Milwaukee™

Nothing but **HEAVY DUTY.**™

2026 ASIA RANGE
PRODUCT CATALOGUE

MILWAUKEE IN ASIA

MILWAUKEE Tool is an industry-leading manufacturer of heavy-duty power tools, accessories and hand tools for professional users worldwide.

Since the company began in 1924, MILWAUKEE Tool has led the industry in both durability and performance. With an unwavering commitment to the trades, MILWAUKEE continues to lead with a focus on providing innovative, trade-specific solutions.

In Asia, we have presence in over 11 regions, with the hub office in Hong Kong and High Performance Center in Thailand.

PRODUCT SECTIONS

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HAND TOOLS	Tape Measures, Levels, Markers, Pliers, Wrenches, Hex Keys, Ratchets & Sockets, Striking & Struck Tools		**PAGE 97~**
PACKOUT™ & STORAGE	Rolling Toolbox, Hard Storage, Soft Storage, PACKOUT™ Attachments, Steel Storage		**PAGE 125~**
PERSONAL PROTECTIVE EQUIPMENT	Hard Hats, Safety Glasses, Respirators, Work Gloves		**PAGE 143~**
ACCESSORIES	Drill Bits, Chisels, SAWZALL™ Blades, Circular Saw Blades, Hole Saws		**PAGE 149~**

Milwaukee™

1924

1st Hole-Shooter Designed and Manufactured for Automotive Assembly

1951

World's 1st SAWZALL Reciprocating Saw

1961

SUPER SAWZALL Reciprocating Saw
Low Vibration Design

2010

REDLITHIUM BATTERY Technology

1979

Industry's 1st 1/2" Right-Angle Drill

1977

1st MAGNUM Professional Drill

2008

M12 and M18 Lithium Range of Tools

100 YEARS OF INNOVATION

2012
M18 FUEL
Drilling Range

2015
M18 FUEL
SDS Plus
Hammer

2016
M18 FORGE LOGIC
M12 and M18
High Output
Lighting

2017
M18 9.0Ah
HIGH DEMAND
Battery

2019
M18 HIGH OUTPUT
Battery

2021
MX FUEL
REDLITHIUM
Range of Tools

2024
M18 REDLITHIUM
FORGE 8.0Ah Battery

2024
100 Years
of Innovation

Milwaukee™

REDLITHIUM™ 2.0 Ah/2.5 Ah/3.0 Ah/4.0 Ah/5.0 Ah/6.0 Ah/8.0 Ah/12.0 Ah

CORDLESS INNOVATION

M12 MX FUEL M18

www.milwaukeetool.asia

REDLITHIUM™ FORGE™

***MOST** POWER | **FASTEST** CHARGING | **LONGEST** LIFE*

***NEW ERA** OF PERFORMANCE*

*On M18 & MX Fuel Systems

MX FUEL™

EQUIPMENT REDEFINED
TRADE FOCUSED
SYSTEM WIDE

M12 FUEL™

M18 FUEL™

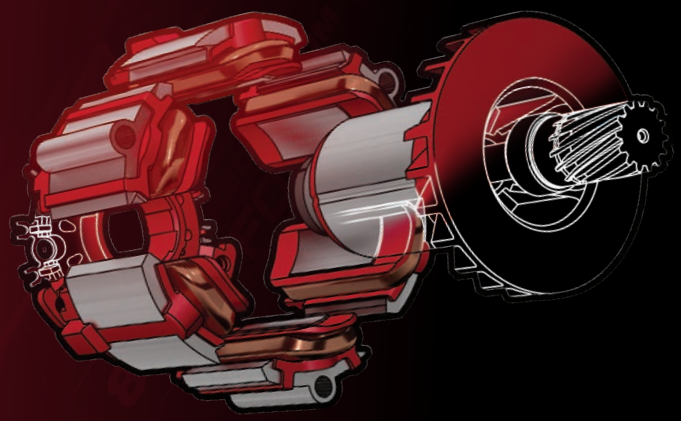
DRIVEN TO OUTPERFORM.™

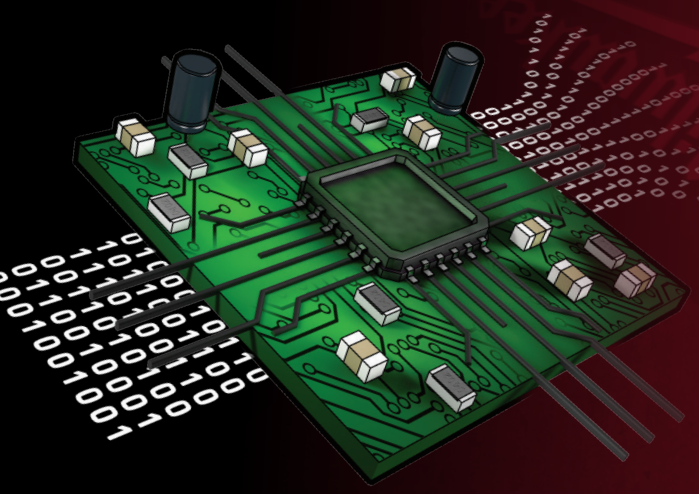
PERFORMANCE DRIVEN
TRADE FOCUSED
SYSTEM WIDE

M12™ M18™ FUEL™

1 MORE SPEED, TORQUE AND DURABILITY

POWERSTATE™ brushless motors are designed and built by us, exclusively for our tools. Ideal for professional tradesmen because they deliver more application speed, torque and durability in a smaller size. Additionally, POWERSTATE™ brushless motors reduce noise and cool more rapidly to deliver years of maintenance free performance.





2 POWER MEETS CONTROL

Combining advanced hardware and software, REDLINK™ Intelligence enables advanced communication between your batteries and tools, allowing for unmatched levels of performance, protection, and productivity.

3 LAST LONGER, THINK FASTER AND WORK HARDER

REDLITHIUM™ batteries last longer, think faster, and work harder than all other professional LITHIUM-ION batteries. Built to withstand the harshest environments, REDLITHIUM™ batteries deliver more work over the course of your day and over the life of the battery.

BATTERIES, CHARGERS, PORTABLE POWER

M18™

NEW

REDLITHIUM™ FORGE™

MOST POWER
FASTEST CHARGING
LONGEST LIFE
VS REDLITHIUM HIGH OUTPUT

REDLITHIUM™ HIGH OUTPUT™

MORE POWER
VS REDLITHIUM

REDLITHIUM™

FITS M18™ TOOLS

M18 REDLITHIUM™ FORGE™

M18 REDLITHIUM™ FORGE™ 12.0Ah BATTERY

REDLINK™ INTELLIGENCE
Provides optimum performance and prevents overheating

IMPROVED THERMAL MANAGEMENT
Runs 35% cooler than High Output™ 12.0 in high demanding applications

BATTERY FUEL GAUGE
Displays remaining battery life with readability in direct sunlight

COOL-CYCLE™ CAPABLE
High-speed cooling feature works with COOL-CYCLE™ capable charger

RUBBER OVERMOLD
Protects pack for longest life

SIZE/WEIGHT
- Length: 147.3mm
- Height: 104.1mm
- Width: 86.4mm
- Weight: 1.5kg

WATER PROTECTION BARRIER
Patented ingress coating routes water away from electronics and out of battery

RESISTANT HOUSING
Protection against common oils, greases and solvents

MOST POWER

- ✓ RUNS 35% COOLER THAN HIGH OUTPUT™ 12.0

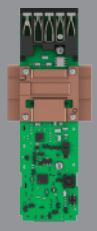
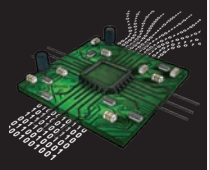
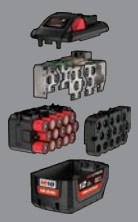
FASTEST CHARGING

W/ M18™ DUAL BAY SUPER CHARGER

- ✓ 35 MIN FOR M18 FB12, 25% FASTER CHARGING THAN M18 HB12
- ✓ HIGH SPEED COOL-CYCLE™ CHARGING FOR M18 FB8 AND M18 FB12

LONGEST LIFE

- ✓ ADVANCED THERMAL MANAGEMENT
- ✓ RESISTANT TO OILS, GREASES & SOLVENTS
- ✓ LONGER CYCLE LIFE

	REDLITHIUM™	HD HIGH OUTPUT REDLITHIUM™ BATTERY TECHNOLOGY	NEW REDLITHIUM FORGE™ MOST POWER FASTEST CHARGING LONGEST LIFE
CELL TECHNOLOGY	⊕ High Power Cell ⊕ Fade Free Performance ⊕ Lasts in Extreme Environments 	**In Addition** ⊕ New Larger Cell ⊕ Higher Power Density ⊕ Runs Cooler ⊕ Lower Electrical Resistance 	**In Addition** ⊕ M18™ FORGE™ utilizes Tabless cell technology for maximum power output and best energy flow ⊕ PWR Level 4 and 5 on the M18™ power scale ⊕ New Larger Cell
REDLINK™ ELECTRONICS	⊕ Individual Cell Monitoring ⊕ Digital Overload Protection ⊕ System Performance Optimisation 	**In Addition** ⊕ New High Power Processor ⊕ Higher Current Handling ⊕ Maintains Existing M18™ System Compatibility 	**In Addition** ⊕ REDLINK PLUS Intelligence: Provides Optimized Performance and Overload Protection ⊕ Total System Communication Between Tool, Battery & Charger ⊕ Fully Compatible with the M18™ System 
CONSTRUCTION	⊕ Best-in-Class Pack Construction ⊕ Long-Lasting Reliability ⊕ Proven Durability on the Jobsite	**In Addition** ⊕ New Ground Up Construction ⊕ Improved Current Flow ⊕ Lower Temperature Rise	**In Addition** ⊕ Rubber Overmold for Pack Protection, Protect Pack for Longest Life ⊕ Best protection from jobsite, Weather, and enviromental conditions ⊕ Increased protection against exposure to common oils, greases, and solvents
BENEFITS	⊕ More Power* ⊕ Longer Battery Life* ⊕ More Run-Time* *vs. standard lithium-ion technologies 	**WORKS HARDER, LAST LONGER, THINK FASTER** ⊕ Up to 50% More Power ⊕ Runs up to 50% Cooler ⊕ Up to 33% More Run-time ** vs. Standard REDLITHIUM™ batteries in high current draw applications 12.0Ah vs 9.0Ah *** 12.0 Ah vs. 9.0Ah 	**MOST POWER, FASTEST CHARGING, LONGEST LIFE** ⊕ M18™ FORGE™ is the most powerful range of batteries in the M18 REDLITHIUM line-up ⊕ 50% More Power vs M18™ High Output ⊕ M18™ FORGE™ benefits from Cool-Cycle Capable with Cool-Cycle Capable chargers ⊕ M18 FORGE™ batteries have extreme weather performance, providing continuous power output from -20°C to 60°C.
APPLICATION	**All Professional Trade Applications**	**High Demand Applications Requiring High Output Current**	**Most Power-Demanding Applications**
BATTERY RANGE			

MX FUEL

BATTERIES

MX FUEL FORGE™ 12.0AH BATTERY
MXF HD812

REDLITHIUM FORGE™

- Up to 2x more runtime vs MXF XC406
- COOL-CYCLE™ capable
- Longest life vs. REDLITHIUM™

Capacity	12.0Ah
Battery Type	Lithium-ion
Length (mm)	274
Width (mm)	180
Height (mm)	117
Weight (kg)	6.0

MX FUEL FORGE™ 8.0AH BATTERY
MXF XC608

REDLITHIUM FORGE™

- Up to 33% more runtime vs MXF XC406, lighter weight
- COOL CYCLE capable
- Longest life vs. REDLITHIUM™

Capacity	8.0Ah
Battery Type	Lithium-ion
Length (mm)	274
Width (mm)	180
Height (mm)	96
Weight (kg)	4.4

MX FUEL REDLITHIUM™ 6.0AH BATTERY
MXF XC406

- Light, Compact Size
- Charge in 45 Min
- MX FUEL Compatibility

Capacity	6.0 Ah
Battery Type	Lithium-Ion
Length (mm)	269
Width (mm)	183
Height (mm)	107
Weight (kg)	4.8

MX FUEL REDLITHIUM™ 3.0AH BATTERY
MXF CP203

- Light, Compact Size
- Charge in 45 min
- MX FUEL Compatibility

Capacity	3.0 Ah
Battery Type	Lithium-Ion
Length (mm)	262
Width (mm)	102
Height (mm)	107
Weight (kg)	2.7

CHARGERS & PORTABLE POWER

MX FUEL SUPER CHARGER
MXF SC

- Up to 2x faster charging
- COOL-CYCLE™ capable
- Compatible with all MX FUEL™ batteries

Charge Time (min):	
CP203 Battery	45
XC406 Battery	45
XC608 Battery	45
HD812 Battery	65
Cool Cycle Capable	Yes
Weight (kg)	9.0

MX FUEL FAST CHARGER
MXF FC

- Fast, compact charging
- COOL-CYCLE™ capable
- MX FUEL™ system compatibility

Charge Time (min):	
CP203 Battery	45
XC406 Battery	50
XC608 Battery	65
HD812 Battery	100
Cool Cycle Capable	Yes
Weight (kg)	2.3

MX FUEL CHARGER
MXF C

- Charge MXF XC406 in 90 mins
- Integrated carry handle
- Compatible with all MX FUEL™ batteries

Charge Time (min):	
CP203 Battery	45
XC406 Battery	90
XC608 Battery	110
HD812 Battery	160
Cool Cycle Capable	No
Weight (kg)	2.7

MX FUEL PORTABLE BATTERY EXTENSION
MXF PBE

NEW

- Lighter tool weight, less fatigue
- Maintains peak performance
- Fits all MX FUEL™ batteries

Height (mm)	425
Width (mm)	265
Length (mm)	205
Weight (kg)	5.5

MX FUEL 3600W/1800W PORTABLE POWER SUPPLY
MXF PS

- Power more on demand
- Portable power anywhere
- More efficient power

Starting Wattage (W)	3600
Running Wattage (W)	1800
Number of Outlets	2
Weight w/ 2 XC406 Battery Packs (kg)	28.2
Integrated Charger	Yes

M18

BATTERIES

M18 REDLITHIUM™ FORGE™ 12.0AH BATTERY
M18 FB12

REDLITHIUM FORGE™

- 50% more power vs HIGH OUTPUT™ 12.0
- High-speed cooling 35 min supercharge to 80% w/ M18 DBSC
- Longest life vs. REDLITHIUM™

Voltage	18V
Capacity	12.0Ah
Battery Type	Lithium-Ion
Weight (kg)	1.5

M18 REDLITHIUM™ FORGE™ 8.0AH BATTERY
M18 FB8

REDLITHIUM FORGE™

- HIGH OUTPUT™ 12.0 power smaller size
- High-speed cooling 35 min supercharge to 80% w/ M18 DBSC
- Longest life vs. REDLITHIUM™

Voltage	18V
Capacity	8.0Ah
Battery Type	Lithium-Ion
Weight (kg)	1.1

M18 REDLITHIUM™ HIGH OUTPUT™ 6.0AH BATTERY
M18 HB6

- Provides up to 50% more power vs standard REDLITHIUM™
- Runs up to 50% cooler vs standard REDLITHIUM™
- Longer life vs standard REDLITHIUM™

Voltage	18V
Capacity	6.0Ah
Battery Type	Lithium-Ion
Weight (kg)	1.1

M18 REDLITHIUM™ HIGH OUTPUT™ 3.0AH BATTERY
M18 HB3

- Provides up to 50% more power vs standard REDLITHIUM™
- Runs up to 50% cooler vs standard REDLITHIUM™
- Longer life vs standard REDLITHIUM™

Voltage	18V
Capacity	3.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.6

M18 REDLITHIUM™ 5.0AH BATTERY
M18B5

- Deliver up to 2.5x more runtime vs other lithium-ion
- REDLINK INTELLIGENCE™ for overload protection
- Individual cell monitoring

Voltage	18V
Capacity	5.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.7

M18 REDLITHIUM™ 5.0AH CHEMICAL RESISTANT BATTERY
M18B5-CR

- Resistant housing provide increased protection aginst oil, grease, solvents
- REDLINK INTELLIGENCE™ for overload protection

Voltage	18V
Capacity	5.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.7

M18 REDLITHIUM™ 4.0AH BATTERY
M18B4

- Up to 2x more runtime vs M18B2
- REDLINK INTELLIGENCE™ for overload protection
- Individual cell monitoring

Voltage	18V
Capacity	4.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.7

M18 REDLITHIUM™ 2.0AH BATTERY
M18B2

- Light, compact size
- REDLINK INTELLIGENCE™ for overload protection
- Individual cell monitoring

Voltage	18V
Capacity	2.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.4

CHARGERS

M12 M18
MAGNETIC CHARGER
M12-18MC

NEW

- Maximizes storage space
- Illuminates stored supplies with flood light
- Faster M12™, M18™ & device charging

System	M12 / M18
USB Port	(2) USB-C 15W
LED Light Rotation (°)	270
Max Output (Amp)	6
Charge Time (min)	
M12 HB2.5	43
M12 HB5	82
M18 B5	60
M18 FB6	62
M18 FB8	83
M18 FB12	122
Weight (kg)	3.4

M18
DUAL BAY SUPER CHARGER
M18 DBSC

- 15 min charge to 80% on M18 FB6
- Adaptive charge distribution
- COOL-CYCLE™ capable

System	M18
Charge Time (min)	
M18 B2	27
M18 B4	48
M18 B5	59
M18 HB3	35
M18 HB6	60
M18 FB6	25
M18 FB8	45
M18 FB12	45
Weight (kg)	2.5

M18
6-BAY PACKOUT FAST CHARGER
M18 PC6

- Rapid charge 2 batteries simultaneously
- Fully compatible with PACKOUT™ modular storage system
- Easier transport and storage

System	M18
Charge Time (min)	
M18 B2	26
M18 B4	47
M18 B5	59
M18 HB3	35
M18 FB6	62
M18 FB8	84
M18 FB12	123
Weight (kg)	4.1

M18
DUAL BAY FAST CHARGER
M18 DFC

- 2 Pack simultaneous charging
- Optimized jobsite utility
- Compatible with all M18 batteries

System	M18
Charge Time (min)	
M18 B2	26
M18 B4	47
M18 B5	59
M18 HB3	35
M18 FB6	61
M18 FB8	83
M18 FB12	122
Weight (kg)	1.8

M12 M18
RAPID CHARGE STATION
M12-18C3

- 6 Battery charge station
- Charge 3 batteries simultaneously
- Up to 40% faster than standard charger

System	M12 / 18
Charge Time (min)	
M18 B2	26
M18 B5	59
M18 HB3	35
M18 FB8	87
M18 FB12	130
Weight (kg)	3.8

M12 M18
RAPID CHARGER
M12-18FC

- Charge up to 40% faster than standard charger
- Rapid charge rate
- M12 & M18 compatibility

System	M12 / M18
Charge Time (min)	
M18 B2	26
M18 B5	59
M18 HB3	35
M18 FB6	62
M18 FB8	83
M18 FB12	130
Weight (kg)	0.7

M12 M18
CHARGER
M12-18C

- Standard charge rate
- M12 & M18 compatibility
- Sequential charging first in, first to charge

System	M12 / M18
Charge Time (min)	
M18 B2	40
M18 B5	100
M18 HB3	65
M18 FB6	115
M18 FB8	167
M18 FB12	250
Weight (kg)	0.7

M12 M18
VEHICLE CHARGER
M12-18AC

- Recharge on-the-go
- M12 & M18 compatibility
- Sequential charging first in, first to charge

System	M12 / M18
Charging Time (min)	
M12 B3	90
M12 B6	165
M18 B2	70
M18 B5	140
M18 FB6	136
Weight (kg)	0.7

M18
TOP-OFF MINI USB-C CHARGER
M18 TC

NEW

- Most compact M18™ charger
- Simultaneous M18™ battery & device charging
- M18™ compatibility

System	M18
Peak Watts (W)	115
USB-C Ports	2
USB-C Input / Output	5/9/12/15 V DC, 3 A 20 V DC, 5 A
Charging Time (min)	
M18B2	42
M18B5	105
M18 FB12	230
Weight (kg)	0.19

M12

BATTERIES

M12
HIGH OUTPUT™ 5.0AH BATTERY
M12 HB5

- 25% More power
- Runs 25% cooler
- 25% More runtime

Voltage	12V
Capacity	5.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.4

M12
HIGH OUTPUT™ 2.5AH BATTERY
M12 HB2.5

- Extended power, compact size
- 25% More power
- Runs 25% cooler

Voltage	12V
Capacity	2.5Ah
Battery Type	Lithium-Ion
Weight (kg)	0.2

M12
6.0AH BATTERY
M12B6

- 2x more runtime vs M12B3
- REDLINK Intelligence
- Compatible with all M12 tools

Voltage	12V
Capacity	5.0Ah
Battery Type	Lithium-Ion
Weight (kg)	0.7

M12
4.0AH BATTERY
M12B4

- 2X more runtime vs M12B2
- Individual cell monitoring ensures optimal charge and discharge for maximum life
- Compatible with all M12 Tools

Voltage	12V
Capacity	4.0 Ah
Battery Type	Lithium-Ion
Weight (kg)	0.4

M12
3.0AH BATTERY
M12B3

- Compact, lightweight
- REDLINK Intelligence
- Compatible with all M12 Tools

Voltage	12V
Capacity	3.0 Ah
Battery Type	Lithium-Ion
Weight (kg)	0.2

M12
2.0AH BATTERY
M12B2

- Compact, lightweight
- REDLINK Intelligence
- Compatible with all M12 Tools

Voltage	12V
Capacity	2.0 Ah
Battery Type	Lithium-Ion
Weight (kg)	0.2

CHARGERS

M12
CHARGER
C12C

- Compatible with M12 batteries
- Standard charge rate
- Battery / charger communication for battery protection

System	M12
Charging Time	
M12 B2	40
M12 B3	100
M12 B4	65
M12 B6	167
Weight (kg)	0.5

M12
TRAVEL CHARGER
M12 TC

- Compatible with M12 heated gear
- On / Off button to start or stop charging to devices
- Bidirectional USB-C port

System	M12
Charging Time	
M12 B2	174
M12 B4	347
M12 B6	525
Weight (kg)	0.2

SUPER, RAPID & STANDARD CHARGING SOLUTIONS

CHARGE **FASTER** with SUPERCHARGER

REDLITHIUM FORGE

M18 FB12

CHARGE TIME TO 100%

	SUPER	RAPID				STANDARD			
	M18 Dual Bay Super Charger	M12 and M18 Rapid Charger	M18 Dual Bay Fast Charger	M18 6-Bay PACKOUT Fast Charger	M12 and M18 Rapid Charge Station	M12 and M18 Charger	M12 and M18 Vehicle Charger	M12 Charger	M12 Travel Charger
FEATURES	M18 DBSC	M12-18FC	M18 DFC	M18PC6	M12-18C3	M12-18C	M12-18AC	C12C	M12 TC
M18 Ports	2	1	2	6	3	1	1	X	X
M12 Ports	X	1	X	X	3	1	1	1	1
USB Ports	X	X	X	1	X	X	X	X	1
Charge Type	Simultaneous	Sequential	Simultaneous	2 Packs Simultaneous	3 Packs Simultaneous	Sequential	Sequential	Single	Single
Power Source	AC	AC	AC	AC	AC	AC	DC	AC	AC or USB
Carry Handle	X	X	X	✓	✓	X	X	X	X
Wall Mountable	✓	✓	✓	✓	✓	✓	✓	✓	X

Get up to **6X FASTER** Charging

	M18 FB12	M18 FB8	M18 HB12	M18 HB8	M18 HB6	M18 HB3	M18 B5	M18 B4	M18 B2	M12 HB5	M12 HB2.5	M12 B6	M12 B4	M12 B3	M12 B2
DUAL BAY SUPER CHARGER *M18 DBSC*	45 min	45 min	60 min	45 min	60 min	35 min	59 min	47 min	26 min	N/A	N/A	N/A	N/A	N/A	N/A
RAPID *CHARGER M12-18FC*	130 min	83 min	130 min	83 min	65 min	35 min	59 min	47 min	26 min	75 min	39 min	103 min	60 min	67 min	28 min
STANDARD CHARGER M12-18C	250 min	167 min	250 min	162 min	123 min	65 min	100 min	80 min	40 min	105 min	54 min	134 min	77 min	67 min	43 min

*Estimated charge durations based on testing conducted by Milwaukee tool at room temperature. Actual results may vary.

DRILLING

Percussion Drills, Drill Drivers

M18

DRILL DRIVERS

M18 FUEL PERCUSSION DRILL
M18 FPD3

- More powerful
- More compact
- AUTOSTOP control mode, enhanced safety

Voltage	18V
No Load Speed Gear 1 (rpm)	0-500
No Load Speed Gear 2 (rpm)	0-2100
Chuck Capacity (mm)	13
Max. Drilling Masonry (mm)	16
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	89
Max. Percussion Rate (bpm)	33000
Max. Torque (Nm)	158
Weight w/ 5.0 Ah Battery Pack (kg)	2.5

M18 FUEL DRILL DRIVER
M18 FDD3

- More powerful
- More compact
- AUTOSTOP control mode, enhanced safety

Voltage	18V
No Load Speed Gear 1 (rpm)	0-500
No Load Speed Gear 2 (rpm)	0-2100
Chuck Capacity (mm)	13
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	89
Max. Torque (Nm)	158
Weight w/ 5.0 Ah Battery Pack (kg)	2.5

M18 COMPACT BRUSHLESS PERCUSSION DRILL
M18 BLPDRC

- More compact, shorter length vs M18 FPD3
- Faster drilling
- Professional durability

Voltage	18V
No Load Speed Gear 1 (rpm)	0-550
No Load Speed Gear 2 (rpm)	0-1700
Chuck Capacity (mm)	13
Max. Drilling Masonry (mm)	10
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	52
Max. Percussion Rate (bpm)	25500
Max. Torque (Nm)	60.5
Weight w/ 5.0 Ah Battery Pack (kg)	1.5

M18 BRUSHED PERCUSSION DRILL
M18 BPD

- Safety & end user productivity
- Fully featured design

Voltage	18V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1800
Chuck Capacity (mm)	13
Max. Drilling Masonry (mm)	16
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	38
Max. Percussion Rate (bpm)	28800
Max. Torque (Nm)	60
Weight w/ 4.0Ah Battery Pack (kg)	2.1

M18 BRUSHED DRILL DRIVER
M18 BDD

- Safety & end user productivity
- Fully featured design

Voltage	18V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1800
Chuck Capacity (mm)	13
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	38
Max. Torque (Nm)	60
Weight w/ 4.0Ah Battery Pack (kg)	2.0

M18 COMPACT RIGHT ANGLE DRILL
C18 RAD

- Optimized performance, 1500 rpm at 20nm
- Perfect speed to power ratio for fast application completion
- Compact head designed for tightest work areas

Voltage	18V
No Load Speed (rpm)	0-1500
Chuck Capacity (mm)	10
Max. Drilling Steel (mm)	10
Max. Drilling Wood (mm)	28
Max. Torque (Nm)	20
Weight w/ 4.0Ah Battery Pack (kg)	1.9

M18 FUEL SCREW GUN WITH A COLLATED ATTACHMENT
M18 FSGC / FSG

- Standalone screwdriver or with collated scew gun (CA55)
- Enabled precise driving of screws at top speed
- Quick release 1/4" hex chuck

Voltage	18V
No Load Speed (rpm)	4500
Torque (Nm)	13
Tool Reception	1/4" HEX
Max. Screw size (mm)	6
Weight w/ 2.0Ah Battery Pack (kg)	1.6 (M18 FSG)
Weight w/ 2.0Ah Battery Pack (kg)	2.0 (M18 FSGC)

M12

DRILL DRIVERS

M12 FUEL PERCUSSION DRILL
M12 FPD2

- More powerful compact drill
- More compact
- Faster speed under load

Voltage	12V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1550
Chuck Capacity (mm)	13
Max. Drilling Masonry (mm)	13
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	35
Max. Percussion Rate (bpm)	22500
Max. Torque (Nm)	45
Weight w/ 6.0Ah Battery Pack (kg)	1.4

M12 FUEL DRILL DRIVER
M12 FDD2

- More powerful compact drill
- More compact
- Faster speed under load

Voltage	12V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1550
Chuck Capacity (mm)	13
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	35
Max. Torque (Nm)	45
Weight w/ 6.0Ah Battery Pack (kg)	1.4

M12 FUEL INSTALLATION DRILL DRIVER
M12 FDDXKIT

- 4-In-1 dedicated solutions
- Unrivaled access & control
- Up to 34Nm max torque

Voltage	12V
No Load Speed Gear 1(rpm)	0-400
No Load Speed Gear 2 (rpm)	0-1600
Chuck (mm)	10 (all metal ratcheting chuck)
Magnetic Bit Holder	Yes
Length (mm)	130
Max. Torque (Nm)	34
Weight w/ M12B2 battery (kg)	0.9

M12 SUB COMPACT BRUSHLESS PERCUSSION DRILL
M12 BLPDRC NEW

- Most compact percussion drill
- Lightest tools in class
- Performance for the service trades

Voltage	12V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1550
Chuck Capacity (mm)	10
Max Drilling Wood (mm)	40
Max Drilling Masonry (mm)	10
Max Percussion Rate (bpm)	23,250
Max Torque (Nm)	40
Weight w/ 2.0Ah Battery Pack (kg)	1.0

M12 SUB COMPACT BRUSHLESS DRILL DRIVER
M12 BLDDRC

- Most compact drill driver
- Lightest tools in class
- Performance for the service trades

Voltage	12V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1550
Chuck Capacity (mm)	10
Max Drilling Wood (mm)	51
Max Drilling Steel (mm)	10
Max Torque (Nm)	40
Weight w/ 2.0Ah Battery Pack (kg)	1.2

M12 SUB COMPACT RIGHT ANGLE DRILL
C12 RAD

- Variable speed paddle switch trigger for comfortable work
- Perfect speed to power ratio for fast application completion
- Electronic clutch: delivers up to 12Nm of torque with 11 settings

Voltage	12V
No Load Speed (rpm)	0-800
Chuck Capacity (mm)	10
Max. Drilling Steel (mm)	10
Max Drilling Wood (mm)	25
Max. Torque (Nm)	15
Weight w/ 2.0Ah Battery Pack (kg)	1.1

M4 1/4" HEX SCREWDRIVER
M4 D

- Compact 244mm screwdriver
- Best in class high accuracy electronic clutch
- 2 Speed gearbox for screwdriving and drilling

Voltage	4
No Load Speed Gear 1 (rpm)	0-200
No Load Speed Gear 2 (rpm)	0-600
Max Drilling Steel (mm)	3
Max Drilling Wood (mm)	6
Max. Torque (Nm)	5
Weight w/ 2.0Ah Battery Pack (kg)	0.5

FASTENING

Impact Drivers, Wrenches, Ratchets & Rivet Tools

M18

IMPACT DRIVERS

M18 FUEL 1/4" HEX IMPACT DRIVER
M18 FID3

- Higher power efficiency under load with outstanding torque of 226Nm
- Fastest driving speed vs M18 FID2
- Ultimate trigger control

Voltage	18V
No Load Speed (rpm)	0-1700, 0-3000 0-3900, 0-3300
Impact Rate (ipm)	0-1400, 0-3600 0-4400
Max. Bolt Diameter	M16
Max. Torque (Nm)	226
Tool Reception	1/4" Double End Bit
Weight w/ 5.0Ah Battery Pack (kg)	1.75

M18 FUEL SURGE 1/4" HEX HYDRAULIC DRIVER
M18 FQID2 NEW

- Quietest 18V impact driver
- FLUID-DRIVE Hydraulic Powertrain System
- Up to 3x faster than previous generation

Voltage	18V
No Load Speed (rpm)	0-1200, 0-2100 0-3200
Impact Rate (ipm)	0-2500, 0-4300 0-6300
Max. Bolt Diameter	M16
Max. Torque (Nm)	113
Tool Reception	1/4" Double End Bit
Weight w/ 5.0Ah Battery Pack (kg)	1.78

M18 BRUSHED RIGHT ANGLE IMPACT DRIVER
M18 BRAID

- Compact right angle impact driver measures 307 mm in length

Voltage	18V
No Load Speed Gear 1 (rpm)	0-1500
No Load Speed Gear 2 (rpm)	0-2250
Impact Rate Gear 1 (ipm)	0-2400
Impact Rate Gear 2 (ipm)	0-3400
Max. Bolt Diameter	M18
Max. Torque (Nm)	81
Tool Reception	1/4" Hex
Weight w/ 5.0Ah Battery Pack (kg)	1.8

M18 COMPACT BRUSHLESS 1/4" HEX MULTI-SPEED IMPACT DRIVER
M18 BLIDR

- 112mm in length, ideal for confined spaces
- 3 Mode drive control allows maximum application versatility
- One handed bit insertion with retention lock for easier bit swaps

Voltage	18V
No Load Speed (rpm)	0 - 1250, 0 - 2400, 0 - 3600
Impact Rate (ipm)	0 - 2500, 0 - 4700, 0 - 4900
Max. Bolt Diameter	M16
Max. Torque (Nm)	192
Tool Reception	1/4" Double End Bit
Weight w/ 5.0Ah Battery Pack (kg)	1.5

M18 BRUSHED COMPACT IMPACT DRIVER
M18 BID

- Compact impact driver
- Soft contour grip for prolonged use
- REDLINK™ overload protection

Voltage	18V
No Load Speed Gear 1 (rpm)	0-2000
No Load Speed Gear 2 (rpm)	0-2750
Impact Rate Gear 1 (ipm)	0-2450
Impact Rate Gear 2 (ipm)	0-3450
Max. Bolt Diameter	M14
Max. Torque (Nm)	180
Tool Reception	1/4" Double End Bit
Weight w/ 4.0Ah Battery Pack (kg)	1.7

IMPACT WRENCHES

M18 FUEL 3/8" COMPACT IMPACT WRENCH WITH FRICTION RING
M18 FIW2F38

- Up to 339 Nm nut-busting torque
- More access in tight spaces

Voltage	18V
No Load Speed (rpm)	0-800, 0-1650, 0-2400, 0-1000
Impact Rate (ipm)	0-1000, 0-2400, 0-3500, N/A
Max. Bolt Diameter	M18
Anvil Type (Friction Ring)	3/8" Square
Max. Torque (Nm)	339
Weight w/ 5.0Ah Battery Pack (kg)	1.8

M18 FUEL 1/2" COMPACT IMPACT WRENCH WITH FRICTION RING
M18 FIW2F12

- Up to 339 Nm nut-busting torque
- 1.8 kg w/ 5.0Ah battery

Voltage	18V
No Load Speed (rpm)	0-900, 0-1650, 0-2400
Impact Rate (ipm)	0-1000, 0-2400, 0-3400
Max. Bolt Diameter	M18
Anvil Type (Friction Ring)	1/2" Square
Max. Torque (Nm)	339
Weight w/ 5.0Ah Battery Pack (kg)	1.8

M18 FUEL 1/2" COMPACT IMPACT WRENCH
M18 FIW212

- Up to 339 Nm nut-busting torque
- 1.8 kg w/ 5.0Ah battery

Voltage	18V
No Load Speed (rpm)	0-900, 0-1650, 0-2400, 0-1200
Impact Rate (ipm)	0-1000, 0-2400, 0-3500, N/A
Max. Bolt Diameter	M18
Anvil Type (Friction Ring + Through Hole)	1/2" Square
Max. Torque (Nm)	339
Weight w/ 5.0Ah Battery Pack (kg)	1.8

M18 FUEL 1/2" MID-TORQUE IMPACT WRENCH WITH FRICTION RING
M18 FMTIW2F12

- Up to 881 Nm nut-busting torque
- Speed to remove M22 bolt in 1.8 Seconds

Voltage	18V
No Load Speed (rpm)	0-1250, 0-1950, 0-2575, 0-1325
Impact Rate	0-900, 0-2100, 0-3100, N/A
Max. Bolt Diameter	M22
Anvil Type (Friction Ring)	1/2" Square
Max. Nut Busting Torque (Nm)	881
Weight w/ 5.0Ah Battery Pack (kg)	2.3

M18 FUEL 1/2" HIGH TORQUE IMPACT WRENCH WITH FRICTION RING
M18 FHIW2F12

- Up to 2,169 Nm nut-busting torque
- Patented battery isolation system

Voltage	18V
No Load Speed (rpm)	0-700, 0-1300 0-2000, 0-2000
Impact Rate (ipm)	0-1300, 0-2200 0-2400, N/A
Max. Bolt Diameter	M36
Max. Nut Busting Torque (Nm)	2169
Max. Torque (Nm)	1627
Anvil (Friction Ring)	1/2" Square
Weight w/ 6.0Ah Battery Pack (kg)	3.63

M18 FUEL 3/4" HIGH TORQUE IMPACT WRENCH WITH FRICTION RING
M18 ONEFHIWF34

- Up to 2,032 Nm nut-busting torque
- Friction ring w/ thru hole design

Voltage	18V
No Load Speed (rpm)	0-800, 0-1300 0-1800, 0-1800
Impact Rate (ipm)	0-850, 0-1850 0-2400, N/A
Max. Bolt Diameter	M33
Max. Nut Busting Torque (Nm)	2032
Max. Torque (Nm)	1627
Anvil Type (Friction Ring + Through Hole)	3/4" Square
Weight w/ 5.0Ah Battery Pack (kg)	3.5

M18 FUEL 1" HIGH TORQUE IMPACT WRENCH WITH FRICTION RING
M18 ONEFHIWF1

- Up to 2,440 Nm nut-busting torque
- Lighter weight vs corded

Voltage	18V
No Load Speed (rpm)	0-950, 0-1080, 0-1370, 0-1670
Impact Rate (ipm)	0-1350, 0-1650, 0-2100, 0-2500
Max. Bolt Diameter	M42
Max. Nut Busting Torque (Nm)	2440
Max. Torque (Nm)	2033
Anvil Type (Friction Ring & Through Hole)	1" Square
Weight w/ 8.0Ah Battery Pack (kg)	5.9

M18 FUEL 1" D-HANDLE HIGH TORQUE IMPACT WRENCH WITH FRICTION RING
M18 ONEFHIWF1DS

- Up to 2,711 Nm of nut-busting torque
- Up to 200 bolts per charge

Voltage	18V
No Load Speed (rpm)	0-600, 0-700, 0-900, 0-1200
Impact Rate (ipm)	0-750, 0-930, 0-1200, 0-1440
Max. Bolt Diameter	M48
Max. Nut Busting Torque (Nm)	2711
Max. Torque (Nm)	2576
Anvil Type (Friction Ring + Through Hole)	1" Square
Weight w/ 12.0Ah Battery Pack (kg)	11.34

M18 FUEL 1" D-HANDLE EXT. ANVIL HIGH TORQUE IMPACT WRENCH WITH FRICTION RING
M18 ONEFHIWF1D

- Up to 2,711 Nm nut-busting torque
- Remove & install up to 120 lug nuts

Voltage	18V
No Load Speed (rpm)	0-600, 0-700, 0-900, 0-1200
Impact Rate (ipm)	0-750, 0-930, 0-1200, 0-1440
Max. Bolt Diameter	M48
Max. Nut Busting Torque (Nm)	2711
Max. Torque (Nm)	2576
Anvil Type (Friction Ring + Through Hole)	1" Square
Weight w/ 12.0Ah Battery Pack (kg)	12.34

M18 FUEL 1" RAILWAY IMPACT WRENCH WITH FRICTION RING
M18 FHIWF1R

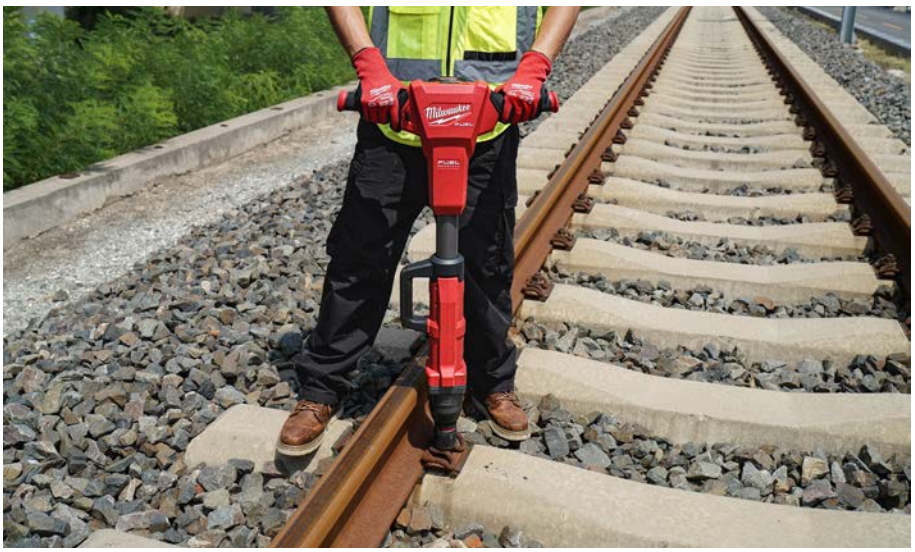
- Up to 2,000 Nm nut-busting torque
- Ergonomic design for track bolts
- 7.8kg with balanced carry handle

Voltage	18V
No Load Speed (rpm)	0-1000, 0-1400 0-1670, 0-1670
Impact Rate (ipm)	0-1750, 0-2150 0-2500, 0-2500
Max. Bolt Diameter	M 30
Max. Nut Busting Torque (Nm)	2000
Max. Torque (Nm)	2000
Anvil Type (Friction Ring + Through Hole)	1" Square
Weight w/ 12.0Ah Battery Pack (kg)	7.8

M18 1/2" BRUSHED COMPACT IMPACT WRENCH
M18 BIW12

- Up to 248 Nm nut-busting torque
- Compact design

Voltage	18V
No Load Speed (rpm)	0-2450
Impact Rate (ipm)	0-3350
Max. Bolt Diameter	M16
Max. Torque (Nm)	240
Anvil Type (Multi-Fit)	1/2" Square
Weight w/ 4.0Ah Battery Pack (kg)	1.9



M18 3/8" COMPACT RIGHT ANGLE IMPACT WRENCH
M18 BRAIW

- Up to 76 Nm of nut-busting torque
- Compact 53 mm head design

Voltage	18V
No Load Speed Gear 1 (rpm)	0-1500
No Load Speed Gear 2 (rpm)	0-2250
Impact Rate Gear 1 (ipm)	0-2400
Impact Rate Gear 2 (ipm)	0-3400
Max. Bolt Diameter	M18
Max. Torque (Nm)	76
Anvil Type (Friction Ring)	3/8" Square
Weight w/ 4.0Ah Battery Pack (kg)	1.9

RIVET TOOLS

M18 FUEL RIVET TOOL
M18 FRT

Voltage	18V
Max. Pulling Force (N)	20000
Rivet Diameter Range (mm)	4.8-7.0
Rivet Diameter (mm)	4.8, 6.0, 6.4, 7.0
Stroke Length (mm)	30
Weight w/ 2.0Ah Battery Pack (kg)	2.5

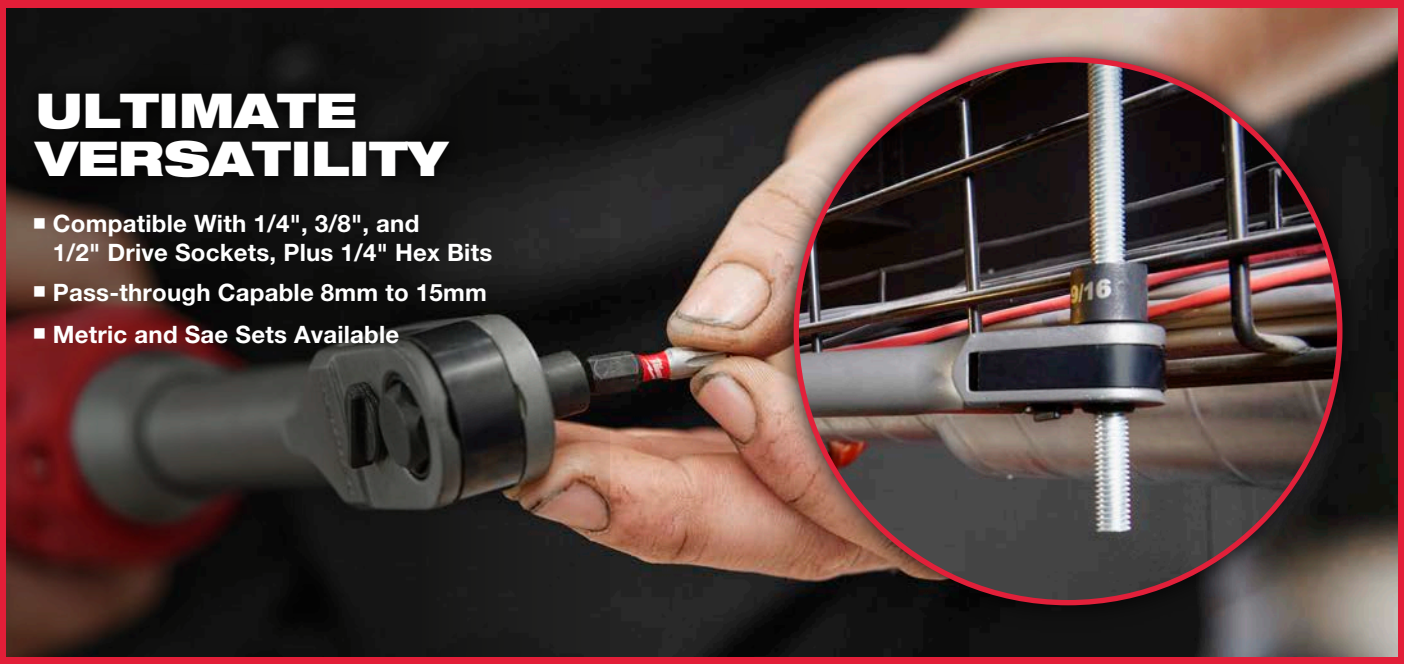
MORE
POWER DENSE
Up to 2,169Nm of Nut-busting Torque & 1,627Nm of Fastening Torque
Best Combination of Power and Size
M18 FUEL
1/2" HIGH TORQUE IMPACT WRENCH

UP TO 51MM SHORTER LENGTH
More Compact. Greater Access in Tight Spaces
193 mm in Overall Length

FASTER REMOVAL SPEED
Maximized Productivity on the Jobsite & in the Shop
Best-in-class Application Speeds
Tackle More Demanding Applications Without Sacrificing Time and Effort

UNRIVALED ACCESS
Lowest Profile With Socket
Easily Accessible F/R Shuttle
Longest Reach In Tight Spaces
M12 FUEL
INSIDER PASS-THROUGH RATCHET

UP TO 81NM MAX TORQUE
Best Combination of Power & Speed
Break Free Stubborn Fasteners
INSIDER


ULTIMATE VERSATILITY
Compatible With 1/4", 3/8", and 1/2" Drive Sockets, Plus 1/4" Hex Bits
Pass-through Capable 8mm to 15mm
Metric and Sae Sets Available

M12

IMPACT DRIVERS

M12 SUB COMPACT BRUSHLESS 1/4" HEX IMPACT DRIVER
M12 BLIDRC

- Extremely compact design
- Fast driving speed with up to 3000 RPM and 4100 IPM
- 1/4" Hex chuck for quick and easy bit change

Voltage	12V
No Load Speed Gear 1 (rpm)	0-3000
Impact Rate (IPM)	0-4100
Max Torque (Nm)	124
Tool Reception	1/4" Double End Bit
Max Bolt Diameter	M14
Weight w/ 2.0Ah Battery Pack (kg)	0.8

M12 1/4" HEX RIGHT ANGLE IMPACT DRIVER
M12 BRAID

- Compact head design with diameter of 35.6 mm
- Multi-handle design for all-day comfort
- 1/4" Hex chuck for quick and easy bit change

Voltage	12V
No Load Speed (rpm)	0-2425
Impact Rate (ipm)	0-3300
Tool Reception	1/4" Hex Single End Bit
Max. Torque (Nm)	68
Weight w/ 4.0Ah Battery Pack (kg)	1.1

M12 FUEL 1/4" HEX IMPACT DRIVER
M12 FID2

- Ideal for working in confined spaces
- Outstanding power to size ratio with 170 Nm of torque
- 1/4" Hex chuck for quick and easy bit change

Voltage	12V
No Load Speed (rpm)	0-1700, 0-2900 0-3600, 0-3600
Impact Rate (ipm)	0-4000
Max. Bolt Diameter	M14
Max. Torque (Nm)	170
Tool Reception	1/4" Double End Bit
Weight w/ 6.0Ah Battery Pack (kg)	1.15

M12 FUEL SURGE 1/4" HEX HYDRAULIC DRIVER
M12 FQID

- Quietest 12V impact driver
- FLUID-DRIVE Hydraulic Powertrain System
- 1/4" Hex chuck for quick and easy bit change

Voltage	12V
No Load Speed (rpm)	0-1100, 0-2200 0-3200, 0-3200
Impact Rate (ipm)	0-950, 0-2200 0-3400, 0-3400
Length (mm)	140
LED Light	Yes
Fuel Gauge	Yes
Max. Torque (Nm)	50
Weight w/ 6.0Ah Battery Pack (kg)	1.3

IMPACT WRENCHES

M12 FUEL 3/8" SUBCOMPACT IMPACT WRENCH
M12 FSCIWF38 NEW

- Best underhood access & lightest weight
- Up to 305 Nm Nut-Busting torque
- Single handed mode changes for increased productivity

Voltage	12V
RPM	0 - 1,150/ 2,400/ 3,400
IPM	0 - 1,000/ 3,400/ 3,600
Max Nut-busting torque (Nm)	305
Torque (Nm)	68/ 203/ 271
Max. bolt diameter (mm)	M16
Anvil (Friction Ring)	3/8"
LED Light	Yes
Weight w/ 5.0Ah Battery Pack (kg)	1.3

M12 FUEL 3/8" STUBBY IMPACT WRENCH WITH FRICTION RING
M12 FIW2F38

- Most powerful stubby, up to 745 Nm Nut-Busting torque
- Less fatigue, greater access
- Single handed mode changes for increased productivity

Voltage	12V
RPM	0 - 930/ 1,300/ 2,100/ 3,000
IPM	1 - 1,500/ 3,000/ 3,300
Nut-busting torque (Nm)	745
Fastening Torque (Nm)	542
Torque (Nm)	217/ 406/ 542/ 20
Max. bolt diameter (mm)	M16
Anvil (Friction Ring)	3/8"
Length (mm)	122
Weight w/ 5.0Ah Battery Pack (kg)	1.3

M12 FUEL 1/2" STUBBY IMPACT WRENCH WITH FRICTION RING
M12 FIW2F12

- Most powerful stubby, up to 745 Nm Nut-Busting torque
- Less fatigue, greater access
- Single handed mode changes for increased productivity

Voltage	12V
RPM	0 - 930/ 1,300/ 2,100/ 3,000
IPM	0 - 1,500/ 3,000/ 3,300
Nut-busting torque (Nm)	745
Fastening Torque (Nm)	542
Torque (Nm)	217/ 406/ 542/ 20
Max. bolt diameter (mm)	M16
Anvil (Friction Ring)	1/2"
Length (mm)	124
Weight w/ 5.0Ah Battery Pack (kg)	1.3

M12 FUEL 3/8" RIGHT ANGLE IMPACT WRENCH WITH FRICTION RING
M12 FRAIWF38

- Up to 300Nm Nut-Busting torque
- Compact anvil profile design for more access
- Extended body allows better reach in confined spaces

Voltage	12V
No Load Speed (rpm)	0-1550, 0-2300, 0-3000
Impact Rate (ipm)	0-1350, 0-2700, 0-3600
Max Bolt Diameter	M16
Anvil Type (Friction Ring)	3/8" Square
Max Torque (Nm)	300
Weight w/ 3.0Ah Battery Pack (kg)	1.5

M12 FUEL 1/2" RIGHT ANGLE IMPACT WRENCH WITH FRICTION RING
M12 FRAIWF12

- Up to 300Nm Nut-Busting Torque
- Compact anvil profile design for more access
- Extended body allows better reach in confined spaces

Voltage	12V
No Load Speed (rpm)	0-1550, 0-2300, 0-3000
Impact Rate (ipm)	0-1350, 0-2700, 0-3600
Max Bolt Diameter	M16
Anvil Type (Friction Ring)	1/2" Square
Max Torque (Nm)	300
Weight w/ 3.0Ah Battery Pack (kg)	1.5

M12 FUEL 3/8" DIGITAL TORQUE WRENCH
M12 ONEFTR38

- Accuracy within ±2% for torque critical fasteners
- 13.6 - 135.6 Nm of torque range
- Four measurement modes (ft-lb, in-lb, Nm, Kg-cm)

Voltage	12V
No Load Speed (rpm)	0-100
Anvil Type	3/8" Square
Accuracy	+/- 2% CW
Calibration	1 Year or 5000 Cycles
Length (mm)	587
Torque Range (Nm)	13.6 - 135.6
Weight w/ 6.0Ah Battery Pack (kg)	2.5

M12 FUEL 1/2" DIGITAL TORQUE WRENCH
M12 ONEFTR12

- Accuracy within ±2% for torque critical fasteners
- 16.9 - 203.4 Nm of torque range
- Four measurement modes (ft-lb, in-lb, Nm, Kg-cm)

Voltage	12V
No Load Speed (rpm)	0-100
Anvil Type	1/2" Square
Accuracy	+/- 2% CW
Calibration	1 Year or 5000 Cycles
Length (mm)	587
Torque Range (Nm)	17-203
Weight w/ 6.0Ah Battery Pack (kg)	2.5

M12 1/2" BRUSHED COMPACT IMPACT WRENCH
M12 BIW12

- Ideal for working in confined spaces
- Superior durability
- Optimized handle for better control and improved grip

Voltage	12V
No Load Speed (rpm)	0-2500
Impact Rate (ipm)	0-3300
Max. Bolt Diameter	M12
Anvil Type (Pin Detent)	1/2" Square
Max. Torque (Nm)	138
Weight w/ 2.0 Ah Battery Pack (kg)	1.1

RATCHETS

M12 FUEL 1/4" EXTENDED REACH HIGH SPEED RATCHET
M12 FHIR14LR

- Up to 47 Nm of max torque
- Delivers up to 450 RPM for best-in-class productivity
- Slim head profile and extended neck

Voltage	12V
No Load Speed (rpm)	0-450
Anvil Type	1/4" Square
Length (mm)	346
Max. Torque (Nm)	47
Weight w/ 2.0 Ah Battery Pack (kg)	1.06

M12 FUEL 1/4" HIGH SPEED RATCHET
M12 FHIR14

- Up to 47 Nm of max torque
- Delivers up to 450 RPM for best-in-class productivity
- 19mm head profile allows better access in tight spaces

Voltage	12V
No Load Speed (rpm)	0-450
Anvil Type	1/4" Square
Length (mm)	272
Max. Torque (Nm)	47
Weight w/ 2.0Ah Battery Pack (kg)	1

M12 FUEL 1/2" COMPACT RATCHET
M12 FIR12

- Up to 81 Nm of max torque
- Variable-speed trigger for greater control
- Low profile head design

Voltage	12V
No Load Speed (rpm)	0-175
Anvil Type	1/2" Square
Length (mm)	318
Max. Torque (Nm)	81
Weight w/ 2.0Ah Battery Pack (kg)	1.54

M12 FUEL INSIDER PASS-THOUGH RATCHET
M12 FPTR

- Low-profile head for superior access in tight spaces
- Up to 81 Nm max torque
- Pass-through sockets up to 15 mm

Voltage	12V
No Load Speed (rpm)	0-350
Tool Reception	1/2", 3/8", 1/4" Square, 1/4" Hex Bits
Length (mm)	404
Max. Torque (Nm)	81
Weight w/ 2.5 Ah Battery Pack (kg)	1.22

M12 FUEL 3/8" EXTENDED REACH HIGH SPEED RATCHET
M12 FHIR38LR

- Up to 47 Nm of max torque
- Delivers up to 450 RPM for best-in-class productivity
- Slim head profile and extended neck

Voltage	12V
No Load Speed (rpm)	0-450
Anvil Type	3/3" Square
Length (mm)	364
Max. Torque (Nm)	47
Weight w/ 2.0 Ah Battery Pack (kg)	1.1

M12 FUEL 3/8" EXTENDED REACH RATCHET
M12 FIR38LR

- Up to 75 Nm of max torque
- Variable-speed trigger for greater control
- Slim head profile and extended neck

Voltage	12V
No Load Speed (rpm)	0-200
Anvil Type	3/8" Square
Length (mm)	384
Max. Torque (Nm)	75
Weight w/ 2.0Ah Battery Pack (kg)	1.4

M12 FUEL 3/8" HIGH SPEED RATCHET
M12 FHIR38

- Up to 47 Nm of max torque
- Delivers up to 450 RPM for best-in-class productivity
- 19mm head profile allows better access in tight spaces

Voltage	12V
No Load Speed (rpm)	0-450
Anvil Type	3/8" Square
Length (mm)	262
Max. Torque (Nm)	47
Weight w/ 2.0Ah Battery Pack (kg)	1

M12 FUEL 3/8" COMPACT RATCHET
M12 FIR38

- Up to 75 Nm of max torque
- Variable-speed trigger for greater control
- Low profile head design

Voltage	12V
No Load Speed (rpm)	0-450
Anvil Type	3/8" Square
Length (mm)	262
Max. Torque (Nm)	47
Weight w/ 2.0Ah Battery Pack (kg)	1

M12 3/8" SUB COMPACT RATCHET
M12 IR

- Ideal for tight spaces and engine bays
- Up to 47 Nm max torque
- Best hand tool replacement

Voltage	12V
No Load Speed (rpm)	0-250
Anvil Type	3/8" Square
Length (mm)	254
Max. Torque (Nm)	47
Weight w/ 2.0Ah Battery Pack (kg)	0.9

SCREW DRIVERS

M12 SUBCOMPACT DRIVER
M12 BD

- Ideal for working in confined spaces
- Optimized handle for better control and improved grip
- 1/4" Hex chuck for quick and easy bit change

Voltage	12V
No Load Speed Gear 1 (rpm)	0-400
No Load Speed Gear 2 (rpm)	0-1500
Tool Reception	1/4" Hex
Max. Drilling Steel (mm)	10
Max. Drilling Wood (mm)	20
Max. Torque (Nm)	38
Weight w/ 2.0Ah Battery Pack (kg)	1.0

M12 SUBCOMPACT DRIVER
M12 CD

- 1/4" Hex chuck for quick and easy bit change
- On board fuel gauge and LED light

Voltage	12V
No Load Speed Gear 1 (rpm)	0-450
No Load Speed Gear 2 (rpm)	0-1700
Max. Drilling Steel (mm)	6.35
Max. Drilling Wood (mm)	25
Max. Torque (Nm)	44
Weight w/ 2.0Ah Battery Pack (kg)	1.2

RIVET TOOLS

M12 RIVET TOOL
M12 BPRT

- Pull up to 4.8mm rivets & 20.32mm stroke length
- Suitable for aluminum, steel, stainless steel, copper
- Retention nose pieces hold rivets in any orientation

Voltage	12V
Max. Pulling Force (N)	9000
Rivet Diameter Range (mm)	2.4-4.8
Rivet Diameter (mm)	2.4, 3.2, 4.0, 4.8
Stroke Length (mm)	20.32
Weight w/ 2.0Ah Battery Pack (kg)	2.1

TRANSPORTATION

Jump Starter, Polishers, Heat Guns, Grease Guns, Inflators, Caulk Guns, Sanders and Die Grinders

M18

POLISHERS

M18 FUEL 15MM RANDOM ORBITAL POLISHER
M18 FROP15

- Power to correct heavy defects
- Eliminates cords
- 125mm pad capacity

Voltage	18V
No Load Speed (rpm)	2650-5100
Backing Pad Diameter (mm)	125
Orbit (mm)	15
Dimensions (mm) (L x W x H)	420 x 117 x 132
Variable Speed	Yes
Weight w/ 8.0Ah Battery Pack (kg)	3.65

M18 FUEL 21MM RANDOM ORBITAL POLISHER
M18 FROP21

- Power to correct heavy defects
- All-day comfort, more control
- 150mm pad capacity

Voltage	18V
No Load Speed (rpm)	1400-4500
Backing Pad Diameter (mm)	150
Orbit (mm)	21
Dimensions (mm) (L x W x H)	437 x 150 x 138
Variable Speed	Yes
Weight w/ 8.0Ah Battery Pack (kg)	3.77

M18 FUEL 180MM POLISHER
M18 FAP180

- Cordless detailing
- Total control
- Full size car on 1 charge

Voltage	18V
No Load Speed (rpm)	360-2200
Max. Backing Pad Diameter (mm)	125
Max. Polishing Pad Diameter (mm)	180
Spindle Size	M14
Variable Speed	Yes
Weight w/ 5.0Ah Battery Pack (kg)	3.1

INFLATOR

M18 INFLATOR
M18 BI

- Top off 33" light truck tires in under 1 minute
- Duty Cycle: 33% @ 80 PSI
- Top off up to 30 tires on an M18 5.0 battery

Voltage	18V
No Load Air Delivery (L/min)	40
Max. Pressure (bar/ PSI)	10.3 / 150
Hose Length (cm)	92
Gauge Accuracy	+ / -1 PSI
Duty Cycle	33% @80 PSI (20min On / 40 min Off)
Dimensions (mm) (L x W x H)	350 x 160 x 190
Weight w/ 2.0Ah Battery Pack (Kg)	3.25

APPLICATORS

M18 GREASE GUN
M18 GG

- Industry leading 690 bar max operating pressure
- Industry leading max flow-rate of up to 74g / minute
- New to world precision through pre-set grease counter dial

Voltage	18V
Max. Operating Pressure	690
Length (mm)	406
LED Light	Yes
FUEL Gauge	Yes
Weight w/ 4.0Ah Battery Pack (Kg)	3.3

OTHER TRANSPORTATION SOLUTIONS

M18 JUMP STARTER 2000A
M18 JS2000

NEW

- Always ready to jump
- True all-weather performance
- Longer life

Engine Capacity	<8.1L Gasoline / <3.0L Diesel
Capacitors Lifecycle	500,000 cycles
Max Car Battery Capacity	12
Operating Temperature (°C)	-18 to 50
Peak Amps (A)	2000
LED Light	Yes
USB Charging	Yes
Recharge Time	<70 seconds
Runtime	70 Jumps
Weight w/ 5.0Ah Battery Pack (kg)	3.4

M18 HEAT GUN
M18 BHG

- High performance heat coil reaching 470 °C
- Reaches operational temperature in 7 seconds
- REDLINK overload protection electronics in tool and battery pack deliver best in class system durability

Voltage	18V
Temperature (°C)	470
Air Flow (l/min)	170
Length (mm)	163
Weight w/ 5.0Ah Battery Pack (kg)	1.6

M12

DIE GRINDERS

M12 FUEL STRAIGHT DIE GRINDER
M12 FDGS

- 20% more power than pneumatic
- 3-Mode speed control
- Greater mobility and access

Voltage	12V
No Load Speed (rpm)	0-10,000, 0-15,000 0-21,000
Collet Size (mm)	6.0 / 8.0
Length (mm)	283
Weight w/ 3.0Ah Battery Pack (kg)	0.8

M12 FUEL G2 RIGHT ANGLE DIE GRINDER
M12 FDGA2 NEW

- 50% More power than pneumatic
- Lighter weight, more compact
- Enhanced comfortable grip

Voltage	12V
No Load Speed (rpm)	0-10,000, 0-15,000 0-20,000, 0-24,500
Collet Size(s)	6.0 / 8.0
Length (mm)	119
Weight w/ 3.0Ah Battery Pack (kg)	0.8

ORBITAL SANDERS

M12 FUEL 2.5MM RANDOM ORBITAL SANDER
M12 FROS25

- Confidence to sand clear coat
- Ultimate control
- Up to 5 doors per HB2.5 Pack

Voltage	12V
Sander style	Palm style
Free speed (RPM)	12,000
Length (mm)	210
Height (mm)	115
Orbit diameter (mm)	2.5
Backing plate size (mm)	150
Sprindle size (mm)	5.3 - 7.9
Attachment method	Hook & Loop (Velcro)
Weight w/ 2.0Ah Battery Pack (kg)	1.1

M12 FUEL 5MM RANDOM ORBITAL SANDER
M12 FROS50

- Confident body filler removal
- Ultimate control
- Up to 3 doors per HB2.5 Pack

Voltage	12V
Sander style	Palm style
Free speed (RPM)	12,000
Length (mm)	210
Height (mm)	115
Orbit diameter (mm)	5
Backing plate size (mm)	150
Sprindle size (mm)	5.3 - 7.9
Attatchement method	Hook & Loop (Velcro)
Weight w/ 2.0Ah Battery Pack (kg)	1.1

APPLICATORS

M12 GREASE GUN
M12 GG

- Powerful 12-volt motor, delivering more than 562 bar of max operating pressure
- REDLITHIUM-ION Battery Technology, superior pack construction, electronics and performance
- Best-in-class runtime, dispensing up to 7 cartridges per charge

Voltage	12V
Max. Operating Pressure (Bar/psi)	562 / 8000
Flow System	Plunger Type with Air Bleeder Valve
Loading System	1.Cartridge (400ml) 2.Bulk (473ml) 3.Suction
Hose Type	High Pressure w/ Spring Guard and Grease Coupler
Hose Dimensions (mm)	914 X 14.4 (dia.)
Weight w/ 4.0Ah Battery Pack (kg)	3.2

M12 COMPACT CAULK GUN
M12 PCG

- Constant flow technology - Consistent beads resulting in cleaner, faster installations
- Top speed dial & variable speed trigger - Complete dispensing rate control
- Compact & lightweight

Voltage	12V
Max. Pushing Force (N)	1780
Speed Settings	6
Accessory	310ml Conversion Kit (48-08-0900) 400ml Conversion Kit (PCG12ACCY01) 600ml Conversion Kit (48-08-0905)
Weight w/ 2.0Ah Battery Pack (kg)	1.9

M12 COMPACT CAULK GUN W/ 310ML CARTRIDGE HOLDER
M12 PCG/310C

- Constant flow technology - Consistent beads resulting in cleaner, faster installations
- Top speed dial & variable speed trigger - Complete dispensing rate control
- Compact & lightweight

Voltage	12V
Max. Pushing Force (N)	1780
Speed Settings	6
Standard Equipment (ml)	310
Weight w/ 2.0Ah Battery Pack (kg)	1.9

INFLATOR

M12
COMPACT INFLATOR
M12 BI

- Top-off a car tire in under 1 minute (28 - 35 PSI)
- Inflates car, LT truck, and compact equipment tires
- TrueFill Auto Shut-off with REDLINK Intelligence prevents overfill and overheating

Voltage	12V
No Load Air Delivery (l/min)	24.9
Max. Pressure (Bar/psi)	8.27 / 120
Hose Length (mm)	660
Gauge Accuracy (%)	+ / - 3%
Duty Cycle	50% at 10min On and 10 min Off
Dimensions (mm)	190.5 x 165.1
Weight w/ 2.0Ah Battery Pack (Kg)	1.8

OTHER TRANSPORTATION SOLUTIONS

M12
SUB COMPACT POLISHER
M12 BPS

- 3" Backing pad for most precise detail work
- Variable speed trigger
- 5pc Accessory pack

Voltage	12V
No Load Speed Gear 1 (rpm)	0-2800
No Load Speed Gear 2 (rpm)	0-8300
Disc Diameter (mm)	76
Spindle Size	M9 x 0.75
Weight w/4.0Ah Battery Pack (Kg)	1.2

M12 FUEL
10 X 330MM BANDFILE
M12 FBFL10

- Faster spot weld removal rate
- Forward & reverse
- Variable speed trigger

Voltage	12V
Belt Speed (High) (m/min)	0-1,110
Belt Speed (Low) (m/min)	0-552
Belt Width (mm)	10
Belt Length (mm)	330
Weight w/ 4.0Ah Battery Pack (Kg)	1

CARPENTRY

Nailers, Circular Saws, Jigsaws, Sanders

M18

CIRCULAR SAWS

M18 FUEL 190 MM GUIDERAIL CIRCULAR SAW
M18 FCS66GR3

- Generates 15A corded power
- Faster than 15A corded circ saw

Voltage	18V
No Load Speed (rpm)	0-6000
Blade Diameter (mm)	190
Arbor Size (mm)	25.4/20
Max Cutting Depth 0° (mm)	68
Max Cutting Depth 45° (mm)	53
Max. Bavel Capacity (°)	50
Weight w/ 12.0Ah Battery Pack (kg)	5.08

M18 FUEL 165MM CIRCULAR SAW
M18 FCS552

- Maintain high speed under load
- Ergonomic design
- User-driven design

Voltage	18V
No Load Speed (rpm)	0-6000
Blade Diameter (mm)	165
Arbor Size (mm)	20
Max Cutting Depth 0° (mm)	57
Max Cutting Depth 45° (mm)	44
Max. Bavel Capacity (°)	50
Weight w/ 6.0Ah Battery Pack (kg)	3.9

M18 FUEL 165MM DEEP CUT CIRCULAR SAW
M18 FCSDC165

NEW

- 66mm cutting depth
- Ergonomic design
- User-driven design

Voltage	18V
No Load Speed (rpm)	0-6000
Blade Diameter (mm)	165
Arbor Size (mm)	20
Max. Bevel Capacity (°)	45
Max. Cutting Depth 0° (mm)	66
Max. Cutting Depth 45° (mm)	46
Weight w/ 8.0Ah Battery Pack (kg)	3.6

TRACK SAWS

M18 FUEL 165MM TRACK SAW
M18 FPS55

- Power to rip solid hard wood
- Portable precision, finish quality cuts
- 90% Dust collection efficiency

Voltage	18V
No Load Speed (rpm)	2,500 - 5,600
Blade Diameter (mm)	165
Bore Size (mm)	20
Max Cutting Depth w/ Guiderail (0° / 45°) (mm)	54 / 44
Max. Cutting Depth (mm) w/o Guiderail (0° / 45°)	59 / 44
Weight w/ 8.0Ah Battery Pack (kg)	5.2

ACCESSORIES

MODEL #	DESCRIPTION	IMAGE
GR800	800mm Guide Rail	
GR1400	1400mm Guide Rail	
GR2700	2700mm Guide Rail	
PSA-1	Rail Clamps	
PSA-2	Guiderail Connector	
PSA-3	Splinter Strip	
PSA-4	Guiderail Bag	
PSA-5	Low Friction Strip	
GA-165	Guide Rail Adapter (Compatible with M18 FCSDC165 only)	

MITRE SAWS

M18 FUEL 190MM MITRE SAW
M18 FMS190

- Generates corded power
- Delivers quick, repeatable and accurate cuts
- Top and side carrying handles for maximum portability

Voltage	18V
No Load Speed (rpm)	0-5000
Blade Diameter (mm)	190
Bore Size (mm)	19
Mitre Capacity Left/Right (°)	48/48
Bevel Capacity Left/Right (°)	48/48
Weight w/ 5.0Ah Battery Pack (kg)	12.7

M18 FUEL 254MM MITRE SAW
M18 FMS254

- Generates corded power
- Delivers quick, repeatable and accurate cuts
- Top and side carrying handles for maximum portability

Voltage	18V
No Load Speed (rpm)	0-4000
Blade Diameter (mm)	254
Bore Size (mm)	25.4
Mitre Capacity Left/Right (°)	50/60
Bevel Capacity Left/Right (°)	48/48
Weight w/ 5.0Ah Battery Pack (kg)	20

M18 FUEL 305MM MITRE SAW
M18 FMS305

- Generates 15a corded power
- Delivers quick, repeatable and accurate cuts
- Top and side carrying handles for maximum portability

Voltage	18V
No Load Speed (rpm)	0-3600
Blade Diameter (mm)	305
Bore Size (mm)	25.4
Mitre Capacity Left/Right (°)	50/60
Bevel Capacity Left/Right (°)	48/48
Weight w/ 12.0Ah Battery Pack (kg)	23.0

TABLE SAWS

M18 FUEL 210MM TABLE SAW
M18 FTS210

- Generates 15A corded power
- Capacity to rip full-sized sheet goods

Voltage	18V
Saw Blade Diameter (mm)	210
Bore Size (mm)	25.4
Max. Cutting Depth (mm) 0°/45°	63.5 / 44
Max. Bevel Angle (°)	47
Distance Between Rip Fence and Saw Blade	
Left (mm) Right (mm)	310 525 / 622
Weight w/ 12.0Ah Battery Pack (kg)	18.9

ACCESSORY FOR M18 FTS210

MODEL #	DESCRIPTION
TSS 1000	Table Saw Stand

NAILERS

M18 FUEL 18GA FINISH NAILER
M18 FN18GS

- Zero ramp-up time
- Consistent, clean, pin nail holes
- Fire 3 nails per second

Voltage	18V
Collation angle (°)	0
Fastener Type	F Type
Fastener Diameter (18Ga)	1.02mm
Fastener Length (mm)	15-54
Magazine Capacity	110 Nails
Mode	Sequential / Bump
Weight w/ 2.0Ah Battery Pack (kg)	2.9

M18 FUEL 16GA STRAIGHT FINISH NAILER
M18 FN16GS

- Zero ramp-up time
- Consistent, clean, pin nail holes
- Fire 3 nails per second

Voltage	18V
Collation angle (°)	0
Fastener Type	F Type
Fastener Diameter (16Ga)	1.6mm
Magazine Capacity	43 Nails
Mode	Sequential / Bump
Weight w/ 2.0Ah Battery Pack (kg)	3.2

M18 FUEL 21 DEGREE FRAMING NAILER
M18 FFN21

- Power to nail engineered lumber
- Fire 3 nails per second
- No gas cartridge

Voltage	18V
Collation angle (°)	21
Fastener type	Full Round Head Nail
Fastener Diameter (mm)	2.9 - 3.8
Fastener Length min/max (mm)	50/90
Magazine Capacity (nails)	43
Mode	Sequential / Bump
LED Light	Yes
Weight w/ 5.0Ah Battery Pack (kg)	5.3

ACCESSORY FOR M18 FFN21

Extended Capacity Magazine
48-08-2744

ROUTERS

M18 FUEL TRIM ROUTER
M18 FTR

- Generates 1.25 Peak HP
- Compact design
- Cuts up to 76m

Voltage	18V
No Load Speed (rpm)	10000-31000
Max. Bit Diameter (mm)	38
Collet Diameter (mm)	6 or 1/4" (6.35)
Bit Brake	Yes
LED	Yes
Dust Shroud	Yes
Weight w/ 5.0Ah Battery Pack (kg)	2.1

ACCESSORY FOR M18 FTR

Compact Router Plunge Base	
48105601	
Compact Router Offset Base	
48105602	

M18 FUEL MID-SIZE ROUTER
M18 FR12

- Generates 2.25 Peak HP
- Cuts up to 70m per charge

Voltage	18V
No Load Speed (RPM)	12000
Max. Bit Diameter (mm)	63
Collet Diameter (mm)	6, 6.35, 8, 12, 12.7
Plunge Capacity (mm)	60
Speed Settings	Yes
Dust Shroud	Yes
Weight without Battery (kg)	2.8

ACCESSORIES FOR M18 FR12

RBA-1 001998885	
RBA-2 001998888	

SANDERS

M18 FUEL 125MM RANDOM ORBIT SANDER
M18 FROS125

- Improved ergonomic & grip design
- Low vibration with levels down to 6.63 ms²
- Up to 95% dust collection

Voltage	18V
No Load Speed (OPM)	6000-12000
Oscillation Diameter (mm)	2.4
Sanding Pad Size (mm)	125
Weight w/ 5.0Ah Battery Pack (kg)	1.45

M18 FUEL 75MM BELT SANDER
M18 FBTS75

- Generates 8A corded power
- Less bog down under load for more aggressive material removal
- Over 80% dust collection

Voltage	18V
No Load Belt Speed (m/min)	210 - 410
Belt Size (mm)	75 x 457
Variable Speed Settings	5
Dust Bag	Yes
Weight w/ 8.0Ah Battery Pack (kg)	3.4

M18 1/4 SHEET SANDER
M18 BQSS

- Low vibration at only 5.23 m/s², enhanced comfort and user control
- Easy sanding paper change
- 95% Dust collection

Voltage	18V
No Load Speed (OPM)	11000 - 13000
Orbit Travel Diameter (mm)	1.6
Grinding Plate Size (mm)	113 x 104
Weight w/ 5.0Ah Battery Pack (kg)	1.8

SAWZALLS

M18 FUEL SAWZALL
M18 FSZ

- Fast cutting for increased productivity
- Longer component life, increased durability
- Adjustable shoe for optimised use of saw blades

Voltage	18V
No Load Stroke Rate (spm)	0-3000
Stroke Length (mm)	32
Adjustable Shoe	Yes
LED Light	Yes
Hang Hook	Yes
Weight w/ 5.0Ah Battery Pack (kg)	3.8

M18 FUEL SUPER SAWZALL
M18 FSX

- Generates 15A corded power
- Fast cutting for increased productivity
- Longer component life, increased durability

Voltage	18V
No Load Stroke Rate (spm)	0-3000
Stroke Length (mm)	32
On/Off Orbital	Yes
5-Speed Dial	Yes
Adjustable Shoe	Yes
Hang Hook	Yes
Weight w/ 12.0Ah Battery Pack (kg)	5.5

HACKZALL

M18 FUEL HACKZALL
M18 FHZ

- FUEL Technology: Delivers faster than corded speed, corded durability, and all day work on one charge
- POWERSTATE Brushless Motor: Provides 2.5J of impact energy, 0-1,400 RPM and 0-4,900 BPM

Voltage	18V
No Load Stroke Rate (spm)	0-3000
Stroke Length (mm)	22
Adjustable Shoe	Yes
LED Light	Yes
Hang Hook	No
Weight w/ 5.0Ah Battery Pack (kg)	2.6

* For available SAWZALL™ blades, kindly refer to page 201

JIGSAWS

M18 FUEL JIGSAW
M18 FJS

- Higher blade speed than corded
- Power to cut hard material

Voltage	18V
No Load Stroke Rate (spm)	0-3500
Stroke Length (mm)	25
Bevel Cut Angle (°)	45
Max. Cutting Depth (mm) Wood Steel	 100 10
Weight w/ 5.0Ah Battery Pack (kg)	2.9

M18 FUEL BODY GRIP JIGSAW
M18 FBJS

- Higher blade speed than corded
- Power to cut hard material

Voltage	18V
No Load Stroke Rate(spm)	800-3500
Stroke Length (mm)	25
Bevel Cut Angle (°)	45
Max. Cutting Depth (mm) Wood Aluminum Steel	 100 19 10
Weight w/ 5.0Ah Battery Pack (kg)	2.8

OTHER CARPENTRY SOLUTIONS

M18 FUEL MULTI-TOOL
M18 FMT

- 10-Setting dial with an auto-load feature
- Tool-free blade change
- Suitable for demanding applications

Voltage	18V
No Load Speed (OPM)	10000-20000
Oscillation Angle Left / Right (°)	2.1 / 2.1
Tool Free Blade Change	Yes
LED Light	Yes
Weight w/ 5.0Ah Battery Pack (kg)	1.9

M18 FUEL AIR COMPRESSOR
M18 FAC

- Quieter than corded
- Easy transport
- Up 1,600 nails per charge

Voltage	18V
Air Tank Capacity (L)	7.6
Max. Air Pressure	9.31 bar / 135 psi
Approx. Cut in Pressure	7.2 bar / 105 psi
Approx. Cut out Pressure	9.3 bar / 135 psi
Free Air Delivery	48 L/mins at 2.8 bar
Quick Connect type	1/4" Nitto
Sound Level (dBA)	68
Pump Type	Oil Free
Regulator	Single Turn
Weight w/ 8.0Ah Battery Pack (kg)	14.7

M18 CUT OUT TOOL
M18 BCT

- Adjustable guard and selectable blade rotatio
- Tool-free depth adjustment

Voltage	18V
No Load Speed (rpm)	0-28000
Spiral Cutting bits	1/8" (3.1 mm) and 1/4" (6.3 mm) shanks
Adjustable Shoe	Yes
LED Light	Yes
Weight w/ 5.0Ah Battery Pack (kg)	1.5

M18 PLANER
M18 BP

- Quick and precise material removal on soft or hard woods
- Depth setting to make precise and accurate cuts

Voltage	18V
No Load Speed (rpm)	0-14000
Planing Width (mm)	82
Adjustable Depth (mm)	0-2
Rabbet Depth (mm)	10.7
Weight w/ 4.0 Battery Pack (kg)	3.5

M12

NAILERS

M12 FUEL 18GA COMPACT NAILER
M12 FCN18GS

- Compact size for increased access tight spaces
- Lightweight and ergonomic to reduce fatigue
- Power to nail hardwoods

Voltage	12V
Collation Angle (°)	0
Fastener Type	F Type
Fastener Diameter (mm)	1.2
Fastener Length (mm)	15-38
Magazine Capacity	110
Weight w/ 2.0Ah Battery Pack (kg)	1.9

M12 FUEL 23GA PIN NAILER
M12 PN23GS

- Full pneumatic replacement
- Consistent, clean, pin nail holes
- Power to nail hardwoods

Voltage	12V
Collation Angle (°)	0
Fastener Type	Headless Pin Nail
Fastener Diameter (mm)	0.58
Fastener Length (mm)	13-35
Magazine Capacity	118-136
Weight without Battery (kg)	1.72

CIRCULAR SAWS

M12 FUEL 140MM CIRCULAR SAW
M12 FCS442

- Power to cut dimensional lumber
- Compact & lightweight design, extremely portable

Voltage	12V
No Load Speed (rpm)	3850
Blade Diamater (mm)	140
Bore Size (mm)	20
Max. Cutting Depth 0° (mm)	46
Max. Cutting Depth 45° (mm)	32
Weight without battery (kg)	2.03

ACCESSORY FOR M12 FCS442

Framing Circular Saw Blade
4932471310A

SANDERS

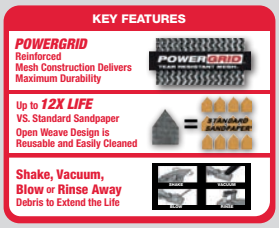
M12 FUEL DELTA SPOT SANDER
M12 FDSS

- Faster than traditional hand sanding solutions
- Stain grade finish
- More access in corners & contours

Voltage	12V
No Load Speed (rpm)	8,000 - 14,000
Sanding Pad Dimensions (mm)	88.8 x 63.5
Variable Speed Settings	4
Orbit Travel Diameter (mm)	1.5
Sandpaper Type	POWERGRID Hook and Loop
Weight w/ 2.0Ah Battery Pack (kg)	0.76

ACCESSORIES FOR M12 FDSS

POWERGRID MESH SANDING ACCESSORIES



Model #	Description
48-80-5080	POWERGRID MESH SANDING SHEET GRIT 80 (12PK + 1Pad Saver)
48-80-5120	POWERGRID MESH SANDING SHEET GRIT 120 (12PK + 1Pad Saver)
48-80-5150	POWERGRID MESH SANDING SHEET GRIT 150 (12PK + 1Pad Saver)
48-80-5180	POWERGRID MESH SANDING SHEET GRIT 180 (12PK + 1Pad Saver)
48-80-5220	POWERGRID MESH SANDING SHEET GRIT 220 (12PK + 1Pad Saver)
48-80-5320	POWERGRID MESH SANDING SHEET GRIT 320 (12PK + 1Pad Saver)
48-80-5400	POWERGRID MESH SANDING SHEET GRIT 400 (12PK + 1Pad Saver)
48-80-5402	SPONGE INTERFACE PAD
48-80-5405	POWERGRID MESH SANDING ASSORTED KIT (GRIT 80 x 4PK, GRIT 120 x 4PK, GRIT 180 x 4PK, 1Pad Saver)

ROTARY TOOLS

M12
BRUSHLESS ROTARY TOOL
M12 BLROT

- Ergonomic grip provides greater comfort and control
- Integrated collet wrench - Faster accessory change

Voltage	12V
Collet Capacity (mm)	0.8, 1.6, 2.4, 3.2
No Load Speed (rpm)	5000-27500
Weight w/ 2.0Ah Battery Pack (kg)	0.56

JIGSAW

M12 FUEL
JIGSAW
M12 FJS

- Ergonomic barrel-grip design
- Orbital action with 5 adjustment levels
- More control in more orientations

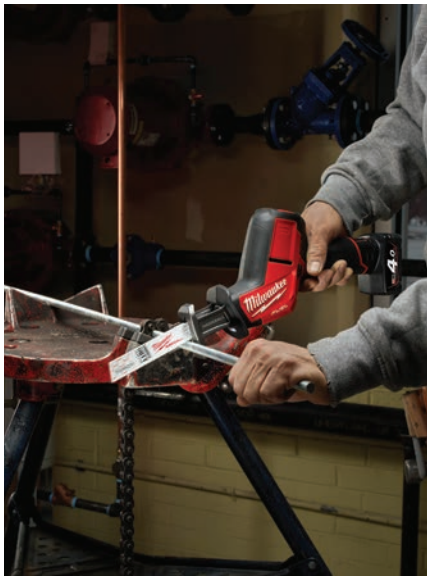
Voltage	12V
No Load Stroke Rate (SPM)	600-3000
Stroke Length (mm)	22
Bevel Capacity Left/Right (°)	45
Max. Cutting Depth Wood (mm)	70
Max. Cutting Depth Aluminium (mm)	15
Weight w/ 2.5Ah Battery Pack (kg)	1.54

HACKZALL

M12 FUEL
COMPACT HACKZALL
M12 CHZ

- Compact design
- Optimized for one-handed use

Voltage	12V
No Load Stroke Rate (SPM)	0-3000
Stroke Length (mm)	15.9
Weight w/ 4.0Ah Battery Pack (kg)	1.6



OTHER CARPENTRY SOLUTIONS

M12 FUEL
MULTI TOOL
M12 FMT

- Compact design
- Too-free blade change
- Provides lowest vibration throughout the tool

Voltage	12V
No Load Stroke Rate (OPM)	10000-20000
Oscillation Angle Left / Right (°)	1.95 / 1.95
Tool Free Blade Change	Yes
LED Light	Yes
Weight w/ 4.0Ah Battery Pack (kg)	1.54

M12 FUEL
CUT OFF TOOL
M12 FCOT

- Fast accurate cutting
- Optimized for one-handed use
- Multi-material cutting capability

Voltage	12V
No Load Speed (rpm)	0-20000
Max. Disc Diameter (mm)	76
Max. Cutting Depth (mm)	16.3
Arbor Size (mm)	10
Weight w/ 6.0Ah Battery Pack (kg)	1.3

M12
BRUSHLESS PLANER
M12 BLP

- Power to plane and scribe in soft and hardwoods
- Compact and light weight, comfortable to use
- Depth setting to make precise and accurate cuts

Voltage	12V
No Load Speed (rpm)	14,500
Blade Width (mm)	56
Planing Depth (mm)	0-2
Weight w/ 4.0Ah Battery Pack (kg)	2.0

ACCESSORY FOR M12 BLP

56mm Planer Blade
48-38-2005

CARPENTRY DUST MANAGEMENT SOLUTION GUIDE

		Dust Canister Included	Dust Bag Included	M18 FBPV2	M12 FVCL	M18 VC-2	M18 FPOVCL	M18 FVC23L	Dust Ext
									DEK26 / 32mm Vacuum Hose
				3.8L 1983 L/min Dry Clean-up Solution	6.1L 1.275L/min Wet/Dry Clean-up Soluition	7.5L 1.275L/min Wet/Dry Clean-up Soluition	6.1L 1.275L/min Wet/Dry Clean-up Soluition	6.1L 1.275L/min Wet/Dry Clean-up Soluition	
Cut Out Tool	M18 BCT								
Recip Saws	M12 CHZ								
	M18 FHZ								
	M18 FSZ								
	M18 FSX								
Multi Tools (Sanding)	M12 FMT (Sanding)								DEK26
	M18 FMT (Sanding)								DEK26
Sanders	M12 FDSS								
	M18 BQSS								DEK26
	M18 FROS125								DEK26
	M18 FBTS75								DEK26
Planers	M12 BLP								
	M18 BP								
Jigsaws	M12 JS								
	M12 FJS								DEK26
	M18 FJS								DEK26
	M18 FBJS								DEK26
Cut Off Tool	M12 FCOT								DEK26
Routers	M18 FTR								DEK26
	M18 FR12								DEK26
Circular Saws	M12 FCS442								DEK26
	M18 FCS552								DEK26
	M18 FCS66GR3								DEK26
	M18 FPS55								DEK26
	M18 FCSDC165								DEK26
Benchtop	M18 FMS190								DEK26
	M18 FMS254								DEK26
	M18 FMS305								DEK26
	M18 FTS210								DEK26

Occassional Use

Optimal Use

DEK26

32mm Vacuum Hose

CONCRETE

Concrete Drills, Plate Compactors, Breakers, Rotary Hammers, Concrete Vibrators, Dust Extraction

MX FUEL

RAMMER

MX FUEL 70KG RAMMER
MXF R70

- Hits harder, travels faster
- No gas headaches, greater control
- 25min, 500 meters per charge

Rated Power Output (kW)	4.0
Number of strokes (min)	680
Max Travel Speed (m/min)	20
Impact Force (kN)	16.9
Oil Volume (L)	0.8
Shoe Jump Height (mm)	122
Weight with MXF 12.0 Battery (kg)	78

CUT-OFF SAW

MX FUEL 350MM CUT-OFF SAW
MXF COS350G2

- 350mm gas performance, no gas headaches
- Push button activation
- Load light indicator

No Load Speed (rpm)	5370
Disc Diameter (mm)	350
Max. Cutting Depth (mm)	124
Arbor Size (mm)	20/25.4/27
Weight w/ XC608 Battery Pack (kg)	13.3

MX FUEL 350MM CUT-OFF SAW CART
MXF COSCG2

- Height-adjustable drive handle
- Tool-free machine and compatible with the M18 Switch Tank
- Full mobility with on-board spare battery storage

Water Tank Capacity (L)	15
Maximum Loading Weight (kg)	85

ACCESSORIES FOR MX FUEL 350MM CUT-OFF SAW

Type	Disc Diameter (mm)	Thickness (mm)	Bore Size (mm)	Part No.	Image
Premium Diamond Blade for Concrete	350	2.7	25.4	4932471985	
Diamond Blade for Concrete	350	3.3	25.4	4932471986	
Diamond Blade for Soft Concrete	350	3.3	25.4	4932471987	
SteelHead	350	3	25.4	4932471988	

CORE DRILLS

MX FUEL 150MM DIAMOND CORE DRILL
MXF DCD150

- AUTO STOP™ & Patented clutch
- Pressure gauge & LED Level
- Onboard water connection

Bit Capacity	152mm / 6"
Spindle Size	1-¼"-7 UNC & ½" G
Speed (rpm) Low High	 800 1600
Adaptor Size (mm)	A-Rod (32.0 mm)
Weight w/ CP203 Battery Pack (kg)	10.3

MX FUEL CORE DRILL STAND
MXF DR255TV

- Faster setup, most versatile coring
- Drill angle indication on base plate, can be variably tilted from 0° to 45°

Length (mm)	467
Width (mm)	276
Height (mm)	892
Weight (kg)	13.2

HEX BREAKER

MX FUEL 28MM HEX BREAKER
MXF DH2528H

- Front handle - for easier transportation
- AC - Equivalent tool life
- Floating body anti-vibration technologies

Chuck Size	28mm HEX
Impact Energy (J)	64
Full Load Hammer Action (bpm)	1300
Vibration (m/s²)	5.17
Weight w/ XC406 Battery Pack (kg)	29.6

MX FUEL BREAKER TROLLEY
MXF DHT

- Lightweight demolition hammer cart with large rubber wheels for easy transport across uneven terrain

Length (mm)	492
Width (mm)	550
Height (mm)	1078
Weight (kg)	15.7

PLATE COMPACTOR

MX FUEL PLATE COMPACTOR
MXF PC50

- No gas headaches, greater control
- Instant power with push button start
- 35 min of runtime, 465m² per charge with MXF HD812

Centrifugal Force (kN)	16
Max Travel Speed (m/min)	26
Gradeability	25°
Plate Dimensions (mm)	574 x 500
Weight w/ HD812 Battery Pack (kg)	79

ACCESSORIES

Model #	Description	Image
49-49-2010	MX FUEL Plate Compactor Water Tank	
49-49-2020	MX FUEL Plate Compactor Wheel Kit	
49-49-2030	MX FUEL Plate Compactor Paver Pad	

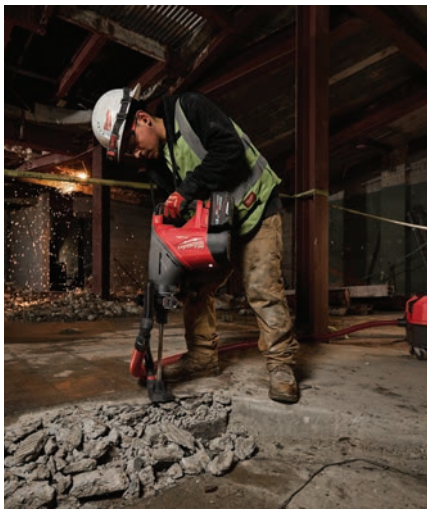
M18

ROTARY HAMMERS

M18 FUEL 7KG 45MM SDS-MAX COMBINATION HAMMER
M18 FHACO745 NEW

- Hardest hitting, fastest drilling
- Designed for maximum control
- Increased productivity, no cords

Voltage	18V
Impact Energy (J)	15.2
Max Hammer Rate (bpm)	0-2625
Max. Drilling Concrete (mm)	45
Vibration Drilling (m/s^2)	10.7m/s^2
Vibration Chiseling (m/s^2)	9.0m/s^2
Weight w/ 12.0 Ah Battery Pack (kg)	9.7



M18 FUEL 32MM SDS-PLUS ROTARY HAMMER
M18 FHP / M18 FHPX

- AUTO STOP™ Kick-Back Control
- POWERSTATE™ Brushless Motor
- REDLINK PLUS™ Intelligence
- Hits harder and increases productivity

Voltage	18V
Impact Energy (J)	5
Max. Hammer Rate (bpm)	0-4600
No Load Speed (rpm)	0-800
Max. Drilling Concrete (mm)	32
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	30
Weight w/ 5.0Ah Battery Pack (kg)	4.7/4.9 (FIXTEC)

M18 FUEL 26MM SDS-PLUS ROTARY HAMMER
M18 FH / M18 FHX

- Drills up to 125 Ø10 x 50mm holes on a M18™ HIGH OUTPUT™ 5.5 Ah battery charge
- 4-Mode Operation: Rotary Hammer, Hammer Only, Rotation Only and Selectable Work position of the chisel (Variolock) for maximum versatility

Voltage	18V
Impact Energy (J)	2.7
Max. Hammer Rate (bpm)	0-4800
No Load Speed (rpm)	0-1330
Max. Drilling Concrete (mm)	26
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	28
Vibration Drilling (m/s^2)	12.87
Vibration Chiseling (m/s^2)	13.41
Weight w/ 5.0Ah Battery pack (kg)	4.1/4.3 (FIXTEC)

M18 FUEL 16MM COMPACT SDS-PLUS ROTARY HAMMER
M18 FHAC16

- 3-Mode operation
- AVS for reduced fatigue & maximized comfort
- AUTO STOP™ Kickback Control

Voltage	18V
Impact Energy (J)	1.7
Rate of Percussion under load (min)	5080
No Load Speed (RPM)	1400
Chuck Neck Diameter (mm)	38
Drilling Capacity - Steel (mm)	13
Max Drilling Concrete (mm)	16
Max Drilling wood (mm)	25
Weight w/ 3.0 Ah Battery Pack (kg)	2.6

M18 FUEL OVERHEAD 16MM SDS-PLUS ROTARY HAMMER AND INTEGRATED DUST EXTRACTOR
M18 FHAFOH16

- AUTO STOP™ Kickback Control
- Balanced center of gravity
- HEPA Filter

Voltage	18V
Impact Energy (J)	2.3
Max. Hammer Rate (bpm)	4740
No Load Speed (rpm)	1310
Max. Drilling Concrete (mm)	16
Max. Drilling Bit Length (mm)	165
Max. Drilling Depth (mm)	100
Weight w/ 3.0Ah Battery Pack (kg)	3.2

M18 FUEL 32MM SDS-PLUS D-HANDLE ROTARY HAMMER
M18 FHACOD32

- 3 Modes Of Operation – Rotary Hammer, Hammer Only And Rotary Only
- AUTO STOP™ Kickback Control
- AVS Anti-Vibration System

Voltage	18V
Impact Energy (J)	4.9
Max. Hammer Rate (bpm)	4600
No Load Speed (rpm)	800
Max. Drilling Concrete (mm)	32
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	30
Vibration Drilling (m/s^2)	10.5
Vibration Chiseling (m/s^2)	9.4
Weight w/ 5.0Ah Battery Pack (kg)	5.3

M18 BRUSHLESS 26MM SDS-PLUS D-HANDLE ROTARY HAMMER
M18 BLHACD26

- D-handle with lightweight and ergonomic design
- 4-Mode operation
- Individual battery cell monitoring

Voltage	18V
Impact Energy (J)	2.6
Max. Hammer Rate (bpm)	4600
No Load Speed (rpm)	1270
Max. Drilling Concrete (mm)	26
Max. Drilling Steel (mm)	13
Max. Drilling Wood (mm)	28
Vibration Drilling (m/s^2)	17.39
Vibration Chiseling (m/s^2)	13.15
Weight w/ 5.0Ah Battery Pack (kg)	3.1

M18 BRUSHLESS 26MM SDS-PLUS ROTARY HAMMER
M18 BLH

- Brushless motor design provides 2.3J impact force
- Exquisite, ergonomic design can increase user comfort
- All-Metal Gearbox - for longer tool life

Voltage	18V
No Load Speed (RPM)	1400
Percussion Rate (min)	4900
Impact Energy (J)	2.3
Max Drilling Concrete (mm)	26
Max Drilling Steel (mm)	13
Max Drilling wood (mm)	28
Weight w/ 5.0 Battery pack (kg)	3.3

DUST EXTRACTORS

M18 FUEL HAMMERVAC™ 32MM DUST EXTRACTOR
M18 FDDEL32

- AUTOPULSE Filter Cleaning Mechanism
- Dust Extractor Capacity: 32mm in diameter, 203mm in depth
- Includes large and small dust nozzles

Voltage	18V
Depth Stop	Yes
Filter Cleaning Mechanism	Yes
LED Light	Yes
Max Stroke Length (mm)	203
Max Drill Bit Capacity (mm)	32
Max Drill Bit Length (mm)	260
Max Drilling Depth (mm)	203
Weight (kg)	1.9

M18 FUEL HAMMERVAC™ 26MM COMPACT DEDICATED DUST EXTRACTOR
M18 FCDDEXL

- Designed to collect dust efficiently
- HEPA Filter collects 99.97% of airborne particles down to 0.3 Microns

Voltage	18V
Max. Drill Bit Diameter (mm)	16 / 26
Max. Drill Bit Length (mm)	160
Max. Drilling Depth (mm)	96
Stroke Length (mm)	96
Weight (kg)	1.3

M18 FUEL HAMMERVAC™ 32MM DEDICATED DUST EXTRACTOR
M18 FPDDEXL

- Engineered to connect directly to and be powered by the M18 FHP & M18 FHPX
- HEPA Filter keeps users below the 25 ug/m^3 action level

Voltage	18V
Max. Drill Bit Diameter (mm)	32
Max. Drill Bit Length (mm)	260
Max. Drilling Depth (mm)	203
Stroke Length (mm)	203
Weight (kg)	2.0

M18 FUEL HAMMERVAC™ 26MM DEDICATED DUST EXTRACTOR
M18 FDDEXL

- HEPA Filter keeps users below the 25 ug/m^3 action level
- AUTOPULSE Filter Cleaning Mechanism

Voltage	18V
Max. Drill Bit Diameter (mm)	26
Max. Drill Bit Length (mm)	210
Max. Drilling Depth (mm)	152
Stroke Length (mm)	152
Weight (kg)	1.9

M18 FUEL COMPACT 16MM DEDICATED DUST EXTRACTOR
M18 FDDEC

- Engineering to connect directly to and be powered by M18 FHAC16
- AUTOPULSE Filter Cleaning Mechanism

Voltage	18V
Max. Drill Bit Diameter (mm)	16
Max. Drill Bit Length (mm)	170
Max. Drilling Depth (mm)	76mm
Stroke Length (mm)	76mm
Weight (kg)	0.9

CONCRETE VIBRATORS

M18 FUEL NEEDLE CONCRETE VIBRATOR 1.2M
M18 FCVN12

- No setup solution
- The POWERSTATE™ Brushless Motor generates 1.8 peak hp and 12,500 cpm for optimal consolidation with a variable speed trigger

Voltage	18V
Vibrations Per Minute (VPM)	0-12500
Vibrator Diameter (mm)	25
Flexible Shaft Length (m)	1.2
Weight w/ 5.0Ah Battery Pack (kg)	4.7

M18 FUEL NEEDLE CONCRETE VIBRATOR 2.4M
M18 FCVN24

- No setup solution
- The POWERSTATE™ Brushless Motor generates 1.8 Peak hp and 12,500 cpm for optimal consolidation with a variable speed trigger

Voltage	18V
Vibrations Per Minute (VPM)	0-12500
Vibrator Diameter (mm)	25
Flexible Shaft Length (m)	2.4
Weight w/ 5.0Ah Battery Pack (kg)	6.2

CUT-OFF SAW

M18 FUEL 230MM CUT OFF SAW
M18 FCOS230

- 3-Mode operation
- AVS for reduced fatigue & maximized comfort
- AUTO STOP™ Kickback Control

Voltage	18V
No Load Speed (rpm)	0-6600
Disc Diameter (mm)	230
Max. Cutting Depth (mm)	85
Arbor Size (mm)	22.2
Weight w/ 12.0Ah Battery Pack (kg)	6.2

M12

ROTARY HAMMERS

M12 FUEL 16MM COMPACT SDS-PLUS ROTARY HAMMER
M12 FHAC16

- 3-Mode operation
- Compact & lightweight design
- AVS for reduced fatigue & maximized comfort

Voltage	12V
No Load Speed (rpm)	1200
Max Hammer Rate (bpm)	4400
Impact Energy (J)	1.15
Max Drilling Concrete (mm)	16
Max Drilling Steel (mm)	10
Max Drilling wood (mm)	13
Weight w/5.0 Battery pack (kg)	2.1

DUST EXTRACTORS

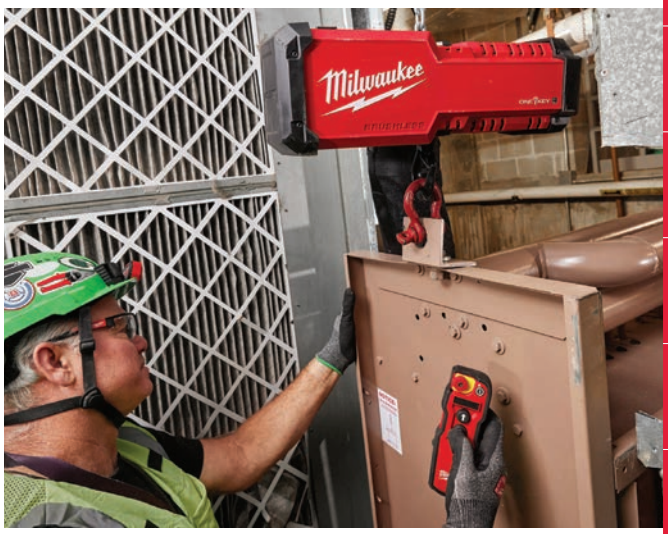
M12 HAMMERVAC UNIVERSAL DUST EXTRACTOR
M12 UDEL

- Auto-on mode allows extractor to turn it on and off
- Universal handle system
- Lightweight, minimizes fatigue

Voltage	18V
Max. Drill Bit Diameter (mm)	30
Max. Drill Bit Length (mm)	210
Max. Drilling Depth (mm)	203
Stroke Length (mm)	203
Weight w/ 2.0Ah Battery Pack (kg)	2.2

METALWORKING

Grinders, Band Saws, Metal Saws, Metal Shears, Nibbler



M18

GRINDERS

M18 FUEL 100MM VARIABLE SPEED BRAKING GRINDER
M18 FSAGV100XB
M18 FSAGV100XPDB

- Delivering corded performance
- 5-step speed dial - Enhanced control
- RAPIDSTOP™ Brake, Enhanced safety

M18 FSAGV100XB

M18 FSAGV100XPDB

Voltage	18V
No Load Speed (rpm)	3,500 -8,500
Disc Diameter (mm)	100
Max. Cutting Depth (mm)	21
Spindle Size	M10
Switch Type M18 FSAGV100XB M18 FSAGV100XPDB	 Slide Paddle
Weight w/ 5.0Ah Battery Pack (kg)	2.6

M18 FUEL 125MM VARIABLE SPEED BRAKING GRINDER
M18 FSAGV125XB
M18 FSAGV125XPDB

- Delivering corded performance
- 5-step speed dial - Enhanced control
- RAPIDSTOP™ Brake, Enhanced safety

M18 FSAGV125XB

M18 FSAGV125XPDB

Voltage	18V
No Load Speed (rpm)	3,500 -8,500
Disc Diameter (mm)	125
Max. Cutting Depth (mm)	33
Spindle Size	M14
Switch Type M18 FSAGV125XB M18 FSAGV125XPDB	 Slide Paddle
Weight w/ 5.0Ah Battery Pack (kg)	2.7

M18 FUEL HIGH PERFORMANCE 150MM BRAKING GRINDER PADDLE SWITCH
M18 FHSAG150XPDB2

- Generates 13A corded power
- RAPIDSTOP™ Brake, Enhanced Saftey
- 150mm keyless cutting guard - faster guard adjustment

Voltage	18V
No Load Speed (rpm)	9000
Disc Diameter (mm)	150
Max. Cutting Depth (mm)	45
Spindle Size	M14
Switch Type	Paddle
Weight w/ 8.0Ah Battery (kg)	3.5

M18 FUEL 100MM BRAKING GRINDER SLIDE SWITCH
M18 FSAG100XB

- Generates 11A corded power
- RAPIDSTOP™ Brake, Enhanced safety

Voltage	18V
No Load Speed (rpm)	8,500
Disc Diameter (mm)	100
Max. Cutting Depth (mm)	21
Spindle Size	M10
Switch Type	Slide
Weight w/ 5.0Ah Battery Pack (kg)	2.6

M18 FUEL 125MM BRAKING GRINDER PADDLE SWITCH
M18 FSAG125XPDB

- Generates 11A corded power
- RAPIDSTOP™ Brake, Enhanced safety

Voltage	18V
No Load Speed (rpm)	8,500
Disc Diameter (mm)	125
Max. Cutting Depth (mm)	33
Spindle Size	M14
Switch Type M18 FSAG125XB M18 FSAG125XPDB	 Slide Paddle
Weight w/ 5.0Ah Battery Pack (kg)	2.7

M18 FUEL 125MM FLATHEAD BRAKING GRINDER
M18 FSAGF125XB
M18 FSAGF125XPDB

M18 FSAGF125XB

- Generates 11A corded power
- Lower profile, more access
- RAPIDSTOP™ Brake, Enhanced safety

M18 FSAGF125XPDB

Voltage	18V
No Load Speed (rpm)	8,500
Disc Diameter (mm)	125
Max. Cutting Depth (mm)	33
Spindle Size	M14
Switch Type M18 FSAGF125XB M18 FSAGF125XPDB	 Slide Paddle
Weight w/ 5.0Ah Battery Pack (kg)	2.6

M18 FUEL 230MM LARGE ANGLE GRINDER
M18 FLAG230XPDB

- Generates 15A corded power
- More material removal in a single pass

Voltage	18V
No Load Speed (rpm)	6,600
Disc Diameter (mm)	180-230
Max. Cutting Depth (mm)	65
Spindle Size	M14
Switch Type	Paddle Switch
Line Lock Out Function	Yes
Weight w/ 12.0Ah Battery Pack (kg)	5.3

M18 BRUSHLESS 100MM ANGLE GRINDER SLIDE SWITCH
M18 BLSAG100X

- Delivering corded performance
- Built in Dust Screen provides protection from dust and metal ingress
- 2-Position Side Handle provides optimal control and versatility

Voltage	18V
No Load Speed (rpm)	11,000
Disc Diameter (mm)	100
Max. Cutting Depth (mm)	21
Spindle Size	M10
Switch Type	Slide
Weight w/ 5.0Ah Battery Pack (kg)	2.3

M18 BRUSHLESS 125MM ANGLE GRINDER SLIDE SWITCH
M18 BLSAG125X

- Delivering corded performance
- Built in Dust Screen provides protection from dust and metal ingress
- 2-Position Side Handle provides optimal control and versatility

Voltage	18V
No Load Speed (rpm)	11,000
Disc Diameter (mm)	125
Max. Cutting Depth (mm)	33
Spindle Size	M10 (KR)
Switch Type	Slide
Weight w/ 5.0Ah Battery Pack (kg)	2.3

M18 FUEL BRAKING DIE GRINDER
M18 FDGRB

- Generates 11A corded power
- RAPIDSTOP™ Brake, Enhanced safety

Voltage	18V
No Load Speed (rpm)	27,000
Collet Diameter (mm)	6/8
Max. Grinding Accessories Dia. (mm)	Sanding Wheel : 55 Cutting Wheel : 55
Spindle Lock	Yes
Switch Type	Slide
Weight w/ 5.0Ah Battery Pack (kg)	2.03

M18 FUEL BRAKING DIE GRINDER W/ VARIABLE SPEED
M18 FDGROVB
M18 FDGROVPDB

M18 FDGROVB

M18 FDGROVPDB

- Generates 11A corded power
- 5 Speeds increased control
- RAPIDSTOP™ Brake, Enhanced safety

Voltage	18V	
No Load Speed (rpm)	9,000 - 20,000	
Collet Diameter (mm)	6/8	
Max. Grinding Accessories Dia. (mm)	Sanding Wheel : 76 Cutting Wheel : 55	
Spindle Lock	Yes	
Switch Type		
M18 FDGROVB	Slide	
M18 FDGROVPDB	Paddle	
LED Light	Yes	
Weight w/ 5.0Ah Battery Pack (kg)	2.13	

BAND SAWS

M18 FUEL 125MM DEEP CUT BANDSAW
M18 FBS125

- Large cutting capacity up to a diameter of 125mm
- 5 Steps variable speed selection

Voltage	18V
No Load Speed (m/min)	0-168
Max. Cutting Capacity (mm)	125 x 125
Blade Length (mm)	1139.8
Weight w/ 5.0Ah Battery Pack (kg)	5.8

M18 FUEL 85MM COMPACT BANDSAW
M18 FBS85

- Cutting capacity up to 85mm diameter
- Variable speed trigger, quick & easy speed adjustments
- Tool-free blade locking mechanism, quick and easy blade changes

Voltage	18V
No Load Speed (m/min)	0-164
Blade Length (mm)	899
Cutting Capacity Rectangular Stock (mm)	85 x 85
Cutting Capacity Pipe (mm)	Ø 85
Weight w/ 2.0Ah Battery Pack (kg)	3.9

ACCESSORY

Compact Bandsaw Blade Cover	
49-90-2829	Designed for M18 FBS85

METAL SAWS

M18 FUEL 203MM METAL CIRCULAR SAW
M18 FMCS

- Compact & light weight design for more comfortable use
- Cold cuts with less sparks than abrasive wheel

Voltage	18V
No Load Speed (rpm)	0-3,900
Blade Diameter (mm)	150
Arbor Size (mm)	20
Max. Cutting Capacity (mm)	
Steel Plate	6.5
Metal Pipe	Ø 57
Weight w/ 5.0Ah Battery Pack (kg)	4.1

M18 FUEL 203MM METAL CIRCULAR SAW
M18 FMCS66

- Generates 15A corded power
- Tool-free removable chip collector
- Overload indicator light for optimal cutting speed

Voltage	18V
No Load Speed (rpm)	0-4,000
Blade Diameter (mm)	203
Arbor Size (mm)	15.9
Max. Cutting Depth (mm)	66
Max. Cutting Capacity (mm)	
Steel Plate	25
Angle Iron	63.5 X 63.5 X 6.35
Metal Pipe	Ø 50
Sections	66
Weight w/ 5.0Ah Battery Pack (kg)	5.4

M18 FUEL 355MM ABRASIVE CHOP SAW
M18 CHS355

- Generates 15A corded power
- RAPIDSTOP™ brake, enhanced safety
- Overload indicator light for optimal cutting speed

Voltage	18V
No Load Speed (rpm)	0-4,000
Blade Diameter (mm)	355
Arbor Size (mm)	25.4
Max. Cutting Capacity (mm)	
Round Material (O.D)	127
Square Material (O.D)	118
Weight w/ 5.0Ah Battery Pack (kg)	20.8

METAL SHEARS

M18
METAL SHEAR
M18 BMS20

- 360° Tool-free rotating head
- Ergonomic body design, maximize control during use
- Optimized for making straight cuts

Voltage	18V
No Load Speed (rpm)	0-2,500
Max. Cutting Capacity (mm) Steel Plate Aluminium	 2.0 3.2
Min. Cutting Radius (mm)	180
Weight w/ 4.0Ah Battery Pack (kg)	2.9

M18
METAL SHEAR
M18 BMS

- 360° Tool-free rotating head
- Ergonomic body design, maximize control during use
- Optimized for making straight cuts

Voltage	18V
No Load Speed (rpm)	0-2,500
Max. Cutting Capacity (mm) Steel Plate Aluminium	 1.2 2.0
Min. Cutting Radius (mm)	76
Weight w/ 4.0Ah Battery Pack (kg)	2.6

METAL CUTTING

M18 FUEL
REBAR CUTTER
M18 FRBC032

- 2 Second cut in 16mm rebar
- Cold cuts with less sparks than abrasive wheel
- Cut-brake: Automatic blade brake to reduce the risk of damage to sensitive materials near the cut

Voltage	18V
No Load Speed (rpm)	2,000
Arbor Size (mm)	28
Blade Diameter (mm)	137
Max. Cutting Capacity (mm)	32
LED Light	Yes
Weight w/ 6.0Ah Battery Pack (kg)	4.3

M18 FUEL
10GA NIBBLER
M18 FNB35

- Fast, clean cuts in 3.5mm mild steel
- Tight turns, enhanced control
- Tool-free 360 degree die holder rotation

Voltage	18V
No Load Speed (spm)	0-1,200
Cutting Width (mm)	6.35
Smallest curve radius (mm)	64
Starting hole diameter (mm)	35
Weight w/ 6.0Ahn Battery Pack (kg)	4.2

CHAIN HOIST

M18 COMPACT 1-TON
CHAIN HOIST
M18 BLCHTO

- Effortless installs
- Less downtime
- Improved mobility

Voltage	18V
Max Load (kg)	1,000
Chain Length (m)	6
Max Lifting Speed (m/min)	2.4
Variable Speed	Yes
Remote Control	Yes
Max Lift (m)	18.3
Chain Grade	Type T
IP Rating	66

M12

METAL CUTTING

M12 FUEL
16GA NIBBLER
M12 FNB16

- Fast, clean cuts in 1.5mm mild steel
- Power to cut 0.7mm spiral duct seams
- Compact light weight design

Voltage	12V
No Load Stroke Rate	1,400 - 2,200
Cutting Width (mm)	5
Smallest Curve Radius (mm)	40.7
Starting Hole Diameter (mm)	21
Max. Cutting Steel < 400 N/mm2 (mm)	1.6
Max. Cutting Steel < 600 N/mm2 (mm)	1.2
Max. Cutting Steel < 800 N/mm2 (mm)	0.7
Max. Cutting Aluminum <250 N/mm2 (mm)	2.1
Max. Cutting Stainless Steel <600 N/mm2 (mm)	1.2

METAL SAW

M12 FUEL
64MM COMPACT BANDSAW
M12 FBS64

- Compact light weight design, suitable for one-hand use
- Variable speed trigger, quick & easy speed adjustments
- Tool-free blade locking mechanism, quick and easy blade changes

Voltage	12V
No Load Speed (m/min)	0 - 174
Max. Cutting Depth (mm)	64x64
Blade Length (mm)	776.3
LED Light	Yes
Weight w/ 6.0Ah Battery Pack (kg)	3.2

OUTDOOR POWER EQUIPMENT

Power Head & Attachments, Blowers, Chainsaws, Grass & Hedge Trimmers

QUIK-LOK™
ATTACHMENT SYSTEM

Multiple Attachments Powered By a Single Power Head

AVAILABLE ATTACHMENTS

Designed to meet the needs of landscape maintenance professionals, the QUIK-LOK™ Attachment System is a versatile outdoor power equipment system featuring multiple attachments powered by a single M18 FUEL™ Power Head. With the QUIK-LOK™ Attachment System, you have the capability to switch between multiple attachments.

The QUIK-LOK™ Attachment System utilizes the most advanced cordless technology to deliver best-in-class power and run-time for landscaping and trade professionals, achieving instantaneous throttle response and outperforming higher voltage platforms.

M18

TRIMMERS

M18 FUEL 610MM (24") HEDGE TRIMMER
M18 FHET60G2

- Power to cut 32mm branches
- Faster cutting
- More control, clean cuts

Voltage	18V
Stroke Per Minute (spm)	0-3200
Cutting Length (mm)	630
Cutting Capacity (mm)	32
Sharpening Angle to Horizontal (°)	<45°±2°
Blade Tip Guard	Yes
Weight w/ M18 FB8 Battery (kg)	5.35

M18 FUEL 610MM (24") HEDGE TRIMMER
M18 FHET60

- Faster cutting
- Power to cut thick branches
- Runtime up to 2 hours

Voltage	18V
Stroke Per Minute (spm)	0-3200
Cutting Length (mm)	630
Cutting Capacity (mm)	32
Sharpening Angle to Horizontal (°)	<45°±2°
Blade Tip Guard	Yes
Weight w/ M18 FB8 Battery (kg)	5.35

M18 FUEL 457MM (18") HEDGE TRIMMER
M18 FHET45

- Faster cutting
- Power to cut thick branches
- Runtime up to 2 hours

Voltage	18V
No-Load Stroke Rate (spm)	0-3400
Cutting Length (mm)	457
Tooth Spacing (mm)	19
Cut Capacity (mm)	20
Dual-Sharpen Blade	Yes
Blade Tip Guard	Yes
Weight w/ M18 HB8 Battery (kg)	5.4

M18 FUEL 406MM (16") GRASS TRIMMER
M18 FGTR40

- More power than 31cc gas
- More balanced,lighter weight
- Full throttle under 1 second

Voltage	18V
No-Load Speed Low	0-4600
No-Load Speed High	0-6200
Trigger	Variable Speed
Max. Cutting Line ø (mm)	2 / 2.4 / 2.7
Max. Cutting Capacity (mm)	356-406
Feed System	Bump Feed
Weight w/ M18 FB12 Battery (kg)	6.0

M18 FUEL 432MM (17") DUAL BATTERY GRASS TRIMMER
M18 F2GTR

- More powerful
- Faster clearing
- Full throttle under 1 second

Voltage	18V
No-Load Speed Low	0-4900
No-Load Speed High	0-6200
Trigger	Variable Speed
Max. Cutting Line ø (mm)	2 / 2.4 / 2.7
Max. Cutting Capacity (mm)	381-432
Feed System	Bump Feed
Weight w/ 2 x M18 HB8 Battery (kg)	7.5

M18 FUEL BRUSH CUTTER & GRASS TRIMMER
M18 FBCU

- Power to clear thick brush
- Full throttle under 1 second
- Less fatigue in extended cutting

Voltage	18V
No-Load Speed Low	0-4900
No-Load Speed High	0-6200
Max. Cutting Line ø (mm)	2.4
Max. Cutting Capacity (mm)	400
Blade Diameter (mm)	230
Interchangable of Blade and Line Trimmer	Yes
Weight w/ 8.0Ah Battery Pack (kg)	6.3

M18 BRUSHLESS LINE TRIMMER
M18 BLLT

- More power
- Larger cut capacity
- Up to 4600rpm in first mode and 6200rpm in second mode

Voltage	18V
Max RPM	6200
No Load Speed-Low (rpm)	4600
No Load Speed-High (rpm)	6200
Cutting Line Max. Diameter (mm)	2.4
Cutting Swath Diameter (mm)	350-400
Cutting Capacity Max	400 mm
Length (mm)	1800
Weight w/ M18 HB8 Battery (kg)	5.4

CHAINSAWS

M18 FUEL 508MM (20") DUAL BATTERY CHAINSAW
M18 F2CHS50

- Generates 70cc gas power
- Reduced stalls faster cutting
- Balanced design, more control

Voltage	18V
No Load Chain Speed (m/s)	14.3
Max. Bar Length (mm)	508
Usable Cutting Length (mm)	482
Chain Oil Tank Capacity (mL)	169
Bar Groove Width (Gauge)	1.3
Chain Pitch (Low Profile)	8.3
Variable Speed Trigger	Yes
Weight w/ (2) 8.0Ah Battery Pack (kg)	9

M18 FUEL 406MM (16") CHAINSAW
M18 FCHS

- Power to cut hardwoods
- Faster than gas
- Up to 150 cuts

Voltage	18V
No Load Chain Speed (m/s)	12.4
Max Bar Length (mm)	406.4
Usable Cutting Length (mm)	380
Chain Oil Tank Capacity (mL)	200
Bar Groove Width (Gauge)	1.1
Chain Pitch (Low Profile)	9.5
Variable Speed Trigger	Yes
Weight w/ 12.0Ah Battery Pack (kg)	6.4

M18 FUEL 305MM (12") CHAINSAW
M18 FCHSC

- Cut to 150pcs
- Shorter bar of 30cm allows users to work in confined areas
- Outperform up to 40cc

Voltage	18V
No Load Chain Speed (m/s)	12.4
Max. Bar Length (mm)	304.8
Usable Cutting Length (mm)	280
Chain Oil Tank Capacity (mL)	200
Bar Groove Width (Gauge)	1.1
Chain Pitch (Low Profile)	9.5
Variable Speed Trigger	Yes
Weight w/ 12.0Ah Battery Pack (kg)	6.3

M18 FUEL 356MM (14") TOP HANDLE CHAINSAW
M18 FTHCHS35

- Power to cut hardwoods
- Faster than 35cc gas
- No gas headaches

Voltage	18V
No Load Chain Speed (m/s)	15
Max. Bar Length (mm)	356
Usable Cutting Length (mm)	343
Chain Oil Tank Capacity (mL)	150
Bar Groove Width (Gauge)	1.1
Chain Pitch (Low Profile)	8.3
Variable Speed Trigger	Yes
Weight w/ 8.0Ah Battery Pack (kg)	4.9

M18 FUEL HATCHET 200MM (8") PRUNING SAW
M18 FHS20

- Increase access & control
- Power to cut hardwoods
- Faster cutting pruning saw

Voltage	18V
No Load Chain Speed (m/s)	5
Max. Bar Length (mm)	200
Usable Cutting Length (mm)	190
Chain Oil Tank Capacity (mL)	77
Bar Groove Width (Gauge)	1.1
Chain Pitch (Low Profile)	9.5
Variable Speed Trigger	Yes
Weight w/ 2.0Ah Battery Pack (kg)	2.74

BLOWERS

M18 FUEL BLOWER
M18 FBLG3

- High constant power
- Full throttle under 1 second
- Lower noise level

Voltage	18V
Max. Air Volume (m³/min)	14.2
Max. Air Flow Speed (km/h)	193
Blowing Force (N)	12.2
Noise rating (dB)	92.6
Lock On Button	Yes
Weight w/ 12.0Ah Battery Pack (kg)	4.3

M18 FUEL DUAL BATTERY BLOWER
M18 F2BL

- Higher constant power
- Full throttle under 1 second
- Better clearing control

Voltage	18V x 2
Max. Air Volume (m³/min)	17
Max. Air Flow Speed (km/h)	233
Blowing Force (N)	17.7N
Noise rating (dB)	83
Lock On Button	Yes
Weight w/ (2) 8.0Ah Battery (kg)	4.8

M18 FUEL DUAL BATTERY BACKPACK BLOWER
M18 F2BPB

- Higher blowing force than up to 60cc gas
- Full throttle under 1 second
- More adaptive design & comfort

Voltage	18V x 2
Max. Air Volume (m³/min)	18.5
Max. Air Flow Speed (km/h)	250
Blowing Force (N)	20.5
Noise rating (dB)	With tapered nozzle 98.8 dB With flat nozzle 97.6 dB
Lock On Button	Yes
Weight w/ 4 x 8.0Ah Battery Pack (kg)	12.9

M18
BRUSHLESS BLOWER
M18 BLBO

NEW

- Constant 12.7m³/min & 193km/h clearing power
- Light weight minimize fatigue during use
- Full throttle in under one second

Voltage	18V
Max Air Flow (m³/min)	12.7
Max Velocity (kmh)	193
Blowing Force (N)	11
Noise rating (dB)	98.2
Lock On Button	Yes
Weight w/ 6.0Ah Battery Pack (kg)	2.7

OTHER OUTDOOR POWER EQUIPMENT SOLUTIONS

M18 FUEL
305MM (12") TELESCOPIC POLE SAW
M18 FTPS30

- More powerful
- Faster cutting speed
- No gas headaches

Voltage	18V
No Load Speed - Low (rpm)	0-13500
No-load chain speed (m/s)	25.4
Bar length (mm)	305
Usable cutting length (mm)	287
Chain oil tank capacity (ml)	130
Fully collasped length (mm)	2720
Fully extended tool length (mm)	3980
Variable speed trigger	Yes
Weight w/ 12.0Ah Battery Pack (kg)	8.4

M18 FUEL
533MM (21") DUAL BATTERY SELF-PROPELLED LAWN MOWER
M18 F2LM53

- Superior cut quality: mulch, bag, side discharge
- More max torque than 200cc gas
- Full throttle under 1 second

Voltage	18V x 2
No Load Speed (rpm)	0-3300
Cutting Area per Charge (m²)	2023
Cutting Capacity (mm)	533
Cutting Height (mm)	25-100
Propelled Speed (km/h)	0.6-5.0
3-in-1 Grass Management	Yes
LED Light	Yes
Grass Bag Capacity (L)	70
Runtime in Application (min)	60

M18
BRUSHLESS TELESCOPING POLE PRUNING SHEARS
M18 BLTS

- Increased productivity
- No manual pulling
- Power to cut 44.5mm

Voltage	18V
Max. Cutting Capacity (mm)	44.5
Length Extended (m)	3
Length Collapsed (m)	2.1
Blade Material	DC53 Steel
Weight w/ 6.0Ah Battery Pack (kg)	6.4

POWER HEAD & ATTACHMENTS

M18 FUEL
OUTDOOR POWER HEAD - QUIK-LOK LINE TRIMMER KIT
M18 FOPHLTKIT2

- More power than 31cc gas
- Most capable attachment system
- Full throttle under 1 second

Voltage	18V
No Load Speed - Low (rpm)	0-4600
No Load Speed - Medium (rpm)	0-5400
No Load Speed - High (rpm)	0-6200
Max. Cutting Capacity (mm)	400
Cutting Line Max. Diameter (mm)	2.4
Length (mm)	1829
Weight w/ 8.0Ah Battery Pack (kg)	5.8

M18 FUEL
QUIK-LOK™ CHAIN SAW ATTACHMENT
M18 FOPH-CSA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Perfect for cutting down overhead limbs or branches
- 254mm bar with automatic chain oiling

Voltage	18V
No Load Speed - Low (rpm)	0-3330
No Load Speed - Medium (rpm)	0-3920
No Load Speed - High (rpm)	0-4500
No Load Chain Speed (m/s)	8.6
Bar Length (mm)	254
Usable Cutting Length (mm)	230
Chain Pitch(Low Profile)	9.5
Chain Oil Tank Capacity (ml)	140
Length (mm)	1245
Weight (kg)	1.9

M18 FUEL QUIK-LOK™ BRUSHED CUTTER ATTACHMENT
M18 FOPH-BCA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Blade Guard: Optimized design for best material containment
- Brush Cutter Blade: 4-Tooth Blade Design

Voltage	18V
No Load Speed - Low (rpm)	0-4600
No Load Speed - Medium (rpm)	0-5400
No Load Speed - High (rpm)	0-6200
Blade Size (mm)	230
Max Cutting Capacity (mm)	32
Weight (kg)	1.6

M18 FUEL QUIK-LOK™ EDGER ATTACHMENT
M18 FOPH-EA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Designed to meet landscape maintenance professional needs
- Get the perfect edges, creating a sharp and manicured look

Voltage	18V
No Load Speed - Low (rpm)	0-2862
No Load Speed - Medium (rpm)	0-3360
No Load Speed - High (rpm)	0-3858
Blade Diameter (mm)	203
Max. Cutting Capacity (mm)	50
Length (mm)	965
Weight (kg)	2.4

M18 FUEL QUIK-LOK™ RUBBER BROOM ATTACHMENT
M18 FOPH-RBA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Blade Guard: Optimized design for best material containment
- 584 mm (23") clearing width

Voltage	18V
No Load Speed - Low (rpm)	0-150
No Load Speed - Medium (rpm)	0-177
No Load Speed - High (rpm)	0-205
Cleaning Capacity (mm)	584
Weight (kg)	7.3

M18 FUEL QUIK-LOK™ BRISTLE BROOM ATTACHMENT
M18 FOPH-BBA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Blade Guard: Optimized design for best material containment
- 584 mm (23") clearing width

Voltage	18V
No Load Speed - Low (rpm)	0-150
No Load Speed - Medium (rpm)	0-177
No Load Speed - High (rpm)	0-205
Cleaning Capacity (mm)	584
Weight (kg)	6.5

M18 FUEL QUIK-LOK™ SHORT HEDGE TRIMMER ATTACHMENT
M18 FOPH-SHTA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Capability to clear more branches up 19 mm (3/4") in a single pass
- Featuring a tip guard to prevent damage to blades and the surrounding work area

Voltage	18V
No Load Speed - Low (rpm)	0-2620
No Load Speed - Medium (rpm)	0-3080
No Load Speed - High (rpm)	0-3500
Blade Lenght (mm)	508
Tooth Spacing (mm)	25
Cutting Spacing (mm)	19
Weight (kg)	2

M18 FUEL QUIK-LOK™ HEDGE TRIMMER ATTACHMENT
M18 FOPH-HTA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Adjustment handle and sliding adjustment collar allow for 270° blade set rotation, delivering 13 operating positions and 1 storage position

Voltage	18V
No Load Speed - Low (rpm)	0-2620
No Load Speed - Medium (rpm)	0-3080
No Load Speed - High (rpm)	0-3500
Blade Length (mm)	508
Max. Cutting Capacity (mm)	25
Tooth Spacing (mm)	25
Length (mm)	1524
Weight (kg)	2.6

M18 FUEL QUIK-LOK™ CULTIVATOR ATTACHMENT
M18 FOPH-CA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Breaks up hard ground during bed creation and maintenance
- Utilizes 230mm (9") Steel Tines optimized for longer life and a protective shaft

Voltage	18V
No Load Speed SPM - High	0-2480
No Load Speed CPM - High	0-4960
Cutting Blade Diameter (mm)	230
Weight (kg)	2.5

M18 FUEL QUIK-LOK™ RECIPROCATOR ATTACHMENT
M18 FOPH-RA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Allowing operators to cut with precision and accuracy
- Minimizes thrown debris and prevents marring during close proximity cutting

Voltage	18V
No Load Speed SPM - High	0-2480
No Load Speed CPM - High	0-4960
Cutting Blade Diameter (mm)	230
Weight kg)	2.5

M18 FUEL QUIK-LOK™ BLOWER ATTACHMENT
M18 FOPH-BA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Offering up to 14.2 m³/min and 193 km/h in application
- Providing operators with added accessibility for extended reach clearing

Voltage	18V
Air speed (km/h)	193
Air flow rate (m³/min)	14.2
Weight (kg)	2

M18 FUEL QUIK-LOK™ EXTENSION ATTACHMENT
M18 FOPH-EXA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Easily adds an additional 940mm reach to M18 FUEL Outdoor Power Head
- Making the tool much safer to use without the need for a ladder

Voltage	18V
Length (mm)	1029
Weight (kg)	0.9

M18 FUEL QUIK-LOK™ LINE TRIMMER ATTACHMENT
M18 FOPH-LTA

- Compatible with M18 FUEL Outdoor Power Head with QUIK-LOK™
- Has the capability to clear thick brush
- 400mm cutting path width

Voltage	18V
Max. Cutting Capacity (mm)	400
Cutting Line Max. Diameter (mm)	2.4
Length (mm)	1020
Weight (kg)	1.7

M12

OUTDOOR POWER EQUIPMENT SOLUTIONS

M12 FUEL HATCHET 152MM (6") PRUNING SAW
M12 FHS

- Unmatched control & access
- Power to cut 76mm hardwoods
- Up to 150 cuts per charge

Voltage	12V
No Load Chain Speed (m/s)	5
Max Bar Length (mm)	152
Usable Cutting Length (mm)	140
Chain Oil Tank Capacity (mL)	50
Weight w/ 6.0Ah Battery Pack (kg)	2.3

M12 FUEL 203MM (8") HEDGE TRIMMER
M12 FHT20

- Compact design increased control & access
- Power to cut 12.5mm(1/2) branches
- Faster cutting increased user productivity

Voltage	12V
Stroke Per Minute (spm)	2700
Blade Length (mm)	203
Cutting Capacity (mm)	12.5
Sharpening Angle to Horizontal (°)	<30
Blade Gap (mm)	8
Weight w/ 4.0Ah Battery Pack (kg)	1.67

M12 BRUSHLESS PRUNING SHEARS
M12 BLPRS

- Faster pruning
- More control
- Reduced fatigue

Voltage	12V
Max Cutting Capacity - Full Cut Mode (mm)	32
Max Cutting Capacity - Half Cut Mode (mm)	16
Overall Length (mm)	370
Weight w/ 2.0Ah Battery Pack (kg)	1.5

M12 HANDHELD SPRAYER 7L
M12 BHCS7L

- Better pressure control
- Increased performance
- Up to 5.52 Bar and 5.2 meters vertical spray

Voltage	12V
Tank Capacity (Litres)	7.6
Flow Rate (Litres/min)	0.4 - 1.2
Spray Distance (m)	5.2
Max Working Pressure (kPA)	551
Weight w/ 2.0Ah Battery Pack (kg)	3.5

M18 FUEL™
DRIVEN TO OUTPERFORM.™

533MM (21") MOWER
SELF-PROPELLED DUAL-BATTERY

GREAT CUT
QUALITY: MULCH, BAG, SIDE DISCHARGE

MORE MAX TORQUE THAN 200cc GAS

FULL THROTTLE UNDER **1 SECOND**

VARIABLE SPEED SELF-PROPELLED
Active Speed Management for More Control During Use

SINGLE POINT HEIGHT ADJUST
Easier Changes Between Cutting Heights

2 BATTERIES REQUIRED & INCLUDED

M18 REDLITHIUM HIGH OUTPUT HD12.0Ah BATTERY PACKS
Two Batteries Required for Operation

HIGH LIFT MODE
Increases Blade Speed for Superior Air Flow and Better Lift

BATTERY FUEL GAUGE
Operator Facing to See Charge Level During Use

3-IN-1 GRASS MANAGEMENT
Mulch, Bag, Rear Side Discharge

FRONT LED LIGHTS
180° Visibility in Low Light Situations

OPTIMIZED STEEL DECK
Enhances Air Flow for Better Lift

NO GAS HEADACHES

NO PULL START | NO ENGINE MAINTENANCE | LOW NOISE | NO EMISSIONS | NO MIXING GAS AND OIL

RECOMMENDED ACCESSORIES

Replacement Blade	High Performance Blade	Mower Cover
21" Mower Blade 49-16-2734	21" High Lift Mower Blade 49-16-2735	21" Mower Cover 49-16-2736

Voltage	18V x 2
Cutting Area per Charge	Up to 2023m^2
No Load Speed (rpm)	2800
Max Load Speed (rpm)	3300
Cutting Capacity (mm)	533mm (21")
Cutting Height (mm)	25-100, 7 positions
Speed	0-6.5km/h (0 - 4MPH)
3-in-1 Grass Management	Bag, Mulch, Side Discharge
LEDs Light	Yes
Grass Bag Capacity	70 L
Protection Class	IPX4
Deck Material	Steel
Handle Height Positions	3
Runtime in Application	60min*

*on (2) HB12.0 Batteries / Removing 2.54cm of Grass @ 3 MPH

ACCESSORIES

Double Shoulder Harness for Brush Cutter
49392492849
Designed for
M18 FBCU

Blower Tapered and Flat Nozzle Attachment Kit
49-16-2797
Designed for
M18 F2BPB
M18 F2BL
M18 FBLG3
M18 FOPH-BA

Blower Gutter Attachment
4932498512
Designed for
M18 F2BL
M18 FBLG3

Angled Flare Attachment
4932498513
Designed for
M18 F2BPB
M18 F2BL
M18 FBLG3

M18 Telescoping Pole Pruning Shears Replacement Blade Kit
4932493557
Designed for
M18 BLTS

M12 Sprayer 7 Litres Tank APJ version
49-16-2762 APJ

M12 Sprayer Shoulder Strap
49-16-2764

Designed for
M12 BHCS7L

M12 Pruning Shears Holster
49-17-2765

M12 Pruning Shears Replacement Blade Kit
48-44-2769

M12 Pruning Shears Replacement Blade Kit
48-44-2769 APJ

Designed for
M12 BLPRS

6" Saw Chain

49-16-2732	Designed for M12 FHS

6" Guide Bar

49-16-2732 ASIA	Designed for M12 FHS

8" Pruning Saw Chain

4932480176 49-16-2750	Designed for M12 FHS

8" Pruning Saw Guide Bar

4932480169 49-16-2751 APJ	Designed for M12 FHS

12" Chainsaw Chain

4932480177 APJ	Designed for M18 FTHCHS30, M18 FTPS30

12" Chainsaw Guide Bar

4932480171 APJ	Designed for M18 FTHCHS30, M18 FTPS30

12" Chainsaw Chain

FCHSC18ACCY01	Designed for M18 FCHSC

Rear Handle Chainsaw Bag

M18 FCHS-BAG	Designed for M18 FCHS, M18 FCHSC

14" Top Handle Chainsaw Chain

49-16-2744 APJ	Designed for M18 FTHCHS35

14" Top Handle Chainsaw Guide Bar

49-16-2745 APJ	Designed for M18 FTHCHS35

16" Chainsaw Saw Chain

49-16-2715 ASIA	Designed for M18 FCHS

16" Chainsaw Guide Bar

4932480174	Designed for M18 FCHS

QUIK-LOK ATTACHMENT SYSTEM ACCESSORY

9" Reciprocator Blade
49-16-2799

Designed for
M18 FOPH-RA

Trimmer Line 2mm x 45m
49-16-2712

Trimmer Line 2.4mm x 76m
49-16-2713

Gen 2 Easy Loading Head of Line Trimmer
4932480180 APJ

Designed for
M18 FBCU / M18 FOPH-LTA / M18 BLLT

254mm Saw Chain
4932471329
Designed for
M18 FOPH-CSA

Edger Blade
4932471330
Designed for
M18 FOPH-EA

Shoulder Strap
49-16-2722
Designed for
M18 FOPH2

Brush Cutter Attachment Blade
4932481041
Designed for
M18 FBCU / M18 FOPH-BCA

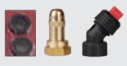
SPRAYER SYSTEM ACCESSORY

Replacement Sprayer Hose, Handle, Wand Assembly

49-16-2727	Designed for M18 BPFP-CST

Replacement Sprayer Nozzles

49-16-2806	Designed for M18 BPFP-CST / M12 BHCS7L



18" Short Sprayer Wand

49-16-2729	Designed for M18 BPFP-CST / M12 BHCS7L

Replacement Water Supply Hose

49-16-2730	Designed for M18 BPFP-WST

M12 M18

RUN TIME DATA

APPLICATION	PRODUCT NAME	BATTERY					
M18		M18 HB3	M18 B4	M18 B5	M18 HB6	M18 HB8	M18 HB12
CHAINSAWS							
LOG CUTTING CUTS IN 10CM PINE	M18 FCHS	38 cuts	40 cuts	50 cuts	75 cuts	100 cuts	150 cuts
	M18 FCHSC	38 cuts	40 cuts	50 cuts	75 cuts	100 cuts	150 cuts
	M18 FCHS35	38 cuts	40 cuts	50 cuts	75 cuts	100 cuts	150 cuts
LOG CUTTING CUTS IN 10CM CEDAR	M18 FHS20	90 cuts	120 cuts	150 cuts	180 cuts	240 cuts	360 cuts
	M18 FTHCHS35	38 cuts	40 cuts	50 cuts	112 cuts	100 cuts	225 cuts
POLE SAWS							
PRUNING CUTS IN 7.5CM OAK	M18 FOPH-CSA	62 cuts	65 cuts	82 cuts	123 cuts	166 cuts	247 cuts
GRASS TRIMMERS							
GRASS CUTTING HIGH MODE	M18 BLLT	13 min	14 min	17 min	26 min	35 min	53 min
	M18 FOPH-LTA	12 min	13 min	16 min	24 min	33 min	49 min
	M18 FGTR40			12 min	15 min	20 min	30 min
GRASS CUTTING LOW MODE *measured under no load speed, simulates light grass trimming application	M18 BLLT	26 min	28 min	35 min	54 min	70 min	105 min
	M18 FOPH-LTA	22 min	23 min	29 min	44 min	58 min	88 min
	M18 FGTR40			25 min	30 min	40 min	60 min
HEDGE TRIMMERS							
LIGHT TRIMMING *measured under no load speed, simulates light grass trimming application	M18 FHET45	52 min	56 min	70 min	105 min	140 min	211 min
	M18 FHET60	52 min	56 min	70 min	105 min	140 min	211 min
	M18 FOPH-HTA	26 min	28 min	35 min	52 min	70 min	105 min
BRUSH CUTTERS							
TRIMMING HIGH MODE *measured under no load speed, simulates light grass trimming application	M18 FOPH-BCA	23 min	30 min	38 min	46 min	61 min	91 min
	M18 FBCU	12 min	13 min	16 min	24 min	33 min	49 min
TRIMMING LOW MODE *measured under no load speed, simulates light grass trimming application	M18 FBCU	22 min	23 min	29 min	44 min	58 min	88 min
BLOWERS							
TOUGH BLOWING HIGH MODE	M18 FBLG3	6 min	6 min	8 min		12 min	18 min
TOUGH BLOWING MEDIUM MODE	M18 FBLG3	18 min	19 min	24 min		32 min	37 min

APPLICATION	PRODUCT NAME	BATTERY					
M18		M18 HB3	M18 B4	M18 B5	M18 HB6	M18 HB8	M18 HB12
SPRAYERS							
CHEMICAL SPRAYER *Number of tanks on speed one which is equivalent to light spraying	M18 BPFP-CST	9 tanks	12 tanks	15 tanks	18 tanks	24 tanks	36 tanks
EDGERS							
LIGHT EDGING HIGH MODE	M18 FOPH-EA	40 min	42 min	53 min	80 min	106 min	160 min
BRUSHES							
CLEANING HIGH MODE *measured under load moving wood chips and dirt at full throttle	M18 FOPH-BBA	11 min	14 min	18 min	22 min	29 min	43 min
CLEANING HIGH MODE *measured under load moving wood chips and dirt at full throttle	M18 FOPH-RBA	9 min	12 min	15 min	18 min	25 min	37 min

M18 DUAL BATTERY		M18 HB3	M18 B4	M18 B5	M18 HB6	M18 HB8	M18 HB12
LAWN MOWER							
GRASS CUTTING *removing 2.5 cm of grass at 4.8 km/h	M18 F2LM53	HD HIGH OUTPUT REDLITHIUM™ BATTERY TECHNOLOGY MILWAUKEE® RECOMMENDS HIGH OUTPUT™ BATTERIES			1000 m²	1300 m²	2000 m²
BLOWER							
TOUGH BLOWING HIGH MODE	M18 F2BL	HD HIGH OUTPUT REDLITHIUM™ BATTERY TECHNOLOGY MILWAUKEE® RECOMMENDS HIGH OUTPUT™ BATTERIES			13 min	17 min	26 min

*Dual-battery run time based on two of the same battery, using batteries with different amp hour (Ah) capacities will provide the run time of the smaller battery.

M12		M12 B2	M12 HB2.5	M12 B3	M12 B4	M12 B6	M12 HB5
HATCHET SAW							
LOG CUTTING CUTS IN 5CM OAK	M12 FHS	60 cuts	86 cuts	90 cuts	120 cuts	180 cuts	172 cuts
HEDGE TRIMMER							
LIGHT TRIMMING *No load run time at full throttle (simulates light trimming application)	M12 FHT	25 min	36 min	37 min	50 min	75 min	72 min
SPRAYER							
CHEMICAL SPRAYER *first mode - spot spraying	M12 BHCS3L	303 Liters	431 Liters	450 Liters	600 Liters	900 Liters	862 Liters

SCAN TO VIEW OUR OPE RANGE

- Run time data based on MILWAUKEE™ testing conducted using the recommended battery

*Charge times are based on a fully-charged battery. These given guidelines are indicative only and may not be replicated due to the varying usage conditions. Results can vary depending on the user and the application. Test results conducted by MILWAUKEE™ for recommended batteries are marked in white, all other battery capacities are calculated.

JOBSITE CLEANUP

Vacuums, Compact Blowers, Air Tip Accessories

M18

VACUUMS & BLOWERS

M18 FUEL PACKOUT™ WET / DRY VACUUM
M18 FPOVCL

- Up to 60% more suction
- Unmatched mobility, less down time
- Up to 2x quieter

Voltage	18V
Air Volume (L/m)	1416
Max. Vacuum (mbar)	117
Capacity (L)	9.5
Weight w/ 5.0Ah Battery Pack (kg)	5.9

M18 FUEL 23L WET/DRY VACUUM
M18 FVC23L

- Outperforms 3.5 - 4.25 peak HP wet/dry vacuums
- Most durable wheels and hose
- Most versatile wet/dry vacuum system

Voltage	18V
Air Volume (L/m)	2463
Max. Vacuum (mbar)	149
Capacity (L)	23
Weight w/ 12.0Ah Battery Pack (kg)	15

M18 WET/DRY VACUUM
M18 VC-2

- Powerful suction for wet & dry applications
- Organized and enclosed on-board storge
- Extended runtime

Voltage	18V
Air Volume (L/m)	1300
Max. Vacuum (mbar)	80
Capacity (L)	7.5
Weight w/ 5.0Ah Battery Pack (kg)	5.3

M18 COMPACT VACUUM
M18 CV

- Excellent suction for drywall dust, wood/metal shavings, and debris
- Unique design and attachment combination
- Extended run time

Voltage	18V
Air Volume (L/m)	1019
Max. Vacuum (mbar)	94
Capacity (L)	1
Weight w/ 5.0Ah Battery Pack (kg)	1.9

M18 FUEL BACKPACK VACUUM
M18 FBPV2

- Vacuum maintains highest sustained air performance and provides longest filter life
- Optimized runtime for cleaning, sufficient for whole site cleanup

Voltage	18V
Air Volume (L/m)	1983
Max. Vacuum (mbar)	137
Capacity (L)	3.8
Weight w/ 8.0Ah Battery Pack (kg)	8.4

M18 COMPACT BLOWER
M18 BBL

- Fast clean pruning
- 3-Speed switch and variable trigger enable versatile clearing
- Lock-on switch reduces user fatigue

Voltage	18V
Max. Air Volume (m^3/min)	2.9
Max. Airflow Speed (km/h)	257
Noise Rating (db)	77.7
Length without Nozzle (mm)	375
Weight w/ 4.0Ah Battery Pack (kg)	1.9

M18 HIGH SPEED BLOWER
M18 BLHSB

NEW

- Fastest air speed for stubborn debris
- Comfortable handle design and trigger lock-on for reduced user fatigue
- Interchangeable nozzles for ultimate versatility

Voltage	18V
Max. Air Flow (m^3/min)	917
Max Velocity (kmh)	1.1
Weight w/ 5.0Ah Battery Pack (kg)	1.83

M12

VACUUMS & BLOWERS

M12 FUEL WET/DRY VACUUM
M12 FVCL

- Up to 40% more suction than 18V competitors
- M12 FUEL: Highest performing 12V cordless vacuum
- Performance to meet all quick and service orientated cleanup applications

Voltage	12V
Air Flow (L/m)	1275
Max. Vacuum (mbar)	105
Dry Capacity (L)	6.1
Weight w/ 6.0Ah Battery Pack (kg)	5

M12 COMPACT SPOT BLOWER
M12 BBL

- 2-speed electronic switch
- Variable speed trigger
- Cruise control lock reduces user fatigue

Voltage	12V
Max. Air Volume (m^3/min)	4.9
Max. Airflow Speed (km/h)	177
Noise Rating (db)	78
Length without Nozzle (mm)	380
Weight w/2.0Ah Battery Pack (kg)	1.9

AIR-TIP™ ATTACHMENTS & ACCESSORIES

M12 AIR-TIP™ UTILITY NOZZLE
0980-20

- Easy access on/off button
- LED lights for low lighting environment
- Powered brush roll agitates debris for deep cleaning

AIR-TIP™ SWIVELING PALM BRUSH
49-90-2020

- Swivels 360°
- Rubber bristle head
- Short and stiff brush head

AIR-TIP™ ROTATING CORNER BRUSH TOOL
49-90-2021

- Corner shaped tip for deep corner cleaning
- 360° rotating brush head
- Agitating brushes for easy debris removal

AIR-TIP™ DUST COLLECTOR
49-90-2022

- Funnel design to capture more debris
- Sucks to wall for hands-free use
- Rubber seal maintains suction to wall for less cleanup

AIR-TIP™ 3-IN-1 CREVICE AND BRUSH TOOL
49-90-2023

- Short and stiff brushes
- Long and soft brushes

AIR-TIP™ CONDUIT LINE PULLER KIT
49-90-2024

- Rubber cone seal
- Flexible design to fit into small conduit boxes
- Multiple sized tools for difference conduit

AIR-TIP™ 4-IN-1 RIGHT ANGLE CLEANING TOOL
49-90-2026

- Right angle design reaches around obstacles

AIR-TIP™ LOW-PROFILE PIVOTING BRUSH TOOL
49-90-2027

- 360° flat swiveling brush head
- Pivoting joint for use in multiple orientations
- Brushes to agitate debris and protect surfaces

AIR-TIP™ 2-IN-1 UTILITY BRUSH TOOL
49-90-2028

- Brush tool slides and locks into place
- Agitating brushes for easy debris removal

AIR-TIP™ FLEXIBLE LONG REACH CREVICE TOOL
49-90-2030

- Flexible tool shaft
- Flexible rubber shaft bends into hard to reach places

AIR-TIP™ PIVOTING EXTENSION WAND
49-90-2031

- Pivoting 90° joint for greater access

AIR-TIP™ MAGNETIC UTILITY NOZZLE
49-90-2032

- Black zinc coating prevents rust
- Magnetic strips on front and back catch metal hardware

AIR-TIP™ 63.5MM (2-1/2") MAGNETIC UTILITY NOZZLE
49-90-2033

- Black zinc coating prevents rust
- Magnetic strips on front and back catch metal hardware

AIR-TIP™ NON-MARRING UTILITY NOZZLE KIT
49-90-2034

- Crevice and utility nozzle
- Non-marring edges protect surfaces from scratches and marks

AIR-TIP™ CROSS BRUSH TOOL
49-90-2035

- Cross design prevents brushes from pushing debris away
- Agitating brushes for easy debris removal

AIR-TIP™ LONG REACH FLEXIBLE MICRO HOSE SET
49-90-2037

- Twist and lock hoses into place
- Five interchangeable hose lengths and diameters

AIR-TIP™ ROCKING UTILITY NOZZLE WITH BRUSHES
49-90-2038

- Easier to push and pull across surfaces
- Agitating brushes for easy debris removal

AIR-TIP™ 63.5MM (2-1/2") ROCKING UTILITY NOZZLE WITH BRUSHES
49-90-2039

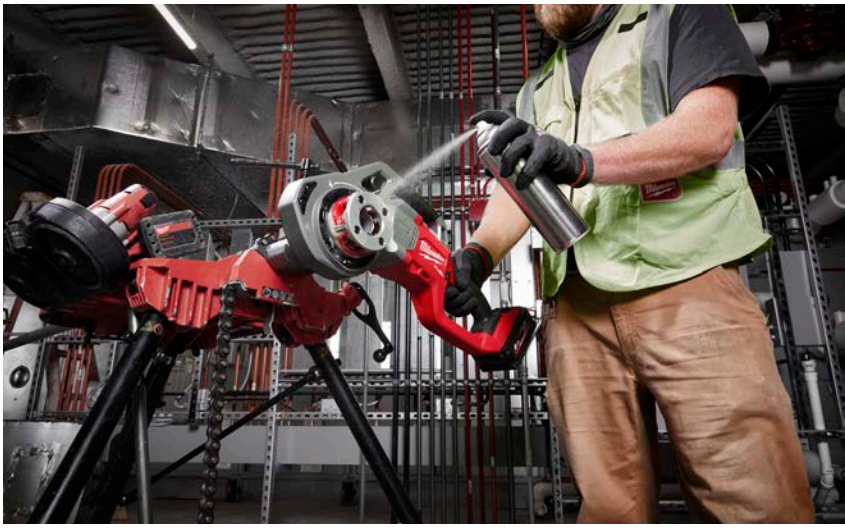
- Easier to push and pull across surfaces
- Agitating brushes for easy debris removal
- Rocking design prevents tool from sucking to surface

AIR-TIP™ CLAW UTILITY NOZZLE WITH BRUSHES
49-90-2040

- Agitating brushes for easy debris removal

PLUMBING & MECHANICAL

Pipe Cutting and Connecting Solutions, Drain Cleaning, Pumps



M18

PLUMBING & MECHANICAL SOLUTIONS

M18 BRUSHLESS RECOVERY PUMP
M18 BLRP

NEW

- A2L compatible
- Instant power, no hassle
- LCD screen to easily assess levels

Voltage	18V
Motor Speed (rpm)	18,000
High Pressure Shut Off	37.9 bar (550 PSI)
Ultimate Vacuum	-20 inHg
Port Size (in)	1/4" SAE Flare
Weight w/ out Battery Pack (kg)	9.2

M18 BRUSHLESS STICK WATER PUMP
M18 BLSWP

- Up to 94.5 Liters per minute
- HYDROPASS™ filter maximizes flow in heavy debris
- 1,219mm submersible reach for easier inlet control

Voltage	18V
Max Head Height (m)	5.1
Max Flow Rate (l/min)	94.5
Fitting	32 mm (1-1/4") BSPP Female Thread w/ provided adaptors
Max Water Temperature	60 °C
Submersible Depth (mm)	1,219
Tool Length (mm)	1,600
Protection class (IP rating)	Pump head: IPX8 I Battery pack compartment: IPX4
Weight w/ 12.0Ah Battery Pack (kg)	7.0

M18 FUEL 5CFM VACUUM PUMP
M18 FVP5

- Evacuate without generators or temporary power
- Manifold mode maximizes runtime in manifold setups
- Instant power, no hassle

Voltage	18V
Flow Rate	5 CFM (142 L/min)
Ultimate Vacuum	25 Microns
Port Compatibility	1/4", 3/8", 1/2" & 5/16" Adaptor
Pump Type	Two-Stage Rotary Vane
Oil Capacity	550 ml
Manifold Mode	Yes
Gas Ballast Valve	Yes
Isolating Ball Valve	Yes
Internal Check Valve	Yes
Weight w/ 8.0Ah Battery Pack (kg)	9.6

M18 FUEL 12MM - 34MM STEEL PIPE CUTTER
M18 FPCS

NEW

- Cuts steel pipe from 12mm to 34mm outer diameter
- Minimal burring reduces preparation time
- Optimized access with as little as 64mm clearance

Voltage	18V
No Load Speed (rpm)	3140
Blade Change	Yes
Blade Guard	Yes
Cutting Clearance (mm)	64
LED Light	Yes
Max Cutting Capacity (mm)	34
View Window	Yes
Pipe Material	Carbon Steel, Galvanized Steel
Weight w/ out Battery Pack (kg)	3

ACCESSORY

4932500399	IPS Cutter Circular Blade 115mm x 12mm x 24T

M18 FORCE LOGIC 2"-3" PEX EXPANSION TOOL
M18 ONEBLPXPL

- Powerful hydraulic system expands up to DN75 pipe
- Auto-rotating head expands PEX pipe quickly and evenly
- All-metal gears and integrated magnesium frame for maximum jobsite durability

Voltage	18V
Head Type	Auto-Rotating
Stroke Length (mm)	55.5
Weight w/ 5.0Ah Battery Pack (kg)	10.1

M18 TRANSFER PUMP
M18 BTP

- Self-priming, connect and go
- Pumps up to 1817 liters per hour
- Powerful motor generate a lift height up to 5.5m and a head height up to 23m

Voltage	18V
Flow Rate (l/m)	30
IP Protection Class	IPX4
Max. Head Height (m)	23
Max Suction Height (m)	5.5
Max Water Temperature (°C)	60
Thread Size (mm)	¾"(19 mm) Male BSPT
Weight w/ 5.0Ah Battery Pack (kg)	4.1

M18 FUEL 1 ¼" COMPACT PIPE THREADER WITH ½"-1 ¼" COMPACT BSPT HIGH SPEED DIE HEADS
M18 FPT114

- Lightest cordless threading solution optimized for service and repair work
- AUTOSTOP™ kickback control prevents severe kickback
- Side grip thread starts eliminate engagement with spinning die head

Voltage	18V
Rated Speed	0 – 35/min
Die Head Range	½", ¾", 1" & 1¼"
Die Thread Type	NPT / BSPT
Die Type	Alloy / High Speed
AUTOSTOP™	Yes
Variable Speed	Yes
Weight w/ 8.0Ah Battery Pack (kg)	5.8

ACCESSORIES FOR M18 FPT114

PIPE THREADER DIES

4932480227	BSPT Alloy Die 1/2"	48-36-1101	NPT Alloy Die 1/2"
4932480228	BSPT Alloy Die 3/4"	48-36-1102	NPT Alloy Die 3/4"
4932480229	BSPT Alloy Die 1"	48-36-1103	NPT Alloy Die 1"
4932480230	BSPT Alloy Die 1-1/4"	48-36-1104	NPT Alloy Die 1-1/4"
4932480233	BSPT HS Die 1/2"	48-36-1107	NPT HS Die 1/2"
4932480234	BSPT HS Die 3/4"	48-36-1108	NPT HS Die 3/4"
4932480235	BSPT HS Die 1"	48-36-1109	NPT HS Die 1"
4932480236	BSPT HS Die 1-1/4"	48-36-1110	NPT HS Die 1-1/4"

PIPE THREADER DIE HEADS

4932480245	BSPT Alloy Die Head 1/2"	48-36-1307	NPT Alloy Die Head 1/2"
4932480246	BSPT Alloy Die Head 3/4"	48-36-1308	NPT Alloy Die Head 3/4"
4932480247	BSPT Alloy Die Head 1"	48-36-1309	NPT Alloy Die Head 1"
4932480248	BSPT Alloy Die Head 1-1/4"	48-36-1310	NPT Alloy Die Head 1-1/4"

M18 FUEL PEX EXPANSION TOOL
M18 FPXP

NEW

- Auto-rotating heads from 9.9mm to 50mm provide the most accurate, one-handed expansions
- Two speed settings: One for up to 32mm and one for 40mm and above
- On board LED light for illumination in low lit working condition

Voltage	18V
Stroke Length (mm)	14
Head Type	Auto-rotating
LED Light	Yes
Max Pipe Diameter 6 bar (mm)	32
Max Pipe Diameter 10 bar (mm)	25
Weight w/ 5.0Ah Battery Pack (kg)	6.7

ACCESSORIES

4932479581	PXPH40I-2510 PEX Expander Heads
4932479582	PXPH50I-25 PEX Expander Heads

M18 FUEL ROLL GROOVER FOR 2"(50A) - 6"(150A) PIPE
M18 FRGRO2

NEW

- Grooves 2" - 6" SCH 10/40
- Fastest setup to install, work anywhere
- Operates in less than 108mm of clearance for best access

Voltage	18V
Pipe Capacity	Carbon steel 2–6 in. SCH 10 2–6 in. SCH 40 Stainless steel 2–6 in. SCH 10 2 in. SCH 40
Pipe Material	Carbon/ Galvanized/ Stainless Steel
Weight w/ out Battery Pack (kg)	19.10

M12

PLUMBING & MECHANICAL SOLUTIONS

M12 2" COPPER TUBING CUTTER
M12 CTC2

- Fast clean cuts
- Automatically adjust to cut 34.92 mm, 41.28 mm, 53.98 mm outer diameter copper
- Superior access with as little as 53mm clearance

Voltage	12V
Motor Type	Brushless
Tool Dimensions (mm)	321.8 x 97.8 x139.7
Material Application	Copper Pipe
Pipe capacity (mm)	34.92, 41.28, 53.98 (Outer Diameter)
Cut Clearance (mm)	53
Auto-Adjust to Pipe Size	Yes
LED Light	Yes
View Window	Yes
Weight w/ 4.0Ah Battery Pack (kg)	3.1

ACCESSORY

48-38-4257	Replacement Wheel for M12 CTC2

M12 COMPACT COPPER PIPE CUTTER
C12 PC

- Automatically adjusts from 12mm to 28mm tubing and rotates to cut in confined spaces
- Inline design reduces wrist drain in confined space
- Corrosion & rust resistant metal cutting head

Voltage	12V
No Load Speed (rpm)	0-500
Minimum Space for Tube Cutting (mm)	40
Pipe Capacity (mm)	12/15/18/22/25/28
Weight w/ 2.0Ah Battery Pack (kg)	1.7

M12 COMPACT PEX CUTTER
C12 PPC

- Powerful mechanism cuts up to 50mm PVC pipe in 3 seconds
- Super sharp blade for blur free cuts
- Variable speed trigger for complete cut out control

Voltage	12V
Max. Cutting Capacity (mm)	50
On Board LED	Yes
Weight w/ 2.0Ah Battery Pack (kg)	1.9

M12 COMPACT PEX EXPANSION TOOL
C12 PXP

- Auto-rotating head 12mm to 32mm provides accurate, one-handed expansion
- Compact, right angle design for use in tight locations
- All-metal gears and integrated metal frame for maximum jobsite durability

Voltage	12V
Stroke Length (mm)	14
Speed (spm)	60
Max. Pipe dia. 6 Bar (mm)	32 x 2.9
Included Heads (mm)	16, 20, 25
Weight w/ 2.0Ah Battery Pack (kg)	1.9

M12 AIRSNAKE DRAIN CLEANING AIR GUN
M12 DCAG

- Up to 50 PSI for tough clogs down the line
- Instantly reach clogs 10.6m out
- Optimized attachments for sinks, toilets, and floor drains

Voltage	12V
Drain Line Capacity (mm)	25-100
Air Pressure (PSI)	0-50
Variable Pressure Dial	Yes
Clearing Distance (m)	10.6
Automatic Pressure Loading	Yes
LED Work Light	Yes
Weight w/ 2.0Ah Battery Pack (kg)	3.4

M12 COMPACT DRAIN CLEANER WITH SPIRAL DIAMETER 6 MM
M12 BDC6

- Hybrid design: provides benefits of both handheld and floor based drain cleaners in 1 machine
- Drum shield: protects user and fixture during use
- Professional drain cleaner on the market with lighter weight

Voltage	12V
No Load Speed (rpm)	0-500
Max. Drain Diameter (mm)	50
Spiral Diameter (mm)	6
Spiral Length (m)	7.6
Weight w/ 2.0Ah Battery Pack (kg)	4.2

ACCESSORY

48-53-2573	Drain Cables

M12 STICK WATER PUMP
M12 BSWP

- HYDROPASS filter shields against clogs
- Submersible up to 85 cm
- Push water farther with 4.5m max head height

Voltage	12V
Head Height	4.5m
Max Flow Rate	34 liters/ minute
Fitting	19 mm (3/4") BSPT Male
Max Water Temperature	60°C
Submersible	85cm
Fuel Indicator	Yes
Protection class (IP Rating)	IPX4
Weight w/ 6.0Ah Battery Pack (kg)	2

6" LEVELING TRIPOD CHAIN VISE
48-22-8690

- STABLE LOK provides lifetime sturdiness
- Two-step deployment eliminates setup hassles
- Adjustable leg for level alignments

Pipe Capacity	1/8"- 6"
Stability Adjustment	STABLE LOK
Leveling Adjustment	+/- 3 Degrees
Storage & Transport Profile	Flat, Briefcase-Style
Storage Height (cm)	125.8
Storage Depth (cm)	13.4

M12 FUEL HIGH SPEED FLEXIBLE SHAFT MACHINE (1-1/4"-2")
M12 HSFSM

NEW

- Clears clogs in 32mm (1 ¼") – 50mm (2") pipes up to 10.5m down the line
- Easiest, most controlled wall to wall clean
- Clear 21m of build-up with (1) M12 6.0Ah battery

Voltage	12V
No Load Speed (rpm)	450–1850
Pipe Capacity (in)	1¼" - 2" (32mm-50mm)
Cable Length (m)	10.5
Cable Diameter (mm)	6.35 w/out Sheath 9.5 w/ Sheath
Clutch	Yes; Mechanical
Weight w/ out Battery Pack (kg)	9.5

ACCESSORIES

HSFSM-SC3240-6	32 - 40mm Standard Chain
HSFSM-SC50-6	50mm Standard Chain
HSFSM-CC3240-6	32 - 40mm Carbide Chain
HSFSM-CC50-6	50mm Carbide Chain
HSFSM-RC-6	Replacement Cable
HSFSM-PH-6	Grease Penetrating Head

M12 STAINLESS STEEL PIPE CUTTER
M12 PCSS

NEW

- Auto-adjust to cut 15.88 - 22.22 - 28.58mm outer diameter stainless steel pipe
- High performance 380rpm motor cuts 28.58mm outer diameter stainless steel pipe in less than 13 second

Voltage	12V
No Load Speed (rpm)	0-380
Auto Adjust To Pipe Size	Yes
Cutting Clearance (mm)	40
LED Light	Yes
Pipe Material	Stainless Steel
Pipe Sizes	15.88 / 22.22 / 28.58
Switch Type	Slide to Lock / Release the Jaw
Weight w/ 2.0Ah Battery Pack (kg)	1.55

ACCESSORY

PCSSW	Replacement Wheel for M12 PCSS

M12 PACKOUT™ INSPECTION CAMERA
M12 POSIC

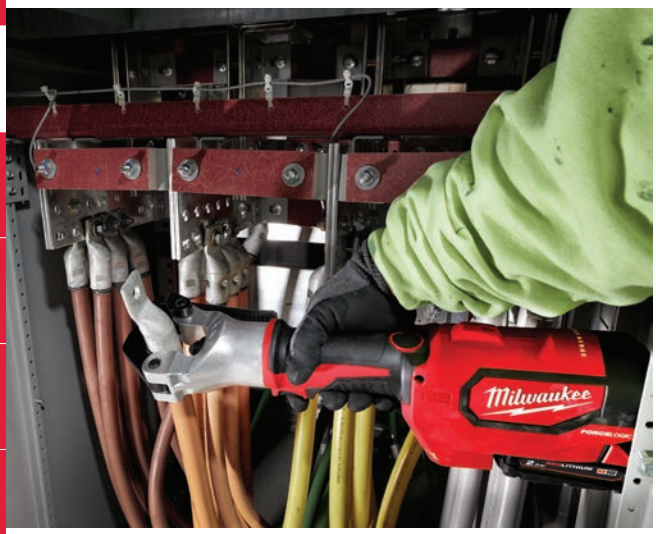
NEW

- Integrated 7" HD touchscreen, instant setup for emergency plumbing situations
- Impact, debris & water-resistant housing and display for protection in transport and use
- PACKOUT™ Compatible (Top-Stack Only) for easy one-trip transportation and mess containment

Voltage	12V
Cable Length (m)	23
Camera Head Diameter (mm)	18.5
Screen Resolution	1280x800
Memory Card	SD Card
USB Output (V/A)	5V / 1A
IP Rating	IP67 (Camera Head and Camera Cable)
Drop Rating (cm)	90
Weight w/ 2.0Ah Battery Pack (kg)	4.6

ELECTRICAL & POWER UTILITY

Hydraulic Pumps, Cable Cutters, Crimpers



M18

CRIMPERS

M18 FORCE LOGIC 6T LINEAR UTILITY CRIMPER
M18 ONEHUCT

- Easiest set-up with 7 interchangeable crimping & cutting jaws
- Instant pressure verification with PFM™ System
- Fastest connections in all elements with high speed hydraulic pump

Voltage	18V
Output Force (kN)	53
Max Crimping Capacity (mm^2)	300
Max Cutting Capacity (mm)	ACSR : 22.5 EHS Guy Wire: 15
Head rotation(°)	340
Weight w/ 2.0Ah Battery Pack (kg)	3.3

ACCESSORIES FOR M18 ONEHUCT

Replacement Jaws	
49-16-2773	ACSR Cutting Jaw
49-16-2778	Fine Strand Cutting Jaw
49-16-BGD3	6T Fixed BG Crimp Jaw
49-16-11D3	6T Snub Nose Crimp Jaw
49-16-2772	Cu/Al Cutting Jaw
49-16-2777	EHS Guy Wire Cutting Jaw
49-16-10D3	6T Fixed O Crimp Jaw

M18 FORCE LOGIC HYDRAULIC DIELESS CRIMPER
M18 HDCT

- Easiest alignment with in-line design and 180° rotating head for tight space access
- Best-in-class crimp confidence with auto distance control
- UL Classified crimps from 10-300mm^2 with UL lugs and splices

Voltage	18V
Output Force (kN)	60
Max Crimping Capacity (mm^2)	300
Head rotation(°)	180
Weight w/ 2.0Ah Battery Pack (kg)	4.5

M18 FORCE LOGIC 120KN HYDRAULIC CRIMPER
M18 HCCT120 / M18 HCCT120ST

- Fastest connections in all elements, crimping up to 400mm^2
- Easiest alignment with enlarged trigger and balanced design
- Quality connections with PFM™ system

Voltage	18V
Output Force (kN)	120
Max Crimping Capacity (mm^2)	Copper: 400 Aluminum: 300
Head rotation(°)	340
Weight w/ 5.0Ah Battery Pack (kg)	7.58

M18 FORCE LOGIC 60KN GUILLOTINE CRIMPER
M18 ONEHCCT60

- Get the full 60kn of linear force through the hydraulic ram
- Inline design delivers unmatched access
- Best crimp result with fully closed dies up to 300mm^2

Voltage	18V
Nominal Force (kN)	60
Max. Crimping Capacity(mm^2)	300
Head rotation(°)	340
Jaw Style	Guillotine
Weight w/ 2.0Ah Battery Pack (kg)	3.8

M18 FORCE LOGIC 12T UTILITY CRIMPER
M18 HCCT109/42

- Easiest alignment with up to 1.5kg lighter than competive units
- Instant pressure verification with PFM™ system
- Best protection against the elements with sealed electronics keep dirt & moisture out

Voltage	18V
Nominal Force(kN)	109
Max Crimping Capacity(mm^2)	Copper:400 Aluminum:300
Head rotation(°)	350
Weight w/ 2.0 Battery Pack(kg)	5.6

M18 FORCE LOGIC 15T CRIMPER
M18 HCCT15

- Inline design and centered grip for one-handed use helps reduce muscle effort
- Fully compatible with all industry-standard P-Dies and P-to-U Die Adapters
- PFM™ ensures full pressure is reached

Voltage	18V
Nominal Force(kN)	133
Max Crimping Capacity(mm^2)	Copper:800 Aluminum:625
Head rotation(°)	350
Weight w/ 2.0Ah Battery Pack(kg)	7.9

ACCESSORIES FOR M18 HCCT15

15T P-Dies (400mm^2)	
4915P750C	Conductor Type - Copper
4915P750	Conductor Type - Aluminum
15T P-Dies (420mm^2)	
4915P800C	Conductor Type - Copper
4915P800	Conductor Type - Aluminum
15T P-Dies (500mm^2)	
4915P000C	Conductor Type - Copper
4915P000	Conductor Type - Aluminum
15T P to U-Die Adapter	
49-15-PUAD	15T P to U-Die Adapter

M18 FORCE LOGIC 6T COMMERCIAL CRIMPER
M18 HCCT

- Proprietary jaw alignment system
- Predictive Force Monitoring (PFM™)
- Best protection against the elements

Voltage	18V
Nominal Force (tons)	53
Max Crimping Capacity (mm^2)	Copper: 300 Aluminum:150
PFM Adaptive Pressure Control System	Yes
Head Rotation (°)	350
Weight w/ 2.0Ah Battery Pack (kg)	3.7

ACCESSORY FOR M18 HCCT

Replacement CU/AL Standard Copper and Aluminium Cable Cutting Jaw
019600625

CABLE CUTTERS

M18 FORCE LOGIC 125MM UNDERGROUND CABLE CUTTER WITH WIRELESS REMOTE
M18 HCC125R

- More balanced, maximum control with 360° articulating D-handle and 180° rotation
- Larger cut capacity that cutting up to 125mm diameter
- Remote indicates completion enables cable splicers to move away up to 30m line of sight

Voltage	18V
Max Cutting Capacity (CU/AL/SWA) (mm)	125
No. of Cuts/Blade	1,000+
No. of Cuts per 8.0Ah Battery Pack	30+
Auto Retraction	Yes
Head Rotation(°)	180
Nominal Force (kN)	120
Weight w/ 8.0Ah Battery Pack(kg)	17.5

ACCESSORIES FOR M18 HCC125R

Replacement Underground Cutter Blade	
4932492423	Latch Replacement Blade
4932492424	Moving Ram Replacement Blade

M18 FORCE LOGIC 6T CU/AL CABLE CUTTER
M18 HCC

- Compact in-line and slim jaw design with 350° rotatable head allows easy cuts
- Best balanced tool and easiest control due to one hand operation
- Cuts cables in less than 3 seconds with 6 tons of force.

Voltage	18V
Max Cutting Capacity (CU/AL Cutting Jaw) (mm)	35
Max Cutting Capacity (ACSR Cutting Jaw 49-16-2773) (mm)	22.5
Cutting Range (Fine Stranded Cutting Jaw49-16-2778) (mm)	35
Nominal Force(kN)	53
Cut Speed (s)	3
No. of Cuts/Blade	3,000+
No. of Cuts 2.0 Ah Battery Pack	150+
Head Rotation (°)	350
Auto Retraction	Yes
Weight w/ 5.0Ah Battery Pack (kg)	3.7

ACCESSORIES FOR M18 HCC

Replacement Jaws	
49-16-2772	CU/AL Cutting Jaw
49-16-2773	ACSR Cutting Jaw
49-16-2777	EHS Guy Wire Cutting Jaw
49-16-2778	Fine Stranded Wire Jaw

49-16-2772 49-16-2773 49-16-2777 49-16-2778

M18 FORCE LOGIC OVERHEAD CABLE CUTTER
M18 HCC45

- One-handed jaw opening
- Hands-free jawclosure, easiest mid-span cuts
- Faster transmission cutter

Voltage	18V
Cutting Range (1590 Falcon ACSR) (mm)	45
Cutting Range (EHS Guy Wire) (mm)	12.7
Cut Speed (s)	7.7
No. of Cuts per 5.0Ah Battery Pack	100+
Head Rotation (°)	340
Auto Retraction	No
Output Force (kN)	77.8
Weight w/ 5.0Ah Battery Pack (kg)	6

ACCESSORIES FOR M18 HCC45

Replacement Overhead Cutter	
49162775	

M18 FORCE LOGIC 75MM UNDERGROUND CABLE CUTTER WITH WIRELESS REMOTE
M18 HCC75R

- Easiest set-up in vaults and trenches
- Safer cutting, wireless remote
- Remote indicates completion

Voltage	18V
Cutting Range (CU/AL Cutting Jaw) (mm)	75
Cut Speed (s)	9.5
No. of Cuts Per 5.0Ah Battery Pack	100+
Head Rotation (°)	340
Auto Retraction	No
Output Force (kN)	77.8
Weight w/ 5.0Ah Battery Pack (kg)	7.9

ACCESSORIES FOR M18 HCC75R

Replacement Underground Cutter Blade	
49162774	

HYDRAULIC PUMPS

M18 FORCE LOGIC 700 BAR HYDRAULIC PUMP
M18 HUP700R

- No gas, no generators
- Significantly faster work cycles with 1.6 Litre total oil reservoir
- All day runtime

Voltage	18V
Force Output (bar)	700 (10,000 psi)
Oil Delivery Low Pressure (l/min)	2.0
Oil Delivery High Pressure (l/min)	0.4
Oil Tank Capacity (L)	1.3
Remote Controller	Wired & Wireless
Adaptive Pressure Control	PFM
Weight w/ 12.0Ah Battery Pack (kg)	16.5

ACCESSORY FOR M18 HUP700

1 Liter Can Of Hydraulic Oil
129227516

M18 BRUSHLESS SINGLE ACTION MINI HYDRAULIC PUMP
M18 HMP700

- Up to 2.5x faster vs. Handpumps, increased productivity
- Up to 95% less muscle effort vs. Handpumps, reduced fatigue
- Compact, lightweight and portable

Voltage	18V
Force Output (bar)	700(10,000 psi)
Oil Delivery Low Pressure(l/min)	0.3
Oil Delivery High Pressure(l/min)	0.2
Oil Capacity (L)	1.0
Weight w/12.0Ah Battery Pack(kg)	6.6

ACCESSORY FOR M18 HMP700

1 Liter Can Of Hydraulic Oil
129227516

OTHER ELECTRICAL SOLUTIONS

M18 FORCE LOGIC 6T KNOCKOUT PUNCH
M18 HKP

- Punches 100mm holes in mild steel
- Quick connect system speeds up alignment
- Ideal for service: Best clearance, lighter

Voltage	18V
Hole Diameter (mm)	Max. 100
Thickness (mm)	Mild Steel: 3.0 Stainless Steel: 2.5
No. of Holes per 2.0Ah Battery Pack	120
Output Force (tons)	6
Capacity (Basic Set) (mm)	12 - 50
Capacity (Additional Accessories) (mm)	63 - 100
Weight w/ 2.0Ah Battery Pack (kg)	2.0

Included:

(49-16-2680) 7/16" (11 mm) Draw Stud
(49-16-2681) 3/4" (19 mm) Draw Stud
Quick Connect Alignment System
EXACT 1/2" (12mm) to 2" (50mm) Conduit Punches and Dies
(2) M18 REDLITHIUM 2.0 Batteries
M18 and M12 Multi-voltage Charger
Carrying Case

M18 BRUSHLESS THREADED ROD CUTTER
M18 BLTRC

- One-handed center grip design
- Burr-free cuts. No chips, no sparks
- Clearest line of sight for the most accurate cuts

Voltage	18V
Cutting Capacity Mild Steel	M6, M8, M10, M12
Cutting Capacity Stainless Steel	M6, M8, M10
Style	Shear
LED	Yes
Blades	Replacable Cutting Dies
Weight w/ 2.0Ah Battery Pack (kg)	3.2

ACCESSORY FOR M18 BLTRC

1/4", 3/8", 1/2" Replacement Cutting Die Set
4932471372

M18 FUEL POWERED FISH TAPE BASE
M18 FPFT

- Power to pull 60m through 360' bends
- Auto-run power feed & retract
- No mess, less binding

Voltage	18V
No Load Speed (rpm)	0-37
Non-Conductive Drum Tape Length (m)	30
Non-Conductive Drum Tape Material	Polyester
Weight w/ 2.0Ah Battery Pack (kg)	6.4

ACCESSORY FOR M18 FPFT

Non-Conductive Fish Tape 30m
FPFT18ACCY01

M18

FORCE LOGIC STRUT SHEAR
M18 STSO

- Precise measurement, consistent accuracy
- No exposed blades
- Installation ready cuts, eliminate filing

Battery System	M18
Strut material	Mild steel, Galvanized steel
Max material thickness (mm)	3
Force (kN)	176.4
Cutting Cycle	5 seconds
Dual LEDs	YES
Tri-Stand Chain Vice Mount	YES
Die Retention Arm	YES
Tool dimension (mm)	444.5 x 193.8 x 243.6
Weight (Tool only) (kg)	10.7

ACCESSORIES FOR M18 STSO

49-16-0158	Strut Shearing Dies 41mm X 41mm
49-16-1316	Strut Shearing Dies 21mm X 41mm
49-16-0078	Strut Shearing Dies 22mm X 41mm
49-16-1513	Strut Shearing Dies 21mm X 41mm Combo
49-16-1578	Strut Shearing Dies 22mm X 41mm Combo

M12

CABLE CUTTER

M12

COMPACT CABLE CUTTER
M12 CC

- Professional capacity 32mm: Powerful jaws cut effortlessly through large cable
- Superior blade geometry: Delivers a round and installation-ready cut
- Breakthrough ratcheting mechanism: Fits into tight panels for more effective cutting

Voltage	12V
Cutting Range (mm)	32
Cutting Force (kN)	32
Speed Settings	2
Weight w/ 4.0Ah Battery Pack (kg)	3.0

ACCESSORY FOR M12 CC

M12 600 MCM Cable Cutter Blade	
129226504	

ELECTRICAL & POWER UTILITY SOLUTIONS

M12

SOLDERING IRON
M12 SI

- Fast, smart, portable soldering
- Heats quickly, maintains optimized temperature
- Ready-to-use & safe-to-store indicator

Voltage	12V
Heat Up Time (s)	20 – 30
Interchangeable Tips	Chisel & Pointed
LED	Yes
Run-Time (min)	60
Length (mm)	294
Weight w/ 2.0Ah Battery Pack (kg)	0.5

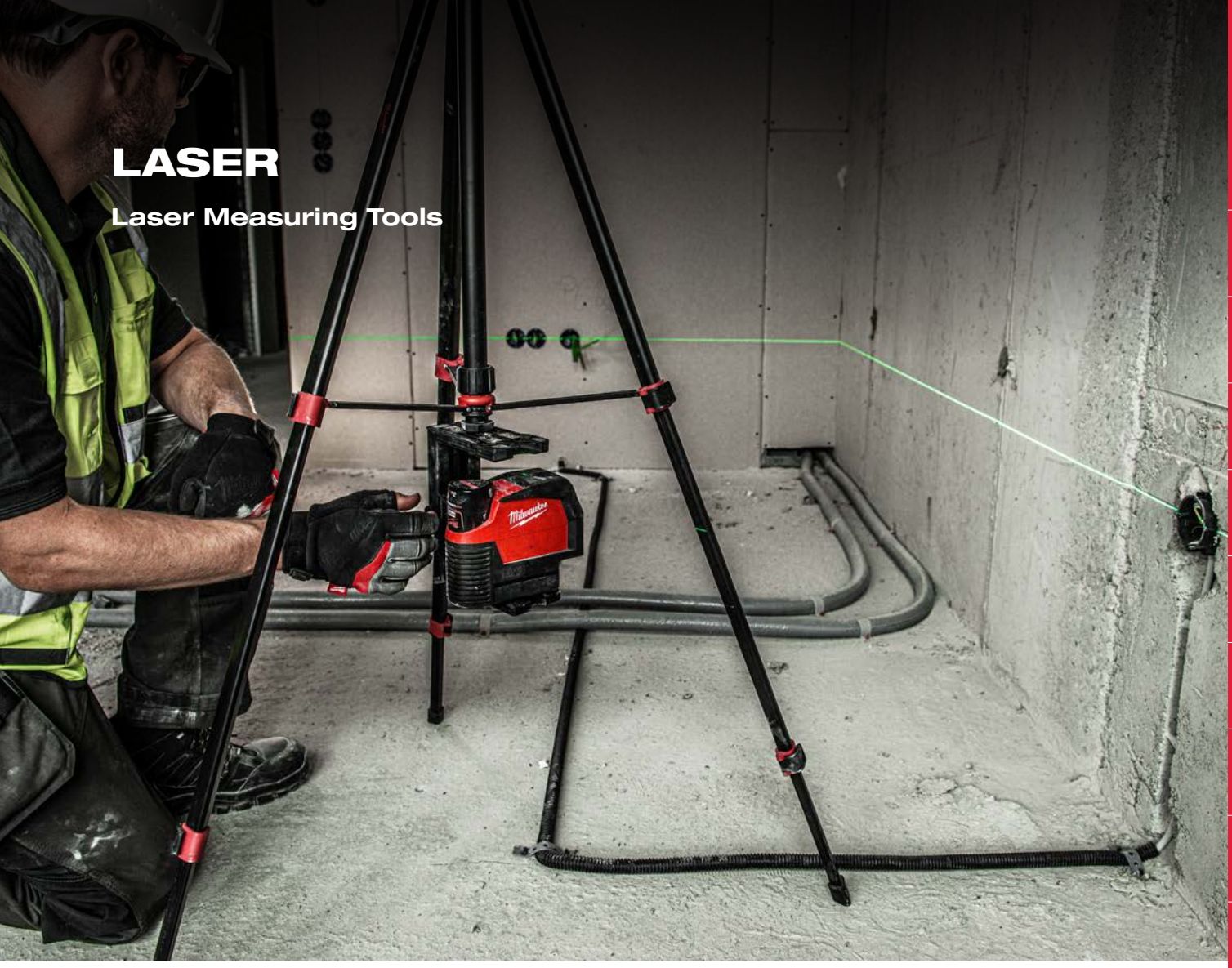
TRUE RMS MULTIMETER
2217-20

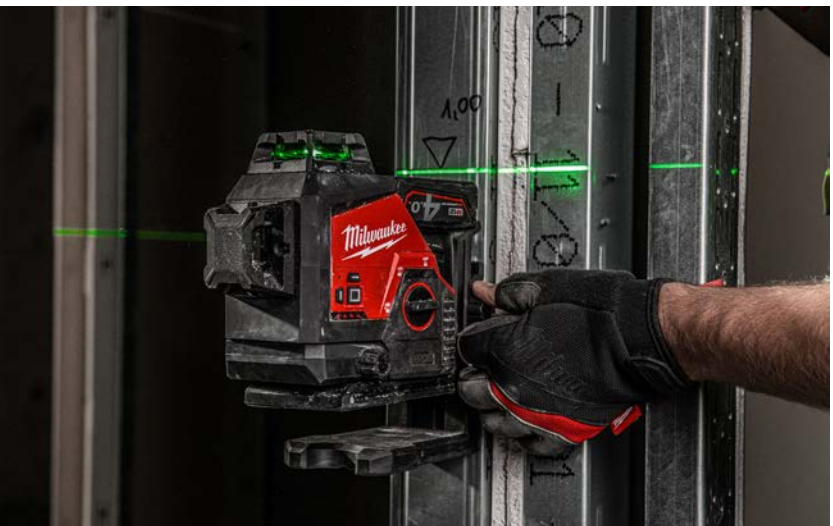
- Up to 600 volts AC/DC
- Hight contrast resolution
- Contact temperature measurement from -40 to 400 °C

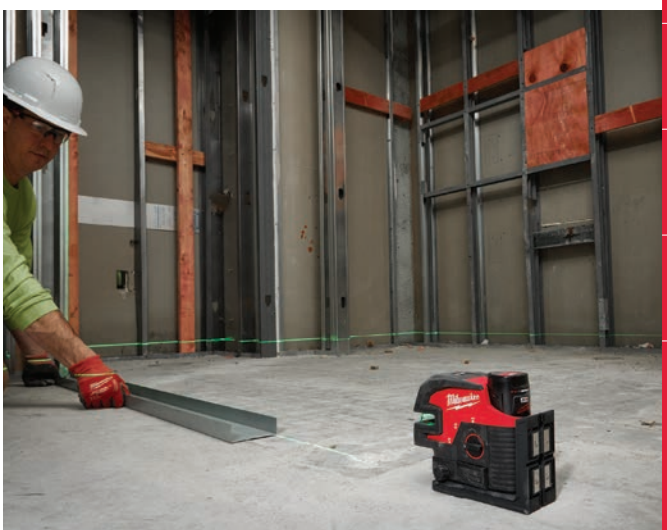
Battery	Alkaline (AA)
Display Type	White on Black LCD
Switch Type	Dial
TRMS	Yes
Current AC DC	10.00A
Voltage AC DC	600V
Frequency	10 Hz - 50 kHz
Resistance	40MΩ
Continuity	Audible
Capacitance	1,000µF
Contact Temperature (°C)	-40 to 400
Backlight	Yes
Bargraph	Yes

LASER

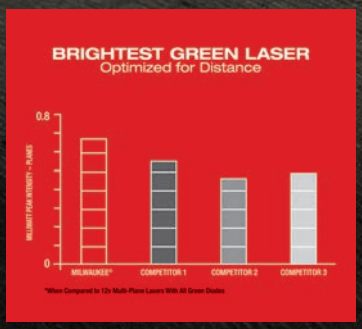
Laser Measuring Tools







GREAT VISIBILITY



HIGH-INTENSITY GREEN LASER
UP TO 38M WORKING RANGE (RADIUS)

ALL DAY RUN TIME

ONE M12 B3 BATTERY PACK = 15+ HOURS OF RUN-TIME

FAST, VERSATILE SETUP

MICRO CONTROL: PROVIDES FASTER ALIGNMENT & SET UP
PIVOTS ON POINT: IMPROVED ACCURACY & EASY ALIGNMENT

M12

LASER MEASURING TOOLS

M12 GREEN CROSS LINE WITH 2 PLUMB POINTS LASER
M12 CLLP-0C ASIA

- High intensity green laser diode for maximised visibility; up to 4x better visibility vs red lasers
- High intensity green beams provide a working range of 38m and up to 100m with a detector
- Water / debris resistant and can withstand up to 1m drops

Voltage (VDC)	12V
Working Range (m)	38
Levelling Accuracy (mm/m)	0.3
Self-Levelling Range	±4°
Laser Class	2
Ingress Protection	IP54
Weight w/ 2Ah Battery Pack (kg)	1.2

M12 GREEN 360° 3-PLANE LASER
M12 3PL-0C ASIA

- High intensity green laser diode for maximised visibility; up to 4x better visibility vs red lasers
- High intensity green beams provide a working range of 38m and up to 100m with a detector
- Water / debris resistant and can withstand up to 1 m drops

Voltage (VDC)	12V
Working Range (m)	38
Levelling Accuracy (mm/m)	0.3
Self-Levelling Range	±4°
Laser Class	2
Ingress Protection	IP54
Weight w/ 4Ah Battery Pack (kg)	1.66

M12 CROSS LINE LASER WITH 4 POINT
M12 CLL4P

- High intensity green laser diode for maximised visibility; up to 4x better visibility vs red lasers
- High intensity green beams provide a working range of 38m and up to 100m with a detector
- Water/ debris resistant and can withstand up to 1 m drops

Voltage (VDC)	12V
Working Range (m)	38
Levelling Accuracy (mm/m)	0.3
Self-Levelling Range	±4°
Laser Class	2
Ingress Protection	IP54
Weight w/ 2Ah Battery Pack (kg)	1.26

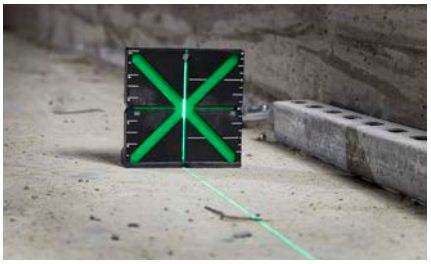
LASER LINE DETECTOR
LLD50

- 50m range
- 1.5mm accuracy
- LED & audio indication

Working Range (m)	50
Measuring Accuracy Fine (mm/m)	+/- 0.08
Measuring Accuracy Coarse (mm/m)	+/- 0.1
Battery Type	LR6 x 2
Weight w/ Battery (kg)	0.28

360° LASER MOUNT
48-35-1311

- Multi-plane rotational adjustment
- Micro control: Precise vertical alignment
- Adjustment lock



TRACK CLIP MOUNT
48-35-1313

- Easy laser alignment, centering groove
- Strong, secure grip
- Integrated screw and nail hang hole

LASER TARGET BOARD
48-35-1111

- High visibility illumination
- Responsive centering
- Alignment wide magnetic base

72" LASER TRIPOD
48-35-1411

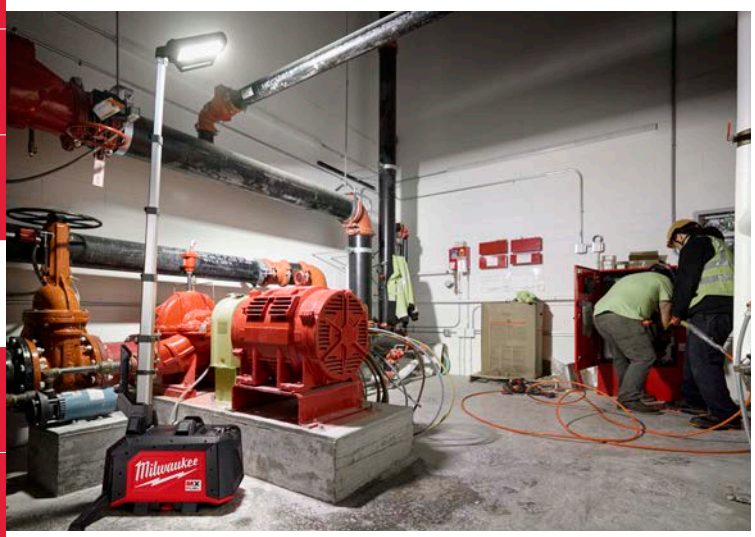
- Bottom mounting point - lowest applications
- Adjustable pan tilt head
- Lightweight & durable alumnium body

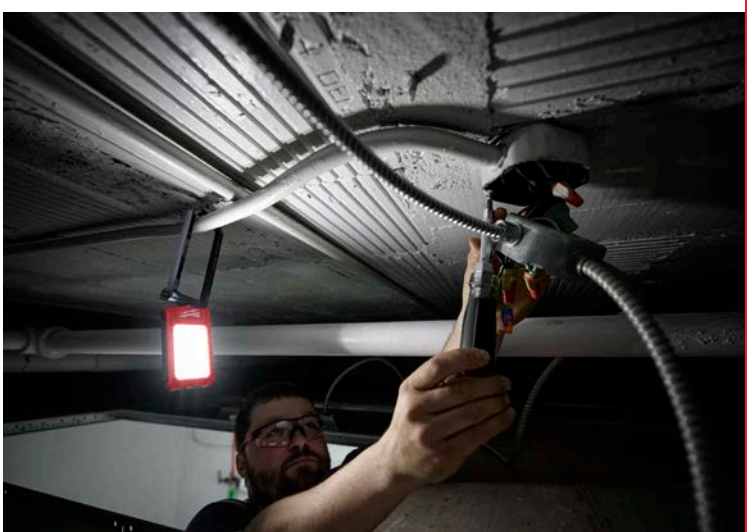
3.6M TELESCOPING LASER POLE
48-35-1511

- Quick release clamp: setup anywhere
- 3.6m extension floor to ceiling set-up
- Spring loaded top section for secure placement

LIGHTING

Personal Lighting, Task Lighting, Area Lighting





LIGHTING APPLICATION TYPES

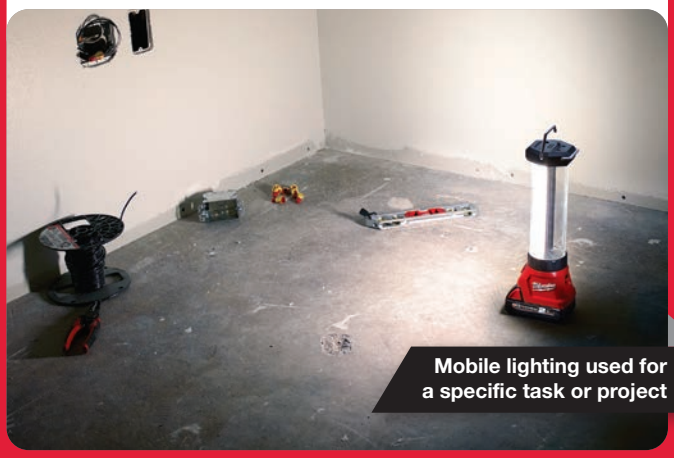
PERSONAL LIGHTING

Extremely compact lights meant to be held or worn on your person

HANDHELD LIGHTING

Handheld lights used for scanning and inspecting

TASK LIGHTING



Mobile lighting used for a specific task or project

AREA LIGHTING

Stationary lighting used to light a full workspace

SPECIALITY LIGHTING

Innovative lights optimized for specific applications

HIGH OUTPUT LIGHTING

ADAPTS. PERFORMS. SURVIVES.

Milwaukee Nothing but HEAVY DUTY.™

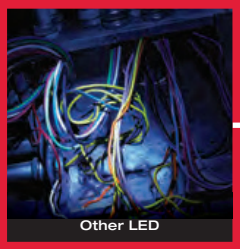
TRUEVIEW™
HIGH OUTPUT LIGHTING

All of Milwaukee's Lighting Solutions Include TRUEVIEW™ Technology

MILWAUKEE™ uses the high quality LEDs and Optics to provide TRUEVIEW™ Lighting that gives users the brightness and clarity without distorting colors. The lights keep a neutral color temperature to provide the accurate and clear lighting environment for any application.

- Halogen Light
- Yellow Color

- Natural Color
- True Representation of Color & Detail



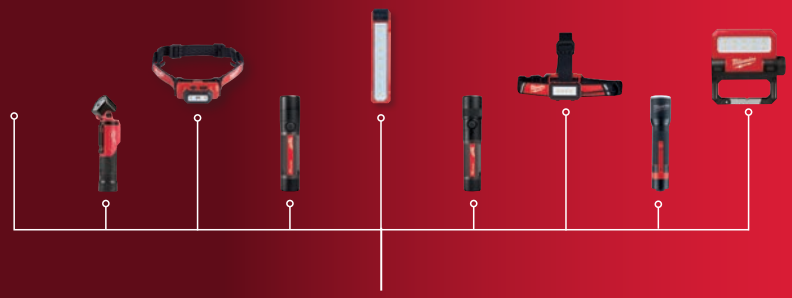
- Blue Tint
- Distorts Color & Detail

WARM

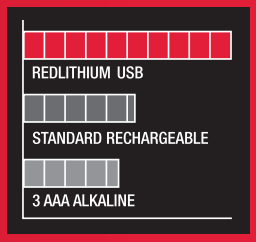
NEUTRAL

COOL

MILWAUKEE™ delivers the industry's first line of trade focused, high performance personal lights designed to **ADAPT, PERFORM AND SURVIVE**. Built to withstand the toughest conditions on and off the jobsite, MILWAUKEE™ lights combine the cordless battery and LED technology delivering convenient, portable solutions that increase productivity and safety.

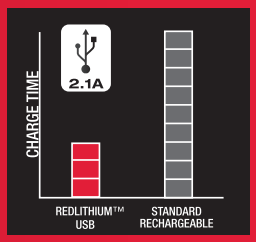


POWERED BY



ALL DAY RUN-TIME*

OVER 2,000 RECHARGES



FASTER CHARGE TIME**

*Dependent on mode selection and based on 10 hour work day

**Compared to 0.5a charge rate

REDLITHIUM USB RECHARGEABLE ACCESSORIES

REDLITHIUM USB BATTERY

L4B2

REDLITHIUM USB CHARGER

L4C

- External Charger for REDLITHIUM USB Battery
- Stores Battery When Not in Use

REDLITHIUM USB CHARGER AND BATTERY STARTER KIT

L4 NRG

CHARGE BATTERY VIA MICRO USB CORD

In Product

-OR-

With Charger

MX FUEL

TOWER LIGHTS

MX FUEL COMPACT TOWER LIGHT
MXF TLIC

- 15,000 Lumens of TRUEVIEW™ high-definition output
- Faster set-up, maximum portability
- 3 Hours on high, plug in for all day use

Voltage	72V
Modes	High / Medium / Low
Output (lumen)	15000 / 8000 / 5000
Runtime (6.0 Ah)	3 hrs / 6 hrs / 10 hrs
Head Rotation	270° x 180°
AC (V)	100 - 240
PACKOUT™ Compatibility	Yes
Max. Height (cm)	229
IP Rating	IP56

MX FUEL TOWER LIGHT
MXF TL

- 27,000 Lumens of High Definition Output in AC Mode and 20,000 Lumens in DC Mode
- Four Multi-directional LED light heads enable users to direct light where needed for task or area lighting

Voltage	72V
Modes	High / Medium / Low
Output (lumen)	AC: 27000 / 14000 / 7000 DC: 20000 / 10000 / 5000
Runtime	3hrs / 6hrs / 10hrs
Max. Height (cm)	310
AC (V)	100 - 240
Intergrated Charging	Yes
IP Rating	IP55

M18

STAND LIGHTS

M18 HIGH OUTPUT STAND AREA LIGHT / CHARGER
M18 HOSALC

- 6,000 Lumens of TRUEVIEW™ High Definition Output
- Up to 10 hours of runtime on M18 8.0Ah battery
- 3 modes to manage output or runtime

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	6000 / 4000 / 1700
Runtime (8.0 Ah)	3.5 hrs / 5 hrs / 10 hrs
Max. Height (cm)	213
Collapsed Height (cm)	122
AC (V)	100-240
Intergrated Charging	Yes
Weight without Battery Pack (kg)	9.6

M18 LED REMOTE STAND LIGHT
M18 ONERSAL

- 5,400 Lumens of TRUEVIEW™ High definition lighting
- Up to 26 hours of runtime (w/ 2 x 9.0Ah)
- IP67 Rated: Waterproof

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	5400 / 3100 / 1600
Runtime (2x9.0 Ah)	7 hrs / 12.5 hrs / 26 hrs
Head Rotation	220° Vertical 220° Horizontal
Max. Height (cm)	165
Collapsed Height (cm)	50
IP Rating	IP67
Weight without Battery Pack (kg)	8.7

M18 LED STAND LIGHT
M18 SAL2

- 2,800 Lumens of TRUEVIEW™ High definition lighting
- Over 13 hours of run-time
- Impact resistant adjustable head

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	2800 / 1300 / 680
Runtime (5.0 Ah)	4.5 hrs / 8.5 hrs / 13.5 hrs
Max. Height (cm)	220
Head Rotation	230° Vertical, 240° Horizontal
IP Rating	IP54

AREA LIGHTS

M18
SERVICE AREA LIGHT
M18 ALIS

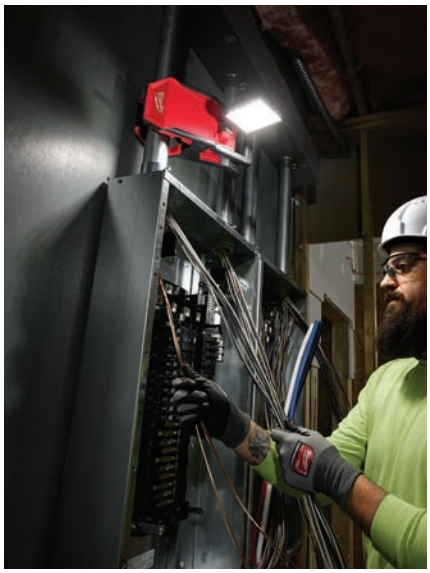
- 1,000 Lumens of TRUEVIEW™ High-Definition Output
- USB-A (12W) & USB-C (27W) charging ports for small devices
- Most compact M18 flood light solution

Voltage	18V
Modes	High / Medium / Low / Extra Low
Output (lumen)	1000 / 500 / 250 / 85
Runtime (5.0 Ah)	12 hrs / 22 hrs / 42 hrs / 110 hrs
Power Out	USB-A (12W) USB-C (27W)
Head Rotation	300° x 180°
Drop Rating	2.7M
Weight without Battery Pack (kg)	1.0

M18
PIVOTING AREA LIGHT
M18 PAL2

- 2,000 Lumens of TRUEVIEW™ High-Definition Output
- Up to 3-inch multi material clamp opening
- Up to 6 hours of run-time on high and 24 hours on low mode with M18 5.0 battery

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	2000 / 1000 / 500
Runtime (5.0 Ah)	6 hrs / 12 hrs / 24 hrs
Head Rotation	355° x 170°
3 Inches Jaw Opening	1" Outer Diameter Pipes 3" Outer Diameter Pipes 2" Thickness Lumber Steel Stud
Weight without Battery Pack (kg)	2.2



M18
MULTI-DIRECTIONAL TASK LIGHT
M18 MDTL

- 4,500 Lumens of TRUEVIEW™ High-Definition Output
- 3 Individual light heads for optimal lighting coverage
- Up to 9 output modes to manage output or run-time

Voltage	18V
Modes	All Lights: High, Medium, Low Outer Lights: High, Medium, Low Middle Light: High, Medium, Low
Output (lumen)	4500 / 2000 / 1,200 3000 / 1300 / 800 1500 / 650 / 400
Runtime (5.0 Ah)	3 hrs / 6 hrs / 11 hrs 4 hrs / 9 hrs / 16 hrs 8 hrs / 18 hrs / 30 hrs
Head Rotation	270° x 270°
AC (V)	100 - 240
Drop Rating	2.7M
Weight without Battery Pack (kg)	3.05

M18
HIGH PERFORMANCE AREA LIGHT
M18 HOAL

- 4,000 Lumens of area and overhead lighting
- Up to 12 hours of runtime
- 120° light head for upwards and downwards lighting

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	4000 / 2000/ 1200
Runtime (5.0 Ah)	3 hrs / 6 hrs / 12 hrs
Head Rotation	120°
AC (V)	100-240
Weight without Battery Pack (kg)	2.6

M18
PACKOUT™ LIGHT / CHARGER
M18 POALC

- 3000 Lumens of TRUEVIEW™ High-Definition Output
- Three individual light heads for task or area lighting
- Nine total output modes to manage output or run-time

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	3000 / 1500 / 1000
Runtime (5.0 Ah)	4 hrs / 8 hrs / 12 hrs
AC (V)	110-240
Intergrated Charging	Yes
Weight without Battery Pack (kg)	5.5

M18
LED LANTERN LIGHT
M18 LL

- 700 Lumens of High Definition Output
- 180° - 360° Adjustable Beam
- 2.1A USB Charger for Cell Phones and Other Electronic Device

Voltage	18V
Modes	High / Medium / Low Strobe
Output (lumen)	700 / 350 / 70 / 700
Runtime (5.0 Ah)	10 hrs / 20 hrs / 100 hrs / 16 hrs
Head Rotation	180° x 360°
USB Charger	2.1A
Hands-free	2 Stainless Steel Hooks
IP Rating	IP54
Weight without Battery Pack (kg)	0.5

M18
LED AREA LIGHT
M18 AL

- 1,500 Lumens of area and overhead lighting
- Up to 10 hours of run-time
- Multiple hanging features

Voltage	18V
Modes	High / Low
Output (lumen)	1500 / 780
Runtime (5.0 Ah)	5 hrs / 10 hrs
Hands-free	Keyhole Hanger, EMT Hanger
Weight without Battery Pack (kg)	1.5

M18
TASK / AREA LIGHT
M18 TAL

- 2,200 Lumens of area and overhead lighting
- Dual function: 360° area lighting, 90° flood lighting
- High impact polycarbonate lens

Voltage	18V
Modes	High / Medium / Low
Output Area Mode (lumen)	2200 / 1100 / 550
Output Flood Mode (lumen)	100 / 500 / 250
Runtime (5.0 Ah)	4 hrs / 8 hrs / 16 hrs
Weight without Battery Pack (kg)	2.5

HANDHELD LIGHTS

M18
LED SEARCH LIGHT
M18 SLED

- 1250 Lumens of High Definition Output
- Over 650m beam distance
- 198° Rotating head

Voltage	18V
Modes	Spot-Flood / Flood / Spot / Strobe
Output (lumen)	1250 / 1200 / 600 / 1200
Runtime (5.0 Ah)	4 hrs / 4 hrs / 7 hrs / 5 hrs
Head Rotation	198°
Beam Distance (m)	650
IP Rating	IP54
Weight without Battery Pack (kg)	0.4

M18
LED TORCH
M18 TLED

- Runs longer
- 135° Rotating head for flexible, focused illumination
- Integrated hook for hanging

Voltage	18V
Modes	High
Output (lumen)	100
Runtime (5.0Ah)	29 hrs
Head Rotation	135°
Hands-free	Integrated Hook
IP Rating	IP54
Weight without Battery Pack (kg)	0.7

AUTOMOTIVE LIGHTING

M18
BOOM LIGHT
M18 ABL

- 2,500 Lumens of TRUEVIEW™ High Definition lighting
- 3 Output modes to manage brightness and runtime
- Up to 4.5 Hours of run-time on HIGH with (1) M18™ 5.0 Battery

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	2500 / 1500 / 1000
Runtime (5.0 Ah)	4.5 hrs / 8.5 hrs / 12 hrs
Head Rotation	300°
Hands-free	Intergrated Magnets

OTHER LIGHTING SOLUTIONS

M18
LED UTILITY LIGHT
M18 UBL

- 2,500 Lumens of High Definition output
- Over 450m beam distance
- IP56 RATED: Waterproof and dustproof

Voltage	18V
Modes	Flood / Spot-Flood / Spot
Output (lumen)	2500 / 2200 / 800
Runtime (5.0 Ah)	4 hrs / 4 hrs / 6 hrs
Head Rotation	180° Vertical 180° Horizontal
Hands-free	Spring-loaded Clamp
Beam Distance (m)	450
IP Rating	IP56
Weight without Battery Pack (kg)	4.8

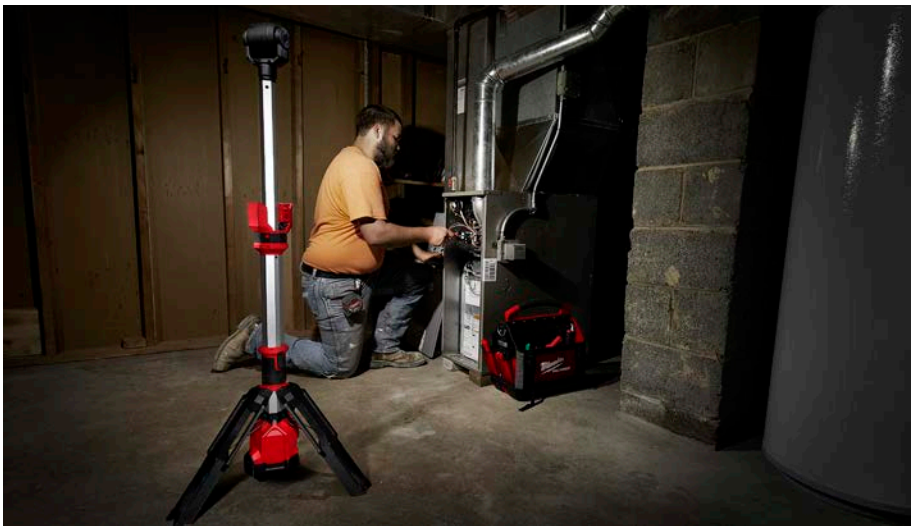
M12

STAND LIGHT

M12
LED STAND LIGHT
M12 SAL

- 1000 Lumens of TRUEVIEW High Definition Output
- Up to 10 hours of runtime
- More portable

Voltage	12V
Modes	High / Low
Output (lumen)	1400 / 700
Runtime (6.0Ah)	4 hrs / 10 hrs
Head Rotation (°)	210 Vertically, 270 Horizontally
Max. Height (cm)	170
Collapsed Height (cm)	80
Weight without Battery Pack (kg)	3.1



AREA LIGHTS

M12 PIVOTING AREA LIGHT WITH USB CHARGING
M12 PAL

- 700 Lumens of TRUEVIEW™ High Definition Output
- 2.1A USB output for device charging
- High strength magnetic mounting in service environments

Voltage	12V
Modes	High / Low
Output (lumen)	700 / 250
Runtime (4.0 Ah)	8 hrs / 24 hrs
USB Charging Output (V/A)	5 / 2.1
IP Rating	IP54
Weight without Battery Pack (kg)	0.3

M12 PACKOUT™ AREA LIGHT
M12 POAL

- 1400 Lumens of TRUEVIEW™ High-Definition Output
- PACKOUT™ Compatible
- Up to 4 hours of run-time on High

Voltage	12V
Modes	High / Medium / Low
Lumens	1400 / 700 / 350
Runtime (6.0Ah)	6 hrs / 9 hrs / 17 hrs
Runtime (4.0Ah)	4 hrs / 7 hrs / 12 hrs

M12 LED LANTERN LIGHT
M12 LL

- 400 / 700 Lumens of High Definition Output
- 180° - 360° Adjustable beam
- 2.1A USB charger for cell phones and other electronic device

Voltage	12V
Modes	High / Medium / Low / Strobe
Output (lumen)	400 / 200 / 40 / 400
Runtime (4.0 Ah)	8 hrs / 15 hrs / 67 hrs / 16 hrs
Head Rotation (°)	180° x 360°
USB Charger	2.1A
Hands-free	2 Stainless Steel Hooks
IP Rating	IP54
Weight without Battery Pack (kg)	0.4

M12 LED AREA LIGHT
M12 AL

- 1000 Lumens of TRUEVIEW™ High Definition Output
- Multiple hanging features
- 3 Light output modes

Voltage	12V
Modes	High / Medium / Low
Output (lumen)	1000 / 400 / 200
Runtime (4.0 Ah)	3.5 hrs / 7.5 hrs / 15 hrs
Hands-free	Integrated Magnets, Spring Loaded Clamp, Key Hole Hanger, Wire Hanger
IP Rating	IP54
Weight without Battery Pack (kg)	1.0

AUTOMOTIVE LIGHTING

M12 LED UNDERHOOD LIGHT
M12 UHL

- 1350 Lumens of High Definition Output
- MILWAUKEE's FINISHGUARD hooks provide lasting protection against scratches to a vehicle"s
- 2X more gripping surface for maximum hold finish

Voltage	12V
Modes	High / Low
Output (lumen)	1350 / 600
Runtime (4.0 Ah)	4 hrs / 8 hrs
Hands-free	FINISHGUARD Hooks, Stainless Steel Hook
IP Rating	IP54
Weight without Battery Pack (kg)	1.1

M12 UNDERCARRIAGE LIGHT
M12 UCL

- 1200 Lumens of TRUEVIEW™ High-Definition Output
- 3 Modes to manage output and run-time

Voltage	12V
Mode	High / Medium / Low
Lumens	1200 / 800 / 600
Runtime (4.0 Ah)	5 hrs / 8 hrs / 15 hrs
Rotation	Vertical 180° Horizontal 300°
Weight without Battery Pack (kg)	1.27

M12 PAINT AND DETAILING COLOR MATCH LIGHT
M12 CML

- 1000 Lumens to illuminate metallics in paint and identify scratches
- 5 Color temperatures for the full spectrum of sunlight
- Up to 14 hours of run-time on (1) M12 REDLITHIUM™ 4.0 Battery

Voltage	12V
Output (lumen)	1000 / 600 / 300
Runtime (4.0Ah)	6 hrs / 8 hrs / 14 hrs
Colot Temp.	5
IP Rating	IP54

HANDHELD LIGHTS

M12 PACKOUT™ SINGLE CLEAT LIGHT
M12 ALIP

NEW

- 360° Light head rotation x up to 180° light head flip° x 180° light head pivot
- Powered by M12™ REDLITHIUM™ Batteries
- Up to 16 hours of run-time on M12™ 4.0 Battery

Voltage	12V
Modes	High / Medium / Low
Output (lumen)	1200 / 600 / 300
Rated Power Input	9W
Runtime (4.0 Ah)	4 hrs / 8 hrs / 16 hrs
Weight without Battery Pack (kg)	0.70

M12 LED SPOTLIGHT
M12 SLED

- 750 Lumens of High Definition Output
- 640m beam distance
- Dual function trigger for momentary or lock-on use

Voltage	12V
Modes	High / Low / Strobe
Output (lumen)	750 / 400 / 750
Runtime (4.0 Ah)	4 hrs / 8 hrs / 8 hrs
Beam Distance (m)	640
IP Rating	IP54
Weight without Battery Pack (kg)	0.6

M12 LED TORCH
M12 TLED

- Runs longer on a single charge
- Designed for impact- and weather-resistant durability
- 90° Rotating head for flexible, focused illumination

Voltage	12V
Modes	High
Output (lumen)	100
Runtime (4.0 Ah)	15 hrs
Head Rotation	90°
Hands-free	Integrated Magnet
IP Rating	IP54
Weight without Battery Pack (kg)	0.4

M12 LED STICK LIGHT
M12 SL

- 220 Lumens with even beam pattern
- Multi-position hook
- Impact and chemical resistant lens

Voltage	12V
Modes	High
Output (lumen)	220
Runtime (4.0 Ah)	11 hrs
Hands-free	Multi-position
Stainless Steel Hook	5
Weight without Battery Pack (kg)	0.2

REDLITHIUM USB RECHARGEABLE

FLOOD LIGHTS

REDLITHIUM USB PERSONAL FLOOD LIGHT
L4 FL

- 445 Lumens of TRUEVIEW™ High Definition Output
- Dual magnet clip for hanging in any orientation
- Impact and chemical resistant lens

Voltage	4V
Modes	High / Low
Output (lumen)	445 / 100
Runtime (3.0Ah)	2.5 hrs / 12.5 hrs
IP Rating	IP52

REDLITHIUM USB FOLDING FLOOD LIGHT
L4 FFL

- 550 Lumens of TRUEVIEW™ High Definition Output
- More versatility
- Folds up compact for easy storage in a pocket

Voltage	4V
Modes	Flood High / Med / Low
Output (lumen)	550 / 250 / 100
Runtime (3.0Ah)	2.5 hrs / 6 hrs / 13.25 hrs
IP Rating	IP54

INTERNAL RECHARGEABLE FOLDING FLOOD LIGHT
IR FFL

- 500 Lumens of TRUEVIEW™ High Definition Output
- Adaptive mounting
- Infinite light head mobility

Voltage	3.8V
Modes	High / Medium / Low
Output (lumen)	500 / 250 / 100
Runtime	4 hrs / 8 hrs / 12 hrs
Head Rotation	360°
Charging Time	4.25 hrs
USB Input	5 V DC, 3 A
IP Rating	IP54

PERSONAL LIGHTING

REDLITHIUM USB STICK LIGHT W/ MAGNET
L4 SL550

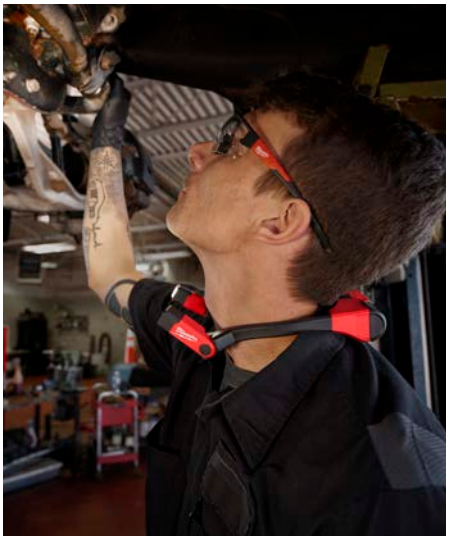
- 550 Lumens of TRUEVIEW™ High-Definition Output
- 2 Hours of run-time on High on (1) RLUSB 3.0 Battery
- 2 Modes to manage output and run-time

Voltage	4V
Modes	High / Low / Spot Mode High / Spot Mode Low
Output (lumen)	550 / 250 / 250 /100
Runtime (3.0Ah)	2 hrs / 4.5 hrs / 2 hrs / 5 hrs
Charger Type	USB-C
Charger Time	120 min
USB-C Input	5V DC, 0.1A- 2.1A
IP Rating	IP52

REDLITHIUM USB NECK LIGHT
L4 NL400

- 400 Lumens of TRUEVIEW™ High-Definition Output
- Up to 8 hours of run-time on (1) RLUSB 3.0 Battery
- Ergonomic, sweat resistant band for increased comfort

Voltage	4V
Modes	High / Low
Output (lumen)	400 / 250
Runtime (3.0Ah)	2.5 / 8 hrs
Charger Type	USB-C
Charger Time	120 min
USB-C Input	5V DC, 0.1A- 2.1A
IP Rating	IP50



FLASHLIGHTS

REDLITHIUM USB PIVOTING WORK LIGHT
L4 PWL

- 500 lumens spot & flood beam of TRUEVIEW™ high-definition output
- Spot & flood beam options in different output modes for optimal brightness
- 110° pivoting head for directing the beam

Voltage	4V
Modes	Spot Beam / Flood High / Flood Low
Output (lumen)	500 / 400 / 100
Runtime (3.0Ah)	3.5 hrs / 3.5 hrs / 11.75 hrs
Beam Distance (m)	155

REDLITHIUM USB TWIST FOCUS FLASHLIGHT 1100 LUMENS
L4 TMLED

- 1100 lumens of high-definition output
- 175m beam distance for seeing at a distance
- Multiple modes to optimize brightness and runtime

Voltage	4V
Modes	High / Medium / Low
Output (lumen)	1100 / 600 / 100
Runtime (3.0Ah)	1.5 hrs / 4 hrs / 12 hrs
IP Rating	IP67
Beam Distance (m)	175

REDLITHIUM USB COMPACT FLASHLIGHT 800 LUMENS
L4 FMLED

- 800 lumens of TRUEVIEW™ high definition flood output
- 150m beam distance for seeing at a distance
- Multiple modes to optimize brightness and runtime

Voltage	4V
Modes	High / Low
Output (lumen)	800 / 100
Runtime (3.0Ah)	2.5 hrs / 10 hrs
IP Rating	IP67
Beam Distance (m)	150

REDLITHIUM USB COMPACT FLASHLIGHT
L4 MLED

- 700 lumens of TRUEVIEW™ high definition output
- IP67 rated: waterproof and dust proof
- Spot-flood sliding beam adjustment

Voltage	4V
Modes	High / Low / Strobe
Output (lumen)	700 / 100 / 700
Runtime (3.0Ah)	4.5 hrs / 16 hrs / 9 hrs
IP Rating	IP67
Beam Distance (m)	155

REDLITHIUM USB SLIDE FOCUS FLASHLIGHT
L4 FL2000

- Up to 2,000 lumen at boost mode
- 200m beam distance for seeing at a distance
- 4 Output modes to optimize brightness and runtime

Voltage	4V
Modes	Boost / High / Medium / Low
Output (lumen)	2000 / 1300 / 800 / 100
Runtime (3.0Ah)	- / 4 hrs / 8 hrs / 24 hrs
Charger Type	USB-C
Charge Time	120 min
USB-C Input	5V DC, 0.1A-2.1A
IP Rating	IP66

HEADLAMPS

REDLITHIUM USB LOW PROFILE HEADLAMP
L4 HLRP

- 600 lumens of high-definition flood output
- Low profile light head for all day comfort
- Wire protection

Voltage	4V
Modes	Flood High / Medium / Low / Eco
Output (lumen)	600 / 350 / 125 / 25
Runtime (3.0Ah)	3 hrs / 7.5 hrs / 13 hrs / 28 hrs
IP Rating	IP54
Beam Distance (m)	100

REDLITHIUM USB HI VISIBILITY HEADLAMP
L4 HLVIS

- 600 lumens of TRUEVIEW™ high-definition output
- 125m beam distance in spot and wide flood mode
- Visible up to 400m

Voltage	4V
Modes	Hybrid / Flood High / Flood Medium / Flood Low / Spot High
Output (lumen)	600 / 400 / 150 / 25 / 400
Runtime (3.0Ah)	2.5 hrs / 4.5 hrs / 8.5 hrs / 22 hrs / 4.5 hrs
Beam Distance (m)	125

REDLITHIUM USB HARD HAT HEADLAMP
L4 HL2

- 600 lumens Of TRUEVIEW™ high-definition output
- Up to 20 hours of run-time
- 180° Of light head mobility for precision light positioning

Voltage	4V
Modes	Hybrid / Spot Low / Spot High / Flood Low / Flood High
Output (lumen)	600 / 100 / 400 / 100 / 400
Runtime (3.0Ah)	2 hrs / 4 hrs / 8 hrs / 20 hrs / 4 hrs
Beam Distance (m)	125

INTERNAL RECHARGEABLES

INTERNAL RECHARGEABLE HEADLAMP 450 LUMENS
IR HL450

- 450 lumens of TRUEVIEW™ high-definition output
- Detachable, magnetic task light
- Multiple modes to manage output and runtime

Voltage	3.7V
Modes	Hybrid / Spot Low / Spot High / Flood Low / Flood High
Output (lumen)	450 / 100 / 250 / 50 / 250
Runtime	2.5 hrs / 8 hrs / 4 hrs / 14 hrs / 4 hrs
Charging Time (h)	2
IP Rating	IP54
Weight (g)	120

INTERNAL RECHARGEABLE PENLIGHT 250 LUMENS
IR PL250

- 250 lumens of TRUEVIEW™ high-definition output
- Faster and more accurate inspections
- IP67 Rated - Dustproof and water resistant

Voltage	3.7V
Modes	High / Low
Output (lumen)	250 / 50
Runtime	1.5 hrs / 8 hrs
Charging Time (h)	2
IP Rating	IP67
Weight (g)	60

INTERNAL RECHARGEABLE FLASHLIGHT 500 LUMENS
IR FL500

- 500 lumens of TRUEVIEW™ high-definition output
- Magnetic attachment for hands-free use and storage
- IP67 Rated - Dustproof and water resistant

Voltage	3.7V
Modes	High / Med / Low
Output (lumen)	500 / 100 / 10
Runtime	3.5 hrs / 16 hrs / 40 hrs
Charging Time (h)	4
IP Rating	IP67
Weight (g)	100

NON RECHARGEABLE

ALKALINE SPOT / FLOOD HEADLAMP
HL-SF

- 450 lumens of TRUEVIEW™ high-definition output
- 100m beam distance in spot mode
- Multiple modes to optimize brightness and runtime

POWERED BY 3 AAA

Modes	Spot / Flood High / Medium / Low / Spot High
Output (lumen)	450 / 350 / 150 / 25 / 350
Runtime (3.0Ah)	2 hrs / 4 hrs / 10 hrs / 26 hrs / 4 hrs
Beam Distance (m)	100

INTRINSICALLY SAFE ALKALINE HEADLAMP
ISHL-LED

- 310 lumens of TRUEVIEW™ high definition output
- Dual lock adhesive rubber and nylon strap
- IP64 Rated - dustproof and water resistant

Voltage	4.5V
Mode	Flood / Spot / Hybrid
Output (lumen)	235 / 155 / 310
Runtime	6 hrs / 8 hrs / 4 hrs
IP Rating	IP64
Weight (g)	150

INSPECTION PEN LIGHT
IPL-LED

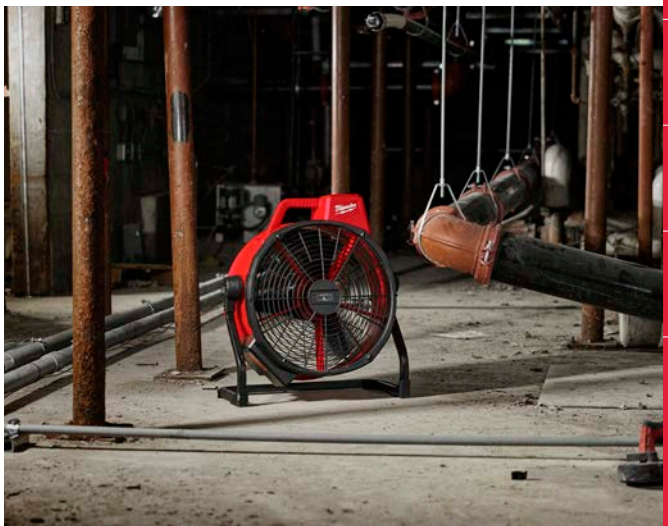
- 100 lumens of high-definition output
- 43m beam distance
- IP67 Rated: waterproof and dustproof

POWERED BY 2 AAA

Modes	High
Output (lumen)	100
Runtime	3 hrs
IP Rating	IP67
Beam Distance (m)	43

SYSTEM ENHANCEMENT

Air Fans, Speakers, Radios



AUDIO

M18
JOBSITE SPEAKER
M18 JSSP

- Full range sound
- Bluetooth 5.3 provides up to 60 meter of range
- Play music through multiple compatible MILWAUKEE™ devices

Voltage	18V
Wattage	44 W
Bluetooth® Version	5.3
Maximum Transmission Range	60 m
Run Time (5.0 Ah)	18 hrs
USB Output	5.0 V / 3 A

M12
JOBSITE SPEAKER WITH PACKOUT™ COMPATIBILITY
M12 SPEJSG2

- Clear portable sound
- Jobsite versaltility
- Updated technology

Voltage	12V
Wattage	30 W
Bluetooth® Version	5.3
Maximum Transmission Range	60 m
Run Time (4.0 Ah)	10 hrs
USB Output	5.0 V / 3 A
PACKOUT™ Compatibilty	Yes

M18
PACKOUT™ RADIO CHARGER
M18 PRC

- Ultimate jobsite sound system
- PACKOUT™ modularity
- Built for jobsites

Voltage	18V
Run Time (5.0Ah)	3 hrs
Wattage	90 W
M18 Battery Charge Current (A)	3.5
USB Charging Output (V/A)	2.1
PACKOUT™ Compatibilty	Yes
Weight (kg)	10.5

M12
RADIO CHARGER
M12 RC

- 2x louder than M12™ cordless radio
- USB 2.1 A output for charging mobile devices
- Most portable solution

Voltage	12V
Run Time (2.0Ah)	10 hrs
Wattage	9.6 W
IP Rating	54
USB Charging Output (V/A)	2.1
Weight (kg)	1.7

AIR FANS

M18
PACKOUT™ AIR FAN
M18 AFG2

- Faster 18V fan
- Brushless motor for increased life
- Easy transportation and connect with PACKOUT™

Voltage	18V
Blade Diameter	177 mm
Max Air Flow (m³/h)	1444
Max. Velocity (m/min)	549
Run Time (5.0 Ah)	19%: 80 hrs 50%: 13.5 hrs 75%: 6.5 hrs 100%: 3 hrs
Rotation	300°
PACKOUT™ Compatibilty	Yes
AC	100–240 V

M18
HIGH VELOCITY AIR FAN
M18 ARFHP

- Corded performance
- Durable and lightweight
- Total mobility & storage

Voltage	18V
Blade Diameter	457 mm
Air Flow I (m³/h)	3058
Air Flow II (m³/h)	4075
Air Flow III (m³/h)	5775
Max. Velocity (m/min)	362
Run Time (5.0Ah)	2 hrs / 5 hrs / 9 hrs
Rotation	360°
AC	100 - 240 V

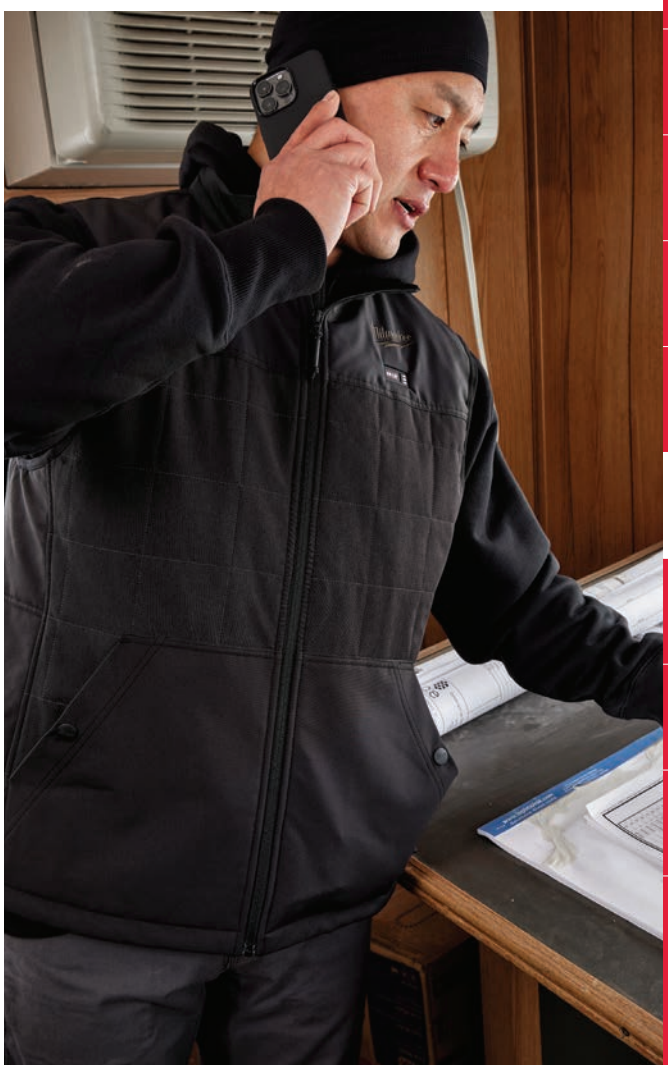
M12
MOUNTING FAN
M12 AF

- Air speed up to 22.5kph
- Adapt to various jobsite environment
- Ergonomic and durable cooling solution

Voltage	12V
Blade Diameter	152 mm
Air Flow I (m³/h)	300
Air Flow II (m³/h)	450
Air Flow III (m³/h)	680
Max. Velocity (m/min)	375
Run Time (3.0Ah)	2 hrs / 5 hrs / 17 hrs
Rotation	360°

JOBSITE APPAREL

Hoodies, Heated Jackets, Heated Vests, Travel Charger & Power Supply



M12

M12 HEATED JACKET BLACK 6
M12 HJBL6

NEW

- HEXON heat technology equipped
- Stays warmer for longer, fastest heat up time, greatest heat coverage
- Durable fleece and warm jersey lining for complete comfort in all conditions

Voltage	12V
Color	Black
Size	S - M - L - XL
Heat Zones	Back, Chest, Front Pockets
Heat Settings	High / Medium / Low
Runtime (h)	3 / 6 / 12

M12 BLACK HEATED PUFFER JACKET
M12 HPJBL2

- Advanced heat technology
- Improved durability & construction
- Up to 12 hours of run-time

Voltage	12V
Color	Black
Size	S - M - L - XL
Heat Zones	Chest, Back, Shoulder
Heat Settings	High / Medium / Low
Body Material	Polyester
Inner Material	Polyester
Runtime (h)	3 / 6 / 12

M12 HEATED PUFFER JACKET BLACK 3
M12 HPJBL3

NEW

- HEXON heat technology equipped
- Stays warmer for longer, fastest heat up time, greatest heat coverage
- Durable fleece and warm jersey lining for complete comfort in all conditions

Voltage	12V
Color	Black
Size	S - M - L - XL
Heat Zones	Back, Chest, Shoulder
Heat Settings	High / Medium / Low
Runtime (h)	3 / 6 / 12

M12 BLACK HEATED PUFFER VEST
M12 HPVBL2

- Advanced heat technology
- Improved durability & construction
- Up to 8 hours of run-time

Voltage	12V
Color	Black
Size	S - M - L - XL
Heat Zones	Chest - Back
Heat Settings	High / Medium / Low
Body Material	Polyester
Inner Material	Polyester
Runtime (h)	2 / 4 / 8

M12 HEATED PUFFER VEST BLACK 3
M12 HPVBL3

NEW

- HEXON heat technology equipped
- Stays warmer for longer, fastest heat up time, greatest heat coverage
- Durable fleece and warm jersey lining for complete comfort in all conditions

Voltage	12V
Color	Black
Size	S - M - L - XL
Heat Zones	Chest, Back
Heat Settings	High / Medium / Low
Runtime (h)	2 / 4 / 8

M12 TRAVEL CHARGER GEN2
M12 TC2

NEW

- 2-In-1 battery and device charging
- Compatible with MILWAUKEE™ heated gear
- Compact size maximizes portability for use on and off the jobsite

Battery System	M12
Power Supply	Yes
Length (mm)	115
Width (mm)	51
Height (mm)	46
Weight (g)	280
Material Composition	Plastic

INTERNAL RECHARGEABLE POWER SUPPLY 3.0AH
IRPSU3

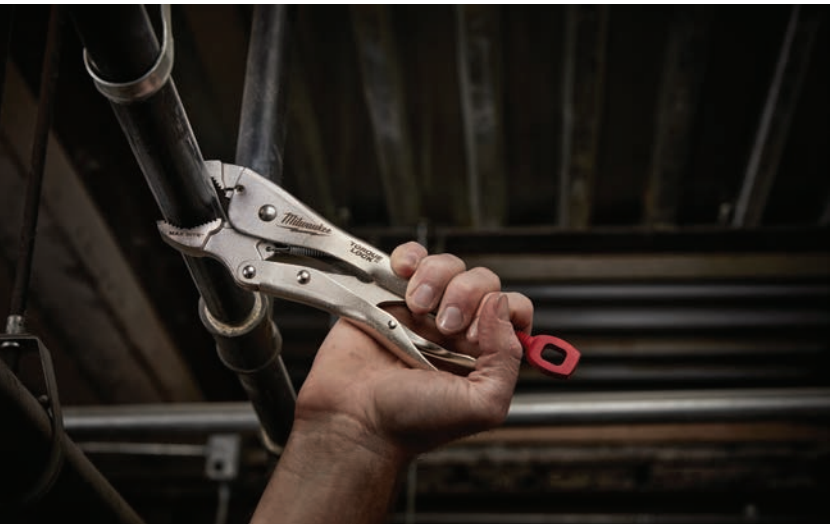
NEW

- Powers all M12™ Heated Gear
- Up to 12 hours run-time with M12™ Heated Gear
- Simultaneously power M12™ Heated Gear while charging a device or the power source

Length (mm)	115
Width (mm)	89
Height (mm)	25
Weight (g)	270
Material Composition	Thermoplastic I VO PC ABS

HAND TOOLS

Tape Measures, Levels, Markers, Pliers, Wrenches, Hex Keys, Ratchets & Sockets, Striking & Struck Tools



TAPE MEASURES

STUD TAPE MEASURES

- High density nylon coating wraps 360° around the blade
- Blade resists tearing from repetitive bending and fast blade retraction
- Fully reinforced body survives 24m drop

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
4932498763	5m STUD Tape Measure	33	4
4932498765	8m STUD Tape Measure	33	4
4932498764	5m/16ft STUD Tape Measure	33	4
4932498766	8m/26ft STUD Tape Measure	33	4
48-22-1436	10m/35ft STUD Tape Measure	33	4

COMPACT MAGNETIC TAPE MEASURES

- 2-Sided printing for easy reading
- Impact-resistant 5-point reinforced frame
- Strong magnetic hook for maximum holding power

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
4932498768	5m Compact Magnetic Tape Measure	30	3.4
4932498770	8m Compact Magnetic Tape Measure	30	3.4
4932498769	5m/16ft Compact Magnetic Tape Measure	30	3.4
4932498771	8m/26ft Compact Magnetic Tape Measure	30	3.4

COMPACT AUTOLOCK TAPE MEASURES

- Impact-resistant 5-point reinforced frame
- Auto-lock easily locks blade in place
- Anti-tear coating for the first 15 cm of the blade for more durability

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
4932498772	5m Compact Autolock Tape Measure	25	2.8
4932498774	8m Compact Autolock Tape Measure	25	2.8
48-22-1817	5m/16ft Compact Autolock Tape Measure	25	2.8
48-22-1826	8m/26ft Compact Autolock Tape Measure	25	2.8

COMPACT TAPE MEASURES

- Impact resistant 5-point reinforced frame
- Finger stop for comfortable hold and finger protection when blade retracts
- Anti-tear coating for the first 15 cm of the blade for more durability

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
4932498778	5m Compact Tape Measure	25	2.8
4932498780	8m Compact Tape Measure	25	2.8

SLIMLINE TAPE MEASURES

- Very compact and improved ergonomic design
- Nylon coated blade protection against debris, dirt and water.
- ABS housing with softgrip rubber gripping area for extra comfort and jobsite durability

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
48227703	3m Slimline Tape Measure	16	2
48227706	5m Slimline Tape Measure	25	2
48227708	8m Slimline Tape Measure	25	2

MAGNETIC TAPE MEASURE WITH LED LIGHT

- 100 lumens LED light, to illuminate up to 3m work area
- Strong magnet at start of the tape allows easy hooking onto flat surfaces and round pipe
- Finger stop for comfortable hold and finger protection when the blades retracts

PART #	DESCRIPTION	BLADE WIDTH (mm)	STANDOUT (m)
4932492469	7.5m Magnetic Tape Measure with LED Light	30	4.5

TAPE MEASURE WITH LED LIGHT

- 19 LUX LED light: helps finding measured spot.
- Nylon lacquer blade protection against debris, dirt and water
- Magnet on the rear side of the tape for attaching to metal tool boxes and other metal surfaces

PART #	DESCRIPTION	BLADE WIDTH (mm)
48226602	3m/10ft Tape Measure with LED Light	21

PREMIUM KEYCHAIN TAPE MEASURE

- 5-point reinforced frame for jobsite durability
- Nylon blade protection for extreme tape durability against dust, dirt and water
- Compact design and over mold gripping area for extra comfort and durability

PART #	DESCRIPTION	BLADE WIDTH (mm)
48-22-1706	2m / 6ft Keychain Tape Measure	13
48-22-5507	2m Keychain Tape Measure	13

FIBERGLASS OPEN REEL LONG TAPES

- GRIME GUARD blade wiper for smoother retraction and to wick away jobsite contamination
- Reinforced 3:1 planetary metal gears won't strip, increasing the life of the tool
- Dual side printing

PART #	DESCRIPTION
48-22-5330	30m/100ft Fiberglass Open Reel Long Tape
48-22-5360	60m/200ft Fiberglass Open Reel Long Tape
48-22-5310	100m/300ft Fiberglass Open Reel Long Tape

OTHER MEASURING TOOLS

COMPOSITE FOLDING RULE

- Locks at 90°/180°
- Angle reference, rust free
- Wear resistant markings

PART #	DESCRIPTION
4932459301	2m Composite Folding Ruler

DIGITAL MEASURING WHEEL

- IP54 backlit LCD screen
- Easy-to-use handle mounted controls
- Save & store up to 4 measurements with memory function

PART #	DESCRIPTION
48-22-5112	12" Digital Measuring Wheel

CHALK REELS AND ACCESSORIES

CHALK AND REELS

- 6:1 retraction ratio for fast line retraction to get the job done faster
- Planetary gear system for increased durability
- Flush handle storage prevents handle movement when not in use

PART #	DESCRIPTION	LINE THICKNESS (mm)
48-22-3980	30m (100ft) Bold Line Chalk Reel	
48-22-3982	30m (100ft) Bold Line Kit w/ Blue Chalk	1.5
48-22-3986	30m (100ft) Bold Line Kit w/ Red Chalk	1.5
48-22-3989	30m (100ft) Bold Replacement Line	1.5
48-22-3990	30m (100ft) Precision Line Chalk Reel	
48-22-3992	30m (100ft) Precision Line Kit w/ Blue Chalk	0.9
48-22-3999	30m (100ft) Precision Replacement Line	0.9

LEVELS

REDSTICK BOX LEVELS

- Reinforced BACKBONE. Strong and durable frame. Reinforced vial retention
- SHARPSITE vial technology improves the readability of the vial
- Shock absorbing end caps protect the frame

PART #	DESCRIPTION	MAGNETIC
4932459061	REDSTICK Box Level 40cm	Yes
4932459063	REDSTICK Box Level 60cm	Yes
4932459065	REDSTICK Box Level 80cm	Yes
4932459067	REDSTICK Box Level 100cm	Yes
4932459069	REDSTICK Box Level 120cm	Yes
4932459071	REDSTICK Box Level 180cm	Yes
4932459073	REDSTICK Box Level 200cm	Yes
4932459075	REDSTICK Box Level 240cm	Yes
4932459060	REDSTICK Box Level 40cm	No
4932459062	REDSTICK Box Level 60cm	No
4932459064	REDSTICK Box Level 80cm	No
4932459066	REDSTICK Box Level 100cm	No
4932459068	REDSTICK Box Level 120cm	No
4932459070	REDSTICK Box Level 180cm	No
4932459072	REDSTICK Box Level 200cm	No
4932459074	REDSTICK Box Level 240cm	No
4932459680	End-caps for REDSTICK Box Level	

REDSTICK COMPACT BOX LEVELS

- SHARPSITE™ vial technology improves the readability of the vial
- Compact and durable frame
- Bottom milled measuring surface provides maximum accuracy

PART #	DESCRIPTION	MAGNETIC
4932459079	REDSTICK Compact Box Level 40cm	Yes
4932459081	REDSTICK Compact Box Level 60cm	Yes
4932459083	REDSTICK Compact Box Level 80cm	Yes
4932459085	REDSTICK Compact Box Level 100cm	Yes
4932459087	REDSTICK Compact Box Level 120cm	Yes
4932459089	REDSTICK Compact Box Level 180cm	Yes
4932459078	REDSTICK Compact Box Level 40cm	No
4932459080	REDSTICK Compact Box Level 60cm	No
4932459082	REDSTICK Compact Box Level 80cm	No
4932459084	REDSTICK Compact Box Level 100cm	No
4932459086	REDSTICK Compact Box Level 120cm	No
4932459088	REDSTICK Compact Box Level 180cm	No
4932459681	End-caps for REDSTICK Compact Box level	

REDSTICK DIGITAL LEVEL W/ PINPOINT MEASUREMENT TECHNOLOGY

- PINPOINT measurement technology provides layers of information to include numeric, graphic, color and audio for advanced readability
- PIN Mode allows user to lock in any target within 360° for replicating measurements or finding a specific measurement
- Powered by REDLITHIUM USB rechargeable battery
- IP65 rated protects against job site debris
- Accurate to: 0°, 90°/0.03° and 1°-89°/0.10°

PART #	DESCRIPTION
4933471978	REDSTICK Digital Level w/ PINPOINT Measurement Technology 60cm
4933471979	REDSTICK Digital Level w/ PINPOINT Measurement Technology 120cm

SLIM BOX LEVELS

- 2 solid acrylic vials. Shockproof and UV resistant.
- Precision milled measuring surface up to 120 cm provides maximum accuracy.
- Accurate to 0.029° (0.0005 "/ in, 0.5mm/ m) in standard position.

PART #	DESCRIPTION	MAGNETIC
4932478897	20cm Slim Box Levels	Yes
4932464854	40cm Slim Box Levels	Yes
4932464855	60cm Slim Box Levels	Yes
4932464856	100 cm Slim Box Levels	Yes
4932464857	180 cm Slim Box Levels	Yes
4932472091	20 cm Slim Box Levels	No
4932459090	40 cm Slim Box Levels	No
4932459091	60 cm Slim Box Levels	No
4932459092	80 cm Slim Box Levels	No
4932459093	100 cm Slim Box Levels	No
4932459094	120 cm Slim Box Levels	No
4932459095	180 cm Slim Box Levels	No
4932459590	200 cm Slim Box Levels	No

I-BEAM LEVELS

- Lightweight reinforced aluminium frame.
- Pitch vial for easy reading of 1 and 2 degree pitch.
- Accurate to 0.029° (0.0005 "/in, 0.5mm/ m) in normal and reverse position.

PART #	DESCRIPTION
MLIBM24	60cm Magnetic I-Beam Level
MLIBM48	120cm Magnetic I-Beam Level
MLIBM78	200cm Magnetic I-Beam Level

REDCAST DIE-CAST LEVELS

- 2 solid acrylic vials. Shockproof and UV resistant.
- 2 heavy duty cast aluminium anvil strike pads for trowel blows during tile work.
- Accurate to 0.029° (0.0005 "/ in, 0.5mm/ m).

PART #	DESCRIPTION
4932459098	60cm Redcast Die-Cast Levels
4932459099	80cm Redcast Die-Cast Levels

360° POCKET LEVEL

- Amplified rare earth magnets for maximum holding power
- 360° adjustable vial for reading angles
- V-groove for leveling on pipes

PART #	DESCRIPTION
4932459597	360° Pocket Level

POCKET LEVEL

- SHARPSITE™ pitch vial for easy reading of 1 and 2 degree pitch
- Amplified rare earth magnets for maximum holding power
- Optimized V-grove design for stability of rounded surfaces

PART #	DESCRIPTION
4932472122	Pocket Level

PIPE LOCK LEVEL

- 270° of vial visibility
- Non-removable thumb screw
- Compact Size

PART #	DESCRIPTION
48-22-5001	Pipe Lock Level

MINI BOX LEVEL

- Lightweight aluminium box profile fits easily into your tool belt or pocket
- Solid acrylic vial. Shockproof and UV resistant vials
- Shockproof end caps

PART #	DESCRIPTION
4932459100	Minibox level

DIGITAL ANGLE GAUGE

- Amplified rare earth magnets for maximum holding power
- IP42 rating protects against water and dust
- 0 to 90° and 0 to 180° measurement ranges

PART #	DESCRIPTION
4932493656	Digital Angle Gauge

TORPEDO LEVEL

- 3 Rare earth magnetic for addition holding power
- High contrast vial surrounds increase visibility
- V-groove working edge fits on pipe and conduit

PART #	DESCRIPTION
48-22-5106	254mm (10") Torpedo Level

BILLET TORPEDO LEVELS

- Maximized viewing area. Easy read slope in 1/8" or 1/4" per foot in either direction. Ensures that the user can make a fast and accurate readings of 1/8" and 1/4" per foot in any position
- Amplified rare earth magnets for maxium holding power
- Laser etched ruled edge for quick measurements on material

PART #	DESCRIPTION
48-22-5107	7" Billet Torpedo Level
48-22-5207	177mm Metric Billet Torpedo Level

BLOCK TORPEDO LEVEL

- SHARPSITE™ vial technology improves the readability of the vial
- Amplified rare earth magnets for maximum holding power
- Locking 360° adjustable vial. Identify and repeat any angle needed on the jobsite. Lock vial in place to keep accuracy in and out of pocket/ pouch

PART #	DESCRIPTION
48-22-5210	254mm (10") Block Torpedo Level

PIPE LOCK BILLET TORPEDO LEVEL

- Impact-resistant vials that display angles of 0°, 30°, 45°, and 90°
- Non-removable thumb screw prevents screw from getting lost
- Amplified rare earth magnets for maxium holding power

PART #	DESCRIPTION
48-22-5110	165mm (6.5") Pipe Lock Billet Torpedo Level

SQUARES

RAFTER SQUARES

- Precision scribe notches for easy marking
- High visibility laser etched markings
- Increased heel width for improved grip

PART #	DESCRIPTION
4932472124	18cm Rafter Square
4932472123	7" Rafter Square
MLSQ1120	30cm Rafter Square
MLSQ0120	12" Rafter Square

FRAMING SQUARES

- Reinforced frame
- Precision scribe notches for easy marking
- High visibility laser etched markings

PART #	DESCRIPTION
4932472126	40 x 60cm Framing Square
4932472125	16" x 24" Framing Square
MLSQ1812	20 x 30cm Framing Square
MLSQ812	8" x 12" Framing Square

INKZALL MARKERS

INKZALL JOBSITE MARKERS

- Stays sharp, doesn't mushroom or push back under pressure
- Marker continues to write after 72+ hours of cap off time
- Can be used on wet, oily, dusty, rusty, with debris surfaces

PART #	DESCRIPTION
48-22-3100	36pc INKZALL Fine Point Black Jobsite Markers
48-22-3102	2pc INKZALL Medium Point Black Jobsite Markers
48-22-3103	1pc INKZALL Chisel Tip Black Jobsite Markers
48-22-3104	4pc INKZALL Fine Point Black Jobsite Markers
48-22-3105	2pc INKZALL Fine Point Black Jobsite Markers
48-22-3106	4pc INKZALL Fine Point Colored Jobsite Markers
48-22-3107	8pc INKZALL Fine Point Colored Jobsite Markers
48-22-3109	4pc INKZALL Chisel Tip Colored Jobsite Markers
48-22-3121	2pc INKZALL Fine Point Silver Jobsite Markers
48-22-3130	36pc INKZALL Chisel Tip Black Jobsite Markers
48-22-3150	12pc INKZALL Ultra Fine Point Black Jobsite Markers
48-22-3154	4pc INKZALL Ultra Fine Point Black Jobsite Markers
48-22-3170	36pc INKZALL Fine Point Red Jobsite Markers
48-22-3180	36pc INKZALL Fine Point Blue Jobsite Markers
48-22-3190	36pc INKZALL Fine Point Green Jobsite Markers

INKZALL JOBSITE HIGHLIGHTERS

- Durable tip stays sharp longer
- No smearing, doesn't bleed through
- Ideal for architectural drawings, labels, office paper

PART #	DESCRIPTION
48-22-3201	5pc INKZALL Chisel Tip Yellow Jobsite Highlighters
48-22-3206	5pc INKZALL Chisel Tip Colored Jobsite Highlighters

INKZALL LIQUID PAINT MARKERS

- Durable acrylic nib for the most demanding environmental conditions: surface temperature from -10° up to + 145°
- 10 seconds dry time
- Water and UV resistant markings

PART #	DESCRIPTION
48-22-3711	12pc INKZALL Medium Point White Liquid Paint Markers
48-22-3712	1pc INKZALL Medium Point White Liquid Paint Markers
48-22-3721	12pc INKZALL Medium Point Yellow Liquid Paint Markers
48-22-3722	1pc INKZALL Medium Point Yellow Liquid Paint Markers
48-22-3731	12pc INKZALL Medium Point Black Liquid Paint Markers
48-22-3741	12pc INKZALL Medium Point Red Liquid Paint Markers
48-22-3751	12pc INKZALL Medium Point Green Liquid Paint Markers
48-22-3761	12pc INKZALL Medium Point Blue Liquid Paint Markers
48-22-3771	12pc INKZALL Medium Point Orange Liquid Paint Markers

INKZALL ULTRA FINE POINT JOBSITE PENS

- Clog resistant
- Precise lines
- Long cap off life

PART #	DESCRIPTION
48-22-3160	12pc INKZALL Ultra Fine Point Black Jobsite Pens
48-22-3161	12pc INKZALL Ultra Fine Point Red Jobsite Pens
48-22-3162	12pc INKZALL Ultra Fine Point Blue Jobsite Pens
48-22-3164	4pc INKZALL Ultra Fine Point Black Jobsite Pens
48-22-3165	4pc INKZALL Ultra Fine Point Colored Jobsite Pens

INKZALL 2IN1 DEEP REACH ULTRA FINE POINT BLACK JOBSITE MARKER

NEW

- 2-in-1 adjustable tip with up to 30mm deep reach
- Built to be resharpen and stay sharp
- Quick dry ink

PART #	DESCRIPTION
48-22-3152	INKZALL 2in1 Deep Reach Ultra Fine Point Black Jobsite Marker

INKZALL DOUBLE SIDED JOBSITE MARKER

NEW

- Stays sharp, doesn't mushroom or push back under pressure
- Marker continues to write after 72+ hours of cap off time
- Can be used on wet, oily, dusty, rusty, with debris surfaces

48-22-3113

48-22-3115

PART #	DESCRIPTION
48-22-3113	INKZALL Double Sided Black Jobsite Marker – Fine Point & Chisel Tip
48-22-3115	INKZALL Double Sided Black Jobsite Marker – Ultra Fine & Fine Point

PLIERS

DIPPED GRIP PLIERS

- Ergonomic handles with dipped grips
- Forged for strength
- Rust protection

48-22-6501

48-22-6508

48-22-6502

48-22-6528

48-22-6500

48-22-6503

4932501153

PART #	DESCRIPTION	
48-22-6501	Long Nose Pliers 203mm - Dipped Grip (8")	
48-22-6508	Diagonal Cutting Pliers 203mm - Dipped Grip (8")	
48-22-6528	Angled Head Diagonal Cutting Pliers 203mm (8")	
48-22-6502	High Leverage Linesman's Pliers 228mm (9")	
48-22-6500	High Leverage Linesman's Pliers with Crimper 228mm (9")	
48-22-6503	High Leverage Linesman's Pliers with Thread Cleaner 228mm (9")	
4932501153	Slip Joint Plier 203mm (8")	NEW

COMFORT GRIP PLIERS

- Comfort grips will not peel or dig into hands during extended use
- Forged for strength
- Rust protection

48-22-6100

48-22-6101

48-22-6106, 48-22-6107, 48-22-6108

48-22-6102

48-22-6104

48-22-6321

48-22-6410

48-22-6407

48-22-6103

48-22-6105

48-22-6128

PART #	DESCRIPTION
48-22-6100	Linesman Pliers 228mm (9")
48-22-6101	Long Nose Pliers 203mm (8")
48-22-6106	Diagonal Cutting Pliers 152mm (6")
48-22-6107	Diagonal Cutting Pliers 177mm (7")
48-22-6108	Diagonal Cutting Pliers 203mm (8")
48-22-6128	Angled Head Diagonal - Comfort Grip 203mm (8")
48-22-6102	Ironworker's Pliers 228mm (9")
48-22-6104	Cable Cutting Pliers 228mm (9")
48-22-6321	VC/Oil Filter Pliers 228mm (9")
48-22-6410	Fencing Pliers 228mm (9")
48-22-6407	Nipping Pliers 177mm (7")
48-22-6103	Crimping Pliers 228mm (9")
48-22-6105	Mini Flush Cutters 127mm (5")

CUSHION GRIP PLIERS

MADE IN USA WITH GLOBAL MATERIALS

- Better leverage: for tough cuts
- Laser hardened edge: longer life
- Smoother open and close

MT550

MT550C

MT550T

MT555

MT556, MT557, MT558

PART #	DESCRIPTION
MT550	Lineman's Comfort Grip Pliers 228mm (9")
MT550C	Lineman's Comfort Grip Pliers w/ Crimper 228mm (9")
MT550T	Lineman's Comfort Grip Pliers w/ Thread Cleaner 228mm (9")
MT555	Long Nose Comfort Grip Pliers 203mm (8")
MT556	Diagonal Comfort Grip Cutting Pliers 152mm (6")
MT557	Diagonal Comfort Grip Cutting Pliers 177mm (7")
MT558	Diagonal Comfort Grip Cutting Pliers 203mm (8")

EGRONOMIC GRIP PLIERS

MADE IN GERMANY

- Precision machined joint for maximum power transmission with optimum leverage
- Grey titanium finish ensures maxiumum corrosion resistance
- Induction hardened cutting edges for easy cut

4932492465, 4932492466

4932492461,4932492462

4932492463

4932492464

PART #	DESCRIPTION
4932492461	165mm (6.5") Combination Plier
4932492462	180mm (7") Combination Plier
4932492463	160mm (6") Diagonal Cutting Plier
4932492464	200mm (8") Heavy Duty Diagonal Cutting Plier
4932492465	205mm (8") Long Nose Plier
4932492466	205mm (8") 45° Long Nose Plier
4932492773	3pc Plier Set (180mm Combination Plier, 205mm Long Nose Plier, 160mm Diagonal Plier)

LONG REACH/ HOSE GRIP PLIERS

- Deep-reach cross handles for increased reach in tight spaces for best access
- Multi-function gripping zones for grabbing a wide variety of materials such as screws, cables and round parts
- Single-joint grip force for more control and better grip compared to double joint

48-22-6540, 48-22-6541, 48-22-6542

48-22-6560, 48-22-6561, 48-22-6562, 48-22-6563

PART #	DESCRIPTION	LENGTH (mm)	TIP ANGLE (°)	HOSE DIAMETER (mm)
48-22-6540	Long Reach Plier - Straight	332	0°	-
48-22-6541	Long Reach Plier - 45	326	45°	-
48-22-6542	2pc Long Reach Pliers Set			
48-22-6560	Small Diameter Hose Grip Pliers	327	-	8
48-22-6561	Medium Diameter Hose Grip Pliers	324	-	12.7
48-22-6562	Large Diameter Hose Grip Pliers	321	-	19
48-22-6563	3pc Hose Grip Pliers Set			

INSULATED COMFORT GRIP PLIERS

- 1000V: Certified to IEC 60900 and ASTM F1505 standards
- Blades are fully forged and hardened for easy cuts
- Ergonomic grip for comfortable handling

48-22-2208

48-22-2209

48-22-2214

PART #	DESCRIPTION
48-22-2208	1000V Insulated Diagonal Cutting Pliers 203mm (8")
48-22-2209	1000V Insulated Lineman's Pliers 228mm (9")
48-22-2214	1000V Insulated 10-20 AWG Wire Stripper & Cutter 203mm (8")
48-22-2215	5pc 1000V Insulated Hand Tools (48-22-2208, 48-22-2209, 48-22-2214, 48-22-2207 (PH2 x 4" and SL1/4" x 4")

INSULATED ERGONOMIC GRIP PLIERS

MADE IN GERMANY

- 1000V: Certified to DIN EN/IEC 60900
- Precision machined joint for maximum power transmission with optimum leverage
- Grey titanium finish ensures maxiumum corrosion resistance

4932464571, 4932464572

4932464562

4932464563

4932464564, 4932464565

4932464566, 4932464567, 4932464568

4932464569, 4932464570

4932464573

4932464574

PART #	DESCRIPTION
4932464571	165mm (6.5") VDE Combination Plier
4932464572	180mm (7") VDE Combination Plier
4932464562	160mm (6") VDE Cable Cutter
4932464563	210mm (8") VDE Cable Cutter
4932464564	205mm (8") VDE Long Round Nose Plier
4932464565	205mm (8") VDE Long 45 deg. Round Nose Pliers
4932464566	145mm (5.5") VDE Diagonal Cutter
4932464567	160mm (6") VDE Diagonal Cutter
4932464568	180mm (7") VDE Diagonal Cutter
4932464569	180mm (7") VDE Heavy Duty Diagonal Cutter
4932464570	200mm (7.5") VDE Heavy Duty Diagonal Cutter
4932464573	160mm (6") VDE Wire Stripping Plier
4932464574	240mm (9.5") VDE Water Pump Plier
4932464575	3pc VDE Plier Set (180mm Combination Plier, 205mm Long Nose Plier, 160mm Diagonal Plier)

SNAP RING PLIERS

- All-metal convertible dial for resistance against wear and prevents reduction in joint integrity
- Easier and quicker internal-external conversion with anti-slip grooved dial
- Slip-resistant grips with double-dipped handles

PART #	DESCRIPTION	LENGTH (mm)	TIP (mm)	TIP ANGLE (°)
48-22-6530	Small Snap Ring Pliers - 18°	154	0.9	18°
48-22-6531	Small Snap Ring Pliers - 45°	152	0.9	45°
48-22-6532	Small Snap Ring Pliers - 90°	147	0.9	90°
48-22-6533	Meduim Snap Ring Pliers - 18°	154	1.2	18°
48-22-6534	Meduim Snap Ring Pliers - 45°	152	1.2	45°
48-22-6535	Meduim Snap Ring Pliers - 90°	147	1.2	90°
48-22-6536	Large Snap Ring Pliers - 18°	188	1.8	18°
48-22-6537	Large Snap Ring Pliers - 45°	186	1.8	45°
48-22-6538	Large Snap Ring Pliers - 90°	179	1.8	90°
48-22-6539	9pc Snap Ring Pliers Set			

WIRE STRIPPERS/ COMBINATION PLIERS

- Reinforced Head: Accurate Stripping
- High Contrast Marking
- Smooth Cuts

48-22-3079

4932478554

48-22-3043, 48-22-3044

48-22-6109, 48-22-3050

48-22-3052

48-22-6579

48-22-3080

PART #	DESCRIPTION	WIRE STRIPPER	GRIP
48-22-3079	6-in-1 Combination Pliers	8-18 AWG Solid, 10-20 AWG Stranded	Comfort
4932478554	7-in-1 High Leverage Combination Pliers	10-20 AWG Solid, 12-22 AWG Stranded	Comfort
48-22-3043	Compact Dipped Grip Wire Stripper	10-22 AWG Solid, 12-24 AWG Stranded	Dipped
48-22-3044	Compact Comfort Grip Wire Stripper	10-12 AWG Solid, 12-24 AWG Stranded	Comfort
48-22-6109	Wire Stripper/Cutter For Solid & Stranded Wire	10-18 AWG Solid, 12-20 AWG Stranded	Dipped
48-22-3050	General Purpose Wire Stripper & Cutter	10-18 AWG Solid, 12-20 AWG Stranded	Comfort
48-22-3052	Multi-Purpose Wire Stripper & Crimper w/ Reinforced Head	10-26 AWG Solid, 12-28 AWG Stranded	Dipped
48-22-6579	Multi Purpose Wire Stripper w/ Crimper	10-20 AWG Solid, 12-22 AWG Stranded	Dipped
48-22-3080	Low Voltage Wire Stripper & Cutter	20-30 AWG Solid, 22-32 AWG Stranded	Dipped

PLIERS

HEX/ STRAIGHT JAW PLIERS

- Slim-design head for better access in tight applications
- All-metal quick adjust mechanism allows precise fits on bolts
- Exposed metal handles for reaming and punching

PART #	DESCRIPTION	JAW	GRIP
48-22-6208	Hex Jaw Pliers 203mm (8")		Comfort
48-22-6210	Hex Jaw Pliers 254mm (10")		Comfort
48-22-6212	Hex Jaw Pliers 304mm (12")		Comfort
48-22-6306	Straight Jaw Pliers 152mm (6")	Serrated	Comfort
48-22-6310	Straight Jaw Pliers 254mm (10")	Serrated	Comfort
48-22-6312	Straight Jaw Pliers 304mm (12")	Serrated	Comfort
48-22-6316	Straight Jaw Pliers 406mm (16")	Serrated	Comfort
48-22-6320	Straight Jaw Pliers 508mm (20")	Serrated	Comfort
48-22-6330	2pc Straight Jaw Pliers Set (152mm, 254mm)	Serrated	Comfort
48-22-6510	Straight Jaw Pliers 254mm (10")	Serrated	Dipped
48-22-6512	Straight Jaw Pliers 304mm (12")	Serrated	Dipped
48-22-6550	Straight Jaw Pliers 254mm (10")	Smooth	Dipped
48-22-6552	Straight Jaw Pliers 304mm (12")	Smooth	Dipped

NEW

PLIERS WRENCHES

NEW

- One-handed control and quick adjustments
- Enables fast ratcheting action, allowing for smooth, continuous adjustments without removing the wrench from the fastener to reset
- Wide jaw range at all positions, reducing the time users spend adjusting sizes to fit fasteners

PART #	DESCRIPTION
4932501148	Pliers Wrench 127mm (5")
4932501149	Pliers Wrench 177mm (7")
4932501150	Pliers Wrench 254mm (10")
4932501151	Pliers Wrench 304mm (12")
4932501152	2pc Pliers Wrench (7') (10")

TORQUE LOCK LOCKING CLAMPS

- Faster set up and easy release when clamping flat and round materials for welding
- TORQUE LOCK screw for better and more secure grip
- Chrome plated tool reduce corrosion

48-22-3521, 48-22-3522

48-22-3531, 48-22-3532

PART #	DESCRIPTION
48-22-3521	TORQUE LOCK Locking C-Clamp Swivel Jaws 280mm (11")
48-22-3522	TORQUE LOCK Locking C-Clamp Swivel Jaws 152mm (6")
48-22-3531	TORQUE LOCK Locking C-Clamp Regular Jaws 280mm (11")
48-22-3532	TORQUE LOCK Locking C-Clamp Regular Jaws 152mm (6")

TORQUE LOCK LOCKING PLIERS

- Faster set up and easy release when clamping flat and round materials for welding
- TORQUE LOCK screw for better and more secure grip
- Chrome plated tool reduce corrosion

48-22-3405, 48-22-3407, 48-22-3410

48-22-3423, 48-22-3422, 48-22-3421, 48-22-3420

48-22-3406, 48-22-3409

48-22-3504, 48-22-3506, 48-22-3509

48-22-3807, 48-22-3810

48-22-3507, 48-22-3510

48-22-3607, 48-22-3610

48-22-3707, 48-22-3710

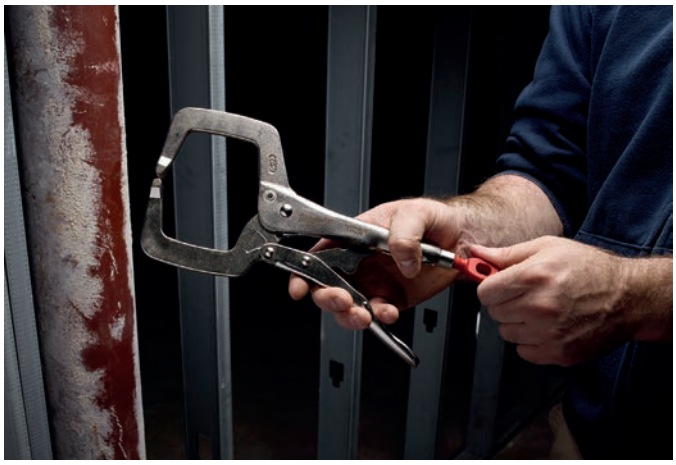
48-22-3540

48-22-3541

48-22-3542

48-22-3543

PART #	DESCRIPTION
48-22-3405	TORQUE LOCK Curved Jaw Locking Pliers with Durable Grip 127mm (5")
48-22-3407	TORQUE LOCK Curved Jaw Locking Pliers with Durable Grip 177mm (7")
48-22-3410	TORQUE LOCK Curved Jaw Locking Pliers with Durable Grip 254mm (10")
48-22-3423	TORQUE LOCK Curved Jaw Locking Pliers 101mm (4")
48-22-3422	TORQUE LOCK Curved Jaw Locking Pliers 127mm (5")
48-22-3421	TORQUE LOCK Curved Jaw Locking Pliers 177mm (7")
48-22-3420	TORQUE LOCK Curved Jaw Locking Pliers 254mm (10")
48-22-3406	TORQUE LOCK Long Nose Locking Pliers with Durable Grip 152mm (6")
48-22-3409	TORQUE LOCK Long Nose Locking Pliers with Durable Grip 228mm (9")
48-22-3504	TORQUE LOCK Long Nose Locking Pliers 101mm (4")
48-22-3506	TORQUE LOCK Long Nose Locking Pliers 152mm (6")
48-22-3509	TORQUE LOCK Long Nose Locking Pliers 128mm (9")
48-22-3807	TORQUE LOCK Straight Jaw Locking Pliers with Durable Grip 177mm (7")
48-22-3810	TORQUE LOCK Straight Jaw Locking Pliers with Durable Grip 254mm (10")
48-22-3507	TORQUE LOCK Straight Jaw Locking Pliers 177mm (7")
48-22-3510	TORQUE LOCK Straight Jaw Locking Pliers 254mm (10")
48-22-3607	TORQUE LOCK MAXBITE Curved Jaw Locking Pliers 177mm (7")
48-22-3610	TORQUE LOCK MAXBITE Curved Jaw Locking Pliers 254mm (10")
48-22-3707	TORQUE LOCK MAXBITE Curved Jaw Locking Pliers with Durable Grip 177mm (7")
48-22-3710	TORQUE LOCK MAXBITE Curved Jaw Locking Pliers with Durable Grip 254mm (10")
48-22-3540	TORQUE LOCK Locking Seamer 203mm (8")
48-22-3541	TORQUE LOCK Large Jaw Locking Pliers 304mm (12")
48-22-3542	TORQUE LOCK Chain Wrench 270mm (9")
48-22-3543	TORQUE LOCK Locking Welder's Clamp 270mm (9")



WRENCHES

PIPE WRENCHES

STEEL PIPE WRENCH

ALUMINUM PIPE WRENCH

- Overbite jaw for secure grip on pipes and fittings
- Dual coil springs for maximum durability and tool life
- Hardened jaws for increased durability and better grip

PART #	DESCRIPTION	TOTAL LENGTH (mm)	JAW CAPACITY (mm)	MATERIALS
48-22-7106	Steel Pipe Wrench (6")	152	19	Steel
48-22-7110	Steel Pipe Wrench (10")	250	38	Steel
48-22-7112	Steel Pipe Wrench (12")	300	51	Steel
48-22-7114	Steel Pipe Wrench (14")	350	51	Steel
48-22-7118	Steel Pipe Wrench (18")	450	63	Steel
48-22-7210	Aluminum Pipe Wrench (10")	250	38	Aluminum
48-22-7212	Aluminum Pipe Wrench (12")	300	51	Aluminum
48-22-7214	Aluminum Pipe Wrench (14")	350	51	Aluminum
48-22-7218	Aluminum Pipe Wrench (18")	450	63	Aluminum
48-22-7224	Aluminum Pipe Wrench (24")	600	76	Aluminum

CHEATER PIPE WRENCHES

- All in one adjustable sliding handle design
- Removable handle for access to tight spaces
- Overbite jaw for secure grip on pipes and fittings

48-22-7314

48-22-7318

48-22-7322

PART #	DESCRIPTION	TOTAL LENGTH (mm)	JAW CAPACITY (mm)	MATERIALS
48-22-7314	CHEATER Pipe Wrench	250/450/600	63	Steel
48-22-7318	CHEATER Aluminum Adaptable Pipe Wrench	280-600	63	Aluminum
48-22-7322	CHEATER Aluminum Offset Adaptable Pipe Wrench	330-600	63	Aluminum

POWERLENGTH PIPE WRENCHES

- POWERLENGTH handle provide maximum leverage
- Dual coil springs for maximum durability and tool life
- Hardened jaws for increased durability and better grip

PART #	DESCRIPTION	TOTAL LENGTH (mm)	JAW CAPACITY (mm)	MATERIALS
48-22-7213	10L Aluminum Pipe w/ Powerlength Handle	450	38	Aluminum
48-22-7215	14L Aluminum Pipe w/ Powerlength Handle	500	51	Aluminum

SELF-ADJUSTING PIPE WRENCHES

- Slim head design provide better access in tight application
- Large thumb trigger provides easy one-handed use
- Quick self-setting adjustment on various pipes

PART #	DESCRIPTION	TOTAL LENGTH (mm)	JAW CAPACITY (mm)	MATERIALS
48-22-7414	14" Aluminum Self-Adjusting Pipe Wrench	51	9.5-50	Aluminum
48-22-7418	18" Aluminum Self-Adjusting Pipe Wrench	63	19-63.5	Aluminum

ADJUSTABLE WRENCHES

- Precision adjustment screw with accurate threads and tight tolerances. The jaws won't back off during use
- Chrome plating for rust protection and increased durability
- Slim head design for reaching into tight spaces

PART #	DESCRIPTION	TOTAL LENGTH (mm)	JAW CAPACITY (mm)
48-22-7406	Adjustable Wrench (6")	150	24.5
48-22-7408	Adjustable Wrench (8")	200	30
48-22-7508	Wide Jaw Adjustable Wrench (8")	200	40
48-22-7410	Adjustable Wrench (10")	250	36.5
48-22-7412	Adjustable Wrench (12")	300	42.5
48-22-7415	Adjustable Wrench (15")	380	46
48-22-7400	2pc. Adjustable Wrench Set (6") (10")	150,250	24.5, 36.5

FAUCET WRENCH

- Slim and long handle provides the best reach for mounting hardware underneath faucets
- Reinforced construction of the handle allows for more swap-out completions
- Securely fit mounting nuts for easy removal and maximum efficiency

PART #	DESCRIPTION
48-22-7100	Faucet Wrench (7/16", 5/8", 3/4", 7/8",15/16" Hex Nut)

COMBINATION WRENCHES

MAX BITE™ COMBINATION WRENCHES

- Slim head dimensions for access in tight areas.
- Chrome finish for corrosion and rust resistance.
- Sets come in a durable pouch

PART #	DESCRIPTION
45-96-9506	MAX BITE™ Combination Wrench - 6mm
45-96-9507	MAX BITE™ Combination Wrench - 7mm
45-96-9508	MAX BITE™ Combination Wrench - 8mm
45-96-9509	MAX BITE™ Combination Wrench - 9mm
45-96-9510	MAX BITE™ Combination Wrench - 10mm
45-96-9511	MAX BITE™ Combination Wrench - 11mm
45-96-9512	MAX BITE™ Combination Wrench - 12mm
45-96-9513	MAX BITE™ Combination Wrench - 13mm
45-96-9514	MAX BITE™ Combination Wrench - 14mm
45-96-9515	MAX BITE™ Combination Wrench - 15mm
45-96-9516	MAX BITE™ Combination Wrench - 16mm
45-96-9517	MAX BITE™ Combination Wrench - 17mm
45-96-9518	MAX BITE™ Combination Wrench - 18mm
45-96-9519	MAX BITE™ Combination Wrench - 19mm
45-96-9520	MAX BITE™ Combination Wrench - 20mm
45-96-9521	MAX BITE™ Combination Wrench - 21mm
45-96-9522	MAX BITE™ Combination Wrench - 22mm
45-96-9523	MAX BITE™ Combination Wrench - 23mm
45-96-9524	MAX BITE™ Combination Wrench - 24mm
45-96-9525	MAX BITE™ Combination Wrench - 25mm
45-96-9526	MAX BITE™ Combination Wrench - 26mm
45-96-9527	MAX BITE™ Combination Wrench - 27mm
45-96-9528	MAX BITE™ Combination Wrench - 28mm
45-96-9529	MAX BITE™ Combination Wrench - 29mm
45-96-9530	MAX BITE™ Combination Wrench - 30mm
45-96-9532	MAX BITE™ Combination Wrench - 32mm
45-96-9536	MAX BITE™ Combination Wrench - 36mm

COMBINATION WRENCH SETS

- Rounded I-Beam handle for comfortable handling grip
- Ink-filled labels for better visibility
- 15° offset box for better accessibility

PART #	DESCRIPTION
48-22-9407	7pc SAE Combination Wrench Set (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
48-22-9507	7pc Metric Combination Wrench Set (8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm)
48-22-9411	11pc SAE Combination Wrench Set (1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8")
48-22-9511	11pc Metric Combination Wrench Set (8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm)
48-22-9415	15pc SAE Combination Wrench Set (1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1")
48-22-9515	15pc Metric Combination Wrench Set (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm)

MAX BITE™ RATCHETING COMBINATION WRENCHES

- Slim head dimensions for access in tight areas.
- Chrome finish for corrosion and rust resistance.
- Sets come in a durable pouch

PART #	DESCRIPTION
45-96-9306	MAX BITE™ Ratcheting Combination Wrench - 6mm
45-96-9307	MAX BITE™ Ratcheting Combination Wrench - 7mm
45-96-9308	MAX BITE™ Ratcheting Combination Wrench - 8mm
45-96-9309	MAX BITE™ Ratcheting Combination Wrench - 9mm
45-96-9310	MAX BITE™ Ratcheting Combination Wrench - 10mm
45-96-9311	MAX BITE™ Ratcheting Combination Wrench - 11mm
45-96-9312	MAX BITE™ Ratcheting Combination Wrench - 12mm
45-96-9313	MAX BITE™ Ratcheting Combination Wrench - 13mm
45-96-9314	MAX BITE™ Ratcheting Combination Wrench - 14mm
45-96-9315	MAX BITE™ Ratcheting Combination Wrench - 15mm
45-96-9316	MAX BITE™ Ratcheting Combination Wrench - 16mm
45-96-9317	MAX BITE™ Ratcheting Combination Wrench - 17mm
45-96-9318	MAX BITE™ Ratcheting Combination Wrench - 18mm
45-96-9319	MAX BITE™ Ratcheting Combination Wrench - 19mm
45-96-9320	MAX BITE™ Ratcheting Combination Wrench - 20mm
45-96-9321	MAX BITE™ Ratcheting Combination Wrench - 21mm
45-96-9322	MAX BITE™ Ratcheting Combination Wrench - 22mm
45-96-9324	MAX BITE™ Ratcheting Combination Wrench - 24mm
45-96-9325	MAX BITE™ Ratcheting Combination Wrench - 25mm
45-96-9327	MAX BITE™ Ratcheting Combination Wrench - 27mm
45-96-9330	MAX BITE™ Ratcheting Combination Wrench - 30mm
45-96-9332	MAX BITE™ Ratcheting Combination Wrench - 32mm

RATCHETING COMBINATION WRENCH SETS

- 144 Ratcheting teeth positions giving 2.5° arc swing allowing access in tighter spaces
- Rounded I-Beam handle for comfortable handling grip
- Ink-filled labels for better visibility

PART #	DESCRIPTION
48-22-9406	7pc SAE Ratcheting Combination Wrench Set (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
48-22-9506	7pc Metric Ratcheting Combination Wrench Set (8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm)
48-22-9416	15pc SAE Ratcheting Combination Wrench Set (1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1")
48-22-9516	15pc Metric Ratcheting Combination Wrench Set (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm)

FLEX HEAD RATCHETING COMBINATION WRENCHES

- 144 Ratcheting teeth positions giving 2.5° arc swing
- 180 ° pivoting head for greater access to tight spaces
- Ink-filled labels for better visibility.

PART #	DESCRIPTION
45-96-9608	MAX BITE™ Flex Head Ratcheting Combination Wrench - 8mm
45-96-9609	MAX BITE™ Flex Head Ratcheting Combination Wrench - 9mm
45-96-9610	MAX BITE™ Flex Head Ratcheting Combination Wrench - 10mm
45-96-9611	MAX BITE™ Flex Head Ratcheting Combination Wrench - 11mm
45-96-9612	MAX BITE™ Flex Head Ratcheting Combination Wrench - 12mm
45-96-9613	MAX BITE™ Flex Head Ratcheting Combination Wrench - 13mm
45-96-9614	MAX BITE™ Flex Head Ratcheting Combination Wrench - 14mm
45-96-9615	MAX BITE™ Flex Head Ratcheting Combination Wrench - 15mm
45-96-9616	MAX BITE™ Flex Head Ratcheting Combination Wrench - 16mm
45-96-9617	MAX BITE™ Flex Head Ratcheting Combination Wrench - 17mm
45-96-9618	MAX BITE™ Flex Head Ratcheting Combination Wrench - 18mm
45-96-9619	MAX BITE™ Flex Head Ratcheting Combination Wrench - 19mm
45-96-9620	MAX BITE™ Flex Head Ratcheting Combination Wrench - 20mm
45-96-9621	MAX BITE™ Flex Head Ratcheting Combination Wrench - 21mm
45-96-9622	MAX BITE™ Flex Head Ratcheting Combination Wrench - 22mm
45-96-9624	MAX BITE™ Flex Head Ratcheting Combination Wrench - 24mm

FLEX HEAD RATCHETING COMBINATION WRENCH SETS

- 180° pivoting head for greater access to tight spaces
- 144 Ratcheting teeth positions giving 2.5° arc swing allowing access in tighter spaces
- Chrome alloy steel, chrome plated

PART #	DESCRIPTION
48-22-9429	7pc SAE Flex Head Ratcheting Combination Wrench Set (3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4")
48-22-9529	7pc Metric Flex Head Ratcheting Combination Wrench Set (8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm)
48-22-9413	15pc SAE Flex Head Ratcheting Combination Wrench Set (1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1")
48-22-9513	15pc Metric Flex Head Ratcheting Combination Wrench Set (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm)

FLARE NUT WRENCH

NEW

- Optimized head geometry for secure grip on fasteners to reduce rounding of nuts
- Ink-filled size labels for easy and quick size identification
- 15°angled heads for better access

PART #	DESCRIPTION
4932480626	Flare Nut Wrench - 8x10mm
4932480575	Flare Nut Wrench - 9x11mm
4932480627	Flare Nut Wrench - 10x11mm
4932480576	Flare Nut Wrench - 10x12mm
4932480629	Flare Nut Wrench - 12x14mm
4932480577	Flare Nut Wrench - 13x14mm
4932480630	Flare Nut Wrench - 14x17mm
4932480631	Flare Nut Wrench - 17x19mm
4932480632	Flare Nut Wrench - 19x22mm

DOUBLE OPEN END WRENCHES

- Slim head dimensions for access in tight areas.
- Ink-filled size labels for easy and quick size identification.
- Chrome finish for corrosion and rust resistance.

PART #	DESCRIPTION
4932492715	Double Open End Wrench - 4x5mm
4932492716	Double Open End Wrench - 6x7mm
4932492717	Double Open End Wrench - 8x9mm
4932492718	Double Open End Wrench - 8x10mm
4932492719	Double Open End Wrench - 10x11mm
4932492720	Double Open End Wrench - 10x13mm
4932492722	Double Open End Wrench - 12x14mm
4932492723	Double Open End Wrench - 13x17mm
4932492724	Double Open End Wrench - 14x15mm
4932492725	Double Open End Wrench - 16x17mm
4932492726	Double Open End Wrench - 17x19mm
4932492727	Double Open End Wrench - 18x19mm
4932492729	Double Open End Wrench - 21x23mm
4932492730	Double Open End Wrench - 22x24mm
4932493258	Double Open End Wrench - 24x26mm
4932492731	Double Open End Wrench - 24x27mm
4932492732	Double Open End Wrench - 25x28mm
4932492733	Double Open End Wrench - 27x29mm
4932492734	Double Open End Wrench - 30x32mm
4932492735	Double Open End Wrench - 34x36mm
4932492736	Double Open End Wrench - 36x41mm

DOUBLE OPEN END WRENCH SETS

- Slim head dimensions for access in tight areas.
- Chrome finish for corrosion and rust resistance.
- Sets come in a durable pouch

PART #	DESCRIPTION
4932492713	7 pc Double Open End Wrench Set (6x7mm, 8x9mm, 10x11mm, 12x13mm, 14x15mm, 16x17mm, 18x19mm)
4932492714	12 pc Double Open End Wrench Set (6x7mm, 8x9mm, 10x11mm, 12x13mm, 14x15mm, 16x17mm, 18x19mm,20x22mm, 21x23mm, 25x28mm, 27x29mm, 30x32mm)

FLARE NUT WRENCH SET

NEW

- Optimized head geometry for secure grip on fasteners to reduce rounding of nuts
- Ink-filled size labels for easy and quick size identification
- 15°angled heads for better access

PART #	DESCRIPTION
4932480636	6 pc Flare Nut Wrench (8x10mm, 10x11mm, 12x14mm, 14x17mm, 17x19mm, 19x22mm)

DOUBLE RING OFFSET WRENCHES

- 75° offset handle for better access in tight spaces
- Rounded I-Beam handle for comfortably applying torque
- Ink-filled size labels for easy and quick size identification

PART #	DESCRIPTION
4932492739	Double Ring Offset Wrench - 6x7mm
4932492740	Double Ring Offset Wrench - 8x9mm
4932492741	Double Ring Offset Wrench - 8x10mm
4932492742	Double Ring Offset Wrench - 10x11mm
4932492743	Double Ring Offset Wrench - 12x13mm
4932492744	Double Ring Offset Wrench - 14x15mm
4932492745	Double Ring Offset Wrench - 16x17mm
4932492746	Double Ring Offset Wrench - 17x19mm
4932492747	Double Ring Offset Wrench - 18x19mm
4932492748	Double Ring Offset Wrench - 19x22mm
4932492749	Double Ring Offset Wrench - 20x22mm
4932492750	Double Ring Offset Wrench - 21x23mm
4932492751	Double Ring Offset Wrench - 22x24mm
4932492752	Double Ring Offset Wrench - 24x26mm
4932492753	Double Ring Offset Wrench - 24x27mm
4932493275	Double Ring Offset Wrench - 25x28mm
4932492754	Double Ring Offset Wrench - 27x30mm
4932492755	Double Ring Offset Wrench - 27x32mm
4932492756	Double Ring Offset Wrench - 30x32mm

COMBINATION WRENCH SETS IN PACKOUT™ ORGANIZERS

- MAX BITE™ Open-End Grip Reduces Rounding & Stripping
- Comfortable I-Beam Handle Design
- PACKOUT™ Organizers are IP65 rated and built from impact-resistant materials

48-22-9483 48-22-9484 48-22-9485

PART #	DESCRIPTION
48-22-9483	15pc Metric Combination Wrench Set with PACKOUT™ Compact Organizer (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, Removable Tray, PACKOUT Compact Organizer)
48-22-9484	15pc SAE Combination Wrench Set with PACKOUT™ Compact Organizer (1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", Removable Tray, PACK-OUT Compact Organizer)
48-22-9485	30pc Metric & SAE Combination Wrench Set with PACKOUT™ Organizer (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm,1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" Removable Trays, PACKOUT Organizer)
48-22-9285	NEW 98pc 3/8" Drive 6-Pt and 12-Pt Metric & SAE Ratchet & Socket Set with PACKOUT™ Low-Profile Organizer (Standard Sockets: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" Deep Well Sockets: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", Removable Trays, PACKOUT Organizer)

DOUBLE RING OFFSET WRENCH SETS

- 75° offset handle for better access in tight spaces
- Rounded I-Beam handle for comfortably applying torque
- Ink-filled size labels for easy and quick size identification

PART #	DESCRIPTION
4932492737	7pc Double Ring Offset Wrench Set (6x7mm, 8x9mm, 10x11mm, 12x13mm, 14x15mm, 16x17mm, 18x19mm)
4932492738	12pc Double Ring Offset Wrench Set (6x7mm, 8x9mm, 10x11mm, 12x13mm, 14x15mm, 16x17mm, 18x19mm,20x22mm, 21x23mm, 24x27mm, 25x28mm, 27x29mm, 30x32mm)

T-BAR HANDLE WITH SWIVEL SOCKET

NEW

- 180° durable swiveling socket for best access hard-to-reach angles
- Sliding handle bar to optimal adjust to different positions for more leverage or narrow spaces
- Shallow sockets to allow fastening of nuts with longer bolts

PART #	DESCRIPTION
4932492675	T-Bar Handle With Swivel Socket - 6mm
4932492676	T-Bar Handle With Swivel Socket - 7mm
4932492677	T-Bar Handle With Swivel Socket - 8mm
4932492678	T-Bar Handle With Swivel Socket - 9mm
4932492679	T-Bar Handle With Swivel Socket - 10mm
4932492680	T-Bar Handle With Swivel Socket - 11mm
4932492681	T-Bar Handle With Swivel Socket - 12mm
4932492682	T-Bar Handle With Swivel Socket - 13mm
4932492683	T-Bar Handle With Swivel Socket - 14mm
4932492684	T-Bar Handle With Swivel Socket - 15mm
4932492685	T-Bar Handle With Swivel Socket - 16mm
4932492686	T-Bar Handle With Swivel Socket - 17mm
4932492687	T-Bar Handle With Swivel Socket - 18mm
4932492688	T-Bar Handle With Swivel Socket - 19mm
4932492689	T-Bar Handle With Swivel Socket - 20mm
4932492690	T-Bar Handle With Swivel Socket - 21mm
4932492691	T-Bar Handle With Swivel Socket - 22mm
4932492692	T-Bar Handle With Swivel Socket - 24mm
4932492674	7pc T-Bar Handle With Swivel Socket Set (8mm, 10mm, 11mm, 13mm, 14mm, 17mm, 19mm)

HEX KEYS

FOLDING HEX KEYS

- Foldable keys enable easy access & storage solution
- High contrast size callouts for quick and easy identification
- Metal housing for increased durability

PART #	DESCRIPTION
48-22-2181	9pc SAE Folding Hex Key Set (5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")
48-22-2182	8pc Metric Folding Hex Key Set (1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm)
48-22-2183	17pc SAE/Metric Folding Hex Key Set (SAE: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4") (Metric: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm,6mm, 8mm")

L-STYLE HEX KEYS

- Pivoting key holder for easy access to keys
- Ball end for up to 30° access to screw
- High contrast size markings to easily identify the key

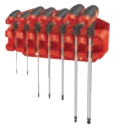
4932478621 | 48-22-2185, 48-22-2186 48-22-2187 | 4932492399

PART #	DESCRIPTION
4932478621	9pc Hex Key Set (1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm)
48-22-2185	13pc SAE L-Style with Ball End Hex Key Set (.050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
48-22-2186	9pc Metric L-Style with Ball End Hex Key Set (1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm)
48-22-2187	22pc SAE/Metric L-Style with Ball End Hex Key (SAE: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8" Metric: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm)
4932492399	9pc Compact Hex Key Set (1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm)

HEX KEY WRENCHES WITH COMFORT GRIP

NEW

- Short end has a deep hex socket for more durability and on the long side deep 12-point socket for better access in hard-to-reach spots
- T-STRIKE provides a striking cap for protection to the tool itself and better access to rounded or rusted bolts, while having an all-metal core for extra-durability
- Hex ball end on the long side allows 30°access to any hex screw



PART #	DESCRIPTION
4932498677	7pc Hex Key Wrenches With Comfort Grip Set (2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm)

TORX KEYS

FOLDING TORX KEY

NEW

- Foldable keys enable easy access & storage solution
- High contrast size callouts for quick and easy identification
- Metal housing for increased durability

PART #	DESCRIPTION
48-22-2184	8pc Torx Folding Hex Key Set (T9, T10, T15, T20, T25, T27, T30, T40)

L-STYLE TORX KEYS

- Pivoting key holder for easy access to keys
- Ball end for up to 30° access to screw
- High contrast size markings to easily identify the key

4932492693 | 4932492703

PART #	DESCRIPTION
4932492693	9pc Torx Key Set (T8, T9, T10, T15, T20, T25, T27, T30, T40)
4932492703	9pc Compact Torx Key Set (T8, T9, T10, T15, T20, T25, T27, T30, T40)

TORX KEY WRENCHES WITH COMFORT GRIP

NEW

- Short end has a deep hex socket for more durability and on the long side deep 12-point socket for better access in hard-to-reach spots
- T-STRIKE provides a striking cap for protection to the tool itself and better access to rounded or rusted bolts, while having an all-metal core for extra-durability
- Quick and easy size identification with markings on the tool and on the storage holder

PART #	DESCRIPTION
4932498690	7 pc Torx Key Wrenches With Comfort Grip Set (T9, T10, T15, T20, T25, T30, T40)

RATCHET & SOCKET

RATCHET & SOCKET SETS

- 90 tooth design with 4 ° of arc swing for tight work spaces
- FOUR FLAT™ sides on socket deter rolling
- 90 Tooth Design With 4 ° Of Arc Swing For Tight Work Spaces
- Sockets are stamped with measurements on the flat side for easy-to-read visibility

48-22-9008

PART #	INCLUDES
48-22-9504	28pc 1/4" Drive Metric Ratchet & Socket Set Standard Sockets: 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm Deep Well Socket: 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm 1/4" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removable Long-Term Storage Tray
48-22-9044	25pc 1/4" Drive Metric & SAE Ratchet & Socket Set Standard Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm 1/4" Ratchet, 3" Extension and Removable Long-Term Storage Tray
48-22-9004	50pc 1/4" Drive Metric & SAE Ratchet & Socket Set Standard Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm Deep Well Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm 1/4" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removable Long-Term Storage Tray
48-22-9508	32pc 3/8" Drive Metric Ratchet & Socket Set Standard Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm Deep Well Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 3/8" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removable Long-Term Storage Tray
48-22-9088	29pc 3/8" Drive Metric & SAE Ratchet & Socket Set Standard Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16" 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 3/8" Ratchet, 3" Extension and Removable Long-Term Storage Tray
48-22-9008	56pc 3/8" Drive Metric & SAE Ratchet & Socket Set Standard Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm Deep Well Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8",11/16", 3/4", 13/16", 7/8", 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 3/8" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removable Long-Term Storage Tray
48-22-9510	28pc 1/2" Drive Metric Ratchet & Socket Set Standard Sockerts: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm Deep Well Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 1/2" Ratchet,3" Extension, 6" Extension, Removable Long-Term Storage Tray
48-22-9010	47pc 1/2" Drive Metric & SAE Ratchet & Socket Set Standard Sockets: 1/2" , 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm Deep Well Sockets: 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 1/2" Ratchet, 3" Extension, 6" Extension, Removable Long-Term Storage Tray

RATCHET & SOCKET SET IN PACKOUT™ ORGANIZERS

- 90-tooth ratchet tool provides 4° of arc swing and a slim profile for work in tighter spaces.
- PACKOUT™ Organizers equipped with a clear top for easy identification
- PACKOUT™ Organizers are IP65 rated and built from impact-resistant materials

48-22-9846

PART #	INCLUDES
48-22-9481	28pc 3/8" Drive SAE Ratchet and Socket Set w/ PACKOUT™ Low-Profile Compact Organizer Standard Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" Deep Well Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" 3/8" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removeable-Long Term Storage Tray, PACKOUT™ Low-Profile Compact Organizer
48-22-9482	32pc 3/8" Drive Metric Ratchet and Socket Set w/ PACKOUT™ Low-Profile Compact Organizer Drive Standard Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm Deep Well Sockets: 6mm, 7mm, 8mm, 9mm. 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 3/8" Ratchet, 3" Extension, 6" Extension, Universal Joint, Re-moveable-Long Term Storage Tray, PACKOUT™ Low-Profile Compact Organizer
48-22-9486	106pc 1/4" & 3/8" Drive Metric & SAE Ratchet and Socket Set w/ PACKOUT™ Low-Profile Organizer 1/4" Drive Standard Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm 1/4" Drive Deep Well Sockets: 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm 3/8" Drive Standard Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 3/8" Drive Deep Well Sockets: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 1/4" Ratchet, 3" Extension, 6" Extension, Universal Joint, 3/8" Ratchet, 3" Extension, 6" Extension, Universal Joint, Removable Long-Term Storage Tray, PACKOUT™ Low-Profile Organizer
48-22-9487	47pc 1/2" Drive Metric & SAE Ratchet and Socket Set w/ PACKOUT™ Low-Profile Organizer Standard Sockets: 1/2", 1", 9/16", 1-1/16", 5/8", 1-1/8", 11/16", 3/4", 13/16", 7/8", 15/16", 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm Deep Well Sockets: 1/2", 13/16", 9/16", 7/8", 5/8", 15/16", 11/16", 3/4", 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm 1/2" Ratchet, 3" Extension, 5" Extension, Removeable-Long Term Storage Tray, PACKOUT™ Low-Profile Organizer
48-22-9285	98pc 3/8" Drive 6-Pt and 12-Pt Metric & SAE Ratchet & Socket Set with PACKOUT™ Low-Profile Organizer (Standard Sockets: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" Deep Well Sockets: 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", Removable Trays, PACKOUT Organizer)

TRADESMAN 3/8" RATCHET SET

- Pivoting ratchet head.
- Square shaped sockets compatible with combination spaners.
- Organised and portable storage solution.

PART #	DESCRIPTION
48-22-9001	12pc Tradesman 3/8" Ratchet Set Deep Well Sockets: 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 18mm, 19mm 3/8" Drive Roto Ratchet, 6" Extension, 3/8" to 1/4" Drive Adaptor, 3/8" to Hex Adapter, Carry Case

1/4" COMPACT RATCHET SET

- Ratchet with 90 Ratcheting teeth for only 4° of arc swing and stubby handle design for better access
- FOUR FLAT SIDES™ sockets providing a wrench ready and anti-roll design.
- High quality textile pouch and removable foam insert.

PART #	DESCRIPTION
4932492672	39pc 1/4" Compact Ratchet Set Standard Sockets: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm SHOCKWAVE Impact Duty Bits: PH1, PH2, PZ1, PZ2, SL0.8x5.5, H3, H4, H5, H6, T10, T15, T20, T25, T30, T40, TS8, TS10, TS15, TS20, TS25, TS30, TS40 1/4" Compact Ratchet, 3" Extension, Universal Joint, 1/4"SQ to 1/4" Socket

1/4" RATCHET, DRIVER & SOCKET SET

- 90 tooth design with 4 °of arc swing for tight work spaces
- Comfortable Tri-Lobe screwdriver handle optimised for maximum user comfort and high torque applications
- FOUR FLAT™ sides on socket deter rolling

PART #	DESCRIPTION
4932498381	38 pc 1/4" Ratchet & Driver & Socket Set (Standard sockets: 5.5 mm, 6 mm, 7 mm 8 mm, 9 mm, 10 mm, 11 mm, 12 mm, 13 mm, 14 mm Shockwave Bits: SL4.5 / SL5.5 / SL6.5 / PH1 / PH2 / PH3 / PZ1 / PZ2 / PZ3 / HEX 3 / HEX 4 / HEX 5 / HEX 6 / HEX 8 / TR10 / TR15 / TR20 / TR25 / TR27 / TR30 / TR40 1/4 Ratchet , 1/4 Tri-lobe screwdriver handle, 76mm, 152mm Extension, Universal Joint, Socket Adaptor, 1/4SQ-1/4 Hex socket)

1/4" DRIVE RATCHETS

- 90 tooth design with 4 °of arc swing for tight work spaces.
- Slim profile head with flush direction lever offers better accessibility.
- Chrome finish for corrosion and rust protection

Compact Ratchet, Ratchet, Long Ratchet

Flex Head Ratchet

PART #	DESCRIPTION
48-22-9003	1/4" Drive 76mm Compact Ratchet (3")
48-22-9014	1/4" Drive 152mm Ratchet (6")
48-22-9005	1/4" Drive 229mm Long Ratchet (9")
48-22-9007	1/4" Drive 152mm Flex Head Ratchet (6")
48-22-9009	1/4" Drive 229mm Flex Head Ratchet (9")

1/4" DRIVE CHROME SOCKETS WITH FOUR FLAT™ SIDES

- FOUR FLAT™ sides on socket deter rolling.
- Stamped sizes for easy visibility.
- Chrome finish for corrosion and rust protection

PART #	DESCRIPTION
45-34-4000	1/4" Drive - 4mm
45-34-4001	1/4" Drive - 4.5mm
45-34-9030	1/4" Drive - 5mm
45-34-9031	1/4" Drive - 5.5mm
45-34-9032	1/4" Drive - 6mm
45-34-9033	1/4" Drive - 7mm
45-34-9034	1/4" Drive - 8mm
45-34-9035	1/4" Drive - 9mm
45-34-9036	1/4" Drive - 10mm
45-34-9037	1/4" Drive - 11mm
45-34-9038	1/4" Drive - 12mm
45-34-9039	1/4" Drive - 13mm
45-34-9040	1/4" Drive - 14mm
45-34-9041	1/4" Drive - 15mm
45-34-4010	1/4" Drive Deep - 4mm
45-34-4011	1/4" Drive Deep - 4.5mm
45-34-9042	1/4" Drive Deep - 5mm
45-34-9043	1/4" Drive Deep - 5.5mm
45-34-9044	1/4" Drive Deep - 6mm
45-34-9045	1/4" Drive Deep - 7mm
45-34-9046	1/4" Drive Deep - 8mm
45-34-9047	1/4" Drive Deep - 9mm
45-34-9048	1/4" Drive Deep - 10mm
45-34-9049	1/4" Drive Deep - 11mm
45-34-9050	1/4" Drive Deep - 12mm
45-34-9051	1/4" Drive Deep - 13mm
45-34-9052	1/4" Drive Deep - 14mm
45-34-9053	1/4" Drive Deep - 15mm

1/4" DRIVE UNIVERSAL JOINT ADAPTER

- Universal Joint provides easier access in hard to reach spaces to get every job done
- Ball detent securely holds the socket to the adapter.
- Chrome finish for optimal resistance to corrosion and rust.

PART #	DESCRIPTION
42-04-9106	1/4" Drive Universal Joint Adapter

1/4" DRIVE BIT HOLDER

- Spring collar to securely hold bits.
- Chrome finish for improved rust protection.
- 1/4" Hex bit reception to work with the most common bit sizes.

PART #	DESCRIPTION
4932493961	1/4" Drive Bit Holder for 1/4" Hex Bits

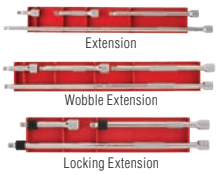
1/4" DRIVE ADAPTER

- Drive size conversion for increasing the drive size of ratchet allowing usage on a wider variety of sockets
- FOUR FLAT™ sides on socket deter rolling
- Laser engraved size ID for quick and easy identification.

PART #	DESCRIPTION
4932480646	1/4" Drive 1/4"F x 3/8"M Adapter

1/4" DRIVE EXTENSIONS

- Precision knurling located on the shaft and female Drive end for better control when hand threading.
- Laser engraved size ID for quick and easy identification
- Chrome finish for corrosion and rust protection



Extension

Wobble Extension

Locking Extension

PART #	DESCRIPTION	
4932480907	1/4" Drive 38mm Extension (1.5")	
4932480908	1/4" Drive 76mm Extension (3")	
4932480909	1/4" Drive 152mm Extension (6")	
4932480910	1/4" Drive 356mm Extension (14")	
4932480637	1/4" Drive Extension Set - 4 Pc	
4932480919	1/4" Drive 51mm Wobble Extension (2")	
4932480920	1/4" Drive 102mm Wobble Extension (4")	
4932480921	1/4" Drive 152mm Wobble Extension (6")	
4932480922	1/4" Drive 305mm Wobble Extension (12")	
4932480640	1/4" Drive Wobble Extension Set - 4 Pc	
4932480930	1/4" Drive 76 mm Locking Extension (3")	NEW
4932480931	1/4" Drive 152 mm Locking Extension (6")	NEW
4932480932	1/4" Drive 254 mm Locking Extension (10")	NEW
4932480643	1/4" Drive Locking Extension Set - 3 Pc	NEW

3/8" DRIVE RATCHETS

- 90 tooth design with 4 °of arc swing for tight work spaces.
- Slim profile head with flush direction lever offers better accessibility.
- Chrome finish for corrosion and rust protection

Compact Ratchet, Ratchet, Long Ratchet | Flex Head Ratchet

PART #	DESCRIPTION
48-22-9036	3/8" Drive 127mm Compact Ratchet (5")
48-22-9038	3/8" Drive 216mm Ratchet (8.5")
48-22-9037	3/8" Drive 305mm Long Ratchet (12")
48-22-9039	3/8" Drive 216mm Flex Head Ratchet (8.5")
48-22-9041	3/8" Drive 305mm Flex Head Ratchet (12")

3/8" DRIVE CHROME SOCKETS WITH FOUR FLAT™ SIDES

- FOUR FLAT™ sides on socket deter rolling.
- Stamped sizes for easy visibility.
- Chrome finish for corrosion and rust protection

PART #	DESCRIPTION
45-34-9076	3/8" Drive - 6mm
45-34-9077	3/8" Drive - 7mm
45-34-9078	3/8" Drive - 8mm
45-34-9079	3/8" Drive - 9mm
45-34-9080	3/8" Drive - 10mm
45-34-9081	3/8" Drive - 11mm
45-34-9082	3/8" Drive - 12mm
45-34-9083	3/8" Drive - 13mm
45-34-9084	3/8" Drive - 14mm
45-34-9085	3/8" Drive - 15mm
45-34-9086	3/8" Drive - 16mm
45-34-9087	3/8" Drive - 17mm
45-34-9088	3/8" Drive - 18mm
45-34-9089	3/8" Drive - 19mm
45-34-8020	3/8" Drive - 20mm
45-34-8021	3/8" Drive - 21mm
45-34-8022	3/8" Drive - 22mm
45-34-8023	3/8" Drive - 23mm
45-34-8024	3/8" Drive - 24mm
45-34-9090	3/8" Drive Deep - 6mm
45-34-9091	3/8" Drive Deep - 7mm
45-34-9092	3/8" Drive Deep - 8mm
45-34-9093	3/8" Drive Deep - 9mm
45-34-0010	3/8" Drive Deep - 10mm
45-34-9094	3/8" Drive Deep - 11mm
45-34-0012	3/8" Drive Deep - 12mm
45-34-0013	3/8" Drive Deep - 13mm
45-34-0014	3/8" Drive Deep - 14mm
45-34-0015	3/8" Drive Deep - 15mm
45-34-9095	3/8" Drive Deep - 16mm
45-34-0017	3/8" Drive Deep - 17mm
45-34-0018	3/8" Drive Deep - 18mm
45-34-0019	3/8" Drive Deep - 19mm
45-34-8040	3/8" Drive Deep - 20mm
45-34-8041	3/8" Drive Deep - 21mm
45-34-8042	3/8" Drive Deep - 22mm
45-34-8043	3/8" Drive Deep - 23mm
45-34-8044	3/8" Drive Deep - 24mm

3/8" DRIVE UNIVERSAL JOINT ADAPTER

- Universal Joint provides easier access in hard to reach spaces to get every job done
- Ball detent securely holds the socket to the adapter.
- Chrome finish for optimal resistance to corrosion and rust.

PART #	DESCRIPTION
42-04-9107	3/8" Drive Universal Joint Adapter

3/8" DRIVE BIT HOLDER

- Ball detent for a secure hold onto bits.
- Chrome finish for improved rust protection.
- 1/4" Hex bit reception to work with the most common bit sizes.

PART #	DESCRIPTION
4932493962	3/8" Drive Bit Holder for 1/4"Hex Bits

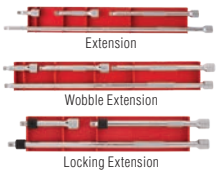
3/8" DRIVE ADAPTER

- Drive size conversion for increasing the drive size of ratchet allowing usage on a wider variety of sockets
- FOUR FLAT™ sides on socket deter rolling
- Laser engraved size ID for quick and easy identification.

PART #	DESCRIPTION
4932480648	3/8" Drive 3/8"F x 1/4" M Adapter
4932480647	3/8" Drive 3/8"F x 1/2" M Adapter

3/8" DRIVE EXTENSIONS

- Precision knurling located on the shaft and female Drive end for better control when hand threading.
- Laser engraved size ID for quick and easy identification
- Chrome finish for corrosion and rust protection



Extension
Wobble Extension
Locking Extension

PART #	DESCRIPTION	
4932480911	3/8" Drive 38mm Extension (1.5")	
4932480912	3/8" Drive 76mm Extension (3")	
4932480913	3/8" Drive 152mm Extension (6")	
4932480914	3/8" Drive 356mm Extension (14")	
4932480638	3/8" Drive Extension Set - 4 Pc	
4932480923	3/8" Drive 76mm Wobble Extension (3")	
4932480924	3/8" Drive 152mm Wobble Extension (6")	
4932480925	3/8" Drive 254mm Wobble Extension (10")	
4932480926	3/8" Drive 305mm Wobble Extension (12")	
4932480641	3/8" Drive Wobble Extension Set - 4 Pc	
4932480933	3/8" Drive 76 mm Locking Extension (3")	NEW
4932480934	3/8" Drive 152 mm Locking Extension (6")	NEW
4932480935	3/8" Drive 254 mm Locking Extension (10")	NEW
4932480644	3/8" Drive Locking Extension Set - 3 Pc	NEW

1/2" DRIVE RATCHETS

- 90 tooth design with 4 °of arc swing for tight work spaces.
- Slim profile head with flush direction lever offers better accessibility.
- Chrome finish for corrosion and rust protection

Compact Ratchet, Ratchet, Long Ratchet | Flex Head Ratchet

PART #	DESCRIPTION
48-22-9012	1/2" Drive 286mm Ratchet (11")
48-22-9050	1/2" Drive 457mm Long Ratchet (18")
48-22-9051	1/2" Drive 286mm Flex Head Ratchet (11")
48-22-9052	1/2" Drive 457mm Flex Head Ratchet (18")

1/2" BREAKER BARS

- Provides extra leverage for tougher bolts
- 180 ° Swiveling Head

PART #	DESCRIPTION
48-22-9011	1/2" Drive 380mm Breaker Bar (15")
48-22-9013	1/2" Drive 610mm Breaker Bar (24")

1/2" DRIVE CHROME SOCKETS WITH FOUR FLAT™ SIDES

- FOUR FLAT™ sides on socket deter rolling.
- Stamped sizes for easy visibility.
- Chrome finish.

PART #	DESCRIPTION
45-34-2008	1/2" Drive - 8mm
45-34-2009	1/2" Drive - 9mm
45-34-9111	1/2" Drive - 10mm
45-34-9112	1/2" Drive - 11mm
45-34-9113	1/2" Drive - 12mm
45-34-9114	1/2" Drive - 13mm
45-34-9115	1/2" Drive - 14mm
45-34-9116	1/2" Drive - 15mm
45-34-9117	1/2" Drive - 16mm
45-34-9118	1/2" Drive - 17mm
45-34-9119	1/2" Drive - 18mm
45-34-9120	1/2" Drive - 19mm
45-34-9121	1/2" Drive - 20mm
45-34-9122	1/2" Drive - 21mm
45-34-9123	1/2" Drive - 22mm
45-34-9124	1/2" Drive - 23mm
45-34-9125	1/2" Drive - 24mm
45-34-2025	1/2" Drive - 25mm
45-34-2026	1/2" Drive - 26mm
45-34-2027	1/2" Drive - 27mm
45-34-2028	1/2" Drive - 28mm
45-34-2030	1/2" Drive - 30mm
45-34-2032	1/2" Drive - 32mm
45-34-2036	1/2" Drive - 36mm
45-34-9134	1/2" Drive Deep - 10mm
45-34-9135	1/2" Drive Deep - 11mm
45-34-9136	1/2" Drive Deep - 12mm
45-34-9137	1/2" Drive Deep - 13mm
45-34-9138	1/2" Drive Deep - 14mm
45-34-9139	1/2" Drive Deep - 15mm
45-34-9140	1/2" Drive Deep - 16mm
45-34-9141	1/2" Drive Deep - 17mm
45-34-9142	1/2" Drive Deep - 18mm
45-34-9143	1/2" Drive Deep - 19mm
45-34-2120	1/2" Drive Deep - 20mm
45-34-2121	1/2" Drive Deep - 21mm
45-34-2122	1/2" Drive Deep - 22mm
45-34-2123	1/2" Drive Deep - 23mm
45-34-2124	1/2" Drive Deep - 24mm
45-34-2127	1/2" Drive Deep - 27mm
45-34-2130	1/2" Drive Deep - 30mm
45-34-2132	1/2" Drive Deep - 32mm
45-34-2136	1/2" Drive Deep - 36mm

1/2" DRIVE UNIVERSAL JOINT ADAPTER

- Universal Joint provides easier access in hard to reach spaces to get every job done
- Ball detent securely holds the socket to the adapter.
- Chrome finish for optimal resistance to corrosion and rust.

PART #	DESCRIPTION
42-04-9104	1/2" Drive Universal Joint Adapter

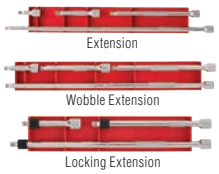
1/2" DRIVE ADAPTER

- Drive size conversion for increasing the drive size of ratchet allowing usage on a wider variety of sockets
- FOUR FLAT™ sides on socket deter rolling
- Laser engraved size ID for quick and easy identification.

PART #	DESCRIPTION
4932480649	1/2"Drive 1/2" F X 3/8" M Adapter

1/2" DRIVE EXTENSIONS

- Precision knurling located on the shaft and female drive end for better control when hand threading.
- Laser engraved size ID for quick and easy identification.
- Chrome finish for corrosion and rust protection

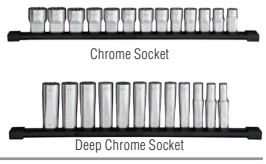


Extension
Wobble Extension
Locking Extension

PART #	DESCRIPTION	
4932480915	1/2" Drive 76mm Extension (3")	
4932480916	1/2" Drive 127mm Extension (5")	
4932480917	1/2" Drive 254mm Extension (10")	
4932480918	1/2" Drive 381mm Extension (15")	
4932480639	1/2" Drive Extension Set - 4 pc	
4932480927	1/2" Drive 76mm Wobble Extension (3")	
4932480928	1/2" Drive 127mm Wobble Extension (5")	
4932480929	1/2" Drive 254mm Wobble Extension (10")	
4932480642	1/2" Drive Wobble Extension Set - 3 pc	
4932480936	1/2" Drive 76 mm Locking Extension (3")	NEW
4932480937	1/2" Drive 127 mm Locking Extension (5")	NEW
4932480938	1/2" Drive 254 mm Locking Extension (10")	NEW
4932480645	1/2" Drive Locking Extension Set - 3pc	NEW

6-POINT AND 12-POINT CHROME SOCKET SETS

- Chrome finish FOUR FLAT™ sides on socket deter rolling
- Wrench ready FOUR FLAT™ sides
- Stamped sizes for easy visibility



Chrome Socket
Deep Chrome Socket

PART #	DESCRIPTION	
4932492507	10pc 3/8" 6-Point Metric Chrome Socket Set (10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm)	
4932492509	10pc 3/8" 6-Point Metric Deep Chrome Socket Set (10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm)	
48-22-9520	12pc 3/8" Drive 12-Point Metric Chrome Socket Set (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm)	NEW
48-22-9521	12pc 3/8" Drive 12-Point Metric Deep Chrome Socket Set (8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm)	NEW
48-22-9522	13pc 1/2" Drive 12-Point Metric Chrome Socket Set (12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm)	NEW
48-22-9524	13pc 1/2" Drive 12-Point Metric Deep Chrome Socket Set (12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm)	NEW

SPARK PLUG SOCKETS

- Dual material rubber retainer prevent wear down and enable secure hold
- Stamped sizes for quick and easy identification
- Knurling area for better finger grip

PART #	DESCRIPTION
48-22-9550	3/8" Drive 9/16' Spark Plug Socket
48-22-9551	3/8" Drive 5/18' Spark Plug Socket
48-22-9553	3/8" Drive 13/16' Spark Plug Socket
48-22-9555	3/8" Drive 14mm Spark Plug Socket
48-22-9556	3/8" Drive 18mm Spark Plug Socket
48-22-9552	3/8" Drive 5/18' Magnetic Spark Plug Socket
48-22-9554	3/8" Drive 13/16' Magnetic Spark Plug Socket

HEX BIT SOCKETS SETS

- FOUR FLAT™ sides on socket deter rolling and provide a wrench-ready design
- Slim design for better access in tight spaces
- Stamped sizes for better visibility in all lighting conditions

Hex Bit Socket Set

Low-Profile Hex Bit Socket Set

Long Hex Bit Socket Set

PART #	DESCRIPTION
48-22-9540	10pc 1/4" Drive Hex Bit Socket Set (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4")
48-22-9541	6pc 1/4" Drive Hex Bit Socket Set (2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm)
48-22-9542	8pc 3/8" Drive Hex Bit Socket Set (1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
48-22-9543	11pc 3/8" Drive Hex Bit Socket Set (4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm)
48-22-9544	NEW 12pc 1/4" Drive Low-Profile Hex Bit Socket Set (1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
48-22-9545	NEW 10pc 1/4" Drive Low-Profile Hex Bit Socket Set (2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm)
48-22-9546	NEW 8pc 3/8" Drive Long Hex Bit Socket Set (1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")
48-22-9547	NEW 7pc 3/8" Drive Long Hex Bit Socket Set (4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm)
48-22-9548	NEW 7pc 3/8" Drive Long Ball End Hex Bit Socket Set (4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm)
48-22-9549	NEW 8pc 3/8" Drive Long Ball End Hex Bit Socket Set (1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8")

TORX AND TAMPER PROOF TORX BIT SOCKET SETS

- FOUR FLAT™ sides on socket deter rolling and provide a wrench-ready design
- Slim design for better access in tight spaces
- Stamped sizes for better visibility in all lighting conditions

Low-Profile TORX Bit Socket Set

TORX/ Tamper Proof TORX Bit Socket Set

Long TORX Bit Socket Set

PART #	DESCRIPTION
48-22-9530	6pc 1/4" Drive TORX Bit Socket Set (T8, T10, T15, T20, T25, T27)
48-22-9531	10pc 3/8" Drive TORX Bit Socket Set (T20, T25, T27, T30, T40, T45, T47, T50, T55, T60)
48-22-9532	13pc 1/4" and 3/8" Drive TORX Bit Socket Set (1/4" Drive: T8, T10, T15, T20, T25, T27 3/8" Drive: T30, T40, T45, T47, T50, T55, T60)
48-22-9533	NEW 11pc 1/4" Drive Low-Profile TORX Bit Socket Set (T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50)
48-22-9534	NEW 11pc 1/4" and 3/8" Drive Long TORX Bit Socket Set (T8, T10, T15, T20, T25, T27, T30, T40, T45, T47, T50)
48-22-9535	NEW 13pc 1/4" and 3/8" Drive Tamper Proof TORX Bit Socket Set (1/4": T8, T10, T15, T20, T25, T27 3/8": T30, T40, T45, T47, T50)

TRIPLE SQUARE BIT SOCKET SET

NEW

- FOUR FLAT™ sides on socket deter rolling and provide a wrench-ready design
- Slim design for better access in tight spaces
- Stamped sizes for better visibility in all lighting conditions

PART #	DESCRIPTION
48-22-9536	12pc 3/8" Drive Triple Square Bit Socket Set (4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 12mm, 13mm, 14mm, 16mm, 18mm)

EXTERNAL TORX SOCKET SET

NEW

- FOUR FLAT™ sides deter rolling and provide wrench-ready design
- Laser engraved sizes for better visibility
- Chrome plated offers rust and corrosion protection

PART #	DESCRIPTION
48-22-9570	12pc 1/4", 3/8", & 1/2" Drive External TORX Socket Set (1/4":T4, T5, T6, T7, T8, T10 3/8": T12, T14, T16, 1/2" T18, T20, T24)

CLICK TORQUE WRENCH

NEW

- 4° arc swing, this wrench allows access in tight spaces
- ±3% accuracy ensures consistent and reliable performance
- Bold torque markings drive efficiency when adjusting the torque value
- Strong break away feel and audible click give clear feedback when the target torque is reached

PART #	DESCRIPTION	TORQUE RANGE (N-m)
48-22-9200	1/4" Drive Click Torque Wrench	4.5-22.6
4932500823	1/4" Drive Click Torque Wrench	5-25
48-22-9201	3/8" Drive Click Torque Wrench	5.6-28.2
4932500850	3/8" Drive Click Torque Wrench	10-50
4932500824	3/8" Drive Click Torque Wrench	20-100
48-22-9202	3/8" Drive Click Torque Wrench	27.1-135.6
4932500851	1/2" Drive Click Torque Wrench	40-200
4932500825	1/2" Drive Click Torque Wrench	60-340
48-22-9203	1/2" Drive Click Torque Wrench	67.8-339

MINI RATCHET

- 4° of Arc Swing For Better Access in Tight Spaces
- Thumb wheel allows for tightening and loosening fasteners when space is limited
- The attachable bit holder offers easy bit access and better organization

PART #	DESCRIPTION
48-22-2950	7in1 Multi-Bit Mini Ratchet (PH1, PH2, SL3/16", SL1/4", 1/4" Nut Driver, 5/16" Nut Driver and 1/4" Socket Adapter)

STRIKING & STRUCK TOOLS

FRAMING HAMMERS

- SHOCKSHIELD grip reduces peak vibration
- Magnetic nail starter for safer application
- I-Beam handle construction resists bending in prying applications

PART #	DESCRIPTION
48-22-9018	16oz Smooth Face Hybrid Claw Framing Hammer
4932478655	16oz Smooth Face Curved Claw Framing Hammer
48-22-9016	17oz Milled Face Rip Claw Framing Hammer
48-22-9017	17oz Smooth Face Rip Claw Framing Hammer
48-22-9020	20oz Smooth Face Rip Claw Framing Hammer
48-22-9080	20oz Smooth Face Curved Claw Framing Hammer
48-22-9022	22oz Milled Face Rip Claw Framing Hammer
48-22-9023	22oz Smooth Face Rip Claw Framing Hammer
48-22-9029	28oz Milled Face Rip Claw Framing Hammer

FINISH HAMMER

- SHOCKSHIELD grip reduces peak vibration
- Precision balanced design provides more control for a smooth striking experience
- D-shaped head for easy access in tight spaces

PART #	DESCRIPTION
48-22-9019	12oz Smooth Face Hybird Claw Finish Hammer

POLY FIBERGLASS HAMMERS

- Magnetic nail starter for safer application
- Reinforced fiberglass handle
- Over moulded handle for increased grip and reduced vibration

PART #	DESCRIPTION
48-22-9316	19oz Smooth Face Poly Fiberglass Hammer
48-22-9320	21oz Milled Face Poly Fiberglass Hammer

DRILLING HAMMERS

- Dual Face Versatility: Milled face provides additional grip and minimizes movement of face when striking chisels or large nails, the smooth face prevents damage to struck objects
- Reinforced Overstrike Protection for higher durability in the most common failure point
- Fiberglass handle with over molded grip for higher durability with improved grip capacity and comfort

PART #	DESCRIPTION
48-22-9310	3lb Fiberglass Drilling Hammer
48-22-9311	2lb Fiberglass Drilling Hammer

ENGINEER HAMMERS

- High strength fiberglass core for the ultimate power and durability
- Reinforced overstrike protection for ultimate hammer durability
- Anti-slip grip to reduce slipping

PART #	DESCRIPTION
48-22-9312	2.5lb Fiberglass Engineer Hammer
48-22-9314	4lb Fiberglass Engineer Hammer

CROSS PEEN HAMMERS

- High Strength Fiberglass Core for the ultimate power and durability
- Reinforced overstrike protection for ultimate hammer durability
- Anti-Slip Grip to reduce slipping

PART #	DESCRIPTION
48-22-9313	2.5lb Fiberglass Cross Peen Hammer
48-22-9315	4lb Fiberglass Cross Peen Hammer

DRYWALL HAMMER

- SHOCKSHIELD grip reduces peak vibration
- Precision balanced design provides more control for a smooth striking experience
- D-shaped head for easy access in tight spaces

PART #	DESCRIPTION
48-22-9060	15oz Drywall Hammer

STEEL BALL PEEN HAMMER

- SHOCKSHIELD™ grip reduces peak vibration
- Strong steel head prevents chipping on contact
- Precise balance for better handling and control

PART #	DESCRIPTION
48-22-9130	16oz Steel Ball Peen Hammer
48-22-9131	24oz Steel Ball Peen Hammer

DEAD BLOW BALL PEEN HAMMER

- Precision balanced design offers higher striking power with minimal effort
- Durable metal faces preventing chipping on contact
- Over molded handle for more control and better grip

PART #	DESCRIPTION
48-22-9140	16oz Dead Blow Ball Peen Hammer
48-22-9141	32oz Dead Blow Ball Peen Hammer

DEAD BLOW HAMMER

- Steel shot-filled head for increased rebound reduction and maximised impact
- High-performance cover preventing damage to surfaces
- Precision balanced design and over molded handle for more control and better grip

PART #	DESCRIPTION
48-22-9150	28oz Dead Blow Hammer
48-22-9151	48oz Dead Blow Hammer

LINEMAN'S HAMMER

- Dual Face Versatility: Milled face provides additional grip and minimizes movement of face when striking chisels or large nails, the smooth face prevents damage to struck objects
- Built-in staple pullers and a j-hook remover deliver added functionality and increased productivity
- High-strength fiberglass handle and reinforced overstrike protection for ultimate power and durability

PART #	DESCRIPTION
48-22-9040	4in1 Lineman's Hammer

NAIL PULLERS

- SMOOTHPULL™ high leverage head for quick nail removal
- Beveled edge nail slots for better access
- Low profile claw that reduces damage to surrounding materials
- Reduced vibration with SHOCKSHIELD™ grip

PART #	DESCRIPTION	
48-22-9030	228mm Finish Nail Puller (9")	
48-22-9031	254mm Nail Puller (10")	
48-22-9032	304mm Nail Puller (12")	
48-22-9033	254mm Molding Puller (10")	
48-22-9046	406mm Molding Puller (16")	NEW

PRY BARS

- Claws stay sharp for better access to tight spaces
- Easier prying with high leverage shepard's hook head shape
- Reduced vibration with SHOCKSHIELD grip

PART #	DESCRIPTION
48-22-9034	304mm Pry Bar (12")
48-22-9035	381mm Pry Bar (15")
48-22-9042	533mm Pry Bar (21")

WRECKING BARS

NEW

- Large shepard's head for easy grabbing and prying
- Highest Lerage Head for quick nail removal
- Bend resistant I-Beam handle

PART #	DESCRIPTION
48-22-9070	457mm Wrecking Bar (18")

PRY BARS

- All-metal core for improved durability
- I-Beam design for added durability
- Hammer-ready strike cap

PART #	DESCRIPTION
4932480595	200mm Pry Bar (8")
4932480596	300mm Pry Bar (12")
4932480597	450mm Pry Bar (18")
4932480598	600mm Pry Bar (24")
4932480599	900mm Pry Bar (35")
4932480600	1000mm Pry Bar (39")
48-22-9214	4 Pc Pry Bar Set (200mm, 300mm, 450mm, 600mm)

BEVELED EDGE CHISELS

- All metal core for maximum duability
- Metal striking cap for a longer handle life
- Permanent size marking on the blade and handle for quick identification

PART #	DESCRIPTION
4932479892	Beveled Edge Chisel 6mm (0.25")
4932479893	Beveled Edge Chisel 12mm (0.50")
4932479894	Beveled Edge Chisel 19mm (0.75")
4932479895	Beveled Edge Chisel 25mm (1")
4932479896	Beveled Edge Chisel 32mm (1.25")
4932479897	4 Pc Beveled Edge Chisel Set (6mm, 12mm, 19mm, 25mm)

SPLITTING WEDGE

NEW

- Wide wings for efficient splits
- Precision beveled edge for easier setting
- Rust resistant and stay sharp

PART #	DESCRIPTION
48-22-9065	5lb Splitting Wedge

SCREWDRIVERS & NUTDRIVERS

TRI-LOBE SCREWDRIVERS

- Comfortable Tri-Lobe handle optimized for maximum user comfort and high torque applications
- Hardened magnetic tips for maximum durability and fastener retention
- Permanent visible ID markings allows for quick tool identification

PART #	DESCRIPTION
4932471773	SL 0.4 x 2 x 65 Tri-Lobe Screwdriver
4932471774	SL 0.4 x 2.5 x 75 Tri-Lobe Screwdriver
4932471775	SL 0.5 x 3 x 75 Tri-Lobe Screwdriver
4932471776	SL 0.5 x 3 x 150 Tri-Lobe Screwdriver
4932471777	SL 0.6 x 3.5 x 100 Tri-Lobe Screwdriver
4932471778	SL 0.8 x 4 x 100 Tri-Lobe Screwdriver
4932471779	SL 1.0 x 5.5 x 125 Tri-Lobe Screwdriver
4932471780	SL 1.2 x 6.5 x 45 Tri-Lobe Screwdriver
4932471781	SL 1.2 x 6.5 x 125 Tri-Lobe Screwdriver
4932471782	SL 1.2 x 8 x 150 Tri-Lobe Screwdriver
4932471783	SL 1.6 x 8 x 175 Tri-Lobe Screwdriver
4932471784	SL 1.2 x 10 x 200 Tri-Lobe Screwdriver
4932471785	PH0 x 75 Tri-Lobe Screwdriver
4932471786	PH1 x 100 Tri-Lobe Screwdriver
4932471787	PH2 x 45 Tri-Lobe Screwdriver
4932471788	PH2 x 125 Tri-Lobe Screwdriver
4932471789	PH3 x 150 Tri-Lobe Screwdriver
4932471790	PZ0 x 75 Tri-Lobe Screwdriver
4932471791	PZ1 x 100 Tri-Lobe Screwdriver
4932471792	PZ2 x 45 Tri-Lobe Screwdriver
4932471793	PZ2 x 125 Tri-Lobe Screwdriver
4932471794	PZ3 x 150 Tri-Lobe Screwdriver
4932471795	T6 x 65 Tri-Lobe Screwdriver
4932471796	T7 x 65 Tri-Lobe Screwdriver
4932471797	T8 x 65 Tri-Lobe Screwdriver
4932471798	T9 x 75 Tri-Lobe Screwdriver
4932471799	T10 x 75 Tri-Lobe Screwdriver
4932471800	T15 x 75 Tri-Lobe Screwdriver
4932471801	T20 x 100 Tri-Lobe Screwdriver
4932471802	T25 x 100 Tri-Lobe Screwdriver
4932471803	T30 x 125 Tri-Lobe Screwdriver
4932471804	T40 x 125 Tri-Lobe Screwdriver

TRI-LOBE SCREWDRIVER SETS

- Comfortable Tri-Lobe handle optimized for maximum user comfort and high torque applications
- Hardened magnetic tips for maximum durability and fastener retention
- Permanent visible ID markings allows for quick tool identification

PART #	DESCRIPTION	TIP SIZES
48-22-2706	6pc Screwdriver Set	PH1 x 3", PH2 x 4", PH2 x 6", SL3/16" x 6", SL1/4" x 4", SL5/16" x 6"
48-22-2708	8pc Screwdriver Set with ECX	PH1 x 3", PH2 x 4", PH2 x 6", SL5/16" x 6", SL3/16" x 6", SL1/4" x 4", ECX1 x 4", ECX2 x 4"
48-22-2710	10pc Screwdriver Set	PH1 x 3", PH2 x 1-1/2", PH2 x 4", PH2 x 6", SL 3/16" x 6", SL1/4" x 1-1/2", SL 1/4" x 4", SL5/16" x 6", SQ1 x 4", SQ2 x 4"

PH Phillips		SL Slotted		T Torx		TS Torx Security		H Hex	
HS Hex Security		ECX ECX		SQ Square		Y Y-Type		TA Triangle	
P Pentalobe		S Standoff		SP Spanner		TQ Torq-Set		PZ Pozidriv	

CUSHION GRIP SCREWDRIVERS

MADE IN USA WITH GLOBAL MATERIALS

- Precise Fit – Reduces Stripping
- Anti-Slip Tip – Laser Etched
- Long Lasting – High Strength Boron-Infused Steel
- Comfortable, Cushion Grip Handle
- Visible Id Markings

PART #	DESCRIPTION	TIP SIZES
MT200-4	4PC Cushion Grip Screwdriver Set	PH2 x 4", SL1/4" x 4", SL3/16" x 6", SL5/16" x 6"
MT200-6	6PC Cushion Grip Screwdriver Set	PH1 x 3", PH2 x 4", PH3 x 6", SL5/16" x 6", SL¼" x 4", SL3/16"x 6"
MT201	#1 Phillips 3" Cushion Grip Screwdriver	
MT202	#2 Phillips 4" Cushion Grip Screwdriver	
MT203	#3 Phillips 6" Cushion Grip Screwdriver	
MT204	#2 Phillips 10" Cushion Grip Screwdriver	
MT205	#2 Phillips 6" Cushion Grip Demolition Screwdriver	
MT206	1/4" Slotted 4" Cushion Grip Screwdriver	
MT207	5/16" Slotted 6" Cushion Grip Screwdriver	
MT208	5/16" Slotted 6" Cushion Grip Demolition Screwdriver	
MT209	3/8" Slotted 8" Cushion Grip Screwdriver	
MT210	3/8" Slotted 8" Cushion Grip Demolition Screwdriver	
MT211	3/16" Cabinet 3" Cushion Grip Screwdriver	
MT212	3/16" Cabinet 6" Cushion Grip Screwdriver	
MT213	3/16" Cabinet 8" Cushion Grip Screwdriver	
MT214	1/4" Cabinet 10" Cushion Grip Screwdriver	
MT215	#1 ECX 4" Cushion Grip Screwdriver	
MT216	#2 ECX 4" Cushion Grip Screwdriver	
MT217	#1 Square 3" Cushion Grip Screwdriver	
MT218	#2 Square 4" Cushion Grip Screwdriver	
MT219	#3 Square 6" Cushion Grip Screwdriver	

MULTI-BIT SCREWDRIVERS

- Most Versatile Multi-Bit Driver
- Easy Access Bits: In-Handle Bit Storage
- Durable, All-Metal Ratchet: Higher Torque And Faster Driving
- Removable Bit Holder: Power-Tool Ready With 1/4" Hex Shank
- Ergonomic Handle With Durable Overmold

48-22-2762

48-22-2763

48-22-2900, 48-22-2903, 48-22-2901, 48-22-2904, 48-22-2907, 48-22-2908, 48-22-2911, 48-22-2912

48-22-2935

48-22-2932

48-22-2930, 48-22-2931, 48-22-2933

48-22-2934

48-22-2910, 48-22-2913

PART #	DESCRIPTION	BIT TYPES
48-22-2762	6-in-1 Stubby Multi-Bit Screwdriver	PH1, PH2, SL3/16", SL1/4", 1/4" nut driver and 5/16" nut driver
48-22-2763	2pc 11-in-1 Multi-Bit Screwdriver and 6-IN-1 Stubby Multi-Bit Screwdriver Set	Stubby: PH1, PH2, SL3/16", SL1/4", 1/4" nut driver and 5/16"nut driver Regular: PH1, PH2, SL1/4", SL3/16", SQ1, SQ2, T10, T15, 1/4" nut driver, 5/16"nut driver and 3/8" nut driver
48-22-2900	14-in-1 Multi-Bit Screwdriver	PH1, PH2, SL 1/4", SL 3/16", SQ1, SQ2, SQ3, ECX1, ECX2, T10, T15, T20, T25 and 1/4" nut driver
48-22-2903	14-in-1 Ratcheting Multi-Bit Screwdriver	PH1, PH2, SL 1/4", SL 3/16", SQ1, SQ2, SQ3, ECX1, ECX2, T10, T15, T20, T25 and 1/4" nut driver
48-22-2901	27-in-1 Multi-Bit Screwdriver	PH0, PH1, PH2, PH3, SL 1/4", SL 3/16", SL 7/32", SL 9/32", SQ1, SQ2, SQ3, ECX1, ECX2, T10, T15, T20, T25, T30, H2, H2.5, H3, H4, H1/8", H5/32", H3/16", H1/4", and 1/4" nut driver
48-22-2904	27-in-1 Ratcheting Multi-Bit Screwdriver	PH0, PH1, PH2, PH3, SL 1/4", SL 3/16", SL 7/32", SL 9/32", SQ1, SQ2, SQ3, ECX1, ECX2, T10, T15, T20, T25, T30, H2, H2.5, H3, H4, H1/8", H5/32", H3/16", H1/4", and 1/4" nut driver
48-22-2907	14-in-1 TORX Multi-Bit Screwdriver	PH1, PH2, SL 3/16", SL 1/4", T7, T8, T9, T10, T15, T20, T25, T27, T30, and 1/4" nut driver
48-22-2908	14-in-1 Hex Multi-Bit Screwdriver	H2, H2.5, H3, H4, H5, H6, H7/64", H1/8", H9/64", H5/32", H3/16", H7/32", H1/4", and 1/4" nut driver
48-22-2910	8-in-1 Compact Multi-Bit Screwdriver	PH1, PH2, SL 3/16", SL 1/4", SQ1, SQ2, T15, and 1/4" nut driver
48-22-2913	8-in-1 Ratcheting Compact Multi-Bit Screwdriver	PH1, PH2, SL 3/16", SL 1/4", SQ1, SQ2, T15, and 1/4" nut driver
48-22-2905	2pc 14-in-1 Ratcheting Multi-Bit and 8-in-1 Ratcheting Compact Multi-bit Screwdriver Set	Regular handle: PH1, PH2, SL 1/4", SL 3/16", SQ1, SQ2, SQ3, ECX1, ECX2, T10, T15, T20, T25 and 1/4" nut driver Compact handle: PH1, PH2, SL 3/16", SL 1/4", SQ1, SQ2, T15, and 1/4" nut driver
48-22-2930	4-in-1 Precision Multi-Bit Screwdriver	PH00, PH0, SL 1/8", SL 3/32"
48-22-2911	27-in-1 Security Multi-Bit Screwdriver	TS7, TS8, TS10, TS15, TS20, TS25, TS27, TS30, TS40, SP4, SP6, SP8, SP10, HS3/32", HS7/64", HS1/8", H9/64", HS5/32", HS3/16", HS2, HS2.5, HS3, HS5, TQ6, TQ8, TQ10 and 1/4" nut driver
48-22-2912	27-in-1 Ratcheting Security Multi-Bit Screwdriver	TS7, TS8, TS10, TS15, TS20, TS25, TS27, TS30, TS40, SP4, SP6, SP8, SP10, HS3/32", HS7/64", HS1/8", H9/64", HS5/32", HS3/16", HS2, HS2.5, HS3, HS5, TQ6, TQ8, TQ10 and 1/4" nut driver
48-22-2931	4-in-1 TORX Security Precision Multi-Bit Screwdriver	TS7, TS8, TS10, TS15
48-22-2932	4-in-1 Pocket Precision Multi-Bit Screwdriver	PH00, PH0, SL1/8", SL3/32"
48-22-2933	14-in-1 Precision Multi-Bit Screwdriver	PH00, PH0, SL1/8", SL3/32", TS7, TS8, TS10, TS15, 9/64" nut driver, 5/32" nut driver, 3/16"nut driver, 7/32"nut driver, 1/4" nut driver, 5/64" nut driver
48-22-2934	27-in-1 Precision Multi-Bit Screwdriver	PH000, PH00, PH0, PH1, PH2, SL1, SL2, SL2.5, SL3, T3, T4, TS5, TS6, TS7, TS8, TS10, H0.9, H1.3, H1.5, HS2, HS2.5, P2, P5, Y000, Y0, S0, 3.5mm nut driver
48-22-2935	39-in-1 Precision Multi-Bit Screwdriver W/ Case	PH000, PH00, PH0, PH1, PH2, SL1, SL1.5, SL2, SL2.5, SL3, SL3.5, T3, T4, TS5, TS6, TS7, TS8, TS9, TS10, TS15, H0.9, H1.3, H1.5, HS2, HS2.5, HS3, HS3.5, SQ1, SQ2, P2, P5, Y000, Y0, Y1, TA2, TA3, S0, SP4, SP6

INSULATED SCREWDRIVERS

- 1000V: Certified to IEC 60900 and ASTM F1505 standards
- Comfortable Tri-Lobe handle optimized for maximum user comfort and high torque applications
- Permanent visible ID markings allows for quick tool identification

PART #	DESCRIPTION	TIP SIZES
48-22-2211	#1 Phillips - 76mm (3") 1000V Insulated Screwdriver	
48-22-2212	#2 Phillips - 101mm (4") 1000V Insulated Screwdriver	
48-22-2213	#3 Phillips - 152mm (6") 1000V Insulated Screwdriver	
48-22-2221	1/4" Slotted - 152mm (6") 1000V Insulated Screwdriver	
48-22-2222	5/16" Slotted - 177mm (7") 1000V Insulated Screwdriver	
48-22-2223	3/8" Slotted - 203mm (8") 1000V Insulated Screwdriver	
48-22-2224	3/8" Slotted - 254mm (10") 1000V Insulated Screwdriver	
48-22-2231	3/16" Cabinet - 101mm (4") 1000V Insulated Screwdriver	
48-22-2232	3/16" Cabinet - 152mm (6") 1000V Insulated Screwdriver	
48-22-2233	3/16" Cabinet - 203mm (8") 1000V Insulated Screwdriver	
48-22-2210	10pc 1000V Insulated Screwdriver Set w/ EVA Foam Case	PH1 x 3", PH2 x 4", PH3 X 6", SL1/4" X 6", SL 5/16" X 7", SL3/8" X 8", SQ1 x 3", SQ2 x 4", SQ3 x 6", ECX1 x 4"
48-22-2204	4pc 1000V Insulated Screwdriver Set w/ Roll Pouch	PH1 x 3", PH2 x 4", SL1/4" x 6", SL3/8" x 8"
48-22-2207	2pc 1000V Insulated Slim Tip Screwdriver Set	SL1/4"x 4", PH2 x 4"
48-22-2219	4pc 1000V Insulated Slim Tip Screwdriver Set	PH2 x 4", SL3/16" x 6", SL1/4" x 4", SQ2 x 6"
48-22-2206	6pc 1000V Insulated Slim Tip Screwdriver Set	PH1 x 6", PH2 x 4", PH2 x 6", SL3/16" x 6", SL1/4" x 4", SQ2 x 6"

INSULATED MULTI BIT SCREWDRIVERS

- 1000V: Certified to IEC 60900 and ASTM F1505 standards
- Size ID on every bit for quick identification
- Most versatile - easily change bits

PART #	DESCRIPTION	TIP SIZES
48-22-2216	4-in-1 1000V Insulated Slim Tip Multi-Bit Screwdriver	PH2, SL1/4", SL3/16", SQ2
48-22-2218	8-in-1 1000V Insulated Slim Tip Multi-Bit Screwdriver	PH1, PH2, SL1/4", SL3/16", SQ1, SQ2, ECX1, ECX2
48-22-2217	8-in-1 1000V Insulated Precision Multi-Bit Screwdriver	PH00, PH0, SL1/8", SL3/32", TS7, TS8, TS10, TS15

HOLLOWCORE NUTDRIVERS

- HOLLOWCORE™ unlimited depth handle for use on long threaded rod while driving and fastening
- 6 point head for better fit on common fasteners
- Colour coded ID markings allow for quick tool identification on jobsite

PART #	DESCRIPTION
48-22-2542	2pc SAE HOLLOWCORE Magnetic Nut Driver Set (1/4", 5/16")
48-22-2544	4pc SAE HOLLOWCORE Magnetic Nut Driver Set (1/4", 5/16", 7/16", 9/16")
48-22-2547	7pc SAE HOLLOWCORE Magnetic Nut Driver Set (1/4", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16")
48-22-2548	7pc Metric HOLLOWCORE Magnetic Nut Driver Set (5mm, 5.5mm, 6mm, 7mm, 8mm, 10mm, 13mm)

NUT DRIVER WITH COMFORT GRIP

NEW

- Short end has a 6-point socket for more durability and on the long side deep 12-point socket for better access in hard-to-reach spots
- T-STRIKE provides a striking cap for protection to the tool itself and better access to rounded or rusted bolts, while having an all-metal core for extra-durability
- Quick and easy size identification with markings on the tool and on the storage holder

PART #	DESCRIPTION
4932498704	7 pc Nut Driver With Comfort Grip Set (5mm, 6mm, 7mm, 8mm, 10mm, 12mm, 13mm)

PRECISION SCREWDRIVERS

- All metal core for improved durability
- 360° rotating back cap
- Longer shanks for improved visibility and extended reach

PART #	DESCRIPTION	TIP SIZES
48-22-2604	4pc Precision Screwdriver Set	PH1, SL1/16", SL3/32", SL1/8"
48-22-2606	6pc Precision Screwdriver Set	PH00, PH0, SL1/16", SL3/32", SL1/8", SL5/32"
48-22-2610	6pc Precision Screwdriver Set	T6, T7, T8, T9, T10, T15
48-22-2612	10pc Precision Screwdriver Set	PH00, PH0, SL3/32", SL1/8", T6, T7, T8, T9, T10, T15
48-22-2614	8pc Precision Screwdriver Set	PH000, PH00, PH0, PH1, SL1/16", SL3/32", SL1/8", SL5/32"

DEMO SCREWDRIVER SET

- Hammer ready strike caps
- All-metal core
- Comfortable tri-lobe handle

PART #	DESCRIPTION	TIP SIZES
48-22-2702	2pc Demo Screwdriver Set	PH6 x 6",SL5/16" x 6"

CUTTING TOOLS

SELF-RETRACTING UTILITY KNIFE

- Self-retract mechanism: Retracts blade when the button is released
- Blade storage holds up to 5 blades conveniently inside the handle
- Quick tool-free blade change

PART #	DESCRIPTION
48-22-1512	Self Retracting Utility Knife

FIXED BLADE UTILITY KNIFE

- Durable full metal body
- Blade storage holds up to 5 blades conveniently inside the handle
- Thumb-screw mechanism allows to change the blade quickly and without any extra tools

PART #	DESCRIPTION
48-22-1513	Fixed Blade Utility Knife

FASTBACK™ FOLDING UTILITY KNIVES

- Press and flip opening
- Quick tool-free blade changes
- Metal extension to prevent accidental blade removal

48-22-1500

48-22-1501

48-22-1502

PART #	DESCRIPTION
48-22-1500	FASTBACK™ Compact Folding Utility Knife
48-22-1501	FASTBACK™ Folding Utility Knife
48-22-1502	FASTBACK™ Folding Utility Knife w/ Blade Storage
48-22-1503	FASTBACK™ w/ Storage & FASTBACK™ Compact Knife Set
48-22-1504	FASTBACK™ w/ Storage & 50pc General Utility Blades Set

FASTBACK™ 6-IN-1 FOLDING UTILITY KNIFE

- Including 1 /4" Hex bit holder with double ended PH2 and SL1/4" bit
- Easy tool free blade change
- Bottle Opener

PART #	DESCRIPTION
48-22-1505	FASTBACK™ 6-in-1 Folding Utility Knife

MULTI-FUNCTION COMPACT UTILITY KNIFE

NEW

- Multi-function versatility including prying & scraping, nail puller, gut hooker & wire striper and bottle opener
- 3 blade position with smooth slide control
- Slim and full metal body

PART #	DESCRIPTION
48-22-1517	Multi-Function Compact Utility Knife

SIDE SLIDE UTILITY KNIVES

- Side slide mechanism to reduce the risk of exposing the blade accidentally
- Full metal body with rubber overmold for increased durability, comfort and reduced hand slippage
- Quick tool free blade change

48-22-1515

48-22-1516

PART #	DESCRIPTION
48-22-1515	Side Slide Utility Knife
48-22-1516	Compact Side Slide Utility Knife

COMPACT FOLDING KNIFE

- Compact size for carrying in the pocket
- Resharpenable stainless steel blade
- Liner lock secures the blade in the open position

PART #	DESCRIPTION
48-22-1521	Compact Folding Knife

FASTBACK™ FOLDING KNIVES

- Resharpenable stainless steel blade
- Piercing tip allows controlled piercing and smooth cutting
- Liner lock secures the blade in the open position

48-22-1520

48-22-1524

PART #	DESCRIPTION
48-22-1520	FASTBACK™ Folding Knife
48-22-1524	FASTBACK™ Camo Folding Knife

FASTBACK™ SPRING ASSISTED FOLDING KNIVES

- Press and flip opening
- Stainless steel blade that stays sharp
- Slide lock secures blade

48-22-1530

48-22-1535

PART #	DESCRIPTION
48-22-1530	FASTBACK™ Spring Assisted Folding Knife
48-22-1535	FASTBACK™ Camo Spring Assisted Folding Knife

FASTBACK™ 5-IN-1 FOLDING KNIFE

- Press and flip opening
- Includes a fold-out 1 /4" bit holder along with a reversible PH2 and SL1/4" bit
- Liner lock secures the blade in the open position

PART #	DESCRIPTION
48-22-1540	FASTBACK™ 5-in-1 Folding Knife

HARDLINE KNIVES

- D2 steel blade delivers wear resistance
- Flipper with bearing system allows fast, smooth opening
- Steel frame lock provides a strong, secure lock for tough applications

PART #	DESCRIPTION
48-22-1997	2.5" HARDLINE Smooth Blade Pocket Knife
48-22-1998	3" HARDLINE Serrated Blade Pocket Knife
48-22-1999	3.5" HARDLINE Smooth Blade Pocket Knife
48-22-1994	3" HARDLINE Smooth Blade Pocket Knife

KNIFE SHARPENER

- Large finger loop for secure grip and added control while sharpening
- 3 sharpening surfaces: coarse carbide for quick edge setting, fine ceramic to finish the sharpened edge and diamond grit for freestyle specialty blade sharpening
- Magnetic base for easy and convenient storage on the jobsite

PART #	DESCRIPTION
48-22-1590	Compact Jobsite Knife Sharpener

UTILITY BLADES

- Iron carbide deposited metal for longer lifetime
- Optimised cutting angle geometry for sharpness
- Extra ground cutting edge for cleaner cuts

PART #	DESCRIPTION
48-22-1905	5pc General Purpose Utility Blades
48-22-1950	50pc General Purpose Utility Blades w/ Dispenser
48-22-1932	5pc Hook Utility Knife Blades

SNAP-OFF KNIVES

- Auto lock slide for faster blade adjustments
- Microcarbide blade for longer blade life
- Overmolded handle offers a slip resistant grip and is acetone resistant

PART #	DESCRIPTION
48-22-1960	9mm Snap Off Knife with Precision Cut Blade
48-22-1961	18mm Snap Off Knife with Precision Cut Blade
48-22-1962	25mm Snap Off Knife with Precision Cut Blade

FASTBACK HAWKBILL FOLDING KNIVES

- Press and flip opening
- Stainless steel blade that stays sharp
- Liner lock secures the blade in the open position

48-22-1525

48-22-1526

PART #	DESCRIPTION
48-22-1525	FASTBACK Hawkbill Folding Knife
48-22-1526	FASTBACK Blunt Tip Hawkbill Folding Knife

LINEMAN'S HAWKBILL KNIFE

- Stainless steel blade that is optimized to stay sharper longer
- STICKWORK™ 3-in-1 Ring makes the knife compatible with shotgun and universal-style hot sticks
- Durable molded sheath with belt clip makes it easier to carry and store the knife safely

PART #	DESCRIPTION
48-22-1923	Lineman's Blunt Tip Hawkbill Knife w/ STICKWORK 3-in-1 Ring
48-22-1924	Lineman's Hawkbill Knife w/ STICKWORK 3-in-1 Ring

LINEMAN'S UNDERGROUND KNIFE

- Stainless steel utility blade is optimized to stay sharper longer
- Ergonomic handle designed for comfortable use
- Durable blade cover for for fast access

PART #	DESCRIPTION
48-22-1929	Lineman's Underground Knife

ELECTRICIAN SCISSOR

- Cable cutting groove for greater leverage
- Rounded grove allows for easy wire stripping
- Cable crimper for crimps up to 6mm

PART #	DESCRIPTION
4932478620	Electrician Scissor

JOBSITE SCISSORS

- All-metal core for added durability
- Ruler markings on blade for measuring and cutting
- Large handle loops for use with gloves

4932479409

4932479410

PART #	DESCRIPTION
48-22-4043	Jobsite Offset Scissors (Metric)
48-22-4044	Jobsite Straight Scissors (Metric)
4932479410	Jobsite Offset Scissors (Imperial)
4932479409	Jobsite Straight Scissors (Imperial)

AVIATION SNIPS

- Chrome plated rust protected forged blades for increased lifetime
- Serrated cutting edges prevent slippage when cutting
- One hand locking mechanism

PART #	DESCRIPTION	COLD ROLLED STEEL	STAINLESS STEEL
4932499011	Left Cutting Aviation Snip	18ga	22ga
4932499014	Right Cutting Aviation Snip	18ga	22ga
4932499018	Straight Cutting Aviation Snip	18ga	22ga
48-22-4542	Left Cutting Offset Aviation Snip	18ga	22ga
48-22-4552	Right Cutting Offset Aviation Snip	18ga	22ga
48-22-4562	Straight Cutting Offset Aviation Snip	18ga	22ga
4932499021	Long Cutting Aviation Snip	20ga	22ga
48-22-4538	Long Cutting Offset Aviation Snip	20ga	22ga
48-22-4569	Bulldog Aviation Snip	16ga	18ga
48-22-4563	3pc Aviation Snips Set	24ga	28ga
48-22-4553	2pc Offset Aviation Snips Set	24ga	28ga

TINNER SNIPS

- Larger handle loops for uses in gloves
- Bolt Lock Technology enables adjustable tightening screws to prevent the blade from loosening
- All-metal contoured handles are designed for durability and comfort

PART #	DESCRIPTION	COLD ROLLED STEEL	STAINLESS STEEL
48-22-4005	280mm (11") Offset Compound Tinner	18ga	20ga

CONSTANT SWING COPPER TUBING CUTTERS

- 4 roller design delivers accurate cuts and prevents walking
- Chrome rollers for added durability and extended performance provide best in class rust protection
- On-board reamer enables fast, easy deburring

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4259	28mm (1") Constant Swing Copper Tubing Cutter	3 - 28.5
48-22-4252	42mm (1.5") Constant Swing Copper Tubing Cutter	3 - 41
48-22-4253	67mm (2.5") Constant Swing Copper Tubing Cutter	16-67
48-22-4256	2pc Replacement Cutter Wheels for Copper	-
48-22-4257	3pc Replacement Reaming Blades	-

MINI COPPER TUBING CUTTERS

- Chrome rollers for added durability and extended performance provide best in class rust protection
- Easy grip knob allows faster adjustment and easier one handed use
- Compact design to cut pipes in restricted areas

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4250	15mm (1/2") Mini Copper Tubing Cutter	3 - 15
48-22-4258	22mm (3/4") Mini Copper Tubing Cutter	3 - 22
48-22-4251	28mm (1") Mini Copper Tubing Cutter	3 - 28.5

CLOSE QUARTERS COPPER TUBING CUTTERS

- Compact size are optimized for tough cuts in tight spaces
- Chrome rollers for added durability and extended performance provide best in class rust protection
- Directional grip allows better handling and quick identification of swing direction for easy use

PART #	DESCRIPTION
48-22-4260	13mm (1/2") Close Quarters Copper Tubing Cutter
48-22-4261	19mm (3/4") Close Quarters Tubing Cutter
48-22-4262	25mm (1") Close Quarters Tubing Cutter

REAMING PEN

- Easy deburring of copper tubing and PVC
- All-metal design for high durability
- Heat treated and black oxide coated blade for extended life

PART #	DESCRIPTION
48-22-4255	Reaming Pen

HIGH-TENSION HACKSAW

- Reinforced metal frame to support higher tension
- Overmould handle ensures secure grip and user comfort
- Internal blade storge for extra 6 blades
- Supplied with 300mm 24 TPI blade

PART #	DESCRIPTION
48-22-0050	305mm (12") High Tension Hacksaw
4932493923	10pc 300mm 24TPI Replacement Blades

COMPACT HACKSAW

- Tool free blade change for changing blades up
- Compact design, ideal for versatile cutting in tight spaces
- Adjustable blade length for easier flush cutting

PART #	DESCRIPTION
48-22-0012	Compact Hacksaw

FOLDING JAB SAW

- Quick tool-free blade change
- Folding blade for easier and safer storage
- Fits all SAWZALL blade for increased versatility
- Supplied with 150mm 18TPI blade

PART #	DESCRIPTION
48-22-0307	Folding Jab Saw
48-00-5053	3pc 150mm 8 TPI Drywall SAWZALL Blades

RASPING JAB SAW

- Ribbed indents to reduce hand slippage
- Compact design for use in confined spaces
- Flat knife pommel for plunge cuts

PART #	DESCRIPTION
48-22-0104	Rasping Jab Saw

PROPEX TUBING CUTTERS

- V-shaped, double-ground steel blade for clean perpendicular cuts and maximum tool life
- One-handed locking mechanism is designed as an easy-to-use lock for improved tool safety
- All-metal core for added durability

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4204	Tubing Cutter	25
48-22-4203	Blade Replacement for Pex Cutter	

RATCHETING PVC CUTTERS

- Durable stainless steel rust proof blade for more cuts
- Quick blade release adds working speed
- Suitable for PVC, CPVC, PEX, PP, PB, PVDF, PE

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4210	42mm (1.6") Ratcheting PVC Cutter	42
48-22-4215	60mm (2.3") Ratcheting PVC Cutter	60
48-22-4211	42mm (1.6") Ratcheting PVC Cutter Replacement Blade	
48-22-4216	60mm (2.3") Ratcheting PVC Cutter Replacement Blade	

ELECTRICIAN TOOLS

LINEMAN'S RATCHETING WRENCHES

- Large directional switches for easy pressing
- Built-in hammer for hammering
- Durable forged steel for longer life

48-22-9213, 48-22-9213M

48-22-9216, 48-22-9216M

PART #	DESCRIPTION
48-22-9213	Lineman's High-Leverage Ratcheting Wrench W/ Smooth Strike Face (3/4", 1", 1-1/8 Square Socket)
48-22-9213M	Lineman's High-Leverage Ratcheting Wrench W/ Milled Strike Face (3/4", 1", 1-1/8 Square Socket)
48-22-9216	Lineman's 5in1 Ratcheting Wrench W/ Smooth Strike Face (3/4", 1", 1-1/8 Square Sockets, 9/16", 3/4" 12-Point Sockets)
48-22-9216M	Lineman's 5in1 Ratcheting Wrench W/ Milled Strike Face (3/4", 1", 1-1/8 Square Sockets, 9/16", 3/4" 12-Point Sockets)

INSULATED RATCHETING WRENCHES

- 1000V: Certified to IEC 60900 AND ASTM F1505 Standards
- High contrast size markings
- Durable forged steel for longer life

PART #	DESCRIPTION
48-22-9212	Lineman's 4in1 Insulated Ratcheting Box Wrench (1/2", 9/16", 5/8", 3/4" 12-point sockets)
48-22-9211	Lineman's 2in1 Insulated Ratcheting Box Wrench (9/16", 3/4" 12-point sockets)

CONDUIT BENDERS

- High contrast markings for the best visibility
- Reinforced hook and pedal for added durability
- Bending references and wear-resistant reference chart are included

Aluminum Conduit Bender

Steel Conduit Bender

PART #	DESCRIPTION
48-22-4070	1/2" Aluminum Conduit Bender
48-22-4071	3/4" Aluminum Conduit Bender
48-22-4072	1" Aluminum Conduit Bender
48-22-4080	1/2" Iron Conduit Bender
48-22-4081	3/4" Iron Conduit Bender
48-22-4082	1" Iron Conduit Bender

FIBERGLASS BOLT CUTTER WITH PIVOTMOVE™ ROTATING HANDLES

- Adaptable rotating handles allow to make more cuts around obstacles common in utility environments
- 1000V UL classified to provide you with added security
- Forged steel bolt cutter blades are custom heat treated for maximum durability

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4218	457mm (18") Fiberglass Bolt Cutter with PIVOTMOVE™ Rotating Handles	9.5
48-22-4224	610mm (24") Fiberglass Bolt Cutters with PIVOTMOVE™ Rotating Handles	11

BOLT CUTTERS WITH POWERMOVE™ EXTENDABLE ARMS

- POWERMOVE handles extend for easier cuts in tough application
- Forged steel blades for strong and durable cutting edge
- Pivoting head for angle adjustment

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4114	355mm (14") Bolt Cutters with POWERMOVE™ Extendable Arms	8
48-22-4124	610mm (24") Bolt Cutters with POWERMOVE™ Extendable Arms	11

BOLT CUTTERS

- Forged steel blades for strong and durable cutting edge
- Blade adjustment screw ensures high performance and longer life
- Comfort grip handles will not peel or slide off

PART #	DESCRIPTION	CUT CAPACITY (mm)
48-22-4014	355mm (14") Bolt Cutters	8
48-22-4018	457mm (18") Bolt Cutters	9.5
48-22-4024	610mm (24") Bolt Cutters	11
48-22-4031	787mm (31") Bolt Cutters	12.5

OUTDOOR TOOLS

PRUNERS

NEW

- Optimized blade design reduces force required to cut through branches, reducing fatigue and improving productivity
- Two-Position Lock provides a smaller max opening to make faster small cuts and reduce hand fatigue when pruning
- Innovative blade attachment can withstand a higher force when cutting through tough materials

PART #	DESCRIPTION	CUT CAPACITY (mm)
4932498622	20mm Pruner	20
4932498621	25mm Pruner	25
4932499680	20mm Pruner With Sheath	20
4932499679	25mm Pruner With Sheath	25
4932498627	Pruner Sheath	

LOPPER

NEW

- Optimized blade design reduces force required to cut, reducing fatigue and improving productivity
- Forged Steel Blade material and coating gives an easy cutting experience for a longer period of time
- Handles made out of lightweight, durable aluminum that reach the bottom of the tool

PART #	DESCRIPTION	CUT CAPACITY (mm)
4932498625	50mm Lopper	50

FIXED PRUNING SAW

NEW

- Optimized tooth geometry provides the fastest cutting performance
- Ultra-sharp teeth provide clean cuts
- Quadruple Hollow-ground blades provide less friction through the cut, requiring less effort

PART #	DESCRIPTION	CUT CAPACITY (mm)
4932498623	355mm Fixed Pruning Saw	152

FOLDING PRUNING SAW

NEW

- Optimized tooth geometry provides the fastest cutting performance
- Ultra-sharp teeth provide clean cuts
- Quadruple Hollow-ground blades provide less friction through the cut, requiring less effort

PART #	DESCRIPTION	CUT CAPACITY (mm)
4932498624	254mm Folding Pruning Saw	203

POLE PRUNING SAW

NEW

- Innovative pruning mechanism reduces force required to cut through branches, reducing fatigue and improving productivity
- Fiberglass base pole with aluminum internal poles provide a balance of lightweight and durable
- Pole design improves stability of the pole when extended, providing more control when making cuts

PART #	DESCRIPTION	CUT CAPACITY (mm)
4932498626	4.8m Pole Pruning Saw	Saw: 177 , Pruner: 31

SPLITTING AXES

- Precision-beveled blade ensures optimal sharpness for precise, efficient wood splitting
- Forged steel blade for superior strength and long-lasting sharpness
- Durable handle with steel reinforcement and a full metal core that resists bending
- Includes a sheath for easy transport and safe storage

PART #	DESCRIPTION	
48-22-9061	40cm Splitting Axe (16")	
48-22-9062	66cm Splitting Axe (26")	
4932500738	91cm Splitting Axe (36")	NEW

SLEDGEHAMMERS

NEW

- SECURESTRIKE delivers the more secure handle connection and is designed to keep heads from dislodging in aggressive jobsite applications
- Stronger handle, featuring steel-reinforced fiberglass to protect against overstrikes
- SHOCKSHIELD handle delivers the ultimate vibration reduction and reduces fatigue during demolition

PART #	DESCRIPTION
4932500735	8lb Sledgehammer
4932500736	10lb Sledgehammer

PICK MATTOCK

NEW

- SECURESTRIKE delivers the more secure handle connection and is designed to keep heads from dislodging in aggressive jobsite applications
- Stronger handle, featuring steel-reinforced fiberglass to protect against overstrikes
- SHOCKSHIELD handle delivers the ultimate vibration reduction and reduces fatigue when striking hard topsoil

PART #	DESCRIPTION
4932500737	5lb Pick Mattock

SPLITTING MAUL

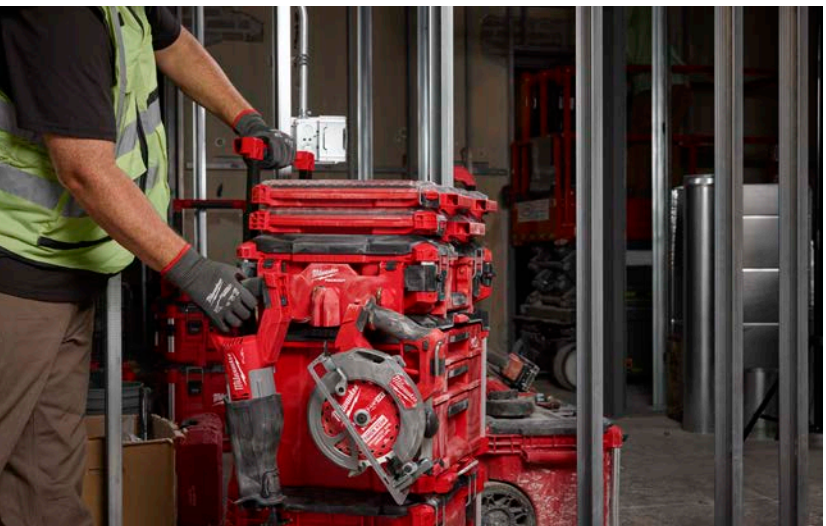
NEW

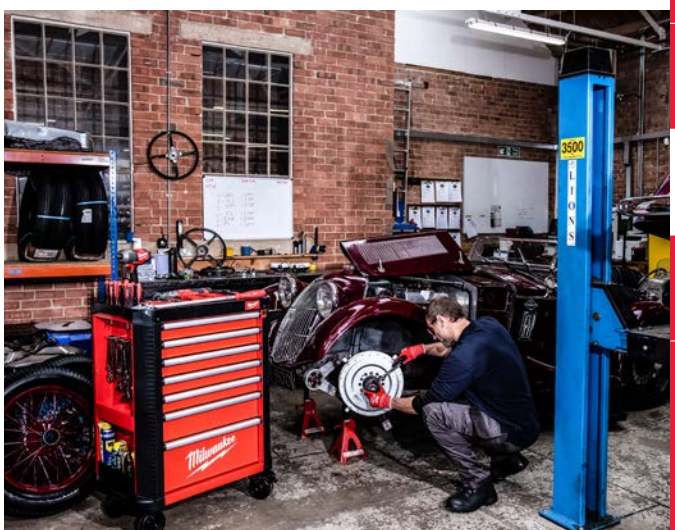
- SECURESTRIKE delivers the more secure handle connection and is designed to keep heads from dislodging in aggressive jobsite applications
- Stronger handle, featuring steel-reinforced fiberglass to protect against overstrikes
- SHOCKSHIELD handle delivers the ultimate vibration reduction and reduces fatigue when striking wedges and splitting rounds

PART #	DESCRIPTION
4932500739	8lb Splitting Maul

PACKOUT AND STORAGE

Rolling Storage, Tool Boxes, Organizers, Soft Storage, Accessories, Steel Storage





MOST VERSATILE DURABLE
MODULAR STORAGE SYSTEM

MILWAUKEE PACKOUT
Jobsite Storage Totes

MILWAUKEE PACKOUT
Organizers

MILWAUKEE PACKOUT
Tool Boxes

MILWAUKEE PACKOUT
Rolling Tool Box

PACKOUT ROLLING STORAGE

PACKOUT™ ROLLING DRAWER

- Quick one-handed opening
- Most versatile dividers for storage optimization
- Interior organization tray included for additional storage

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8420	PACKOUT™ Rolling Drawer Toolbox	113 kg	432 mm	330 mm	406 mm

PACKOUT™ ROLLING TOOL BOX

- Impact resistant body
- 9" All terrain wheels
- IP65 rated protection

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8427	PACKOUT™ Low-Profile Rolling Tool Box	113 kg	485 mm	371 mm	353 mm

3-TIER HANDLE

- Fully collapsible handle: 50cm
- 113kg capacity
- Quick, one-tool install

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8027	Low-Profile Handle for PACKOUT™ Rolling Tool Box	113 kg

PACKOUT™ DOLLY

- Locking casters
- Quickstop loading lever
- Smooth roll wheels

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8410	PACKOUT™ Flat Dolly	113 kg

PACKOUT™ 2-WHEEL CART

- Stack or hang
- 10" Flat-free wheels
- Folding load plate for compact storage

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8415	PACKOUT™ 2-Wheel Cart	182 kg

PACKOUT™ ROLLING TOOL CHEST

- Dual stack top
- Impact resistant base
- 9" All-terrain wheels
- Protective lid seal
- 132 Liter capacity

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8428	PACKOUT™ Rolling Tool Chest	113 kg	825 mm	495 mm	305 mm

PACKOUT TOOL BOXES

PACKOUT™ DRAWER TOOL BOXES

- Locking security bar
- Quick-adjust dividers
- Metal ball bearing drawer slides

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8442	PACKOUT™ 2-Drawer	23 kg	414 mm	318 mm	127 mm
48-22-8443	PACKOUT™ 3-Drawer	23 kg	414 mm	318 mm	76 mm
48-22-8444	PACKOUT™ 4-Drawer	23 kg	414 mm	318 mm	58 mm
48-22-8447	PACKOUT™ Multi-Depth 3-Drawer	23 kg	414 mm	318 mm	64/127 mm

CUSTOMIZABLE FOAM INSERTS FOR PACKOUT™ DRAWER TOOL BOXES

- Layered foam for easy customization
- Durable construction provides increased protection for tools

PART #	DESCRIPTION
48-22-8452	Customizable Foam Insert for PACKOUT™ Drawers
48-22-8453	Customizable Low-Profile Foam Insert for PACKOUT™ Drawers

PACKOUT™ TOOL BOXES

- Impact resistant body
- Interior organizer tray
- IP65 rated protection

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8423	PACKOUT™ XL Tool Box with Top Handle	45 kg	485 mm	371 mm	353 mm
48-22-8424	PACKOUT™ Tool Box	34 kg	500 mm	335 mm	114 mm
48-22-8425	PACKOUT™ Large Tool Box	45 kg	500 mm	335 mm	216 mm

PACKOUT™ TOOL CASE

- Impact resistant body
- IP65 rated protection
- Customize your insert

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8450	PACKOUT™ Tool Case with Foam Insert	34 kg	482 mm	320 mm	114 mm

CUSTOMIZABLE FOAM INSERT FOR PACKOUT™ TOOL BOXES

- Layered foam for easy customization
- Durable construction provides increased protection for tools

PART #	DESCRIPTION
48-22-8451	PACKOUT™ Foam Insert

PACKOUT™ COMPACT TOOL BOX

- Impact resistant base
- Quick-adjust dividers
- IP65 rated protection

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8422	PACKOUT™ Compact Tool Box	34 kg	229 mm	363 mm	269 mm

PACKOUT™ CABINET

- Secure stack or hang
- Quick access door
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8445	PACKOUT™ Cabinet	23 kg

PACKOUT™ TOOL CADDY

- Stack or store
- Quick-adjust dividers
- Stores inside: Rolling Tool Chest, Rolling Tool Box, XL Tool Box, Large Tool Box

PART #	DESCRIPTION
48-22-8045	PACKOUT™ Tool Caddy

PACKOUT™ CRATE

- Stack or hang
- 0.03 Cubic meter of storage capacity
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8440	PACKOUT Crate	23 kg	406 mm	335 mm	234 mm

PACKOUT™ CRATE DIVIDER

- Divides PACKOUT™ crate in half
- Multi-function mounting holes
- Constructed to support compact PACKOUT™ solutions on top of the crate

PART #	DESCRIPTION
48-22-8040	Divider for PACKOUT™ Crate

PACKOUT ORGANIZERS

PACKOUT™ TILT BIN ORGANIZER

- 2 Large and 8 small quick-access bins
- Secure hang or stack
- Locking security bar

PART #	DESCRIPTION	Weight Capacity
48-22-8433	PACKOUT Tilt Bin Organizer	18 kg

LARGE BIN FOR PACKOUT™ TILT BIN ORGANIZER

- Clear bins: easy identification
- Label windows
- Impact resistant body

PART #	DESCRIPTION
48-22-8434	Large Bin for PACKOUT™ Tilt Bin Organizer

PACKOUT™ ORGANIZERS

- IP65 rated protection
- No-travel bin seals
- Removable storage bins

PART #	DESCRIPTION	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8430	PACKOUT™ Organizer	457 mm	305 mm	99 mm
48-22-8435	PACKOUT™ Compact Organizer	203 mm	305 mm	99 mm

PACKOUT™ LOW-PROFILE ORGANIZERS

- IP65 rated protection
- No-travel bin seals
- Removable storage bins and dividers

PART #	DESCRIPTION	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8431	PACKOUT™ Low-Profile Organizer	457 mm	305 mm	46 mm
48-22-8436	PACKOUT™ Low-Profile Compact Organizer	203 mm	305 mm	46 mm

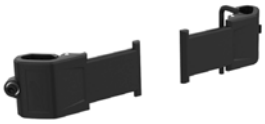
PACKOUT™ DEEP ORGANIZER

- Impact resistant body
- IP65 rated protection
- Quick-adjust dividers

PART #	DESCRIPTION	WEIGHT CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8432	PACKOUT Deep Organizer	23 kg	457 mm	305 mm	139 mm

PACKOUT TOOL BOX ATTACHMENTS

PACKOUT™ TOOL BOX ATTACHMENT MOUNTS



- Reinforced rack to securely lock onto metal-reinforced corners
- Easily connect or swap out attachments
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY
4932498643	PACKOUT™ Tool Box Attachment Mount	11 kg

PACKOUT™ TOOL BOX CADDY ATTACHMENT

- Stores: Hand Tools, Accessories, and More
- Reinforced belt clip rack for optimized storage
- Adjustable dividers can be removed when not in use

PART #	DESCRIPTION
4932498644	PACKOUT™ Tool Box Caddy Attachment

PACKOUT™ TOOL BOX M18 BATTERY RACK ATTACHMENT

- Stores: (3) M18 Batteries
- Impact resistant body
- Clip-in battery storage

PART #	DESCRIPTION
4932498645	PACKOUT™ Tool Box M18 Battery Rack Attachment

PACKOUT™ TOOL BOX M12 BATTERY RACK ATTACHMENT

- Stores: (3) M12 Batteries
- Impact resistant body
- Clip-in battery storage

PART #	DESCRIPTION
4932498646	PACKOUT™ Tool Box M12 Battery Rack Attachment

PACKOUT™ TOOL BOX TRAY ATTACHMENT

- Stores: Bins, Bit Cases, and more
- Impact resistant body
- Quick access storage

PART #	DESCRIPTION
4932498647	PACKOUT™ Tool Box Tray Attachment

PACKOUT™ TOOL BOX COMPACT PLATE

- Stores: Hooks, Racks, Compact Organizers & more
- Impact resistant body
- Quick access storage

PART #	DESCRIPTION	WEIGHT CAPACITY
4932498648	PACKOUT™ Tool Box Compact Plate	14 kg

PACKOUT™ TOOL BOX LONG TOOL HOLDER ATTACHMENT

- Stores: Levels, Conduit Benders and more
- Impact resistant body
- Spring-loaded gates for secure tool storage

PART #	DESCRIPTION	WEIGHT CAPACITY
4932498649	PACKOUT™ Tool Box Long Tool Holder Attachment	11 kg

PACKOUT™ TOOL BOX 3-HOOK ATTACHMENT

- Stores: Power Tools and more
- Adjustable 3-position hooks
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY
4932498650	PACKOUT™ Tool Box 3-Hook Attachment	14 kg

PACKOUT SOFT STORAGE

PACKOUT™ STRUCTURED BACKPACK

- Tear-Resistant: Layered 1680D & 1800D Ballistic Materials for utimate durability
- Reinforced structure holds shape
- Padded shoulder strap

PART #	DESCRIPTION	TOTAL POCKETS	WEIGHT CAPACITY
48-22-8303	PACKOUT™ Structured Backpack	42	23 kg

PACKOUT™ BACK PACK

- Tear-Resistant 1680D Ballistic Material
- Impact resistant base
- Optimized storage capacity

PART #	DESCRIPTION	TOTAL POCKETS
48-22-8301	PACKOUT™ Backpack	48

PACKOUT™ TECH BAG

- Tear-Resistant 1680D Ballistic Material
- Impact resistant base
- Optimized storage capacity

PART #	DESCRIPTION	TOTAL POCKETS
48-22-8300	PACKOUT™ Tech Bag	58

PACKOUT™ STRUCTURED TOTES

- Tear-Resistant: Layered 1680D & 1800D Ballistic Materials for utimate durability
- Reinforced structure holds shape
- All metal hardware

PART #	DESCRIPTION	TOTAL POCKETS	WEIGHT CAPACITY
48-22-8317	PACKOUT™ 15" Structured Tote	39	23 kg
48-22-8311	PACKOUT™ 10" Structured Tote	35	23 kg

PACKOUT™ TOTES

- Tear-Resistant 1680D Ballistic Material
- Impact resistant base
- All metal hardware

PART #	DESCRIPTION	TOTAL POCKETS
48-22-8310	PACKOUT™ 10" Tote	28
48-22-8315	PACKOUT™ 15" Tote	31
48-22-8320	PACKOUT™ 20" Tote	32

PACKOUT™ STRUCTURED TOOL BAGS

- Tear-Resistant: Layered 1680D & 1800D Ballistic Materials for utimate durability
- Reinforced structure holds shape
- All metal hardware

PART #	DESCRIPTION	TOTAL POCKETS	WEIGHT CAPACITY
48-22-8316	PACKOUT™ 15" Structured Tool Bag	65	23 kg

PACKOUT™ TOOL BAGS

- Tear-Resistant 1680D Ballistic Material
- Impact resistant base
- All metal hardware

PART #	DESCRIPTION	TOTAL POCKETS
48-22-8321	PACKOUT™ 15" Tool Bag	2
48-22-8322	PACKOUT™ 20" Tool Bag	8

PACKOUT MOUNTING AND SURFACE

PACKOUT™ CUSTOMIZABLE WORK TOP

- Fastener-ready mounting surface
- Replaceable wood top
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8488	PACKOUT™ Customizable Work Top	23 kg

PACKOUT™ RACKING SHELF

- Impact resistant body
- Versatile Mounting: E-track Compatible
- Integrated tie down points

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8481	PACKOUT™ Racking Shelf	23 kg

PACKOUT™ ADAPTOR FOR HEAVY DUTY BOX

NEW

- Enables to carry heavy duty boxes on top of PACKOUT™ boxes
- Impact Resistant Body

PART #	DESCRIPTION
4932464081	PACKOUT™ Adaptor for Heavy Duty Box

VERTICAL E-TRACK FOR PACKOUT™ SHELVES

- Heavy duty steel construction
- For use with PACKOUT™ Racking Shelves
- (5) E-track mounting slots per piece

PART #	DESCRIPTION
48-22-8482	Vertical E-Track for PACKOUT Shelf

PACKOUT™ MOUNTING PLATE

- Multiple mounting options
- Impact resistant body
- Metal reinforced mounting points

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8485	PACKOUT™ Mounting Plate	45 kg (Floor) / 23 kg (Wall)

PACKOUT™ COMPACT WALL PLATE

- Impact resistant body
- Quick alignment tabs
- Metal reinforced mounting tracks

PART #	DESCRIPTION	WALL MOUNTED WEIGHT CAPACITY	TRANSIT WEIGHT CAPACITY
48-22-8496	PACKOUT™ Compact Wall Plate	23 kg	11 kg

PACKOUT™ 2-SHELF RACKING KIT

- Metal-reinforced frame
- Versatile mounting
- Impact resistant body

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8480	PACKOUT™ Shelving Kit	23 kg

PACKOUT™ LARGE WALL PLATE

- Impact resistant body
- Quick alignment tabs
- Metal reinforced mounting tracks

PART #	DESCRIPTION	WALL MOUNTED WEIGHT CAPACITY	TRANSIT WEIGHT CAPACITY
48-22-8497	PACKOUT™ Large Wall Plate	68 kg	34 kg

PACKOUT WALL ACCESSORIES AND BINS

STANDARD BIN SET FOR PACKOUT™

- Hang or store
- Removable dividers
- Can be stored in PACKOUT Organizers

PART #	DESCRIPTION
48-22-8062	PACKOUT 4"x4" Nesting Bin

LARGE BIN SET FOR PACKOUT™

- Hang or store
- Removable dividers
- Can be stored in PACKOUT Organizers

PART #	DESCRIPTION
48-22-8063	PACKOUT™ 4"x8" Nesting Bin

PACKOUT™ STRAIGHT UTILITY HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8330	PACKOUT™ Straight Utility Hook	11 kg

PACKOUT™ BATTERY HOLDER

- Secure locking mechanism
- Clip-in battery storage
- Quick access organization

PART #	DESCRIPTION
48-22-8338	PACKOUT™ M12 Battery Holder
48-22-8339	PACKOUT™ M18 Battery Holder

PACKOUT™ SMALL STRAIGHT UTILITY HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8334	PACKOUT™ Small Straight Utility Hook	6.8 kg

PACKOUT™ CURVED UTILITY HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8331	PACKOUT™ Curved Utility Hook	11 kg

PACKOUT™ LARGE HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8332	PACKOUT™ Large Hook	11 kg

PACKOUT™ LARGE S HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8333	PACKOUT™ Large S Hook	9 kg

PACKOUT™ SMALL CURVED UTILITY HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Protective anti-slip rubber grips

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8335	PACKOUT™ Small Curved Utility Hook	6.8 kg

PACKOUT™ 4" SINGLE STRAIGHT HOOK

- Secure locking mechanism
- Reinforced hook maintains shape
- Fully customize your shop

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8328	PACKOUT 4" Single Straight Hook	6.8 kg

PACKOUT™ MAGNETIC BIN

- Stores: Fasteners, Power Tool Accessories, and more
- Hang or store
- Can be stored in PACKOUT Low-Profile Organizers

PART #	DESCRIPTION
48-22-8070	PACKOUT™ Magnetic Bin

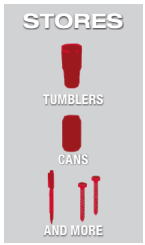
PACKOUT™ LARGE MAGNETIC BIN

- Stores: Fasteners, Power Tool Accessories, and more
- Hang or store
- Can be stored in PACKOUT Low-Profile Organizers

PART #	DESCRIPTION
48-22-8071	PACKOUT™ Large Magnetic Bin

PACKOUT™ CUP HOLDER

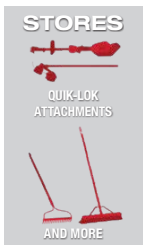
- Secure locking mechanism
- Quick access organization
- Fully customize your shop



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8336	PACKOUT™ Cup Holder	4.5 kg

PACKOUT™ LONG HANDLE TOOL HOLDER

- Secure locking mechanism
- Anti-slip rubber grips
- Quick access tool clamps



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8348	PACKOUT™ Long Handle Tool Holder	6.8 kg

PACKOUT™ PAPER TOWEL HOLDER

- Secure locking mechanism
- Quick roll replacement latch
- Fully customize your shop

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8337	PACKOUT™ Paper Towel Holder	2.3 kg

PACKOUT™ 7-HOOK RACK

- Secure locking mechanism
- Reinforced hook maintains shape
- Fully customize your shop

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8329	PACKOUT™ 7-Hook Rack	11 kg

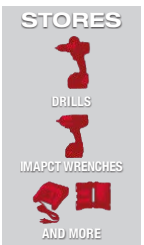
PACKOUT™ COMPACT WALL BASKET

- Secure locking mechanism
- Quick access organization
- Fully customize your shop

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8342	PACKOUT™ Compact Wall Basket	9 kg

PACKOUT™ DRILL STORAGE STATION

- Secure locking mechanism
- Quick access tool slots
- Impact resistant body



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8343	PACKOUT™ Drill Storage Station	11 kg

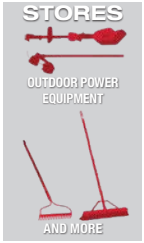
PACKOUT™ BELT CLIP RACK

- Secure locking mechanism
- Reinforced rack maintains shape
- Quick access organization

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8344	PACKOUT™ Belt Clip Rack	9 kg

PACKOUT™ LONG HANDLED STORAGE

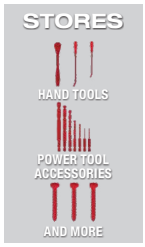
- Secure locking mechanism
- Quick access tool slots
- Anti-slip rubber grips



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8349	PACKOUT™ Long Handled Storage	23 kg

PACKOUT™ MAGNETIC RACK

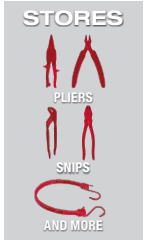
- Secure locking mechanism
- 3 Magnetic faces
- Quick access tool clamps



PART #	DESCRIPTION
48-22-8346	PACKOUT™ Magnetic Rack

PACKOUT™ PLIERS RACK

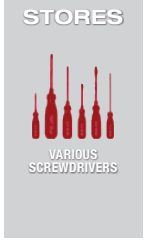
- Secure locking mechanism
- Quick access bars
- Fully customize your shop



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8340	PACKOUT™ Pliers Rack	6.8 kg

PACKOUT™ SCREWDRIVER RACK

- Secure locking mechanism
- 34 Multi-size slots
- Fully customize your shop



PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8341	PACKOUT™ Screwdriver Rack	6.8 kg

PACKOUT™ SMALL SHELF

- Secure locking mechanism
- Fits 4 small bins and 2 large bins
- Quick access organization

PART #	DESCRIPTION	WEIGHT CAPACITY
48-22-8347	PACKOUT™ Small Shelf	9 kg

PACKOUT COOLERS & DRINKWARES

PACKOUT™ INSULATED MUGS

- PACKOUT connectivity. Twist to lock
- All-day hot & cold retention
- Leakproof sip lid

PART #	DESCRIPTION
48-22-8394R	PACKOUT™ 18oz Insulated Mug with Sip Lid - Red
48-22-8394B	PACKOUT™ 18oz Insulated Mug with Sip Lid - Black

PACKOUT™ INSULATED BOTTLES WITH SIP LID

- PACKOUT connectivity. Twist to lock
- All-day hot & cold retention
- Leakproof sip lid

PART #	DESCRIPTION
48-22-8391R	PACKOUT™ 12oz Insulated Bottle With Sip Lid - Red
48-22-8391B	PACKOUT™ 12oz Insulated Bottle With Sip Lid - Black
48-22-8395R	PACKOUT™ 18oz Insulated Bottle with Sip Lid - Red
48-22-8395B	PACKOUT™ 18oz Insulated Bottle with Sip Lid - Black

PACKOUT™ INSULATED BOTTLES WITH CHUG LID

- PACKOUT connectivity. Twist to lock
- All-day hot & cold retention
- Leakproof chug lid

PART #	DESCRIPTION
48-22-8382R	PACKOUT™ 18oz Insulated Bottle with Chug Lid - Red
48-22-8382B	PACKOUT™ 18oz Insulated Bottle with Chug Lid - Black
48-22-8396R	PACKOUT™ 24oz Insulated Bottle with Chug Lid - Red
48-22-8396B	PACKOUT™ 24oz Insulated Bottle with Chug Lid - Black
48-22-8397R	PACKOUT™ 36oz Insulated Bottle with Chug Lid - Red
48-22-8397B	PACKOUT™ 36oz Insulated Bottle with Chug Lid - Black

PACKOUT™ PLASTIC BOTTLES

- PACKOUT connectivity. Twist to lock
- Leakproof chug lid
- Impact resistant body

PART #	DESCRIPTION
4932498636	PACKOUT™ 740ml Bottle with Chug Lid - Red
4932498639	PACKOUT™ 740ml Bottle with Chug Lid - Black
4932498637	PACKOUT™ 1005ml Bottle with Chug Lid - Red
4932498640	PACKOUT™ 1005ml Bottle with Chug Lid - Black
4932498638	PACKOUT™ 1420ml Bottle with Chug Lid - Red
4932498641	PACKOUT™ 1420ml Bottle with Chug Lid - Black

PACKOUT™ TUMBLERS

- PACKOUT connectivity. Twist to lock
- Rotating magnetic closure for easy open/ close
- Double wall vacuum insulation for both hot and cold retention

PART #	DESCRIPTION
48-22-8392B	PACKOUT™ 20oz Tumbler - Black
48-22-8392R	PACKOUT™ 20oz Tumbler - Red
48-22-8393B	PACKOUT™ 30oz Tumbler - Black
48-22-8393R	PACKOUT™ 30oz Tumbler - Red

PACKOUT™ DRINKWARE LIDS

- Leakproof lids
- Easy cleaning, quick disassembly
- Dishwasher safe

PART #	DESCRIPTION
48-22-8389	PACKOUT™ Sip Lid
4932498642	PACKOUT™ Chug Lid for Plastic Bottles
48-22-8388	PACKOUT™ Chug Lid for Insulated Bottles

PACKOUT™ TWIST TO LOCK MOUNT

- PACKOUT connectivity. Twist to lock
- Secure mounting, fastener ready
- Secure PACKOUT™ Drinkware on a variety of surfaces

PART #	DESCRIPTION
48-22-8399	PACKOUT™ Twist-to-Lock Mount 3PK
48-22-8399X	PACKOUT™ Twist-to-Lock Mount

PACKOUT™ COOLER

- Holds ice for 24 hours
- Impact resistant base
- Food grade leak-proof liner

PART #	DESCRIPTION
48-22-8302	PACKOUT Jobsite Cooler

PACKOUT™ 16QT COMPACT COOLER

- Holds ice for 30 hours
- IP65 rated protection
- Removable interior tray

PART #	DESCRIPTION	CAPACITY	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8460	PACKOUT™ 15L Compact Cooler	15L	198 mm	241 mm	330 mm

PACKOUT™ 40QT XL COOLER

- Holds ice for 5 days
- IP65 rated protection
- Removable interior tray

PART #	DESCRIPTION	INTERNAL LENGTH	INTERNAL WIDTH	INTERNAL HEIGHT
48-22-8462	PACKOUT™ XL Cooler	406 mm	267 mm	318 mm

PACKOUT™ COOLER DIVIDER

- Stores inside PACKOUT 40QT XL Cooler
- Food-grade cutting board & divider
- Cut resistant

PART #	DESCRIPTION
48-22-8041	Divider for PACKOUT™ XL Cooler

PACKOUT RACK

PACKOUT™ RACK

NEW

- Stack & expand
- Customizable drawer layout
- Ultimate PACKOUT access

PART #	DESCRIPTION
48-21-8000	PACKOUT™ Rack

PACKOUT™ RACK DRAWER

NEW

- Customizable drawer layout
- Easy setup stays
- Securely closed

PART #	DESCRIPTION	WEIGHT CAPACITY
48-21-8040	PACKOUT™ Rack Drawer	23kg

PACKOUT™ RACK FRAME

NEW

- 2-Piece rail for ease of installation and adjusting height
- Stack up to 3 racks high
- Maximize storage space with adjustable legs

PART #	DESCRIPTION
48-21-8010	PACKOUT™ Rack Frame

PACKOUT™ RACK KIT

NEW

- Stack & expand
- Customizable drawer layout
- Ultimate PACKOUT access

PART #	DESCRIPTION	WEIGHT CAPACITY
48-21-8070	PACKOUT™ Rack Kit	181 kg

STEEL STORAGE

HIGH CAPACITY STEEL STORAGE

- Soft-close drawer slides
- Reinforced frames
- Industrial casters

PART #	DESCRIPTION	LOAD CAPACITY	DRAWER SLIDES WEIGHT CAPACITY
48-22-8536	36" High Capacity 12-Drawer Steel Storage	816 kg	54 kg
48-22-8549	41" High Capacity 18-Drawer Steel Storage	1134 kg	54 kg
48-22-8546	46" High Capacity 18-Drawer Steel Storage	1134 kg	54 kg
48-22-8556	56" 18-Drawer High Capacity Steel Storage Combo	1361 kg	68 kg

MOBILE WORK STATION

- Soft-close drawer slides
- Reinforced frames & industrial casters
- Solid wood top or stainless steel top

PART #	DESCRIPTION	LOAD CAPACITY	DRAWER SLIDES WEIGHT CAPACITY
48-22-8539	40" 6-Drawer Mobile Work Station with Wood Top	816 kg	54 kg
48-22-8540	40" 6-Drawer Mobile Work Station with Stainless Steel Top	816 kg	54 kg
48-22-8562A	61" High Capacity 11-Drawer Mobile Workbench with Wood Top	1361kg	54 kg
48-22-8562S	61" High Capacity 11-Drawer Mobile Workbench with Stainless Steel Top	1361 kg	54 kg

HIGH CAPACITY MOBILE WORKBENCH

- Soft-close drawer slides reinforced frames &
- Industrial casters
- Solid wood top with UV poly-coating

PART #	DESCRIPTION	LOAD CAPACITY	DRAWER SLIDES WEIGHT CAPACITY
48-22-8553	52" High Capacity Mobile Workbench	1134 kg	54 kg
48-22-8559	52" High Capacity Industrial 12-Drawer Mobile Workbench	1134 kg	54 kg

STEEL WORK CART

- Soft-close drawer slides
- Reinforced frames
- Industrial casters

PART #	DESCRIPTION	LOAD CAPACITY	DRAWER SLIDES WEIGHT CAPACITY
48-22-8590	40" Steel Work Cart	318 kg	45-90 kg

HIGH CAPACITY STEEL LOCKER

- Height adjustable shelves and door trays for optimized customization
- Reinforced frames
- Industrial casters

PART #	DESCRIPTION	LOAD CAPACITY
48-22-8586	27" High Capacity Steel Locker	907 kg

STEEL STORAGE ROLLING CABINET

- Soft-close drawer slides
- Anti-tilt mechanism allows only 1 drawer to be open at a time

PART #	DESCRIPTION	LOAD CAPACITY	DRAWER SLIDES WEIGHT CAPACITY
SRC30-1	30" 7-Drawer Steel Storage Rolling Cabinet	800 kg	45 - 90 kg
SRC27/7-1	27" 7-Drawer Steel Storage Rolling Cabinet	625 kg	35 - 70 kg

STEEL STORAGE TOP CHEST

- Soft-close drawer slides
- Anti-tilt mechanism allows only 1 drawer to be open at a time

PART #	DESCRIPTION	DRAWER SLIDES WEIGHT CAPACITY
STC30-1	30" 4-Drawer Steel Storage Top Chest	45 kg

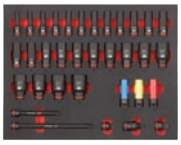
FOAM INSERTS FOR STEEL STORAGE

EMPTY FOAM INSERTS

- High-density foam for ultimate durability
- Laser cut to maximize storage space
- Flexibility for tailoring tool storage to exact needs

PART #	DESCRIPTION
4932492389	1/3" Empty Foam with cavities for 46" Steel Storage
4932492390	3/3" Empty Foam with cavities for 46" Steel Storage
4932493635	Empty Foam for 46" Steel Storage Width 165mm
4932493636	Empty Foam for 46" Steel Storage Width 115mm

SHOCKWAVE IMPACT DUTY™ SOCKET FOAM SETS



- High-quality alloy steel that offers ultimate strength
- Stamped and ink-filled diameter markings
- High-density foam for ultimate durability

PART #	DESCRIPTION
4932493396	3/4" Sockets STD Foam Set - 12 pcs
4932493394	1/2" Sockets Deep Foam Set - 34 pcs
4932493392	1/2" Sockets STD Foam Set - 32 pcs
4932493390	3/8" Sockets Deep Foam Set - 23 pcs
4932493388	3/8" Sockets STD Foam Set - 23 pcs
4932493386	1/4" Sockets Deep Foam Set - 17 pcs

WRENCH AND SPANNER FOAM SETS

- Chrome plating for best-in-class rust protection
- Ergonomic handle design
- High-density foam for ultimate durability

PART #	DESCRIPTION
4932492397	Adjustable Wrench Foam Set - 3 pcs
4932479828	Maxbite Ratcheting Combination Spanner Foam Set
4932479827	Maxbite Combination Spanner Foam Set
4932479829	Maxbite Flex Head Spanner Foam Set
4932493628	Flare Nut Spanner Foam Set - 6 pcs
4932493630	Double Open End Spanner Foam Set - 4 pcs
4932493629	Double Open End Spanner Foam Set - 10 pcs

RATCHET AND SOCKET FOAM SETS

- 90 tooth design with 4 °of arc swing for tight work spaces
- FOUR FLAT™ sides on socket deter rolling
- High-density foam for ultimate durability

PART #	DESCRIPTION
4932479826	1/2" Ratchet and Socket Foam Set
4932479825	3/8" Ratchet and Socket Foam Set
4932479824	1/4" Ratchet and Socket Foam Set

PLIER FOAM SETS

- Induction hardened cutting edges for cutting hard and soft wires
- Ergonomic grip
- High-density foam for ultimate durability

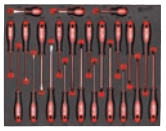
PART #	DESCRIPTION
4932493460	VDE Pliers Foam Set - 4 pcs
4932493250	VDE Pliers Foam Set - 4 pcs
4932493631	Pliers Foam Set - 4 pcs
4932493256	Pliers Foam Set - 3 pcs
4932493255	Waterpump Pliers and Locking Pliers Foam Set - 2 pcs
4932493633	Circlip Pliers Foam Set - 6 pcs
4932493632	Circlip Pliers Foam Set - 3 pcs
4932493251	Grip Pliers Foam Set - 11 pcs
4932493634	Locking Plier Foam Set - 5 pcs

HAMMER FOAM SETS

- Precision balanced design for optimized control
- Anti-slip grip handle
- High-density foam for ultimate durability

PART #	DESCRIPTION
4932493254	Ball Peen and Dead Blow Hammer Foam Set - 2 pcs
4932493253	Engineer and Dead Blow Hammer Foam Set - 2 pcs

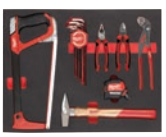
SCREWDRIVER FOAM SETS



- Comfortable handle maximum comfort and high torque applications
- Permanent visible ID markings for quick tool identification
- High-density foam for ultimate durability

PART #	DESCRIPTION
4932493249	VDE Trilobe Screwdriver Foam Set - 8 pcs
4932479830	Trilobe Screwdriver Foam Set
4932492394	Screwdriver SL & PH Foam Set - 7 pcs
4932492395	Screwdriver SL Foam Set - 7 pcs
4932492393	Screwdriver PH Foam Set - 5 pcs
4932492392	Screwdriver TX Foam Set - 6 pcs
4932492391	Screwdriver TX Foam Set - 7 pcs

HAND TOOLS FOAM SETS



- High-density foam for ultimate durability
- Laser cut to maximize storage space
- Quick and easy identification of tools and accessories

PART #	DESCRIPTION
4932493252	Cutting and Measuring Foam Set - 3 pcs
4932493257	General Tooling Foam Set - 15 pcs

BELTS, POUCHES AND BACKPACKS

JOBSITE BACKPACK

- 1680D ballistic material
- Reinforced base
- Rugged metal zippers

PART #	DESCRIPTION
48-22-8200	Jobsite Backpack

LOW-PROFILE BACKPACK

- 1680D ballistic material
- Reinforced base
- Rugged metal zippers

PART #	DESCRIPTION
48-22-8202	Low-Profile Backpack

PERFORMANCE TRAVEL BACKPACK

- 1680D ballistic material
- Reinforced base
- Rugged metal zippers

PART #	DESCRIPTION
48-22-8205	Performance Travel Backpack

TRADESMAN BACKPACK

- 1680D ballistic material
- Reinforced base
- Rugged metal zippers

PART #	DESCRIPTION
48-22-8620	Tradesman Backpack

ULTIMATE JOBSITE BACKPACK

- 1680D ballistic material
- Reinforced base
- Rugged metal zippers

PART #	DESCRIPTION
48-22-8201	Ultimate Jobsite Backpack

CONTRACTOR WORK BELT W/ SUSPENSION RIG

- 1680D ballistic nylon
- Riveted seams
- Standup base

PART #	DESCRIPTION
48-22-8120	Contractor Work Belt w/ Suspension Rig

ELECTRICIANS WORK BELT

- 1680D ballistic nylon
- Riveted seams
- Standup base

PART #	DESCRIPTION
48-22-8110	Electricians Work Belt

COMPACT ELECTRICIANS WORK POUCH

- 1680D ballistic nylon
- Riveted seams
- Standup base

PART #	DESCRIPTION
48-22-8111	Compact Electricians Work Pouch

COMPACT UTILITY POUCH

- 1680D Ballistic Nylon
- Quick-Attach Belt Loop
- Riveted Seams

PART #	DESCRIPTION
48-22-8118	Compact Utility Pouch

ELECTRICIAN'S POUCH

- 1680D Ballistic Nylon
- Quick-Attach Belt Loop
- Riveted Seams

PART #	DESCRIPTION
48-22-8112	Electrician's Pouch

UTILITY POUCH

- 1680D Ballistic Nylon
- Quick-Attach Belt Loop
- Riveted Seams

PART #	DESCRIPTION
48-22-8119	Utility Pouch

ZIPPER POUCH

- 1680D Ballistic Nylon
- Quick-Attach Belt Loop
- Riveted Seams

PART #	DESCRIPTION
48-22-8193	Colored Zippered Pouch
48-22-8180	Black Zippered Pouch

LINEMAN'S AERIAL TOOL APRON

- Durable vinyl construction
- Dedicated pockets for better organization
- Stores: flood lights, knives, sockets and more

PART #	DESCRIPTION
48-22-8290	Lineman's Aerial Tool Apron

JOBSITE TECH BAG

- 1680D ballistic material construction
- Impact resistant molded base
- 53 Pockets

PART #	DESCRIPTION
48-22-8210	Jobsite Tech Bag

POWER UTILITY BUCKET

- Reinforced Double-Layer 1200D Polyester
- Rated up to 34kg
- 2 Internal pockets

PART #	DESCRIPTION
48-22-8270	Power Utility Bucket

UNDERGROUND UTILITY OVAL BAG

- 1680D ballistic material construction
- Carrying strap for easy transportation
- 24 Pockets

PART #	DESCRIPTION
48-22-8275	Underground Utility Oval Bag

AERIAL UTILITY OVAL BAG

- 1680D ballistic material construction
- Carrying strap for easy transportation
- 12 Pockets

PART #	DESCRIPTION
48-22-8276	Aerial Utility Oval Bag

BUCKET ORGANIZER BAG

- 1680D ballistic material construction
- Open bucket design allows full access and use of the interior of the bucket
- 32 Exterior pockets

PART #	DESCRIPTION
48-22-8175	Bucket Organizer Bag

JOBSITE COOLER

- 1680S ballistic material construction
- Holds ice for 24 hours
- Food grade leak-proof liner

PART #	DESCRIPTION
84-22-8250	Jobsite Cooler

PACKOUT™
MODULAR STORAGE SYSTEM

PACKOUT™ COMPATIBLE PRODUCTS

M18 PACKOUT™ AIR FAN
M18 AFG2

- Faster 18V fan
- Brushless motor for increased life
- Easy transportation and connect with PACKOUT™

Voltage	18V
Blade Diameter	177 mm
Max Air Flow (m³/h)	1444
Max. Velocity (m/min)	549
Run Time (5.0 Ah)	19%: 80 hrs 50%: 13.5 hrs 75%: 6.5 hrs 100%: 3 hrs
Rotation	300°
PACKOUT™ Compatibilty	YES
AC	100–240 V

M18 PACKOUT™ RADIO CHARGER
M18 PRC

- Ultimate jobsite sound system
- PACKOUT™ modularity
- Built for jobsite

Voltage	18V
Run Time (5.0Ah)	3 hrs
Wattage	90 W
M18 Battery Charge Current (A)	3.5
USB Charging Output (V/A)	2.1
Weight (kg)	10.5

M12 JOBSITE SPEAKER WITH PACKOUT™ COMPATIBILITY
M12 SPEJSG2

- Clear portable sound
- Jobsite versaltility
- Updated technology

Voltage	12V
Wattage	30 W
Bluetooth® Version	5.3
Maximum Transmission Range	60 m
Run Time (4.0 Ah)	10 hrs
USB Output	5.0 V / 3 A
PACKOUT™ Compatibilty	YES

M18 FUEL PACKOUT™ WET / DRY VACUUM
M18 FPOVCL

- Up to 60% more suction
- Unmatched mobility, less down time
- Up to 2x quieter

Voltage	18V
Air Volume (L/m)	1416
Max. Vacuum (mbar)	117
Capacity (L)	9.5
Weight w/ 5.0Ah Battery Pack (kg)	5.9

M18 PACKOUT™ LIGHT / CHARGER
M18 POALC

- 3000 Lumens of TRUEVIEW™ High-Definition Output
- Three individual light heads for task or area lighting
- Nine total output modes to manage output or run-time

Voltage	18V
Modes	High / Medium / Low
Output (lumen)	3000 / 1500 / 1000
Runtime (5.0 Ah)	4 hrs / 8 hrs / 12 hrs
AC (V)	110-240
Intergrated Charging	Yes
Weight without Battery Pack (kg)	5.5

M12 PACKOUT™ AREA LIGHT
M12 POAL

- 1400 Lumens of TRUEVIEW™ High-Definition Output
- PACKOUT™ Compatible
- Up to 4 hours of run-time on High

Voltage	12V
Modes	High / Medium / Low
Lumens	1400 / 700 / 350
Runtime (6.0Ah)	6 hrs / 9 hrs / 17 hrs
Runtime (4.0Ah)	4 hrs / 7 hrs / 12 hrs

M12 PACKOUT™ SINGLE CLEAT LIGHT
M12 ALIP

NEW

- 360° Light head rotation x up to 180° light head flip° x 180° light head pivot
- Powered by M12™ REDLITHIUM™ Batteries
- Up to 16 hours of run-time on M12™ 4.0 Battery

Voltage	12V
Modes	High / Medium / Low
Output (lumen)	1200 / 600 / 300
Rated Power Input	9W
Runtime (4.0 Ah)	4 hrs / 8 hrs / 16 hrs
Weight without Battery Pack (kg)	0.70

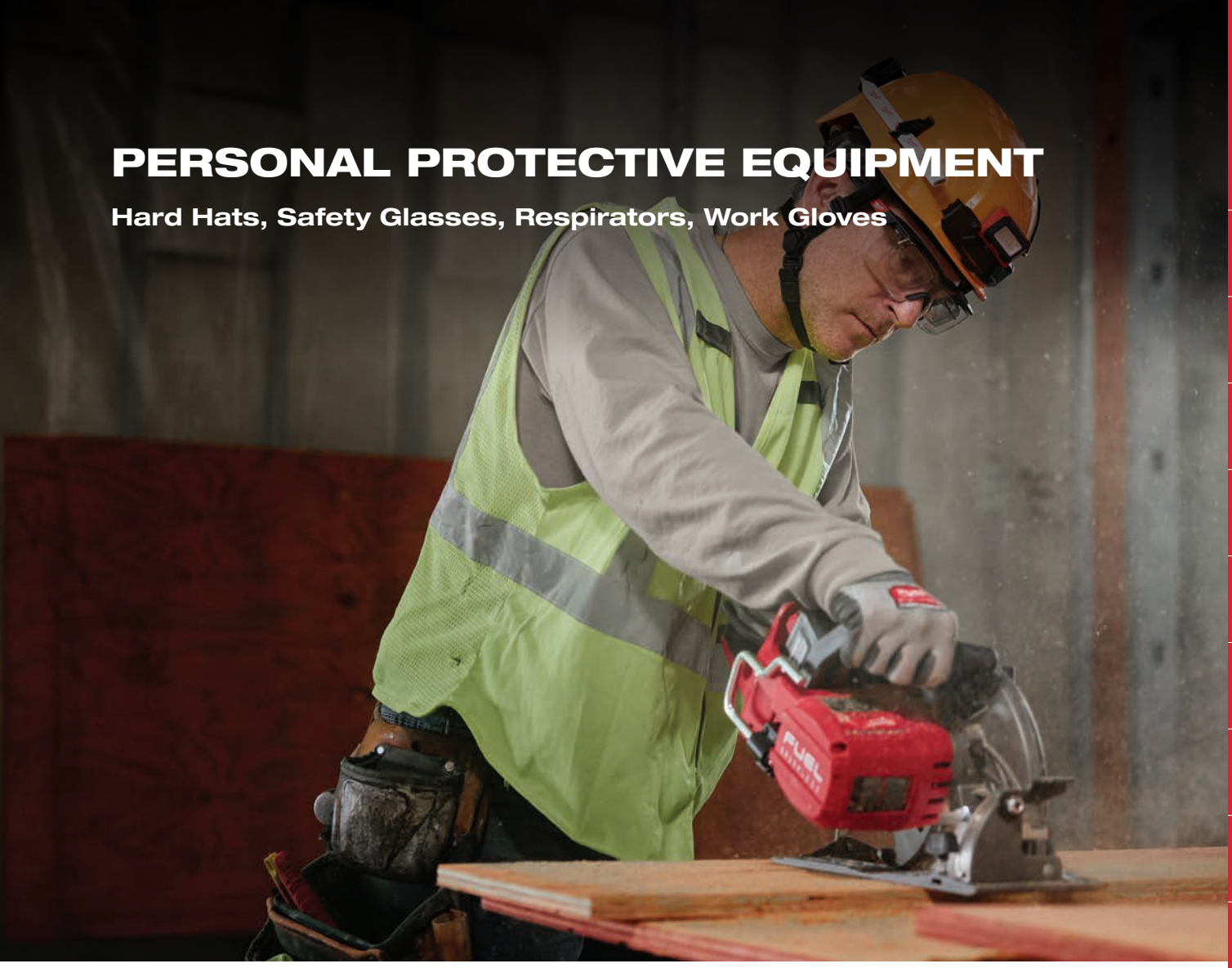
M18 6-BAY PACKOUT FAST CHARGER
M18 PC6

- Rapid charge 2 batteries simultaneously
- Fully compatible with PACKOUT™ modular storage system
- Easier transport and storage

System	M18
Charge Time (min)	
M18 B2	26
M18 B4	47
M18 B5	59
M18 HB3	35
M18 FB6	62
M18 FB8	84
M18 FB12	123
Weight (kg)	4.1

PERSONAL PROTECTIVE EQUIPMENT

Hard Hats, Safety Glasses, Respirators, Work Gloves



SAFETY SOLUTIONS

SAFETY GLASSES

- Anti-scratch exterior, fog free interior
- Liquid, splash, and dust protection
- Withstands projectiles shot at 221 m/s

PART #	DESCRIPTION
48-73-2000A	Clear Safety Glasses
48-73-2005A	Tinted Safety Glasses
48-73-2020A	Clear High Performance Safety Glasses
48-73-2025A	Tinted High Performance Safety Glasses
48-73-2040A	Clear High Performance Safety Glasses with Gasket
48-73-2045A	Polarized High Performance Safety Glasses with Gasket

SAFETY OVER THE GLASSES

- Dual coat, anti-scratch, fog free
- Debris brow guard
- Withstands projectiles shot at 221 m/s

PART #	DESCRIPTION
48-73-2070	Safety Over the Glasses Clear
48-73-2075	Safety Over the Glasses Tinted

LARGE FORMAT GLASSES

NEW

- Anti-fog coating
- Flexible nose bridge
- Wide field of view, large lens

PART #	DESCRIPTION
4932500723	Large Format Sunburst Mirror Dual Coat
4932500722	Large Format Tinted Dual Coat
4932500721	Large Format Clear Dual Coat

FULL FRAME GLASSES

NEW

- Comfortable temple arms
- Flexible nose bridge
- Polarized lens options

PART #	DESCRIPTION
4932500720	Full Frame Blue/Green Mirror Dual Coat
4932500719	Full Frame Tinted Dual Coat
4932500718	Full Frame Clear Dual Coat

SAFETY GOGGLES

- Dual coat, anti scratch
- Fog free interior
- Withstands projectiles shot at 221 m/s

PART #	DESCRIPTION
48-73-2060	Clear Vented Low-Profile Safety Goggles
48-73-2061	Tinted Vented Low-Profile Safety Goggles
48-73-2062	Clear Vented High Profile Safety Goggles
48-73-2063	Tinted Vented High Profile Safety Goggles
48-73-2065	Clear Non-Vented Safety Goggles
48-73-2066	Gray Non- Vented Safety Goggles

SAFETY HELMETS

- Protects side and top impact
- BOLT™ headlamp mount & marker clip
- Adjustable swinging ratchet - better comfort
- Antimicrobial and moisture wicking sweat band and helmet liner

PART #	DESCRIPTION
48-73-1320	White Front Brim Vented Helmet with BOLT™ - Class C
48-73-1322	Yellow Front Brim Vented Helmet with BOLT™ - Class C
48-73-1328	Red Front Brim Vented Helmet with BOLT™ - Class C

HARD HATS

- BOLT™ headlamp mount & marker clip
- Quick-adjust ratcheting suspension
- Four BOLT™ accessory slots and two universal accessory slots

PART #	DESCRIPTION
48-73-1201	White Full Brim Vented Hard Hat with 4PT Ratcheting Suspension – Type 1 Class C
48-73-1101	White Full Brim Hard Hat with 4PT Ratcheting Suspension – Type 1 Class E
48-73-1121	White Full Brim Hard Hat with 6PT Ratcheting Suspension – Type 1 Class E
48-73-1200	White Front Brim Vented Hard Hat with BOLT™ - Class C
48-73-1202	Yellow Front Brim Vented Hard Hat with BOLT™ - Class C
48-73-1100	White Front Brim Hard Hat with BOLT™ - Class E
48-73-1102	Yellow Front Brim Hard Hat with BOLT™ - Class E
48-73-1220	6PT White Front Brim Vented Hard Hat with BOLT™ - Class C
48-73-1222	6PT Yellow Front Brim Vented Hard Hat with BOLT™ - Class C
48-73-1120	6PT White Front Brim Hard Hat with BOLT™ - Class E
48-73-1122	6PT Yellow Front Brim Hard Hat with BOLT™ - Class E

SAFETY SOLUTIONS

RESPIRATORS

- Comfortable tight sealing gasket
- Valve reduces heat by 5˚C
- Adjustable straps

PART #	DESCRIPTION
48-73-4001	N95 Valved Respirator with Gasket
48-73-4002	3pk N95 Valved Respirator with Gasket
48-73-4004	10pk N95 Valved Respirator with Gasket
48-73-4011	N95 Valved Respirator
48-73-4012	3pk N95 Valved Respirator
48-73-4014	10pk N95 Valved Respirator
48-73-4031	Unvalved N95 Respirator
48-73-4032	3PK Unvalved N95 Respirator
48-73-4034	10PK Unvalved N95 Respirator
48-73-4035	20PK Unvalved N95 Respirator

HEARING PROTECTION

- Comfortable tight sealing gasket
- Valve reduces heat by 5˚C
- Adjustable straps

PART #	DESCRIPTION
48-73-3201	Banded Ear Plugs
48-73-3205	(5 Pack) Replacement Flanged Ear Plugs
48-73-3206	(5 Pack) Replacement Foam Ear Plugs
48-73-3001	10 Pair Ear Plugs
48-73-3005	100 Pair Ear Plugs
48-73-3151	3 PK Reusable Ear Plugs

KNEELING PAD

- Durable, non-slip base
- Retains shape
- Tear resistant base

PART #	DESCRIPTION
48-73-6100	Kneeling Pad
48-73-6110	PACKOUT™ Kneeling Pad

KNEE PADS

- All day wear
- Lasting comfort
- Enhanced protection

PART #	DESCRIPTION
48-73-6070	Dynamic Flooring Knee Pad
48-73-6075	Stabilizer Knee Pad
48-73-6080	High Mobility Knee Pad
48-73-6040	Non-Marring Performance Knee Pads

HIGH VISIBILITY SAFETY VESTS

- Carry more
- Internal size adjustment
- Reinforced front pockets with 600D tear resistant material

PART #	DESCRIPTION
48-73-5081P	High Visibility Yellow Performance Safety Vest S/M (CSA)
48-73-5082P	High Visibility Yellow Performance Safety Vest L/XL (CSA)
48-73-5083P	High Visibility Yellow Performance Safety Vest XXL/XXXL (CSA)
48-73-5091P	High Visibility Orange Performance Safety Vest S/M (CSA)
48-73-5092P	High Visibility Orange Performance Safety Vest L/XL (CSA)
48-73-5093P	High Visibility Orange Performance Safety Vest XXL/XXXL (CSA)
48-73-5061P	High Visibility Yellow Safety Vest L/)(L (CSA)
48-73-5062P	High Visibility Yellow Safety Vest S/M (CSA)
48-73-5063P	High Visibility Yellow Safety Vest XXL/XXXL (CSA)
48-73-5071P	High Visibility Orange Safety Vest S/M (CSA)
48-73-5072P	High Visibility Orange Safety Vest L/XL (CSA)
48-73-5073P	High Visibility Orange Safety Vest XXL/XXXL (CSA)

HEAT PROTECTION

- Quick 30 second absorbtion, all day comfort
- 4+ Hours of cooling, blocks harmful UV rays
- 85 X 21cm, PVA Technology
- 85 X 21cm, Microfiber Technology

PART #	DESCRIPTION
48-73-4540	Cooling PVA Towel
48-73-4541	Cooling Microfiber Towel

TOOL LANYARDS

- Designed to reduce risks of dropped tools
- Shock absorbing design gradually slows tool
- Color coded by weight rating

PART #	DESCRIPTION
48-22-8810A	4.5kg 0.91m Tool Lanyard
48-22-8810	4.5kg 1.37m Tool Lanyard
48-22-8811A	4.5kg 1.82m Extended Tool Lanyard
48-22-8811	4.5kg. Extended Tool Lanyard
48-22-8815A	6.8kg 0.91m Tool Lanyard
48-22-8850A	35lb Locking Tool Lanyard
48-22-8820A	10 lb. Interchangeable Tool Lanyard
48-22-8823A	3 pc. 4.5kg Interchangeable Tool Cinch
48-22-8823	3pc 4.5kg D-Ring Quick-Connect Lanyard
48-22-8822A	3pc 5lb Quick Connect Accessory
48-22-8812	4.5kg 1.82m Extended Reach Locking Tool Lanyard
48-22-8817	6.8kg 1.82 Extended Reach Locking Tool Lanyard
48-22-8816	6.8kg 1.37m Extended Reach Locking Tool Lanyard
48-22-8830	2.3kg Wrist Lanyard
48-22-8835	2.3kg Quick-Connect Wrist Lanyard
48-22-8855	23kg Anchor Strap
48-22-8825	2.3kg 1.2m Quick Connect Retractable Tool Lanyard

GLOVES

CUT RESISTANT NITRILE DIPPED GLOVES

- ANSI cut level protection
- Double dipped grip
- SMARTSWIPE™ palm & fingertips

PART #	DESCRIPTION
48-22-8900	Cut Level 1 Nitrile Dipped Gloves - S
48-22-8901	Cut Level 1 Nitrile Dipped Gloves - M
48-22-8902	Cut Level 1 Nitrile Dipped Gloves - L
48-22-8903	Cut Level 1 Nitrile Dipped Gloves - XL
48-22-8904	Cut Level 1 Nitrile Dipped Gloves - XXL
48-22-8925	Cut Level 2 Nitrile Dipped Gloves - S
48-22-8926	Cut Level 2 Nitrile Dipped Gloves - M
48-22-8927	Cut Level 2 Nitrile Dipped Gloves - L
48-22-8928	Cut Level 2 Nitrile Dipped Gloves - XL
48-22-8929	Cut Level 2 Nitrile Dipped Gloves - XXL
48-73-8630	Cut Level 3 Nitrile Dipped Gloves - S
48-73-8631	Cut Level 3 Nitrile Dipped Gloves - M
48-73-8632	Cut Level 3 Nitrile Dipped Gloves - L
48-73-8633	Cut Level 3 Nitrile Dipped Gloves - XL
48-73-8634	Cut Level 3 Nitrile Dipped Gloves - XXL
48-22-8945	Cut Level 4 Nitrile Dipped Gloves - S
48-22-8946	Cut Level 4 Nitrile Dipped Gloves - M
48-22-8947	Cut Level 4 Nitrile Dipped Gloves - L
48-22-8948	Cut Level 4 Nitrile Dipped Gloves - XL
48-22-8949	Cut Level 4 Nitrile Dipped Gloves - XXL
48-73-8650	Cut Level 5 Nitrile Dipped Gloves - S
48-73-8651	Cut Level 5 Nitrile Dipped Gloves - M
48-73-8652	Cut Level 5 Nitrile Dipped Gloves - L
48-73-8653	Cut Level 5 Nitrile Dipped Gloves - XL
48-73-8654	Cut Level 5 Nitrile Dipped Gloves - XXL

HIGH DEXTERITY NITRILE DIPPED GLOVES

- Nitrile dipped palm
- Reinforced nitrile coating
- SMARTSWIPE™ palm & fingertips

PART #	DESCRIPTION
48-73-7120	Cut Level 2 High Dexterity Nitrile Dipped Gloves- S
48-73-7121	Cut Level 2 High Dexterity Nitrile Dipped Gloves- M
48-73-7122	Cut Level 2 High Dexterity Nitrile Dipped Gloves- L
48-73-7123	Cut Level 2 High Dexterity Nitrile Dipped Gloves- XL
48-73-7124	Cut Level 2 High Dexterity Nitrile Dipped Gloves- XXL
48-73-7130	Cut Level 3 High Dexterity Nitrile Dipped Gloves- S
48-73-7131	Cut Level 3 High Dexterity Nitrile Dipped Gloves- M
48-73-7132	Cut Level 3 High Dexterity Nitrile Dipped Gloves- L
48-73-7133	Cut Level 3 High Dexterity Nitrile Dipped Gloves- XL
48-73-7134	Cut Level 3 High Dexterity Nitrile Dipped Gloves- XXL
48-73-7140	Cut Level 4 High Dexterity Nitrile Dipped Gloves- S
48-73-7141	Cut Level 4 High Dexterity Nitrile Dipped Gloves- M
48-73-7142	Cut Level 4 High Dexterity Nitrile Dipped Gloves- L
48-73-7143	Cut Level 4 High Dexterity Nitrile Dipped Gloves- XL
48-73-7144	Cut Level 4 High Dexterity Nitrile Dipped Gloves- XXL
48-73-7150	Cut Level 5 High Dexterity Nitrile Dipped Gloves - S
48-73-7151	Cut Level 5 High Dexterity Nitrile Dipped Gloves - M
48-73-7152	Cut Level 5 High Dexterity Nitrile Dipped Gloves - L
48-73-7153	Cut Level 5 High Dexterity Nitrile Dipped Gloves - XL
48-73-7154	Cut Level 5 High Dexterity Nitrile Dipped Gloves - XXL
48-73-7000	Cut Level 6 High Dexterity Nitrile Dipped Gloves - S
48-73-7001	Cut Level 6 High Dexterity Nitrile Dipped Gloves - M
48-73-7002	Cut Level 6 High Dexterity Nitrile Dipped Gloves - L
48-73-7003	Cut Level 6 High Dexterity Nitrile Dipped Gloves - XL
48-73-7004	Cut Level 6 High Dexterity Nitrile Dipped Gloves - XXL
48-73-7010	Cut Level 7 High Dexterity Nitrile Dipped Gloves - S
48-73-7011	Cut Level 7 High Dexterity Nitrile Dipped Gloves - M
48-73-7012	Cut Level 7 High Dexterity Nitrile Dipped Gloves - L
48-73-7013	Cut Level 7 High Dexterity Nitrile Dipped Gloves - XL
48-73-7014	Cut Level 7 High Dexterity Nitrile Dipped Gloves - XXL
48-73-7020	Cut Level 8 High Dexterity Nitrile Dipped Gloves - S
48-73-7021	Cut Level 8 High Dexterity Nitrile Dipped Gloves - M
48-73-7022	Cut Level 8 High Dexterity Nitrile Dipped Gloves - L
48-73-7023	Cut Level 8 High Dexterity Nitrile Dipped Gloves - XL
48-73-7024	Cut Level 8 High Dexterity Nitrile Dipped Gloves - XXL
48-73-7030	Cut Level 9 High Dexterity Nitrile Dipped Gloves - S
48-73-7031	Cut Level 9 High Dexterity Nitrile Dipped Gloves - M
48-73-7032	Cut Level 9 High Dexterity Nitrile Dipped Gloves - L
48-73-7033	Cut Level 9 High Dexterity Nitrile Dipped Gloves - XL
48-73-7034	Cut Level 9 High Dexterity Nitrile Dipped Gloves - XXL

GLOVES

LIGHTWEIGHT WORK GLOVES

- Breathable lining, built-in terry cloth sweat wipe
- Hook & loop closure
- Thumb tip reinforce, SMARTSWIPE™ touchscreen compatible knuckle

PART #	DESCRIPTION
48-73-8520	Lightweight Work Gloves – S
48-73-8521	Lightweight Work Gloves – M
48-73-8522	Lightweight Work Gloves – L
48-73-8523	Lightweight Work Gloves – XL
48-73-8524	Lightweight Work Gloves – XXL

WRECKING WORK GLOVES

- TPR knuckle protection, durable padded palm
- Hook & loop closure, built-in terry cloth sweat wipe
- Reinforced thumb seam, SMARTSWIPE™ touchscreen compatible knuckle

PART #	DESCRIPTION
48-73-8530	Wrecking Work Gloves– S
48-73-8531	Wrecking Work Gloves– M
48-73-8532	Wrecking Work Gloves– L
48-73-8533	Wrecking Work Gloves– XL
48-73-8534	Wrecking Work Gloves– XXL

IMPACT RESISTANT CUT LEVEL 3 NITRILE DIPPED GLOVES

- Impact rated enhanced TPR, reinforced nitrile coating
- ANSI/ISEA cut level 3
- SMARTSWIPE™ touchscreen compatible fingertips

PART #	DESCRIPTION
48-73-8130	Impact Resistant Cut Level 3 Nitrile Dipped Gloves – S
48-73-8131	Impact Resistant Cut Level 3 Nitrile Dipped Gloves – M
48-73-8132	Impact Resistant Cut Level 3 Nitrile Dipped Gloves – L
48-73-8133	Impact Resistant Cut Level 3 Nitrile Dipped Gloves – XL
48-73-8134	Impact Resistant Cut Level 3 Nitrile Dipped Gloves – XXL

LIGHTWEIGHT WORK GLOVES WITH FLEXIBLE CUFF

- Breathable lining
- Built-in terry cloth sweat wipe
- SMARTSWIPE™ touchscreen compatible knuckle

PART #	DESCRIPTION
48-73-8510	Lightweight Work Gloves with Flexible Cuff – S
48-73-8511	Lightweight Work Gloves with Flexible Cuff – M
48-73-8512	Lightweight Work Gloves with Flexible Cuff – L
48-73-8513	Lightweight Work Gloves with Flexible Cuff– XL
48-73-8514	Lightweight Work Gloves with Flexible Cuff– XXL

IMPACT WRECKING WORK GLOVES

- Impact rated enhanced TPR
- Durable padded palm
- Reinforced thumb seam

PART #	DESCRIPTION
48-73-8550	Impact Wrecking Work Gloves – S
48-73-8551	Impact Wrecking Work Gloves – M
48-73-8552	Impact Wrecking Work Gloves – L
48-73-8553	Impact Wrecking Work Gloves – XL
48-73-8554	Impact Wrecking Work Gloves – XXL

IMPACT RESISTANT CUT LEVEL 5 NITRILE DIPPED GLOVES

- Impact rated enhanced TPR
- Reinforced nitrile coating
- ANSI/ISEA 105 cut level 5
- SMARTSWIPE™ touchscreen compatible fingertips

PART #	DESCRIPTION
48-73-8150	Impact Resistant Cut Level 5 Nitrile Dipped Gloves - S
48-73-8151	Impact Resistant Cut Level 5 Nitrile Dipped Gloves - M
48-73-8152	Impact Resistant Cut Level 5 Nitrile Dipped Gloves - L
48-73-8153	Impact Resistant Cut Level 5 Nitrile Dipped Gloves - XL
48-73-8154	Impact Resistant Cut Level 5 Nitrile Dipped Gloves - XXL

CHAINSAW PROTECTIVE GLOVES

- TPR knuckle protection, durable padded palm
- Hook & loop closure, built-in terry cloth sweat wipe
- Reinforced thumb seam, SMARTSWIPE™ touchscreen compatible knuckle

PART #	DESCRIPTION
4932493540	Chain Saw Gloves - 8/M
4932493541	Chain Saw Gloves - 9/L
4932493542	Chain Saw Gloves - 10/XL
4932493543	Chain Saw Gloves - 11/XXL

GLOVES

HIGH DEXTERITY POLYURETHANE DIPPED GLOVES

- 18 Gauge knit for total mobility
- Reinforced nitrile coating between thumb and index finger
- Lighter and more breathable
- SMARTSWIPE™ touchscreen compatible fingertips

PART #	DESCRIPTION
48-73-8720	Cut Level 2 High-Dexterity Polyurethane Dipped Gloves -S
48-73-8721	Cut Level 2 High-Dexterity Polyurethane Dipped Gloves - M
48-73-8722	Cut Level 2 High-Dexterity Polyurethane Dipped Gloves - L
48-73-8723	Cut Level 2 High-Dexterity Polyurethane Dipped Gloves - XL
48-73-8724	Cut Level 2 High-Dexterity Polyurethane Dipped Gloves - XXL
48-73-8730	Cut Level 3 High-Dexterity Polyurethane Dipped Gloves -S
48-73-8731	Cut Level 3 High-Dexterity Polyurethane Dipped Gloves -M
48-73-8732	Cut Level 3 High-Dexterity Polyurethane Dipped Gloves -L
48-73-8733	Cut Level 3 High-Dexterity Polyurethane Dipped Gloves -XL
48-73-8734	Cut Level 3 High-Dexterity Polyurethane Dipped Glovess -XXL
48-73-8740	Cut Level 4 High-Dexterity Polyurethane Dipped Gloves - S
48-73-8741	Cut Level 4 High-Dexterity Polyurethane Dipped Gloves - M
48-73-8742	Cut Level 4 High-Dexterity Polyurethane Dipped Gloves - L
48-73-8743	Cut Level 4 High-Dexterity Polyurethane Dipped Gloves - XL
48-73-8744	Cut Level 4 High-Dexterity Polyurethane Dipped Gloves - XXL
48-73-8750	Cut Level 5 High-Dexterity Polyurethane Dipped Gloves - S
48-73-8751	Cut Level 5 High-Dexterity Polyurethane Dipped Gloves - M
48-73-8752	Cut Level 5 High-Dexterity Polyurethane Dipped Gloves - L
48-73-8753	Cut Level 5 High-Dexterity Polyurethane Dipped Gloves - XL
48-73-8754	Cut Level 5 High-Dexterity Polyurethane Dipped Gloves - XXL

CUT & SEWN ANTI-VIBRATION GLOVES

- Full hand vibration reduction
- Reinforced in high-wear areas
- SMARTSWIPE™ touchscreen compatible knuckle

PART #	DESCRIPTION
48-73-8770	Cut & Sewn Anti-Vibration Gloves - S
48-73-8771	Cut & Sewn Anti-Vibration Gloves - M
48-73-8772	Cut & Sewn Anti-Vibration Gloves - L
48-73-8773	Cut & Sewn Anti-Vibration Gloves - XL
48-73-8774	Cut & Sewn Anti-Vibration Gloves - XXL

DIPPED ANTI-VIBRATION GLOVES

- Rest vibration reduction
- 18 Gauge - total mobility
- SMARTSWIPE™ touchscreen compatible fingertips

PART #	DESCRIPTION
48-73-8760	Dipped Anti Vibration Gloves - S
48-73-8761	Dipped Anti Vibration Gloves - M
48-73-8762	Dipped Anti Vibration Gloves - L
48-73-8763	Dipped Anti Vibration Gloves - XL
48-73-8764	Dipped Anti Vibration Gloves - XXL

HIGH VISIBILITY CUT RESISTENT POLYURETHANE DIPPED GLOVES

- Cut resistant
- Better fit
- High visibility

PART #	DESCRIPTION
48-73-8910	High Visibility Cut Level 1 Polyurethane Dipped - S
48-73-8911	High Visibility Cut Level 1 Polyurethane Dipped - M
48-73-8912	High Visibility Cut Level 1 Polyurethane Dipped - L
48-73-8913	High Visibility Cut Level 1 Polyurethane Dipped - XL
48-73-8914	High Visibility Cut Level 1 Polyurethane Dipped – XXL
48-73-8920	High Visibility Cut Level 2 Polyurethane Dipped - S
48-73-8921	High Visibility Cut Level 2 Polyurethane Dipped - M
48-73-8922	High Visibility Cut Level 2 Polyurethane Dipped - L
48-73-8923	High Visibility Cut Level 2 Polyurethane Dipped - XL
48-73-8924	High Visibility Cut Level 2 Polyurethane Dipped – XXL
48-73-8930	High Visibility Cut Level 3 Polyurethane Dipped - S
48-73-8931	High Visibility Cut Level 3 Polyurethane Dipped - M
48-73-8932	High Visibility Cut Level 3 Polyurethane Dipped - L
48-73-8933	High Visibility Cut Level 3 Polyurethane Dipped - XL
48-73-8934	High Visibility Cut Level 3 Polyurethane Dipped - XXL
48-73-8940	High Visibility Cut Level 4 Polyurethane Dipped - S
48-73-8941	High Visibility Cut Level 4 Polyurethane Dipped - M
48-73-8942	High Visibility Cut Level 4 Polyurethane Dipped - L
48-73-8943	High Visibility Cut Level 4 Polyurethane Dipped - XL
48-73-8944	High Visibility Cut Level 4 Polyurethane Dipped- XXL
48-73-8950	High Visibility Cut Level 5 Polyurethane Dipped - S
48-73-8951	High Visibility Cut Level 5 Polyurethane Dipped - M
48-73-8952	High Visibility Cut Level 5 Polyurethane Dipped - L
48-73-8953	High Visibility Cut Level 5 Polyurethane Dipped - XL
48-73-8954	High Visibility Cut Level 5 Polyurethane Dipped- XXL

CUT RESISTANT SLEEVES

- Protect arms from cuts and abrasions
- High stretch HPPE for comfortable fit
- Lightweight and breathable

PART #	DESCRIPTION
48-73-9030	Cut Level 3 Sleeve - 16"
48-73-9031	Cut Level 3 Sleeve - 18"
48-73-9050	Cut Level 5 Sleeve - 16"
48-73-9051	Cut Level 5 Sleeve - 18"

COOLING SLEEVES & GAITER

NEW

- 2-Hour cooling effect
- Quick activation time
- UPF50+

PART #	DESCRIPTION
4932500789	Cooling Cut A Sleeves 40cm
4932500792	Cooling Gaiter

ACCESSORIES

Drill Bits, Chisels, SAWZALL™ Blades, Circular Saw Blades, Hole Saws

SDS PLUS

MX4™

MX4™

4x LIFE IN REBAR*

*vs. 2 cutter drill bit in concrete

At MILWAUKEE™ , we strive to do things better. To make life easier in the toughest working conditions. We pour our energy into the relentless improvement of our products, and even the most minor improvements begin with understanding the challenges of the jobsite.

This intrinsic understanding of the challenge has led to the creation of our next generation MX4™, a game-changer in drill bit technology. Solid carbide construction means longer life, Target Tip Technology and a shaper angled tip means greater accuracy and next level speed in drilling through the toughest materials.

MX4™ is the benchmark in SDS-Plus and SDS-Max drill bits. Because at MILWAUKEE™ , every bit matters.

NEW

TARGET TIP TECHNOLOGY

IMPROVED PERFORMANCE ON REBAR

FULL CARBIDE TIP*
FOR BEST PERFORMANCE
*≤10MM

SHARPER ANGLED TIP
IMPROVED REBAR PERFORMANCE

116 HOLES PER CHARGE*

* at a depth of 50mm with a 6mm MX4 drill bit, using a 5.5amp High output battery.

SPEED AND HEAVY DUTY FLUTE DESIGN

OPTIMISED INNER CORE INCREASED DRILLING SPEED AND DURABILITY

4-CUTTER SOLID CARBIDE

ENHANCED TIP GEOMETRY
INNOVATIVE MILWAUKEE™ WELDING TECHNOLOGY

CONVEX SHANK END
INCREASED PRODUCTIVITY

PGM® RATED
FOR PRECISE DRILLING

PRECISION GERMAN ENGINEERING

TARGET TIP TECHNOLOGY
IMPROVED PERFORMANCE IN REBAR

CONCRETE DRILLING

SDS-PLUS MX4™ 4-CUTTER DRILL BITS

NEW

BIT SELECTION

RECOMMENDED | GOOD | ACCEPTABLE | NOT RECOMMENDED

FEATURES	MX4™	M2™
LIFE IN REBAR		
LIFE IN CONCRETE		
FAST DRILLING SPEEDS		
MATERIALS		
CONCRETE WITH REBAR		
CONCRETE		
BRICK/BLOCK		

MX4™

SDS PLUS

Diameter Ø (mm)	Total Length (mm)	Working Length (mm)	1 Pack	10 Pack
3.5	115	50	4932500056	
3.5	165	100	4932500057	
4	115	50	4932500058	
4	165	100	4932500059	
5	115	50	4932352007	4932352040
5	165	100	4932352008	4932471250
5	215	150	4932478465	
5	265	200	4932478466	
5	315	250	4932478467	
5.5	115	50	4932352009	4932471251
5.5	165	100	4932352010	4932352041
5.5	215	150	4932478469	
5.5	315	250	4932478470	
6	115	50	4932352011	4932352042
6	165	100	4932352012	4932352043
6	215	150	4932352013	4932430234
6	265	200	4932352014	4932471252
6	315	250	4932352015	
6.5	115	50	4932492017	
6.5	165	100	4932430146	
6.5	215	150	4932352016	4932430235
6.5	265	200	4932352017	4932459588
6.5	315	250	4932352018	
6.5	465	400	4932464596	
7	115	50	4932352019	
7	165	100	4932352020	4932352044
7	215	150	4932492018	
8	115	50	4932352021	4932352045
8	165	100	4932352022	4932352046
8	215	150	4932352023	4932464872
8	265	200	4932352024	4932471253
8	315	250	4932352712	
8	365	300	4932492019	
8	455	390	4932352713	

Diameter Ø (mm)	Total Length (mm)	Working Length (mm)	1 Pack	10 Pack
9	165	100	4932352944	
9	215	150	4932492020	
10	115	50	4932352025	
10	165	100	4932352026	4932352047
10	215	150	4932352027	4932352048
10	265	200	4932352028	4932471254
10	315	250	4932352029	4932471255
10	365	300	4932492021	
10	455	390	4932352030	
10	600	540	4932352945	
10	1000	940	4932352946	
11	165	110	4932492022	4932352049
11	215	160	4932492023	4932352050
12	165	110	4932352031	
12	215	160	4932352032	
12	265	210	4932352033	
12	315	260	4932352034	
12	360	310	4932492024	4932471256
12	450	400	4932352035	
12	600	550	4932352947	
12	1000	950	4932352948	
13	165	110	4932492025	
13	215	160	4932492026	
13	265	210	4932430137	
13	315	260	4932471198	
14	165	110	4932352036	
14	215	160	4932352037	4932471257
14	265	210	4932352949	
14	315	260	4932352038	
14	380	330	4932478473	
14	450	400	4932352039	
14	600	550	4932352950	
14	1000	950	4932352951	

Diameter Ø (mm)	Total Length (mm)	Working Length (mm)	1 Pack	10 Pack
15	165	110	4932430725	
15	215	160	4932430138	
15	265	210	4932352952	
15	450	400	4932492027	
16	165	110	4932430726	
16	215	160	4932352953	
16	265	210	4932352819	4932471258
16	315	260	4932352954	
16	450	400	4932352820	
16	600	550	4932352955	
16	1000	950	4932352956	
17	165	110	4932464474	
17	215	160	4932478474	
17	265	210	4932464475	
17	315	260	4932464069	
17	450	400	4932464070	
18	200	150	4932478899	
18	250	200	4932356502	
18	450	400	4932356503	
18	600	550	4932492028	
18	1000	950	4932479345	
20	250	200	4932356504	
20	450	400	4932356505	
20	600	550	4932492029	
20	1000	950	4932479346	

Diameter Ø (mm)	Total Length (mm)	Working Length (mm)	1 Pack	10 Pack
22	450	400	4932356506	
24	250	200	4932356507	
24	450	400	4932356508	
25	450	400	4932356509	
28	450	400	4932356510	
30	450	400	4932356511	
22	250	200	4932399332	
25	250	200	4932399333	
28	250	200	4932399334	
30	250	200	4932399335	
32	450	400	4932399336	

SETS

Part Number	4932352835	4932352833	4932478626
Description	SDS-Plus MX4 Drill Bit Sets 5PC (5.5/5.5/6/7/8MM)	SDS-Plus MX4 Drill Bit Sets 5PC (5/6/6/8/10MM)	SDS-Plus MX4 Drill Bit Sets 7PC (5/6/6/8/8/10/12MM)
Pack Quantity	5	5	7
Includes	(1) SDS-Plus MX4 Drill Bits - 4 Cutter 5.5 x 115MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 5.5 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 6 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 7 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 8 x 165MM	(1) SDS-Plus MX4 Drill Bits - 4 Cutter 5 x 115MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 6 x 115MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 6 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 8 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 10 x 165MM	(1) SDS-Plus MX4 Drill Bits - 4 Cutter 5 x 115MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 6 x 115MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 6 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 8 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 8 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 10 x 165MM (1) SDS-Plus MX4 Drill Bits - 4 Cutter 12 x 165MM

SDS PLUS

M 2™

PROFESSIONAL

FAST DRILLING IN CONCRETE

3 BREAKER POINTS

25% FASTER

3 BREAKER POINTS

*vs. previous generation

2 VARIABLE FLUTE DESIGN

2 CUTTER

IDEAL IN CONCRETE DRILLING APPLICATIONS WITH CORDLESS HAMMERS

CONCRETE DRILLING

SDS-PLUS M/2™ 2-CUTTER DRILL BITS

BIT SELECTION

RECOMMENDED | GOOD | ACCEPTABLE | NOT RECOMMENDED

FEATURES	M4™	M2™
LIFE IN REBAR		
LIFE IN CONCRETE		
FAST DRILLING SPEEDS		
MATERIALS		
CONCRETE WITH REBAR		
CONCRETE		
BRICK/BLOCK		

M2™

SDS PLUS

Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
3	110	50	1	4932352892
3.2	110	50	1	4932451961
3.5	110	50	1	4932373908
4	110	50	1	4932339498
4	160	110	1	4932399143
5	110	50	1	4932307067
5	140	80	1	4932344290
5	160	110	1	4932399315
5	210	160	1	4932399316
5.5	110	50	1	4932339499
5.5	160	110	1	4932340408
5.5	210	160	1	4932399317
5.5	260	210	1	4932399318
5.5	310	260	1	4932399319
5.5	410	350	1	4932399320
6	110	50	1	4932307068
6	160	110	1	4932307069
6	210	160	1	4932373136
6	260	210	1	4932353819
6	310	260	1	4932399321
6	460	400	1	4932399322
6.5	110	50	1	4932344292
6.5	160	110	1	4932344293
6.5	210	160	1	4932399147
6.5	260	210	1	4932399148
6.5	310	260	1	4932399323
7	110	50	1	4932353820
7	160	110	1	4932340409
7	210	160	1	4932399222
7	250	200	1	4932399324
8	110	50	1	4932307070
8	160	110	1	4932307071
8	210	160	1	4932307072
8	260	210	1	4932353821
8	310	260	1	4932399325
8	400	350	1	4932399326
8	460	400	1	4932367013
8	600	550	1	4932399327

Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
8	1000	950	1	4932399328
8.5	160	110	1	4932451962
8.5	210	160	1	4932451963
9	160	110	1	4932353823
9	210	160	1	4932353822
9.5	160	110	1	4932459101
9.5	310	260	1	4932451964
10	110	50	1	4932340410
10	160	110	1	4932307073
10	210	160	1	4932307074
10	260	210	1	4932344295
10	310	260	1	4932353824
10	350	290	1	4932451965
10	450	400	1	4932344296
10	600	550	1	4932367014
10	800	740	1	4932451966
10	1000	950	1	4932367015
10.5	160	110	1	4932451968
10.5	210	160	1	4932451969
10.5	260	210	1	4932451970
11	160	110	1	4932367066
11	210	160	1	4932451972
11	260	210	1	4932399329
12	160	110	1	4932307075
12	210	160	1	4932307076
12	260	210	1	4932344297
12	310	260	1	4932353825
12	360	310	1	4932451973
12	450	400	1	4932307077
12	600	550	1	4932367068
12	800	750	1	4932451974
12	1000	950	1	4932367017
12.5	160	110	1	4932451975
13	160	110	1	4932307946
13	210	160	1	4932451976
13	260	210	1	4932344298
13	310	260	1	4932451977

Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
13.5	160	110	1	4932459103
14	160	110	1	4932307078
14	210	160	1	4932353826
14	260	210	1	4932307079
14	310	260	1	4932399330
14	450	400	1	4932307088
14	600	550	1	4932367018
14	1000	950	1	4932367019
15	160	110	1	4932373910
15	210	160	1	4932451978
15	260	210	1	4932344300
15	450	400	1	4932451979
16	160	110	1	4932307080
16	210	160	1	4932307081
16	260	210	1	4932399331
16	310	260	1	4932344301
16	450	400	1	4932307082
16	600	550	1	4932367069
16	800	750	1	4932367020
16	1000	950	1	4932367021
17	210	160	1	4932451980
17	310	260	1	4932451981
17	450	400	1	4932451982
18	250	200	1	4932307083
18	200	150	1	4932344303
18	300	250	1	4932344304
18	450	400	1	4932340411
18	600	550	1	4932367022
18	1000	950	1	4932367024
19	200	150	1	4932367070
19	450	400	1	4932367071
20	250	200	1	4932307084
20	450	400	1	4932307085
20	200	150	1	4932344305
20	300	250	1	4932399027
20	600	550	1	4932367025
20	1000	950	1	4932367026

Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
22	250	200	1	4932373911
22	300	250	1	4932451984
22	450	400	1	4932344307
22	600	550	1	4932367027
22	1000	950	1	4932367029
23	250	200	1	4932451985
23	450	400	1	4932451986
24	250	200	1	4932373922
24	300	250	1	4932451987
24	450	400	1	4932307087
25	250	200	1	4932344308
25	300	250	1	4932451988
25	450	400	1	4932344309
25	600	550	1	4932451989
25	1000	950	1	4932367030
26	250	200	1	4932344310
26	450	400	1	4932344311

SDS MAX

MX4™

DRILL TO THE MAX.

SDS-MAX MX4™ DRILL BITS

MILWAUKEE® Tool leads the way in accessories development and technology for the professional job site. Our relentless pursuit of innovation has resulted in the Next Generation MX4™ SDS-MAX drill bits, our most powerful and durable drill bit for toughest tasks on the job site.

Driven and developed by countless hours on the jobsite, MILWAUKEE® has created MX4™ SDS-MAX as a drill bit designed to offer the fastest performance and longest lifespan when drilling in reinforced concrete. Featuring MILWAUKEE® exclusive Target Tip Technology, SDS-MAX is larger than the standard SDS-PLUS bits, providing improved accuracy and performance in rebar as well as other heavy-duty applications.

NEW

TARGET TIP TECHNOLOGY

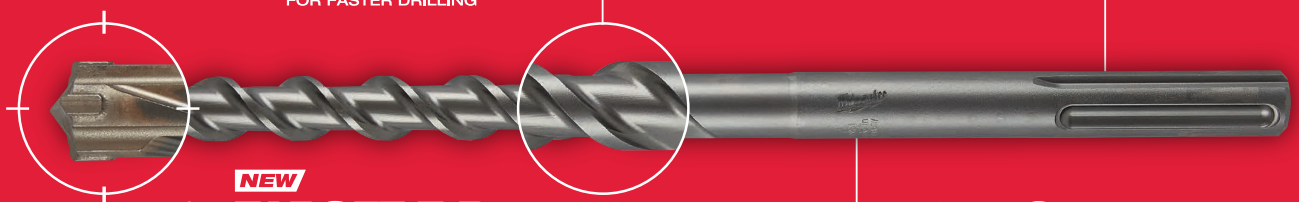
SHARPER ANGLED TIP
IMPROVED REBAR PERFORMANCE

2x LIFE IN REBAR*

* Vs previous generation

4 VARIABLE FLUTE DESIGN*
FOR FASTER DRILLING

PRECISION GERMAN ENGINEERING



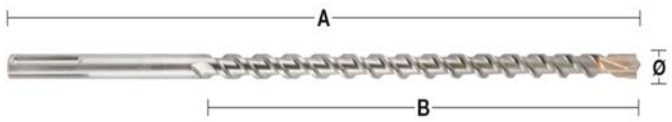
NEW
TARGET TIP TECHNOLOGY

PGM RATED
FOR PRECISE DRILLING

*Variable 4 flute design for diameters up to 16mm, all larger diameters have a variable 2 flute design.

CONCRETE DRILLING

SDS-MAX MX4™ 4-CUTTER DRILL BITS



Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
12	340	200	1	4932352750
12	540	400	1	4932352751
12	740	550	1	4932430727
14	340	200	1	4932352752
14	540	400	1	4932352753
15	340	200	1	4932352754
15	540	400	1	4932352755
16	340	200	1	4932352756
16	540	400	1	4932352757
16	940	800	1	4932352758
16	1320	1180	1	4932352759
18	340	200	1	4932352760
18	540	400	1	4932352761
18	940	800	1	4932352762
18	1320	1180	1	4932352763
20	320	200	1	4932352764
20	520	400	1	4932352765
20	920	800	1	4932352766
20	1320	1180	1	4932352767
22	320	200	1	4932352768
22	520	400	1	4932352769
22	920	800	1	4932352770
22	320	200	1	4932352771
24	320	200	1	4932352772
24	520	400	1	4932352773
25	320	200	1	4932352774
25	520	400	1	4932352775
25	920	800	1	4932352776

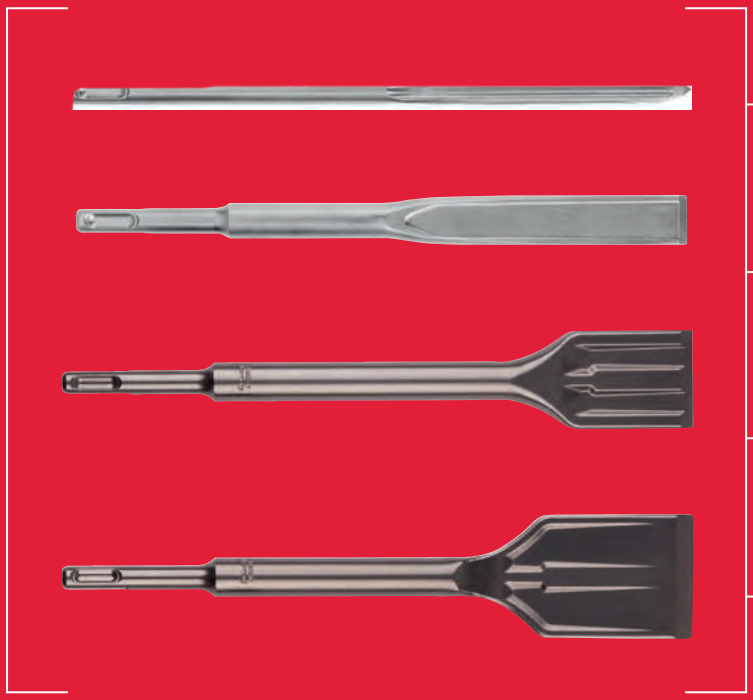
Diameter Ø (mm)	Total Length A (mm)	Working Length B (mm)	Pack Quantity	Part Number
25	1320	1180	1	4932352777
26	520	400	1	4932430728
28	370	250	1	4932352778
28	570	450	1	4932352779
28	670	550	1	4932352780
28	920	800	1	4932352781
28	1320	1180	1	4932352782
30	370	250	1	4932352783
30	570	450	1	4932352784
30	920	800	1	4932430729
32	370	250	1	4932352785
32	570	450	1	4932352786
32	920	800	1	4932352787
32	1320	1180	1	4932352788
35	370	250	1	4932352789
35	570	450	1	4932352790
35	670	550	1	4932430814
35	920	800	1	4932352791
38	370	250	1	4932352792
38	570	450	1	4932352793
40	370	250	1	4932352794
40	570	450	1	4932352795
40	920	800	1	4932352796
40	1320	1180	1	4932352797
45	570	450	1	4932352798
45	920	800	1	4932430730
50	570	450	1	4932430731
52	570	450	1	4932352799

SLEDGE™ CHISELS

3X MORE LIFE
*VS STANDARD CHISELS

Our SLEDGE™ Chisels stay sharper for longer. Reinforced edges deliver maximum durability and reduced wear over the life of the chisel. We've engineered these chisels to maintain sharper edges for increased productivity with an optimized tip for fast removal of concrete, rust, cutting troughs, and asphalt.

No re-sharpening or re-hardening necessary for reduced downtime. High grade forged steel for maximum durability and longer life in concrete demolition over our standard scraping chisels. For use with SDS-Plus & Max rotary hammers.



EXTRA LONG
WORKING LENGTH

SELF-SHARPENING TIP

MADE IN
GERMANY

RE-GRINDED TIP
STAYS SHARPER, BEST PERFORMANCE AND AVOIDS JAMMING

SDS PLUS

SDS MAX

CONCRETE SCRAPING

CHISEL SELECTION

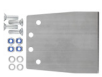
RECOMMENDED | GOOD | ACCEPTABLE | NOT RECOMMENDED

TYPE	CONCRETE					
	GENERAL CHIPPING & BREAKING	STARTING A HOLE	SURFACE REMOVAL	TILE CHIPPING	FLOORING REMOVAL	TUCK POINTS, MORTAR REMOVAL
BULL POINT CHISEL						
FLAT CHISEL						
SCALING CHISEL						
SCRAPING CHISEL						
TILE CHISEL						
FLOOR SCRAPER						
MORTAR KNIFE						

SDS-PLUS SLEDGE CHISELS

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	SLEDGE Bull Pointed Chisel	250	-	Starts a hole in concrete slabs, general chipping and breaking	1	4932493607
	SLEDGE Flat Chisel	250	20	General chipping and breaking	1	4932493609
	SLEDGE Wide Chisel	250	40	Cleans concrete, scale, rust, cuts troughs and some asphalt	1	4932478264
	SLEDGE Title Chisel	250	50	Removes tiles, laminates and other composite materials, removes concrete spillage	1	4932478265

SDS-PLUS CHISELS

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	Bull Points Chisels	250	-	Starts a hole in concrete slabs, general chipping and breaking	1	4932339625
	Flat Chisel	250	20	General chipping and breaking	1	4932339626
	Concrete Channel Chisel	250	22	Creates a channel to run conduit in concrete	1	4932339627
	Tile Chisel	250	40	Removes tiles, laminates and other composite materials, removes concrete spillage	1	4932353424
	Floor Scraper	250	100	Removes flooring such as linoleum and laminate	1	4932352919
	Spare Replacement Scraper Blade	-	-	Spare Replacement Scraper Blade (Only for 4932352919)	1	4932352920

SDS-MAX SLEDGE CHISELS

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	SLEDGE Bull Pointed Chisel	400	-	Starts a hole in concrete slabs, general chipping and breaking	1	4932478266
		400	-		20	4932478274
	SLEDGE Flat Chisel	400	25	General chipping and breaking	1	4932478267
		400	25		20	4932478275
	SLEDGE 2 Wide Chisel	380	50	Cleans concrete, scale, rust, cuts troughs and some asphalt	1	4932478268
	SLEDGE 3 Wide Chisel	300	80		1	4932478269
	SLEDGE Title Chisel	380	50	Removes tiles, laminates and other composite materials, removes concrete spillage	1	4932478270
	SLEDGE Title Chisel	300	50		1	4932478271

SDS-MAX CHISELS

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	Bull Points	280	-	Starts a hole in concrete slabs,general chipping and breaking	1	4932343734
		400	-		1	4932343735
		600	-		1	4932343736
	Flat Chisel	280	25	General chipping and breaking	1	4932343737
		400	25		1	4932343738
		600	25		1	4932343739
	Concrete Channel Chisel	300	26	Creates a channel to run conduit in concrete	1	4932343740
	Wide Chisel	400	50	Cleans concrete, scale, rust, cuts troughs and some asphalt	1	4932343743
		300	80		1	4932343744
		300	115		1	4932343745

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	Tile Chisel	300	80	Removes tiles, laminates andother composite materials,removes concrete spillage	1	4932399234
	Clay Spade	400	110	Digs up clay, hard packed gravel and dirt	1	4932343747

28MM HEX CHISELS

Tip Type	Description	Total Length (mm)	Blade Width (mm)	Application	Pack Quantity	Part Number
	Bull Point	400	-	Starts a hole in concrete slabs, general chipping and breaking	1	4932459774
	Flat Chisel	400	35	General chipping and breaking	1	4932459775
	Wide Chisel	400	80	Cleans concrete, scale, rust, cuts through and some asphalt	1	4932459776
	Clay Spade	400	125	Digs up clay, hard-packed gravel and dirt	1	4932479221
	Asphalt Cutter	440	115	Cuts asphalt or hard ground (DO NOT use for concrete)	1	4932479222
	Tamper Plate	200	200	Compact dirt, tamps asphalt	1	4932479224
	Taper Tool Holder	390	-	Tool holder for tamper plate. (Recommended to use with 4932479224)	-	4932479223

MASONRY DIAMOND CORING

DIAMOND CORE BIT SELECTION GUIDE

OPTIMAL GOOD ACCEPTABLE NOT RECOMMENDED

		DIAMOND ULTRA		DIAMOND PREMIUM	DIAMOND
		WET: TALL, THIN, SEGMENT	DRY: TALL, THIN, SEGMENT	TURBO SEGMENT	FLAT SEGMENT
	SPEED				
	RUNTIME				
	EASY STARTS				
	DIAMOND QUALITY				
MATERIALS	REBAR				
MATERIALS	CONCRETE				

DIAMOND ULTRA WET CORE BITS

Diamter Size (mm)	Thread (inch)	Part Number
51	1-1/4"-7	48-17-5020
64	1-1/4"-7	48-17-5025
76	1-1/4"-7	48-17-5030
89	1-1/4"-7	48-17-5035
102	1-1/4"-7	48-17-5040
114	1-1/4"-7	48-17-5045

Diamter Size (mm)	Thread (inch)	Part Number
127	1-1/4"-7	48-17-5050
152	1-1/4"-7	48-17-5060
203	1-1/4"-7	48-17-5080
254	1-1/4"-7	48-17-5100
305	1-1/4"-7	48-17-5120
356	1-1/4"-7	48-17-5140

DIAMOND PREMIUM WET CORE BITS

Diamter Size (mm)	Thread (inch)	Part Number
51	1-1/4"-7	48-17-3020
64	1-1/4"-7	48-17-3025
70	1-1/4"-7	48-17-3027
76	1-1/4"-7	48-17-3030
89	1-1/4"-7	48-17-3035
102	1-1/4"-7	48-17-3040

Diamter Size (mm)	Thread (inch)	Part Number
108	1-1/4"-7	48-17-3042
114	1-1/4"-7	48-17-3045
127	1-1/4"-7	48-17-3050
152	1-1/4"-7	48-17-3060
156	1-1/4"-7	48-17-3062
178	1-1/4"-7	48-17-3070

Diamter Size (mm)	Thread (inch)	Part Number
203	1-1/4"-7	48-17-3080
229	1-1/4"-7	48-17-3090
254	1-1/4"-7	48-17-3100
305	1-1/4"-7	48-17-3120
356	1-1/4"-7	48-17-3140

DIAMOND STANDARD WET CORE BITS

Diamter Size (mm)	Thread (inch)	Part Number
64	1-1/4"-7	48-17-2025
76	1-1/4"-7	48-17-2030
89	1-1/4"-7	48-17-2035
102	1-1/4"-7	48-17-2040
108	1-1/4"-7	48-17-2042
114	1-1/4"-7	48-17-2045

Diamter Size (mm)	Thread (inch)	Part Number
127	1-1/4"-7	48-17-2050
152	1-1/4"-7	48-17-2060

MASONRY DIAMOND CUTTING

OVERVIEW

MILWAUKEE™ Diamond Blades are designed to the highest standards, using only quality diamonds. Diamond Blade line will cover a full range of materials including specialized blades for green concrete, asphalt and ductile iron. All MILWAUKEE™ Blades are designed for both wet and dry cutting.

DIAMOND CUTTING BLADES SELECTION GUIDE

1 Identify the material to be cut in the columns below

2 Choose the appropriate product **OPTIMAL** , **GOOD** , **ACCEPTABLE** or **NOT RECOMMENDED**

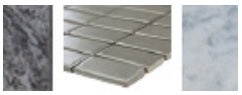
OPTIMAL **GOOD** **ACCEPTABLE** **NOT RECOMMENDED**

		CURED CONCRETE	REINFORCED CONCRETE	BLOCK/ MASONRY	BRICK	PAVER	STONE	ASPHALT	GREEN CONCRETE	DUCTILE IRON	MORTAR
GENERAL PURPOSE	**DIAMOND** AVAILABLE IN: 12"& 14"										
	DIAMOND PREMIUM AVAILABLE IN SEGMENTED: 4", 4-1/2", 7",12", 14" AVAILABLE IN TURBO: 4", 4-1/2", 7"										
	DIAMOND ULTRA AVAILABLE IN: 12",14"										
	DIAMOND UNIVERSAL AVAILABLE IN: 4", 4-1/2",7",12", 14"										
SPECIALTY	**ASPHALT & GREEN CONCRETE** AVAILABLE IN: 12",14"										
	DUCTILE IRON AVAILABLE IN: 12",14"										
	TUCK POINT AVAILABLE IN: 4-1/2"										

Segment	Type	Image Blade	Disc Diameter (mm)	Bore Size (mm)	Application	Feature and Image Application	Part Number
Diamond Ultra	Diamond Ultra Segmented Blade		350	20	Cured Concrete, Reinforced Concrete, Stone, Paver, Brick, Block and Masonry	Maximum Run-Time Maximum Durability	49-93-7540
Diamond Premium	Diamond Premium Segmented Blade		350	20		Fast cutting	49-93-7940
Diamond Standard	Diamond Segmented Blade		350	20		Standard cutting	49-93-7040
Diamond Universal	Diamond Universal Segmented Blade		350	20	Cured Concrete, Reinforced Concrete, Brick, Block, Paver, Stone, Asphalt and Green Concrete	Fast and smooth cutting	49-93-7140
Specialty	Diamond Ductile Iron Segmented Blade		350	20	Ductile Iron	Specialty	49-93-7340
Specialty	Diamond Asphalt Segmented Blade		350	20	Green Concrete and Asphalt	Specialty	49-93-7240

OVERVIEW

MILWAUKEE™ SPEEDCROSS™ Diamond Blades are engineered for all construction site professionals who demand only the best in performance when working in the toughest environments. SPEEDCROSS™ Diamond Blades lines will cover a full range of materials with Maximum Speed, Longer Life and Low Vibration.

Segment	Type	Image Blade	Disc Diameter (mm)	Bore Size (mm)	Application	Feature and Image Application	Part Number
SPEEDCROSS	HUDD		350	25.40	Suitable for the hardest materials: heavily reinforced concrete, granite, marble, pure steel, cast iron		4932471985
SPEEDCROSS	AUDD		350	25.40	Suitable for the abrasive materials: masonry, bricks, poroton, green concrete, lime or sandstone, aerated concrete, screed & asphalt		4932471987
SPEEDCROSS	Steel Head		350	25.40	STEELHEAD is most suitable for steel and stainless steel. Also suitable for heavily rein-forced concrete		4932471988
	Steel Head		230	22.23			4932492016
Standard	DUH		350	25.40	Suitable for the hard materials such as hard concrete, block paviors and masonry products.		4932471986
			230	22.23			4932399542
Standard	DHTI		230	22.23	Specifically designed turbo rimmed blade for clean cut edges in ceramic tiles and thin natural stone tiles / slabs		4932399555

MULTI MATERIAL DRILL BITS

Our Multi-Material Drill Bits are the most versatile bits, designed to tackle materials such as brick, block, concrete, steel, aluminium, ceramic tile, wood, PVC, and drywall. The aggressive multi-grind carbide tip delivers up to 10x longer life in stacked materials and up to 85% faster drilling speeds in metal. Equipped with a 1/4" hex shank, these general-purpose bits are compatible with impact drivers.

SHOCKWAVE™ IMPACT DUTY CARBIDE MULTI-MATERIAL DRILL BITS

- Up to 85% faster in metal vs. standard masonry drill bits
- Up to 10x longer life in stacked materials
- For use with brick, block, concrete, steel, aluminum, ceramic tile, backer-board, wood, PVC, and drywall
- SHOCKWAVE™ Impact Duty engineered for hammer drill/drivers and impacts
- Use in hammer mode for faster drilling in masonry and concrete
- Durable carbide tip for a wide range of tough applications
- Ideal for drilling through layered materials
- Less bit changes for increased productivity

MULTI-MATERIAL DRILL BIT

Diameter	Length	Shank Type	Part Number
3mm	90MM	1/4" Hex SHOCKWAVE	4932471091
4mm	90MM	1/4" Hex SHOCKWAVE	4932471092
5mm	100MM	1/4" Hex SHOCKWAVE	4932471093
5mm	150MM	1/4" Hex SHOCKWAVE	4932493873
5.5mm	100MM	1/4" Hex SHOCKWAVE	4932471094
5.5mm	150MM	1/4" Hex SHOCKWAVE	4932471095
6mm	100MM	1/4" Hex SHOCKWAVE	4932471096
6mm	150MM	1/4" Hex SHOCKWAVE	4932471097
6mm	200MM	1/4" Hex SHOCKWAVE	4932471098
6mm	400MM	1/4" Hex SHOCKWAVE	4932471099
6.5mm	100MM	1/4" Hex SHOCKWAVE	4932493874
6.5mm	150MM	1/4" Hex SHOCKWAVE	4932471100
6.5mm	200MM	1/4" Hex SHOCKWAVE	4932471101
6.5mm	400MM	1/4" Hex SHOCKWAVE	4932471102
7mm	100MM	1/4" Hex SHOCKWAVE	4932471103

Diameter	Length	Shank Type	Part Number
7mm	150MM	1/4" Hex SHOCKWAVE	4932493875
8mm	120MM	1/4" Hex SHOCKWAVE	4932471104
8mm	260MM	1/4" Hex SHOCKWAVE	4932471105
8mm	400MM	1/4" Hex SHOCKWAVE	4932471106
10mm	120MM	1/4" Hex SHOCKWAVE	4932471107
10mm	260MM	1/4" Hex SHOCKWAVE	4932471108
10mm	400MM	1/4" Hex SHOCKWAVE	4932471109
12mm	150MM	1/4" Hex SHOCKWAVE	4932471110
12mm	260MM	1/4" Hex SHOCKWAVE	4932471111
12mm	400MM	1/4" Hex SHOCKWAVE	4932493876
14mm	260MM	1/4" Hex SHOCKWAVE	4932493877
14mm	400MM	1/4" Hex SHOCKWAVE	4932493878
16mm	260MM	1/4" Hex SHOCKWAVE	4932493879
16mm	400MM	1/4" Hex SHOCKWAVE	4932493880

MULTI-MATERIAL DRILL BIT SET (8PC)

Part Number	4932493871EU	4932493872
Description	8PC Carbide Multi-material Drill Bit Sets 1/4" Hex SHOCKWAVE	8PC Carbide Multi-material Drill Bit Sets 1/4" Hex SHOCKWAVE
Includes	4mm, (2) 5mm, (2) 6mm, 8mm, 10mm, 12mm	4mm, 5mm, 5.5mm, (2) 6mm, 7mm, 8mm, 10mm

CARBIDE HAMMER DRILL BITS

- POWER TIP™ with dynamic cutting edges provides ultimate material disruption for increased productivity (available in sizes 10mm and above)
- Robust carbide for up to 9x life in concrete
- Precision ground carbide tip design for up to 4x faster speeds in concrete
- Easier Drilling. Start to Finish.
- Chip Breaker disperses material load throughout tip for balanced drilling experience
- Sharpened carbide edges for faster starts and less bit walking
- Equipped with 3-FLAT Shank to prevent bit from slipping in the drill chuck
- Carbide hammer drill bits available in diameters 3mm to 16mm.
- For use in concrete, brick, and block

CARBIDE HAMMER DRILL BIT

Diameter	Length	Shank Type	Powertip (Dynamic Cutting Edges)	Part Number
3mm	90MM	3-FLAT	NO	4932471167
4mm	90MM	3-FLAT	NO	4932493883
5mm	90MM	3-FLAT	NO	4932471169
5mm	100MM	3-FLAT	NO	4932471171
5mm	150MM	3-FLAT	NO	4932493884
5.5mm	100MM	3-FLAT	NO	4932471173
5.5mm	150MM	3-FLAT	NO	4932493885
6mm	100MM	3-FLAT	NO	4932471175
6mm	150MM	3-FLAT	NO	4932471176
6mm	250MM	3-FLAT	NO	4932493886
6.5mm	100MM	3-FLAT	NO	4932471178
6.5mm	150MM	3-FLAT	NO	4932471179
7mm	100MM	3-FLAT	NO	4932471180
7mm	150MM	3-FLAT	NO	4932471181
8mm	100MM	3-FLAT	NO	4932471182
8mm	150MM	3-FLAT	NO	4932471183
8mm	200MM	3-FLAT	NO	4932493887
8mm	400MM	3-FLAT	NO	4932493888
9mm	120MM	3-FLAT	NO	4932493889

Diameter	Length	Shank Type	Powertip (Dynamic Cutting Edges)	Part Number
10mm	150MM	3-FLAT	YES	4932471186
10mm	260MM	3-FLAT	YES	4932471187
10mm	400MM	3-FLAT	YES	4932493890
11mm	150MM	3-FLAT	YES	4932493891
12mm	150MM	3-FLAT	YES	4932471188
12mm	260MM	3-FLAT	YES	4932471189
12mm	400MM	3-FLAT	YES	4932493892
14mm	150MM	3-FLAT	YES	4932471190
14mm	260MM	3-FLAT	YES	4932471191
16mm	160MM	3-FLAT	YES	4932493893

CARBIDE HAMMER DRILL BIT SET (8PC)

Part Number	4932493881	4932493882
Description	8PC Carbide Multi-material Drill Bit Sets 3-FLAT	8PC Carbide Multi-material Drill Bit Sets 3-FLAT
Includes	4mm, 5mm, 5.5mm, (2) 6mm, 7mm, 8mm, 10mm	4mm, (2) 5mm, (2) 6mm, 8mm, 10mm, 12mm
Powertip (Dynamic Cutting Edges) on 10mm Diameters & up		

GLASS AND TILE BITS

- Suitable for drilling in non toughened glass, soft to medium hardness tiles and ceramics.
- Sharpened carbide for faster drilling.
- Reinforced carbide head for increased durability. Red painted tip.
- From Ø 5 mm the glass & tile drill bits are supplied with a multi-flat shank to prevent the drill bit slipping in the chuck.

Diameter (mm) Ø	Pack Quantity	Part Number
3	1	4932471955
4	1	4932471956
5	1	4932471957
5.5	1	4932471855
6	1	4932471958
6.5	1	4932471856
7	1	4932471857
8	1	4932471959
10	1	4932471960
12	1	4932471961
14	1	4932471858
16	1	4932471859
Glass and Tile Drill Set (5pc) (5) X Ø 4mm, 5mm, 2 x 6mm, 8mm		4932479948

TILE AND MASONRY DRILLING SELECTION

OPTIMAL | GOOD | ACCEPTABLE | NOT RECOMMENDED

MATERIALS	GLASS & TILE EXACT START TIP
GLASS TILE	
CERAMIC	
SLATE	
MARBLE	
STONE	
GRANITE	
PORCELAIN	

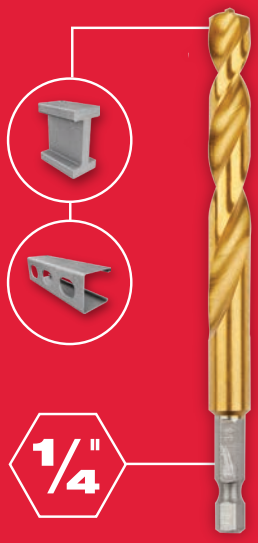
MATERIALS	ROTARY MASONRY	HAMMER DRILL BEST IN CONCRETE	MULTI-MATERIAL MOST VERSATILE BIT
BLOCK			
BRICK			
CONCRETE			
METAL			
WOOD			
PVC			
TILE			
CEMENT BOARD			

HIGH PERFORMANCE DRILL BITS

RED HEX

HSS-TIN METAL DRILL BITS

SHOCKWAVE IMPACT DUTY™



1/4"

FOR IMPACTS AND DRILLS

RED COBALT

HSS-CO METAL DRILL BITS

3 FLAT

QUAD EDGE™ TIP

VARIABLE FLUTE

ENHANCED TAPERED WEB

RED HEX & RED COBALT SPECIFICATIONS

QUAD EDGE™ TIP

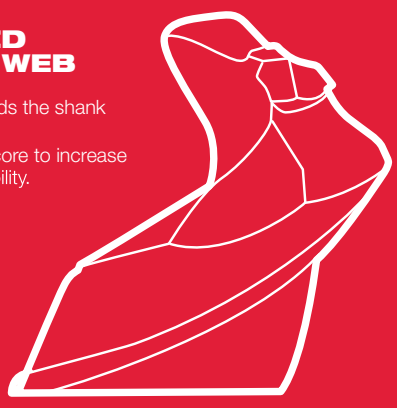
- Unique combination of 135° split point and four cutting edges.
- Allows for precise and fast drilling start without walking.
- Four cutting edges create smaller chips to prevent heat build up to ensure longer life.

VARIABLE FLUTE GEOMETRY

- Faster material ejection.
- Helps the bit run cooler and prevent it from burning out faster.

ENHANCED TAPERED WEB

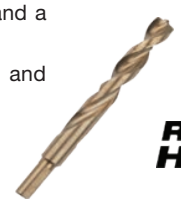
- Wider core towards the shank of the drill bit.
- Strengthens the core to increase overall flute durability.



Quad Edge™ Tip on sizes > Ø 4.5 mm. 3-Flat on HSS-Co sizes > Ø 5 mm.

RED HELIX™ COBALT DRILL BITS - METRIC

- RED HELIX™ Cobalt Drill Bits are engineered for extreme durability and longer life in hard metal applications.
- RED HELIX™ Cobalt Drill Bits feature a QUAD EDGE™ Tip designed with four cutting edges that help decrease heat buildup and allow for faster drilling.
- These bits also feature an Enhanced Tapered Web, strengthening the bits' cores to increase flute durability, and a Variable Helix flute including an aggressive 35 degrees Helix Angle which ends at 15 degrees
- Designed to provide precision starts and prevent walking for fast, accurate holes in Wood, PVC, Mild Steel and Stainless Steel.



RED HELIX™ COBALT DRILL BITS - METRIC

Descriptions	Includes	Part Number
19 Pc Metric RED HELIX™ Cobalt Drill Bit Set	(1) Ø 1 mm Cobalt RED HELIX™ Drill Bit (1) Ø 1.5 mm Cobalt RED HELIX™ Drill Bit (1) Ø 2 mm Cobalt RED HELIX™ Drill Bit (1) Ø 2.5 mm Cobalt RED HELIX™ Drill Bit (1) Ø 3 mm Cobalt RED HELIX™ Drill Bit (1) Ø 3.5 mm Cobalt RED HELIX™ Drill Bit (1) Ø 4 mm Cobalt RED HELIX™ Drill Bit (1) Ø 4.5 mm Cobalt RED HELIX™ Drill Bit (1) Ø 5 mm Cobalt RED HELIX™ Drill Bit (1) Ø 5.5 mm Cobalt RED HELIX™ Drill Bit (1) 6 mm Cobalt RED HELIX™ Drill Bit (1) 6.5 mm Cobalt RED HELIX™ Drill Bit (1) 7 mm Cobalt RED HELIX™ Drill Bit (1) 7.5 mm Cobalt RED HELIX™ Drill Bit (1) 8 mm Cobalt RED HELIX™ Drill Bit (1) 8.5 mm Cobalt RED HELIX™ Drill Bit (1) 9 mm Cobalt RED HELIX™ Drill Bit (1) 9.5 mm Cobalt RED HELIX™ Drill Bit (1) 10 mm Cobalt RED HELIX™ Drill Bit	48-89-2530
25 Pc Metric RED HELIX™ Cobalt Drill Bit Set	(1) 1 mm Cobalt RED HELIX™ Drill Bitt (1) 1.5 mm Cobalt RED HELIX™ Drill Bit (1) 2 mm Cobalt RED HELIX™ Drill Bit (1) 2.5 mm Cobalt RED HELIX™ Drill Bit (1) 3 mm Cobalt RED HELIX™ Drill Bit (1) 3.5 mm Cobalt RED HELIX™ Drill Bit (1) 4 mm Cobalt RED HELIX™ Drill Bit (1) 4.5 mm Cobalt RED HELIX™ Drill Bit (1) 5 mm Cobalt RED HELIX™ Drill Bit (1) 5.5 mm Cobalt RED HELIX™ Drill Bit (1) 6 mm Cobalt RED HELIX™ Drill Bit (1) 6.5 mm Cobalt RED HELIX™ Drill Bit (1) 7 mm Cobalt RED HELIX™ Drill Bit (1) 7.5 mm Cobalt RED HELIX™ Drill Bit (1) 8 mm Cobalt RED HELIX™ Drill Bit (1) 8.5 mm Cobalt RED HELIX™ Drill Bit (1) 9 mm Cobalt RED HELIX™ Drill Bit (1) 9.5 mm Cobalt RED HELIX™ Drill Bit (1) 10 mm Cobalt RED HELIX™ Drill Bit (1) 10.5 mm Cobalt RED HELIX™ Drill Bit (1) 11 mm Cobalt RED HELIX™ Drill Bit (1) 11.5 mm Cobalt RED HELIX™ Drill Bit (1) 12 mm Cobalt RED HELIX™ Drill Bit (1) 12.5 mm Cobalt RED HELIX™ Drill Bit (1) 13 mm Cobalt RED HELIX™ Drill Bit	48-89-2531

SHOCKWAVE™ RED HELIX™ TITANIUM HEX DRILL BIT SETS

- SHOCKWAVE™ Impact Duty RED HELIX™ Titanium Drill Bits are engineered for use in Impacts and Drill/Drivers with ¼" Hex Shank.
- RED HELIX™ Drill Bits feature a QUAD EDGE™ Tip designed with four cutting edges that help decrease heat buildup and allow for faster drilling.
- These bits also feature an Enhanced Tapered Web, strengthening the bits' cores to increase flute durability, and a Variable Helix flute including an aggressive 35 degrees Helix Angle which ends at 15 degrees.
- Designed to provide precision starts and prevent walking for fast, accurate holes in Wood, PVC and Mild Steel.

RED HELIX™
SHOCKWAVE™ IMPACT DUTY

Descriptions	Includes		Part Number
10 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) Ø 3 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 3.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5 mm Metric Titanium SHOCKWAVE RED HELIX™	(1) Ø 6 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10 mm Metric Titanium SHOCKWAVE RED HELIX™	48-89-4859
19 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) Ø 2 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 2.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 3 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 3.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 4 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6 mm Metric Titanium SHOCKWAVE RED HELIX™	(1) Ø 6.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10 mm Metric Titanium SHOCKWAVE RED HELIX™	48-89-4860
25 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) Ø 2 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 2.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 3 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 3.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 4 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7.5 mm Metric Titanium SHOCKWAVE RED HELIX™	(1) Ø 8 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 11 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 11.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 12 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 12.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 13 mm Metric Titanium SHOCKWAVE RED HELIX™	48-89-4861
29 Pc Metric SHOCKWAVE™ RED HELIX™ Titanium Drill Bit Set	(1) Ø 2 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 2.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 3 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 3.2 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 3.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (2) Ø 4 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.2 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 4.8 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 5.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 6.8 mm Metric Titanium SHOCKWAVE RED HELIX™	(1) Ø 7 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 7.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 8.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 9.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 10.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 11 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 11.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 12 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 12.5 mm Metric Titanium SHOCKWAVE RED HELIX™ (1) Ø 13 mm Metric Titanium SHOCKWAVE RED HELIX™	48-89-4862

COBALT STEP DRILLS

New Aluminum Chromium Nitride (AlCrN) coating for 10x more life vs. MILWAUKEE™ standard step drill. For steel and stainless steel.

MATERIALS:

STEEL	COPPER	BRASS	ALUMINIUM	STAINLESS STEEL	PLASTIC

1. RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.
2. Optimised 2 flute ground sharpened edge geometry for 2 x faster and smoother cutting.
3. Special tip and step geometry for jam-free performance - less risk of drill snagging when used with high speed cordless tools and also prevents deformation of the drilled material.
4. Produced from custom engineered steel with black oxide coating for 4 x longer life.
5. Laser engraved size markings for best long term visibility.
6. Each step is relief ground to drill and deburr automatically.
7. With 3 flat secure grip to prevent step drill from slipping in the chuck and ensure maximum transmission of torque.

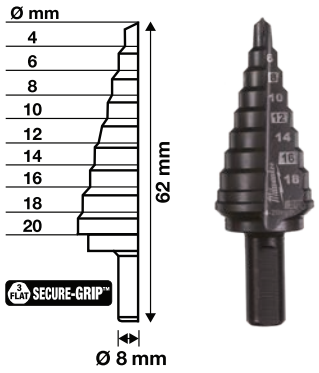
TRADES:

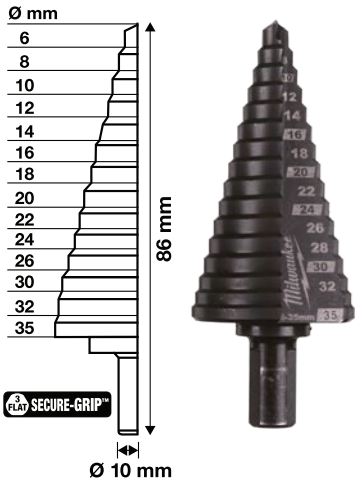
ELECTRICAL	PLUMBING, MECHANICAL ENGINEERING & HVAC	CARPENTRY & JOINERY	AUTOMOTIVE & TRANSPORTATION	MAINTENANCE & OPERATIONS
Drilling of panels and cabinets for cable gland installation	Access holes for pipework and installation	Various sizes and hole enlargement	Holes for cable installation	Various applications, sizes and hole enlargement

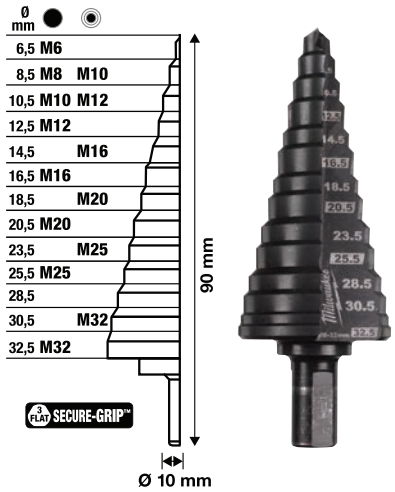
COBALT STEP DRILL BIT

- New Aluminum Chromium Nitride (AlCrN) coating for 10x more life vs. MILWAUKEE™ standard step drill.
- For steel and stainless steel.
- RAPID STRIKE TIP™: Accurate start without walking and fast drilling without the need to pre-drill the material.
- Special tip and step geometry for jam-free performance - less risk of drill snagging when used with cordless tools and also prevents deformation of the drilled material.
- Optimised 2 flute ground sharpened edge geometry for 2 x faster and smoother cutting.
- With 3 flat secure grip to prevent step drill from slipping in the chuck and ensure maximum transmission of torque.
- Laser engraved size markings for best long term visibility.

	Description	Shank Diameter (mm)	Overall Length (mm)	No. of Steps	Pack Quantity	Min. order quantity	Article Number	EAN Code
①	4 - 20 mm	8	62	10	1	1	**48899372**	045242603862
②	6 - 35 mm	10	86	16	1	1	**48899395**	045242567676
③	M6 - M32	10	90	14	1	1	**48899380**	045242567652
④	**Cobalt Step Drill Set (2 Pc)** Includes 2 cobalt step drill bits: 4 - 20 mm, 6 - 35 mm				2	1	**48899398**	045242529216

① 

② 

③ 

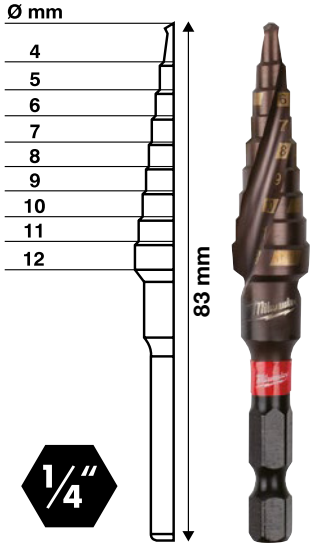
④

SHOCKWAVE™ IMPACT DUTY STEP DRILL BIT

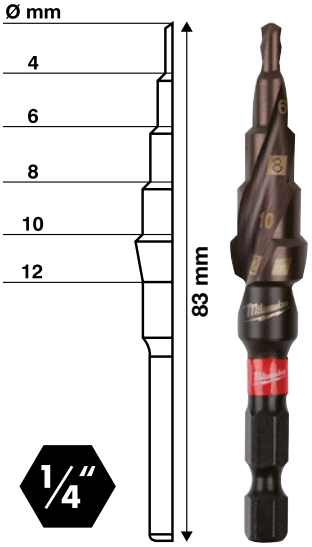
- SHOCKWAVE™ Impact Duty step drills are designed to deliver best-in-class performance in impact drivers and also the versatility to be used in drill drivers.
- The 1/4" Hex shank with an optimised SHOCKZONE™ ensures maximum durability by preventing early shank breaks.
- New Titanium Aluminium Nitride coating helps to reduce heat generation for 5x more life.
- RAPID STRIKE TIP™ : Accurate start without walking and fast drilling without the need to pre-drill the material.
- Dual spiral flute design: Optimised for impact driver speed and for smooth, jam-free drilling.
- Laser engraved markings: Do not wear away with time.

	Description	Shank Diameter (mm)	Overall Length (mm)	No. of Steps	Pack Quantity	Min. Order Quantity	Article Number	EAN Code
①	4 - 12 mm / 1″	1/4″ Hex	83	9	1	1	**48899261**	045242505166
②	4 - 12 mm / 2″	1/4″ Hex	83	5	1	1	**48899262**	045242505173
③	4 - 20 mm	1/4″ Hex	83	9	1	1	**48899263**	045242505180
④	4 - 30 mm	1/4″ Hex	95	12	1	1	**48899265**	045242505203
⑤	**SHOCKWAVE Impact Duty Step Drill Set (3 Pc)** Includes 3 SHOCKWAVE Step Drill Bits: 4 - 12 mm/1, 4 - 20 mm, 4 - 30 mm				3	1	**48899266**	045242505210

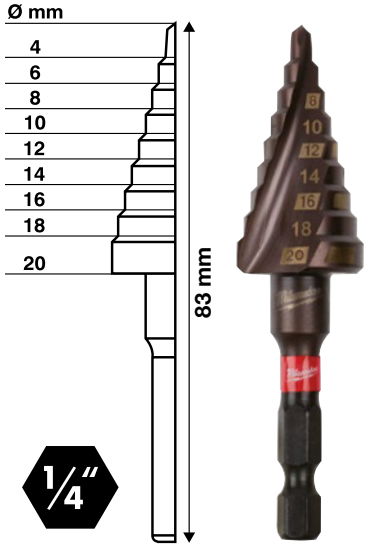
① Ø mm



② Ø mm



③ Ø mm



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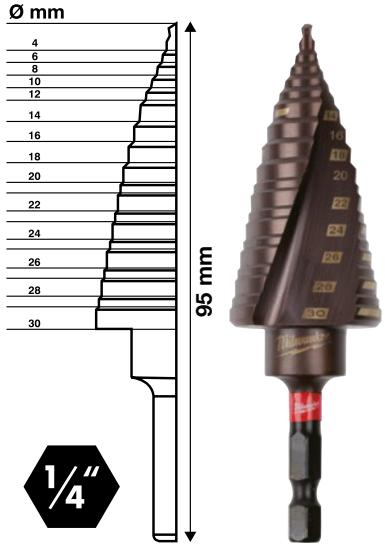

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STEP DRILL BIT

	Description	Shank Diameter (mm)	Overall Length (mm)	No. of Steps	Pack Quantity	Min. Order Quantity	Article Number	EAN Code
①	PG7 - PG21	10	68	9	1	1	**48899321**	045242364060
②	M6 - M32	10	92	13	1	1	**48899332**	045242344437
③	4 - 12 mm / 1	6	65	9	1	1	**48899301**	045242342532
④	4 - 20 mm	8	65	9	1	1	**48899320**	045242344406
⑤	6 - 35 mm	10	90	14	1	1	**48899335**	045242344413
⑥	**Step Drill Set (3 Pc)** Includes 3 Step Drill Bits: 4 - 12 mm/1, 4 - 20 mm, 6 - 35 mm				3	1	**48899399**	045242344420

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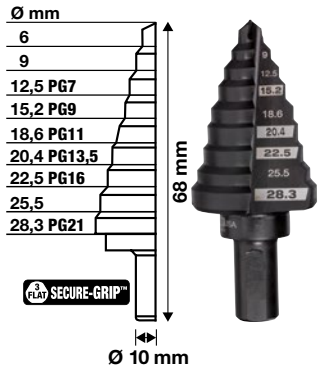

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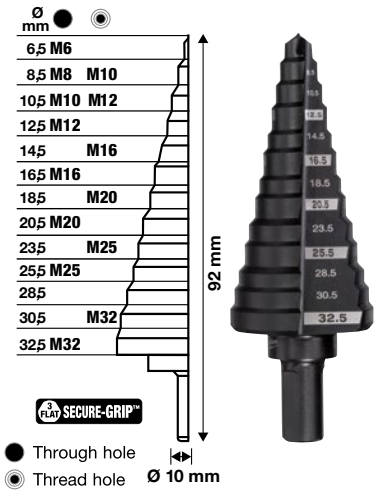

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HSS DRILL BIT APPLICATION GUIDE

Material Class	**Material Type**	**Hardness / Tensile Strength N/mm²**	**Rockwell**	**RED COBALT – HSS-Ground - DIN 338**	**RED HEX – Shockwave HSS-Ground Titanium**	**Step Drills**	**Shockwave Step Drills**	**Cobalt Step Drills**	**Cooling Agent**
Steel	Non-alloyed construction steel, non-alloyed case hardened steel	< 400	< HRB 69	●	●	●	●	●	Drilling emulsion, cutting oil
		400 –800	< HRC 21	●	●	●	●	●	
	Sheet Steel	< 800	< HRC 21	●	●	●	●	●	Drilling emulsion, ester oil
	Non-alloyed tool steel	< 800	< HRC 21	●	●	●	●	●	Drilling emulsion, cutting oil
	Alloyed tool steel	< 800	< HRC 21	●	●	●	●	●	Drilling emulsion, ester oil
		> 800	> HRC 21	●	●	▲	▲	●	
	Alloyed hardened & tempered steel	< 1200	< HRC 37	●	●	▲	▲	▲	Drilling emulsion, ester oil
		> 1200	> HRC 38	●	●	▲		▲	
Stainless Steel	Stainless steel <	1000	< HRC 30	●	●	▲		●	Rapeseed oil, cutting oil
	Stainless steel	1000 –1200	HRC 30–37	●	●	▲		●	
Cast Iron	Malleable cast iron	750	HRB 99	●	●	●	●	●	Dry
	Soft	450	HRB 75	●	●	▲		●	Drilling emulsion, cutting oil
	Hard	700	HRB 96	●	●	●	●	●	
Aluminium		< 350	< HRC 59	●	●	●	●	●	Drilling emulsion, cutting oil
Copper				●	●	●	●	●	Drilling emulsion, cutting oil
Bronze				●	●	●	●	●	Dry
Brass				●	●	●	●	●	Drilling emulsion
Magnesium				●	●				Dry
Plastics	PVC, Polyamide, Thermoplastics			●	●	●	●	●	Water
Wood				●	●				Dry

● Most suitable. Recommended for these materials. ▲ Suitable. Recommended for intermittent use in these materials.

HOLE DOZER™ WITH CARBIDE TEETH HOLE SAW

- The MILWAUKEE™ HOLE DOZER™ With Carbide Teeth Hole Saw features a new 3 TPI design that offers users fast cuts with the durability of a bi-metal hole saw and life of a carbide hole saw.
- The HOLE DOZER™ With Carbide Teeth Hole Saw provides longer life in general purpose and extreme materials with the ability to cut through stainless steel, cast iron, fastener-embedded wood, cement board, fiberglass, plaster, asphalt shingle and more with ease.
- Deep gullets clear material fast while cutting and our ALL ACCESS SLOTS solve the frustration of plug removal, making users more productive with less downtime between holes.
- The slot design also gives users increased pilot visibility for accurate placement and faster chip ejection, keeping their cut cool.

HOLE DOZER™ CARBIDE TEETH

THERMOSET COATING 2X FASTER

LONG LIFE IN STAINLESS STEEL.

HOLE SAW SELECTION GUIDE

1 Identify the material to be cut in the columns below

2 Choose the appropriate product RECOMMENDED or ACCEPTABLE

		STAINLESS STEEL	METAL	ALUMINUM & OTHER NON-FERROUS METALS	DUCT	CAST IRON	WOOD WITH NAILS	CEILING TILE	PLASTER/ DRYWALL	PVC & PLASTICS	CLEAN WOOD	FIBERGLASS	CEMENT	TILE	BRICK & BLOCK	GRANITE
HOLE SAWS	CARBIDE TEETH															
	BI-METAL															
	IMPACT HOLE SAWS															
PILOT BITS	THUNDERBOLT™															
	CARBIDE TIPPED															

Diameter (mm)	Diameter (Inch)	Max. Cutting Depth (mm)	Part Number
17	11/16"	41	49-56-0700
19	3/4"	41	49-56-0702
22	7/8"	41	49-56-0704
25	1"	41	49-56-0707
27	1-1/16"	41	49-56-0807
29	1-1/8"	41	49-56-0708
32	1-1/4"	41	49-56-0710
33	1-5/16"	41	49-56-0711
35	1-3/8"	41	49-56-0712
38	1-1/2"	41	49-56-0713
41	1-5/8"	41	49-56-0714
44	1-3/4"	41	49-56-0717
48	1-7/8"	41	49-56-0719
51	2"	41	49-56-0720
54	2-1/8"	41	49-56-0722
57	2-1/4"	41	49-56-0724
60	2-3/8"	41	49-56-0726
64	2-1/2"	41	49-56-0727
65	2-9/16"	41	49-56-0728
67	2-5/8"	41	49-56-0729
68	3-1/4"	41	49-56-0730
70	2-11/16"	41	49-56-0731
76	2-3/4"	41	49-56-0734
79	3"	41	49-56-0735
83	3-1/8"	41	49-56-0736
86	3-3/8"	41	49-56-0737
89	3-1/2"	41	49-56-0738
92	3-5/8"	41	49-56-0739
95	3-3/4"	41	49-56-0741
102	4"	41	49-56-0742
105	4-1/8"	41	49-56-0743
108	4-1/4"	41	49-56-0744
114	4-1/2"	41	49-56-0746
114	4-5/8"	41	49-56-0747
121	4-3/4"	41	49-56-0847
127	5"	41	49-56-0748
140	5-1/2"	41	49-56-0848
152	6"	41	49-56-0749

HOLE DOZER™ WITH BI-METAL TEETH HOLE SAW

- MILWAUKEE™ HOLE DOZER™ With Bi-Metal Hole Saws new 3.5 TPI tooth design offers users the longest life in metal applications.
- These HOLE DOZER™ Bi-Metal Hole Saws can take on all general purpose applications, making them the most durable hole saws.
- Our ALL ACCESS SLOTS solve the frustration of plug removal, making users more productive with less downtime between holes.
- The new slot design also gives users increased pilot visibility for accurate placement and faster chip ejection keeping their cut cool.
- HOLE DOZER™ Thermoset Coating allows for faster cutting and is optimized for cordless tools, delivering users 25% more holes per charge.

Diameter (mm)	Diameter (Inch)	Max. Cutting Depth (mm)	Part Number
14	9/16"	41	49-56-9690
16	5/8"	41	49-56-9603
17	11/16"	41	49-56-9604
19	3/4"	41	49-56-9605
21	13/16"	41	49-56-9606
22	7/8"	41	49-56-9607
24	15/16"	41	49-56-9608
25	1"	41	49-56-9609
27	1-1/16"	41	49-56-9610
29	1-1/8"	41	49-56-9611
30	1-3/16"	41	49-56-9612
32	1-1/4"	41	49-56-9613
33	1-5/16"	41	49-56-9614
35	1-3/8"	41	49-56-9615
37	1-7/16"	41	49-56-9616
38	1-1/2"	41	49-56-9617
40	1-9/16"	41	49-56-9618
41	1-5/8"	41	49-56-9619
43	1-11/16"	41	49-56-9620
44	1-3/4"	41	49-56-9621
46	1-13/16"	41	49-56-9622
48	1-7/8"	41	49-56-9623
51	2"	41	49-56-9624
52	2-1/16"	41	49-56-9625
54	2-1/8"	41	49-56-9626

Diameter (mm)	Diameter (Inch)	Max. Cutting Depth (mm)	Part Number
57	2-1/4"	41	49-56-9628
59	2-5/16"	41	49-56-9629
60	2-3/8"	41	49-56-9630
64	2-1/2"	41	49-56-9631
65	2-9/16"	41	49-56-9632
67	2-5/8"	41	49-56-9633
70	2-3/4"	41	49-56-9635
73	2-7/8"	41	49-56-9636
76	3"	41	49-56-9637
79	3-1/8"	41	49-56-9638
83	3-1/4"	41	49-56-9639
86	3-3/8"	41	49-56-9640
89	3-1/2"	41	49-56-9641
92	3-5/8"	41	49-56-9642
95	3-3/4"	41	49-56-9643
98	3-7/8"	41	49-56-9644
102	4"	41	49-56-9645
105	4-1/8"	41	49-56-9646
108	4-1/4"	41	49-56-9647
111	4-3/8"	41	49-56-9648
114	4-1/2"	41	49-56-9649
121	4-3/4"	41	49-56-9650
127	5"	41	49-56-9652
140	5-1/2"	41	49-56-9654
152	6"	41	49-56-9656

HOLE DOZER™

HIGHLY DURABLE HOLE SAW.

RIP GUARD™

RIP GUARD
Tooth Design Prevents Breaking

- Added steel for tooth strength

PLUG JACK
All-Access Slot

- Wider slots with multiple leverage positions

MADE IN USA
WITH GLOBAL MATERIALS

Model	Description
49-56-6560	Arbor Adapter
49-56-6950	Hole Saw Small Arbor 1/4" Shank
49-56-7000	Hole Saw Small Arbor 7/16" Shank
49-56-7040	Hole Saw Large Arbor 3/8" Shank
49-56-7055	Hole Saw Large Arbor 7/16" q/c, thru-hole
49-56-7240	Hole Saw Large Arbor 7/16" q/c, ergo grip
49-56-7250	Hole Saw Large Arbor 3/8" q/c, ergo grip
49-56-8000	Hole Saw Thunderbolt Pilot Drill 1/4" x 4"
49-56-8005	Hole Saw Carbide Tipped Pilot Drill 1/4" x 3 1/2"
49-56-8010	Hole Saw Thunderbolt Pilot Drill 1/4" x 3 1/2"
49-56-8031	Hole Saw Thunderbolt Pilot Drill 1/4" x 4" - Bulk (12)
49-56-8033	Hole Saw Thunderbolt Pilot Drill 1/4" x 3 1/2" - Bulk (12)
49-56-9100	Hole Saw Large Arbor 7/16" q/c, No Wobble

HOLE SAW ARBORS

UNIVERSAL
- Works with all major brands of hole saws
- Accepts any 1/4" straight or 3-flat shank pilot bit

DURABLE
- Made from hardened steel and alloy steel

QUICK CHANGE ARBORS
- Tool-free operation
- No adapter required

	49-56-7000	49-56-6950	49-56-7055	49-56-9100	49-56-7250	49-56-7240
			Quick Change	Quick Change	Quick Change	Quick Change
Hole Saw Size Range	Up to 1-3/8" (35mm)		1-1/4" & Larger (32mm +)			
Minimum Chuck Size	1/2" (13mm)	1/4" (6mm)	1/2" (13mm)	1/2" (13mm)	3/8" (10mm)	1/2" (13mm)
Works with Pilot Bits	49-56-8000, 49-56-8010, 49-56-8005	49-56-8000, 49-56-8005		49-56-8000, 49-56-8010, 49-56-8005		

PILOT BITS

- THUNDERBOLT Pilot Bit with Thicker Core - Up To 5X More Durable

Description	Individual Package	12 Pack (Bulk)
1/4" x 4" THUNDERBOLT Pilot Bit	49-56-8000	49-56-8031
1/4" x 3-1/2" THUNDERBOLT Pilot Bit	49-56-8010	49-56-8033
1/4" x 4" Carbide Tipped Pilot Bit	49-56-8005	-
Cobalt Pilot Bit for Hole Saw	49-56-7100	-
SmallA rbor with Cobalt Pilot Bit	49-56-7110	-
Large Arbor with Cobalt Pilot Bit	49-56-7115	-

SHOCKWAVE™ IMPACT DUTY HOLE SAWS

- Designed with 1/4" Quick Change Hex Shank: For use with impact drivers
- Utilizing a Thin wall 8 TPI design, SHOCKWAVE™ Impact Duty Hole Saws deliver a burr-free cut up to 40% faster than standard bi-metal hole saws.
- The included ejection spring removes the frustration of manually removing slugs by automatically ejecting the material.
- A stop shoulder design prevents over-drilling into material and potentially damaging inner components of electrical and junction boxes. Choose SHOCKWAVE™ Impact Duty Hole Saws for use in plastics and thin-gauge metals up to 3.2mm thick.

Diameter (mm)	Pack Quantity	Part Number
19	1	49569805
22	1	49569810
25	1	49569815
29	1	49569820
32	1	49569825
35	1	49569830
38	1	49569835
SHOCKWAVE Impact Duty™ Hole Saw Set (3pc) (3) x 22mm, 29mm, 35mm		49224800

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2

SHOCKWAVE IMPACT DUTY™

DRIVING PERFORMANCE FORWARD

SHOCKWAVE™ IMPACT DRIVER BITS

WEAR GUARD TIP™

C N M

CUSTOM ALLOY 76™ STEEL

OPTIMIZED SHOCK ZONE™

MILWAUKEE™ SHOCKWAVE™ IMPACT DUTY driver bits are engineered to be the most durable, best fitting driver bits on the market. The WEAR GUARD TIP™ is laser hardened to create an outer shield that protects the fit over the life of the bit. The SHOCK ZONE™ is optimized for each tip type and length of driver bit, absorbing peak torque and preventing breaking. The customized CUSTOM ALLOY76™ steel and heat treatment for each tip type is engineered to ensure best performance across tip types and extended life vs. standard bits. The SHOCKWAVE™ impact driver bits provide extreme durability for the most demanding job site applications.

SHOCKWAVE™ IMPACT DUTY DRIVER BITS

NEW

- ENHANCED TIP GEOMETRY - Improved fastener engagement, optimized for best-in-class fitment, best fitment out of package, and through the life of the bit
- OPTIMIZED SHOCKZONE™ - Absorbs peak torque to prevent breaking, 59 unique SHOCKZONES™ across the full lineup, optimized per tip type across the lineup
- UPDATED MATERIALS - Increased wear-resistance, protects fit over life of bit, improved materials for longer tip life

Description	Pack Quantity	Part Number
SHOCKWAVE™ Impact Duty 25MM Phillips #1 Insert Bits 3PC	3	4932430850
SHOCKWAVE™ Impact Duty 50MM Phillips #1 Power Bit	1	4932471564
SHOCKWAVE™ Impact Duty 90MM Phillips #1 Power Bit	1	4932430851
SHOCKWAVE™ Impact Duty 25MM Phillips #2 Insert Bits 3PC	3	4932430852
SHOCKWAVE™ Impact Duty 25MM Phillips #2 Insert Bits 25PC	25	4932430853
SHOCKWAVE™ Impact Duty 50MM Phillips #2 Power Bit	1	4932430854
SHOCKWAVE™ Impact Duty 50MM Phillips #2 Power Bits 25PC	10	4932430855
SHOCKWAVE™ Impact Duty 90MM Phillips #2 Power Bit	1	4932430856
SHOCKWAVE™ Impact Duty 150MM Phillips #2 Power Bit	1	4932471565
SHOCKWAVE™ Impact Duty 25MM Phillips #3 Insert Bits 3PC	3	4932430857
SHOCKWAVE™ Impact Duty 50MM Phillips #3 Power Bit	1	4932430858
SHOCKWAVE™ Impact Duty 90MM Phillips #3 Power Bit	1	4932430859
SHOCKWAVE™ Impact Duty 25MM PZ1 Insert Bits 3PC	3	4932430860
SHOCKWAVE™ Impact Duty 25MM PZ1 Insert Bits 25PC	25	4932430861
SHOCKWAVE™ Impact Duty 50MM PZ1 Power Bit	1	4932471566
SHOCKWAVE™ Impact Duty 50MM PZ1 Power Bits 10PC	10	4932500231
SHOCKWAVE™ Impact Duty 90MM PZ1 Power Bit	1	4932430862
SHOCKWAVE™ Impact Duty 150MM PZ1 Power Bit	1	4932500393
SHOCKWAVE™ Impact Duty 25MM PZ2 Insert Bits 3PC	3	4932430863
SHOCKWAVE™ Impact Duty 25MM PZ2 Insert Bits 25PC	25	4932430864
SHOCKWAVE™ Impact Duty 50MM PZ2 Power Bit	1	4932430865
SHOCKWAVE™ Impact Duty 50MM PZ2 Power Bits 10PC	10	4932430866
SHOCKWAVE™ Impact Duty 90MM PZ2 Power Bit	1	4932430867
SHOCKWAVE™ Impact Duty 150MM PZ2 Power Bit	1	4932471928
SHOCKWAVE™ Impact Duty 25MM PZ3 Insert Bits 3PC	3	4932430868
SHOCKWAVE™ Impact Duty 25MM PZ3 Insert Bits 25PC	25	4932430869
SHOCKWAVE™ Impact Duty 50MM PZ3 Power Bit	1	4932430870
SHOCKWAVE™ Impact Duty 150MM PZ3 Power Bit	1	4932471929
SHOCKWAVE™ Impact Duty 25MM TX7 Insert Bits 3PC	3	4932471567
SHOCKWAVE™ Impact Duty 25MM TX8 Insert Bits 3PC	3	4932471568
SHOCKWAVE™ Impact Duty 25MM TX9 Insert Bits 3PC	3	4932471569
SHOCKWAVE™ Impact Duty 25MM TX10 Insert Bits 3PC	3	4932430871
SHOCKWAVE™ Impact Duty 25MM TX10 Insert Bits 25PC	25	4932500398
SHOCKWAVE™ Impact Duty 50MM TX10 Power Bit	1	4932471570
SHOCKWAVE™ Impact Duty 90MM TX10 Power Bit	1	4932500233
SHOCKWAVE™ Impact Duty 25MM TX15 Insert Bits 3PC	3	4932430872
SHOCKWAVE™ Impact Duty 25MM TX15 Insert Bits 25PC	25	4932430873
SHOCKWAVE™ Impact Duty 50MM TX15 Power Bit	1	4932451286
SHOCKWAVE™ Impact Duty 90MM TX15 Power Bit	1	4932471571
SHOCKWAVE™ Impact Duty 150MM TX15 Power Bit	1	4932471572
SHOCKWAVE™ Impact Duty 25MM TX20 Insert Bits 3PC	3	4932430874
SHOCKWAVE™ Impact Duty 25MM TX20 Insert Bits 25PC	25	4932430875
SHOCKWAVE™ Impact Duty 50MM TX20 Power Bit	1	4932430876
SHOCKWAVE™ Impact Duty 50MM TX20 Power Bit 10PC	10	4932430877

Description	Pack Quantity	Part Number
SHOCKWAVE™ Impact Duty 90MM TX20 Power Bit	1	4932430878
SHOCKWAVE™ Impact Duty 150MM TX20 Power Bit	1	4932471573
SHOCKWAVE™ Impact Duty 25MM TX25 Insert Bits 3PC	3	4932430879
SHOCKWAVE™ Impact Duty 25MM TX25 Insert Bits 25PC	25	4932430880
SHOCKWAVE™ Impact Duty 50MM TX25 Power Bit	1	4932430881
SHOCKWAVE™ Impact Duty 50MM TX25 Power Bit 10PC	10	4932430882
SHOCKWAVE™ Impact Duty 90MM TX25 Power Bit	1	4932430883
SHOCKWAVE™ Impact Duty 150MM TX25 Power Bit	1	4932500392
SHOCKWAVE™ Impact Duty 25MM TX27 Insert Bits 3PC	3	4932430884
SHOCKWAVE™ Impact Duty 25MM TX30 Insert Bits 3PC	3	4932430885
SHOCKWAVE™ Impact Duty 25MM TX30 Insert Bits 25PC	25	4932430886
SHOCKWAVE™ Impact Duty 50MM TX30 Power Bit	1	4932430887
SHOCKWAVE™ Impact Duty 50MM TX30 Power Bit 10PC	10	4932471574
SHOCKWAVE™ Impact Duty 90MM TX30 Power Bit	1	4932471575
SHOCKWAVE™ Impact Duty 25MM TX40 Insert Bits 3PC	3	4932430888
SHOCKWAVE™ Impact Duty 25MM TX40 Insert Bits 25PC	25	4932430889
SHOCKWAVE™ Impact Duty 50MM TX40 Power Bit	1	4932430890
SHOCKWAVE™ Impact Duty 25MM TX45 Insert Bits 3PC	3	4932500394
SHOCKWAVE™ Impact Duty 25MM TX50 Insert Bits 3PC	3	4932430891
SHOCKWAVE™ Impact Duty 25MM TX50 Insert Bits 25PC	25	4932430892
SHOCKWAVE™ Impact Duty Torx Set 32PC	1	4932471586
SHOCKWAVE™ Impact Duty 25MM TXBO7 Insert Bits 3PC	3	4932471577
SHOCKWAVE™ Impact Duty 25MM TXBO8 Insert Bits 3PC	3	4932471578
SHOCKWAVE™ Impact Duty 25MM TXBO9 Insert Bits 3PC	3	4932471579
SHOCKWAVE™ Impact Duty 25MM TXBO10 Insert Bits 3PC	3	4932471580
SHOCKWAVE™ Impact Duty 25MM TXBO15 Insert Bits 3PC	3	4932471581
SHOCKWAVE™ Impact Duty 25MM TXBO20 Insert Bits 3PC	3	4932471582
SHOCKWAVE™ Impact Duty 25MM TXBO25 Insert Bits 3PC	3	4932471583
SHOCKWAVE™ Impact Duty 25MM TXBO30 Insert Bits 3PC	3	4932471584
SHOCKWAVE™ Impact Duty 25MM TXBO40 Insert Bits 3PC	3	4932471585
SHOCKWAVE™ Impact Duty 25MM HEX2,5 Insert Bits 3PC	3	4932430893
SHOCKWAVE™ Impact Duty 25MM HEX3 Insert Bits 3PC	3	4932430894
SHOCKWAVE™ Impact Duty 25MM HEX4 Insert Bits 3PC	3	4932430895
SHOCKWAVE™ Impact Duty 25MM HEX5 Insert Bits 3PC	3	4932430896
SHOCKWAVE™ Impact Duty 25MM HEX6 Insert Bits 3PC	3	4932430897
SHOCKWAVE™ Impact Duty 25MM HEX8 Insert Bits 3PC	3	4932430898
SHOCKWAVE™ Impact Duty 25MM HEX10 Insert Bits 3PC	3	4932430899
SHOCKWAVE™ Impact Duty 25MM HEX25 Insert Bits 3PC	3	4932430900
SHOCKWAVE™ Impact Duty 50MM SQ1 Power Bit	1	4932500390
SHOCKWAVE™ Impact Duty 50MM SQ2 Power Bit	1	4932500391
SHOCKWAVE™ Impact Duty 25MM SLO, 6 Insert Bits 3PC	3	4932430901
SHOCKWAVE™ Impact Duty 25MM SLO, 8 Insert Bits 3PC	3	4932430902
SHOCKWAVE™ Impact Duty 25MM SL1, 2 Insert Bits 3PC	3	4932430903

SHOCKWAVE™ IMPACT DUTY BIT HOLDERS

NEW

- LESS DROPPED SCREWS: Front facing magnet directly engages screw head
- MOST DURABLE, SHOCKZONE™: Shank absorbs peak torque, prevents breaking
- SECURE HOLD: Better control, easiest driving

Description	Pack Quantity	Part Number
SHOCKWAVE™ Magnetic Bit Holder 60mm	1	4932500396
SHOCKWAVE™ Magnetic Bit Holder 60mm Set	100	4932430478
SHOCKWAVE™ Magnetic Bit Holder 75mm	1	4932500396
SHOCKWAVE™ Magnetic Drive Guide Bit Holder 75mm	1	4932500395
SHOCKWAVE™ Magnetic Bit Holder 152mm	1	4932471822
SHOCKWAVE™ Magnetic Bit Holder 305mm	1	4932471823

SHOCKWAVE™ IMPACT DUTY SETS

NEW

Description	Pack Quantity	Part Number
SHOCKWAVE™ Impact Duty Carabiner Set (1) 10PC	10	4932480941
SHOCKWAVE™ Impact Duty Carabiner Set (2) 10PC	10	4932492939
SHOCKWAVE™ Impact Duty Carabiner Set (3) 10PC	10	4932500397
SHOCKWAVE™ Impact Duty Casettes 12PC	12	4932430910AS
SHOCKWAVE™ Impact Duty Puck Sets 15PC	15	4932430904
SHOCKWAVE™ Impact Duty Bit Set 32PC	32	4932464240
SHOCKWAVE™ Impact Duty Bit Set 35PC	35	4932492003
SHOCKWAVE™ Impact Duty Bit Set 35PC	35	4932493653
SHOCKWAVE™ Impact Duty Bit Set 38PC	38	4932492009
SHOCKWAVE™ Impact Duty Bit Set 40PC	40	4932492004
SHOCKWAVE™ Impact Duty Bit Set 48PC	48	4932492005
SHOCKWAVE™ Impact Duty Bit Set 56PC	56	4932492006
SHOCKWAVE™ Impact Duty Bit Set 70PC	70	4932492007
SHOCKWAVE™ Impact Duty Bit Set 75PC	75	4932492008
SHOCKWAVE™ Impact Duty Bit Set 54PC	51	4932500389
SHOCKWAVE™ Impact Duty Bit Set (1) 39PC	39	4932479853
SHOCKWAVE™ Impact Duty Bit Set (2) 39PC	39	4932479854
SHOCKWAVE™ Impact Duty Driver Bit Set 18PC	18	48-32-4403AS
SHOCKWAVE™ Impact Duty Drill Drive Bit Set 46PC	46	48-32-5148AS
SHOCKWAVE™ Impact Duty Drill Drive Bit Set 50PC	50	48-32-4013AS
SHOCKWAVE™ Impact Duty Right Angle Attachment Set 11PC	11	4932471274
SHOCKWAVE™ Impact Duty KNUCKLE Offset Attachment 11PC	11	4932459781

SHOCKWAVE™ IMPACT DUTY DOUBLE-ENDED BITS

NEW

Description	Bit Type	Pack Quantity	Part Number
SHOCKWAVE™ Impact Duty 65MM PH1/PH1 Double Ended Bit 10PC	PH1/PH1	10	48-32-4360AS
SHOCKWAVE™ Impact Duty 65MM PH2/PH2 Double Ended Bit 10PC	PH2/PH2	10	48-32-4361AS
SHOCKWAVE™ Impact Duty 65MM PH3/PH3 Double Ended Bit 10PC	PH3/PH3	10	48-32-4362AS
SHOCKWAVE™ Impact Duty 110MM PH1/PH1 Double Ended Bit 10PC	PH1/PH1	10	48-32-4363AS
SHOCKWAVE™ Impact Duty 110MM PH2/PH2 Double Ended Bit 10PC	PH2/PH2	10	48-32-4364AS
SHOCKWAVE™ Impact Duty 110MM PH3/PH3 Double Ended Bit 10PC	PH3/PH3	10	48-32-4365AS
SHOCKWAVE™ Impact Duty 65MM PH2/PH2 Double Ended Bit w/ Small Compact PACKOUT™ Case - Asia	PH2/PH2	8	48-32-4361ASP

65mm

110mm

SHOCKWAVE IMPACT DUTY™

ULTIMATE FIT

LONG LASTING WEAR GUARD TIP

Customized tip geometry, less stripping

MOST DURABLE, SHOCK ZONE

Shank absorbs peak torque, prevents breaking

M2 STEEL SCREW EXTRACTOR SET

Description	Includes	SKU
M2 Steel Screw Extractor Set 4PC	(1) Screw Extractors #1, (1) Screw Extractors #2 (1) Screw Extractors #3, (1) Screw Extractors #4	49-57-9001

SHOCKWAVE™ IMPACT DUTY MAGNETIC ATTACHMENT AND PH2 BIT SETS

Description	Includes	Part Number
SHOCKWAVE™ Impact Duty Magnetic Attachment and PH2 Bit Set 3PC	(1) Magnetic Attachment (2) Phillips Bit 2'' P2	48-32-4550

SHOCKWAVE™ KNUCKLE PIVOTING BIT HOLDER

Description	Includes	Part Number
SHOCKWAVE™ 11PC 30° Knuckle	(1) Phillips Bit 1" P1	48-32-2301
	(1) Phillips Bit 1" P2	
	(1) Phillips Bit 1" P3	
	(1) Slotted Bit 1" SL 1/4"	
	(1) Slotted Bit 1" SL 1/8"	
	(1) Slotted Bit 1" SL 1/16"	
	(1) Slotted Bit 1" SL 1/32"	
	(1) Square Bit 1" SQ	
	(1) Square Bit 1" SQ2	
	(1) TORX Bit 1" T25	
	(1) Shockwave 30 Knuckle Pivoting Bit Holder	

SHOCKWAVE™ IMPACT DUTY DRIVE ADAPTERS

Drive Size	Part Number
1/4" square to 3/8" square	49-66-6720
3/8" square to 1/2" square	49-66-6723
1/2" square to 3/4" square	49-66-6726
3/4" square to 1" square	49-66-6729

SHOCKWAVE™ IMPACT DUTY MAGNETIC NUT DRIVER

Drive Size	1 Pack	2 Pack	25 Pack
1/4" and 5/16"	49-66-4541	49-66-4544	49-66-4742A
5/16" and 3/8"	49-66-4544		49-66-4743A

ACCESSORIES CASES

Segment	Description	Compatible with Bits	Outer Dimensions (mm)	Pack Quantity	Part Number	Images
Large Case	Customizable Large Case For Impact Driver Accessories	Adjustable rows fit ¼" hex bit shank accessories such as Driver bits, Drill bits, Nut drivers, Impact socket Adapters, Drive guides,..	L 149 x W 192 x H 53 mm	1	48-32-9922	
Medium Case	Customizable Medium Case For Impact Driver Accessories		L 99 x W 192 x H 53 mm	1	48-32-9921	
Medium Compact Case	Customizable Medium Compact Case For Impact Driver Accessories		L 99 x W 192 x H 36 mm	1	48-32-9931	
Small Case	Customizable Small Case For Impact Driver Accessories		L 99 x W 96 x H 53 mm	1	48-32-9920	
Small Compact Case	Customizable Small Compact Case For Impact Driver Accessories		L 99 x W 96 x H 36 mm	1	48-32-9930	

ACCESSORIES CASES ROWS

Segment	Description	Compatible with Accessories Case	Capacity Storage	Pack Quantity	Part Number	Images
Large Case Row	Large Case Rows For Impact Driver Bit	48-32-9922	6 Storages/Row	5	48-32-9935	
	Large Case Rows For Insert Driver Bit		6 Storages/Row	5	48-32-9934	
Medium and Small Case Row	Small & Medium Case Rows For Impact Driver Bit	49-32-9920 I 49-32-9921 49-32-9930 I 49-32-9931	8 Storages/Row	5	48-32-9933	
	Small & Medium Case Rows For Insert Driver Bit		8 Storages/Row	5	48-32-9932	

OVER 190 SOCKETS AVAILABLE WITH 5 DIFFERENT DRIVE SIZES

1/4" DRIVE	3/8" DRIVE	1/2" DRIVE	3/4" DRIVE	1" DRIVE

BOLD, LONG LASTING MARKINGS.

FORGED TORQUE STEEL — HIGH IMPACT

NON-SLIP HEX GEOMETRY

DUAL HOLE DESIGN FOR EASIER ATTACHMENT

STAMPED & INK FILLED

SHOCKWAVE IMPACT DUTY™

SHOCKWAVE™ IMPACT DUTY 1/4" DRIVE SOCKETS

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
1/4˝ SHOCKWAVE Impact Duty Socket Standard Set with Rail (12pc) (12) x Deep Sockets: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm,13mm		Deep	1	4932480453	

SHOCKWAVE™ IMPACT DUTY 3/8" DRIVE SOCKETS

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
3/8˝ square	6	Standard	1	49-66-6130	
3/8˝ square	7	Standard	1	49-66-6131	
3/8˝ square	8	Standard	1	49-66-6132	
3/8˝ square	9	Standard	1	49-66-6133	
3/8˝ square	10	Standard	1	49-66-6134	
3/8˝ square	11	Standard	1	49-66-6135	
3/8˝ square	12	Standard	1	49-66-6136	
3/8˝ square	13	Standard	1	49-66-6137	
3/8˝ square	14	Standard	1	49-66-6138	
3/8˝ square	15	Standard	1	49-66-6139	
3/8˝ square	16	Standard	1	49-66-6140	
3/8˝ square	17	Standard	1	49-66-6141	
3/8˝ square	18	Standard	1	49-66-6142	
3/8˝ square	19	Standard	1	49-66-6143	
3/8˝ square	20	Standard	1	49-66-6737	
3/8˝ square	21	Standard	1	49-66-6144	
3/8˝ square	22	Standard	1	49-66-6145	
3/8˝ square	23	Standard	1	49-66-6146	
3/8˝ square	24	Standard	1	49-66-6147	
3/8˝ SHOCKWAVE Impact Duty Socket Standard Set with Rail (9pc) (8) x Standard Sockets: 8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19 mm (1) x Socket Adapter to change 1/4" Hex to 3/8" Square		Standard	9	4932480454	
3/8˝ SHOCKWAVE Impact Duty Socket Standard Set with Rail (14pc) (14) x Deep Sockets: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm		Standard	14	49-66-7007	

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
3/8″ square	6	Deep	1	49-66-6148	
3/8″ square	7	Deep	1	49-66-6149	
3/8″ square	8	Deep	1	49-66-6150	
3/8″ square	9	Deep	1	49-66-6151	
3/8″ square	10	Deep	1	49-66-6152	**3/8" DRIVE**
3/8″ square	11	Deep	1	49-66-6153	
3/8″ square	12	Deep	1	49-66-6154	
3/8″ square	13	Deep	1	49-66-6155	
3/8″ square	14	Deep	1	49-66-6156	
3/8″ square	15	Deep	1	49-66-6157	
3/8″ square	16	Deep	1	49-66-6158	
3/8″ square	17	Deep	1	49-66-6159	
3/8″ square	18	Deep	1	49-66-6160	
3/8″ square	19	Deep	1	49-66-6161	
3/8″ square	20	Deep	1	49-66-6738	
3/8″ square	21	Deep	1	49-66-6162	
3/8″ square	22	Deep	1	49-66-6163	
3/8″ square	23	Deep	1	49-66-6164	
3/8″ square	24	Deep	1	49-66-6165	
3/8″ SHOCKWAVE Impact Duty Socket Deep Set with Rail (9pc) (8) x Deep Sockets: 8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19 mm (1) x Socket Adapter to change 1/4" Hex to 3/8" Square		Deep	9	4932480455	
3/8″ SHOCKWAVE Impact Duty Socket Deep Set with Tray (19pc) (19) x Deep Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm		Deep	19	49-66-6816	 *Trays Fit in Packout Low Profile Compact Organizer (48-22-8436)*
3/8″ SHOCKWAVE Impact Duty Socket Deep PACKOUT Set (19pc) (19) x Deep Sockets: 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm		Deep	19	49-66-6801	

SHOCKWAVE™ IMPACT DUTY 1/2" DRIVE SOCKETS

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
1/2″ square	8	Standard	1	49-66-6240	
1/2″ square	9	Standard	1	49-66-6241	
1/2″ square	10	Standard	1	49-66-6242	
1/2″ square	11	Standard	1	49-66-6243	
1/2″ square	12	Standard	1	49-66-6244	
1/2″ square	13	Standard	1	49-66-6245	
1/2″ square	14	Standard	1	49-66-6246	
1/2″ square	15	Standard	1	49-66-6247	
1/2″ square	16	Standard	1	49-66-6248	
1/2″ square	17	Standard	1	49-66-6249	1/2" DRIVE
1/2″ square	18	Standard	1	49-66-6250	
1/2″ square	19	Standard	1	49-66-6251	
1/2″ square	20	Standard	1	49-66-6252	
1/2″ square	21	Standard	1	49-66-6253	
1/2″ square	22	Standard	1	49-66-6254	
1/2″ square	23	Standard	1	49-66-6255	
1/2″ square	24	Standard	1	49-66-6256	
1/2″ square	25	Standard	1	49-66-6257	
1/2″ square	26	Standard	1	49-66-6258	
1/2″ square	27	Standard	1	49-66-6259	
1/2″ square	28	Standard	1	49-66-6260	
1/2″ square	29	Standard	1	49-66-6261	
1/2″ square	30	Standard	1	49-66-6262	
1/2″ square	31	Standard	1	49-66-6263	
1/2″ square	32	Standard	1	49-66-6264	
1/2″ square	33	Standard	1	49-66-6265	
1/2″ square	34	Standard	1	49-66-6266	
1/2″ square	35	Standard	1	49-66-6267	
1/2″ square	36	Standard	1	49-66-6268	
1/2″ SHOCKWAVE Impact Duty Socket Standard with Hard Case (13pc) (8) x Standard Sockets: 10mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm, 21mm, 22mm, 24mm (1) x Socket Universal Joint 15° ½" Square (1) x Socket Adapter to change 1/4" Hex to ½" Square (1) x Extension 150mm (1/2" Square)		Standard	13	4932480456	
1/2″ SHOCKWAVE Impact Duty Socket Standard with Hard Case (14pc) (14) x Standard Sockets 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm		Standard	14	49-66-7013	

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
1/2″ square	8	Deep	1	49-66-6269	
1/2″ square	9	Deep	1	49-66-6270	
1/2″ square	10	Deep	1	49-66-6271	
1/2″ square	11	Deep	1	49-66-6272	
1/2″ square	12	Deep	1	49-66-6273	
1/2″ square	13	Deep	1	49-66-6274	
1/2″ square	14	Deep	1	49-66-6275	
1/2″ square	15	Deep	1	49-66-6276	
1/2″ square	16	Deep	1	49-66-6277	
1/2″ square	17	Deep	1	49-66-6278	
1/2″ square	18	Deep	1	49-66-6279	
1/2″ square	19	Deep	1	49-66-6280	
1/2″ square	20	Deep	1	49-66-6281	
1/2″ square	21	Deep	1	49-66-6282	
1/2″ square	22	Deep	1	49-66-6283	
1/2″ square	23	Deep	1	49-66-6284	
1/2″ square	24	Deep	1	49-66-6285	
1/2″ square	25	Deep	1	49-66-6286	
1/2″ square	26	Deep	1	49-66-6287	
1/2″ square	27	Deep	1	49-66-6288	
1/2″ square	28	Deep	1	49-66-6289	
1/2″ square	29	Deep	1	49-66-6290	
1/2″ square	30	Deep	1	49-66-6291	
1/2″ square	31	Deep	1	49-66-6292	
1/2″ square	32	Deep	1	49-66-6293	
1/2″ square	33	Deep	1	49-66-6294	
1/2″ square	34	Deep	1	49-66-6295	
1/2″ square	35	Deep	1	49-66-6296	
1/2″ square	36	Deep	1	49-66-6297	
1/2″ SHOCKWAVE Impact Duty Socket Deep Set with Hard Case (10pc) (10) x Deep Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 19mm, 21mm, 22mm, 24mm		Deep	10	4932480457	
1/2″ SHOCKWAVE Impact Duty Socket Deep Set with Hard Case (14pc) (14) x Deep Sockets 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm		Deep	14	49-66-7014	
1/2″ SHOCKWAVE Impact Duty Socket Deep with Hard Case (29pc) (29) x Deep Sockets 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm, 25mm, 26mm, 27mm, 28mm, 29mm, 30mm, 31mm, 32mm, 33mm, 34mm		Deep	29	49-66-7015	
1/2″ SHOCKWAVE Impact Duty Socket Deep Set with Tray (15pc) (14) x Deep Sockets 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 26mm, 27mm (1) x Extension 150mm (1/2" Square)		Deep	15	49-66-6818	*Trays Fit in Packout Compact Organizer (48-22-8435)*
1/2″ SHOCKWAVE Impact Duty Socket Deep PACKOUT Set (15pc) (14) x Deep Sockets: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm (1) x Extension 150mm (1/2" Square)		Deep	15	49-66-6803	

SHOCKWAVE™ IMPACT DUTY 3/4" DRIVE SOCKETS

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
3/4″ square	17	Standard	1	49-66-6356	
3/4″ square	19	Standard	1	49-66-6357	
3/4″ square	20	Standard	1	49-66-6358	
3/4″ square	21	Standard	1	49-66-6359	
3/4″ square	22	Standard	1	49-66-6360	
3/4″ square	23	Standard	1	49-66-6361	
3/4″ square	24	Standard	1	49-66-6362	
3/4″ square	25	Standard	1	49-66-6363	
3/4″ square	26	Standard	1	49-66-6364	
3/4″ square	27	Standard	1	49-66-6365	
3/4″ square	28	Standard	1	49-66-6366	
3/4″ square	29	Standard	1	49-66-6367	
3/4″ square	30	Standard	1	49-66-6368	**3/4" DRIVE**
3/4″ square	31	Standard	1	49-66-6369	
3/4″ square	32	Standard	1	49-66-6370	
3/4″ square	33	Standard	1	49-66-6371	
3/4″ square	34	Standard	1	49-66-6372	
3/4″ square	35	Standard	1	49-66-6373	
3/4″ square	36	Standard	1	49-66-6374	
3/4″ square	37	Standard	1	49-66-6375	
3/4″ square	38	Standard	1	49-66-6376	
3/4″ square	39	Standard	1	49-66-6377	
3/4″ square	40	Standard	1	49-66-6378	
3/4″ square	41	Standard	1	49-66-6379	
3/4″ square	42	Standard	1	49-66-6380	
3/4″ square	43	Standard	1	49-66-6381	
3/4″ square	44	Standard	1	49-66-6382	
3/4″ square	45	Standard	1	49-66-6383	
3/4″ square	46	Standard	1	49-66-6384	
3/4″ square	47	Standard	1	49-66-6385	
3/4″ square	48	Standard	1	49-66-6386	
3/4″ square	49	Standard	1	49-66-6387	
3/4″ square	50	Standard	1	49-66-6388	
3/4″ square	60	Standard	1	49-66-6392	
3/4″ SHOCKWAVE Impact Duty Socket Standard Set with Hard Case (8pc) (8) x Standard Sockets: 26mm,27mm,29mm,30mm, 32mm,35mm,36mm,38mm		Standard	8	49-66-7019	

Drive Size (inch)	Output Size (mm)	Total Length (mm)	Socket Type	Pack Quantity	Part Number	Image
3/4″ square	17	90	Deep	1	49-66-6393	
3/4″ square	19	90	Deep	1	49-66-6394	
3/4″ square	20	90	Deep	1	49-66-6395	
3/4″ square	21	90	Deep	1	49-66-6396	
3/4″ square	22	90	Deep	1	49-66-6397	
3/4″ square	23	90	Deep	1	49-66-6398	
3/4″ square	24	90	Deep	1	49-66-6399	
3/4″ square	25	90	Deep	1	49-66-6400	
3/4″ square	26	90	Deep	1	49-66-6401	
3/4″ square	27	90	Deep	1	49-66-6402	
3/4″ square	28	90	Deep	1	49-66-6403	
3/4″ square	29	90	Deep	1	49-66-6404	3/4" DRIVE
3/4″ square	30	90	Deep	1	49-66-6405	
3/4″ square	31	90	Deep	1	49-66-6406	
3/4″ square	32	90	Deep	1	49-66-6407	
3/4″ square	33	90	Deep	1	49-66-6408	
3/4″ square	34	90	Deep	1	49-66-6409	
3/4″ square	35	90	Deep	1	49-66-6410	
3/4″ square	36	90	Deep	1	49-66-6411	
3/4″ square	37	90	Deep	1	49-66-6412	
3/4″ square	38	90	Deep	1	49-66-6413	
3/4″ square	39	90	Deep	1	49-66-6414	
3/4″ square	40	90	Deep	1	49-66-6415	
3/4″ square	41	90	Deep	1	49-66-6416	
3/4″ square	42	90	Deep	1	49-66-6417	
3/4″ square	43	90	Deep	1	49-66-6418	
3/4″ square	44	90	Deep	1	49-66-6419	
3/4″ square	45	90	Deep	1	49-66-6420	
3/4″ square	46	90	Deep	1	49-66-6421	
3/4″ square	47	90	Deep	1	49-66-6422	
3/4″ square	48	90	Deep	1	49-66-6423	
3/4″ square	49	90	Deep	1	49-66-6424	
3/4″ square	50	90	Deep	1	49-66-6425	
3/4″ SHOCKWAVE Impact Duty Socket Deep Set with Hard Case (8pc) (8) x Deep Sockets: 26mm,27mm,29mm,30mm,32mm,35mm,36mm,38mm			Deep	8	49-66-7020	

SHOCKWAVE™ IMPACT DUTY 1" DRIVE SOCKETS

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
1″ square	27	Standard	1	49-66-6592	
1″ square	28	Standard	1	49-66-6593	
1″ square	29	Standard	1	49-66-6594	
1″ square	30	Standard	1	49-66-6595	
1″ square	31	Standard	1	49-66-6596	
1″ square	32	Standard	1	49-66-6597	
1″ square	33	Standard	1	49-66-6598	
1″ square	34	Standard	1	49-66-6599	
1″ square	35	Standard	1	49-66-6600	
1″ square	36	Standard	1	49-66-6601	
1″ square	38	Standard	1	49-66-6602	
1″ square	40	Standard	1	49-66-6603	
1″ square	41	Standard	1	49-66-6604	
1″ square	42	Standard	1	49-66-6605	
1″ square	46	Standard	1	49-66-6606	
1″ square	50	Standard	1	49-66-6607	
1″ square	52	Standard	1	49-66-6608	
1″ square	54	Standard	1	49-66-6609	
1″ square	55	Standard	1	49-66-6610	
1″ square	56	Standard	1	49-66-6611	
1″ square	58	Standard	1	49-66-6612	
1″ square	60	Standard	1	49-66-6613	
1″ square	65	Standard	1	49-66-6614	
1″ square	67	Standard	1	49-66-6615	
1″ square	70	Standard	1	49-66-6616	

1" DRIVE

Drive Size (inch)	Output Size (mm)	Socket Type	Pack Quantity	Part Number	Image
1″ square	27	Deep	1	4932480424	
1″ square	30	Deep	1	4932480425	
1″ square	32	Deep	1	4932480426	
1″ square	33	Deep	1	4932480427	
1″ square	34	Deep	1	4932480428	
1″ square	36	Deep	1	4932480429	
1″ square	38	Deep	1	4932480430	
1″ square	39	Deep	1	4932480431	
1″ square	41	Deep	1	4932480432	
1″ square	46	Deep	1	4932480434	
1″ square	50	Deep	1	4932480435	
1″ square	55	Deep	1	4932480436	
1″ square	60	Deep	1	4932480437	
1″ square	65	Deep	1	4932480438	

1" DRIVE

SHOCKWAVE™ IMPACT DUTY 1/2" DRIVE LUG NUT WHEEL SOCKETS

OVERVIEW

Shockwave Impact Duty™ Lug Nut Wheel Sockets mainly used in Automotive and specially designed to be used for tire installation and removal and to protects rims during tire changes with the ARMOR-GUARD™ Sleeve is made with premium, durable plastic. The sleeves are color-corded to ensure easier socket selection.

Drive Size (inch)	Output Size (mm)	Color-Corded Sleeve	Socket Type	Pack Quantity	Part Number	Images
1/2″ square	17	Blue	Deep	1	4932493371A	
1/2″ square	19	Yellow	Deep	1	4932493372A	
1/2″ square	21	Red	Deep	1	4932493373A	
1/2″ square	22	Grey	Deep	1	4932493374A	
1/2" SHOCKWAVE Impact Duty Socket Lug Nut Wheel Socket Deep Set with Hard Case (3pc) (3) x Deep Sockets: 17mm, 19mm, 21mm			Deep	3	49-66-7834	

SHOCKWAVE™ IMPACT DUTY SOCKETS - EXTENSIONS

Drive Size (inch)	Total Length A (mm)	Application	Pack Quantity	Part Number
3/8" square	150	Extensions are used with impact sockets and impact power wrenches to increase the length of your impact socket for harding to reach bolts.	1	4932480297
3/8"square	250		1	4932480298
1/2" square	150		1	4932480352
1/2" square	250		1	4932480353
3/4" square	175		1	4932480403
3/4" square	250		1	4932480404
1" square	175		1	4932480440
1" square	250		1	4932480297

SHOCKWAVE™ IMPACT DUTY SOCKETS - REDUCERS

Drive Size (inch)	Application	Pack Quantity	Part Number
3/8" square to 1/4" square	Designed for with Impact Wrench Utilize smaller size impact sockets when you don't have the right drive size impact wrench.	1	49-66-6722
1/2" square to 3/8" square		1	49-66-6725
3/4" square to 1/2"square		1	49-66-6728
1" square to 3/4"square		1	49-66-6731

SHOCKWAVE™ IMPACT DUTY UNIVERSAL JOINTS

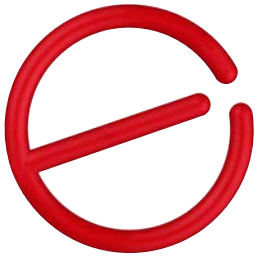
Drive Size (inch)	Angle Capacity	Application	Pack Quantity	Part Number
3/8" square	15°	Feature a 15-degree swivel for access in hard to reach places and impact durability in high torque applications.	1	49-66-6724
1/2" square	15°		1	49-66-6727
1/4" square	15°		1	49-66-6721
3/4" square	15°		1	49-66-6730
1" square	15°		1	49-66-6733

SHOCKWAVE™ IMPACT DUTY QUICK CHANGE ADAPTER

Drive Size (inch)	Application	Pack Quantity	Part Number
3/8" square to 1/4" hex	Designed for with Impact Wrench Transforms impact socket wrenches into impact drivers with square hex bits for every application.	1	48-03-4405
1/2" square to 1/4" hex		1	48-03-4410

SHOCKWAVE™ IMPACT DUTY SOCKETS – RETAINING RINGS

Drive Size (inch)	Output Size (mm)	Type of Accessory	Application	Pack Quantity	Part Number
3/4"	From 17mm to 60mm	Retaining Ring	The retaining ring is used with sockets to keep the impact socket on the impact wrench without falling off	1	49-66-6744
1"	From 27mm to 42mm	Retaining Ring		1	49-66-6745
1"	From 46mm to 70mm	Retaining Ring		1	49-66-6746

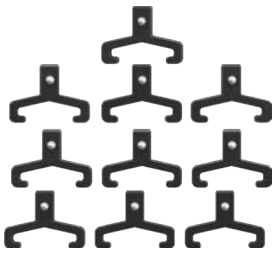


SHOCKWAVE™ IMPACT DUTY – TRAY

Drive Size (inch)	Type of Accessory	Application	Pack Quantity	Part Number
3/8" square	Tray	Optimized for use with PACKOUT Organizers (48-22-8436) and (48-22-8431) and fits the SHOCKWAVE Impact Duty Deep Sockets	1	49-66-6831
1/2" square	Tray		1	49-66-6833

SHOCKWAVE™ IMPACT DUTY – RAIL CLIPS

Drive Size (inch)	Type of Accessory	Application	Pack Quantity	Part Number
1/4" square	Rail Clip	For rail customizations based on your socket storage needs	1	49-66-6739
3/8" square	Rail Clip		1	49-66-6740
1/2" square	Rail Clip		1	49-66-6741



WOOD CUTTING

HAND-HELD CIRCULAR SAW BLADES

OVERVIEW

MILWAUKEE™ Circular Saw Blades provide longer life, increased accuracy and cooler cuts in wood cutting applications. The blades are designed utilizing application-specific Cobalt Infused Tungsten Carbide to extend cutting life and maintain tip sharpness. MILWAUKEE™ Circular Saw Blades are optimized for cordless and corded performance.

FEATURES 1

- Cobalt Infused Tungsten Carbide: Extends cutting life and maintains tip sharpness
- Laser Cut Vibration Slots: Increase blade accuracy and prevent wobble and warping
- Anti-Friction Coating: Provides cooler cuts

FEATURES 2

- Cobalt Infused Tungsten Carbide: Extends cutting life and maintains tip sharpness
- Diamond Cooling Vents Cutting to Reduce Blade Wobble & Faster Chip Ejection
- Thin Kerf Design for Faster Cuts To Preserve Battery Life and Feed Into Material Faster For Efficient Cutting Experience.
- Thick Kerf Design for Straighter Cuts and Ultimate Stability. Optimized For Most Powerful Cordless Tools

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Blade Design	Application	Part Number	Pack Quantity
190MM	30	24T	1.6	15°	Vibration Slots	Framing	4932471300	1
190MM	30	36T	1.6	18°	Vibration Slots	Framing	4932471301	1
190MM	30	48T	2.1	10°	Vibration Slots	Framing	4932471380	1
190MM	25.4 (with 20mm reduction ring)	24T	1.6	15°	Diamond Cooling Vents	Framing	48-40-0720ANR	1
190MM	25.4 (with 20mm reduction ring)	24T	1.8	15°	Diamond Cooling Vents	Framing	48-40-0740AKR	1
190MM	25.4 (with 20mm reduction ring)	48T	2.1	15°	Vibration Slots	Fine Finish	4932192541	1
190MM	19	24T	1.6	15°	Diamond Cooling Vents	Framing	48-40-0720AN	1
190MM	19	24T	1.8	15°	Diamond Cooling Vents	Framing	48-40-0740AK	1
190MM	19	48T	2.1	15°	Vibration Slots	Fine Finish	4932191941	1
140MM	20	18T	1.6	18°	Vibration Slots	Framing	4932471310A	1
165MM	20	24T	1.6	15°	Vibration Slots	Framing	4932471931A	1
165MM	20	40T	2.1	18°	Vibration Slots	Fine Finish	4932471932A	1
165MM	15.87	24T	1.6	18°	Vibration Slots	Framing	4932471311	1
165MM	15.87	24T	1.6	18°	Vibration Slots	Framing	48-40-0620	1
165MM	15.87	40T	1.6	18°	Vibration Slots	Framing	4932471312	1

GENERAL PURPOSE

FIBER CEMENT

FINISH & FINE FINISH

LAMINATE

COMBINATION

ULTRA FINE FINISH

TRACK SAW BLADES

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Blade Design	Application	Part Number	Pack Quantity
165MM	20	24T	1.6	18°	Vibration Slots	General Purpose	48-40-0624	1
165MM	20	40T	1.6	18°	Vibration Slots	Finish	48-40-0625	1
165MM	20	48T	1.6	18°	Vibration Slots	Fine Finish	48-40-0627	1
165MM	20	52T	2.2	18°	Vibration Slots	Laminate	48-40-0643	1
165MM	20	4T	2.2	18°	Vibration Slots	Fiber Cement	48-40-0670	1

MITRE SAW BLADES

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Blade Design	Application	Part Number	Pack Quantity
305MM	25.4	44T	2.99	15°	Vibration Slots	General Purpose	48-40-1220	1
305MM	25.4	60T	2.99	12°	Vibration Slots	Combination	48-40-1222	1
305MM	25.4	80T	2.99	12°	Vibration Slots	Fine Finish	48-40-1224	1
305MM	25.4	100T	2.99	12°	Vibration Slots	Ultra Fine Finish	48-40-1228	1

TABLE SAW BLADES

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Blade Design	Application	Part Number	Pack Quantity
210MM	15.87	24T	2.1	18°	Vibration Slots	Framing	48-40-0820	1
210MM	15.87	40T	2.1	15°	Vibration Slots	Fine Finish	48-40-0822	1

METAL CUTTING

HAND-HELD CIRCULAR SAW BLADES

OVERVIEW

MILWAUKEE™ Hand-held Circular Saw Blades were specifically designed to exceed contractors expectations for blade life, cut quality and speed in the most demanding metal cutting applications – without a lubricant. A hand-tensioned, hardened alloy steel body minimizes vibration to extend blade life and delivers the highest quality cuts available. Carbide teeth shear through metal leaving burr-free, cool-to-touch cuts.

FEATURES

- Dry: No lubricant required, saving time and money with less mess
- Cool: No extreme heat buildup preserves blade life and allows handling the work piece immediately
- Clean: No burrs eliminates secondary operations, saving time and money

CARBIDE TEETH

METAL & STAINLESS CUTTING

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Application	Part Number	Pack Quantity
135MM	20	30T	1.6	0°	Metal & Stainless	48-40-4070	1
203MM	15.87	42T	1.8	0°	Metal & Stainless	48-40-4515	1
203MM	15.87	50T	1.8	0°	Metal & Stainless	48-40-4520	1

METAL CUTTING

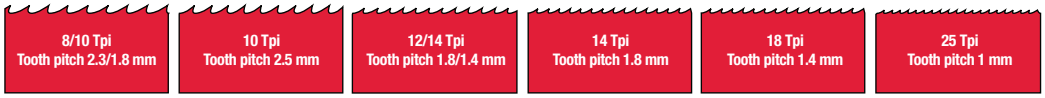
Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Application	Part Number	Pack Quantity
150MM	20	34T	1.6	2°	Metal	48-40-4215	1

ALUMINUM CUTTING

Diameter (mm)	Arbor Size (mm)	No. of Teeth	Kerf Thickness (mm)	Hook Angle	Application	Part Number	Pack Quantity
203MM	15.87	58T	2.4	-6°	Aluminum	48-40-4345	1
190MM	19	54T	2.4	-5°	Aluminum	4932191951	1
135MM	20	50T	1.6	-5°	Aluminum	48-40-4075	1
165MM	20	52T	2.2	-5°	Aluminum	4932479087A	1

BAND SAW BLADES

Choosing the right tooth geometry



FOR CUTTING STOCK 5 to 13 mm	FOR CUTTING STOCK 8 to 13 mm	FOR CUTTING STOCK 4 to 8 mm	FOR CUTTING STOCK 5 to 8 mm	FOR CUTTING STOCK 4 to 5 mm	FOR CUTTING STOCK < 4 mm

EXTREME METAL BAND SAW BLADES

OVERVIEW

Our Extreme Metal Band Saw Blades deliver exactly what you need for daily job site use – More Cuts and Less Blade Changes. An aggressive variable pitched tooth design gives you the versatility to cut more metal thickness with one band saw blade. The portable band saw blade's versatility pairs with 3X longer life in stainless steel. Each blade gives you more cuts, resulting in fewer blade changes. The band saw blade also gives fast, clean cuts in common materials, delivering the performance you are looking for in a single blade.

FEATURES

- More cuts. Less blade changes.
- 3X Life in Stainless Steel and other extreme metals.
- 2X Faster in Thin Metals
- 25% More Cuts Per Charge
- Variable TPI for Versatility in All Metal Thickness
- Optimized Tooth Design for clean cuts
- Made in the USA with global materials
- Aggressive tooth design for 2X Faster cuts in Thick Metals
- Fastest cutting blade in thick, hard metals.
- Cuts More Materials
- One blade for all metal thicknesses
- Variable TPI, Cuts More Materials

EXTREME METAL BAND SAW BLADES

	44-7/8"			35-3/8"			30-9/16"			27"
TPI	3 Pack	25 Pack	100 Pack	3 Pack	25 Pack	100 Pack	3 Pack	25 Pack	100 Pack	3 Pack
8/10	48-39-0610	48-39-0605	48-39-0603	48-39-0609	48-39-0606	48-39-0653	48-39-0630	48-39-0635	48-39-0637	–
12/14	48-39-0611	48-39-0615	48-39-0613	48-39-0619	48-39-0616	48-39-0663	48-39-0631	48-39-0636	48-39-0639	48-39-0711

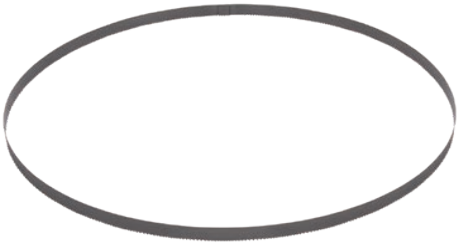
STANDARD BAND SAW BLADES

OVERVIEW

Our Band Saw Blades are designed to maximize the performance of any portable band saw. The portable bandsaw blades give you long tooth life and exceptional durability in metal-cutting applications, including strut, conduit, angle iron, copper tube, threaded rod, and pipe. Tooth form, pitch, and set have been designed to provide you with straight, accurate cuts across a broad range of materials. Matrix II high-speed steel extends the life of the bandsaw blade in hard materials. This MILWAUKEE™ Bandsaw Blade pack contains 100 blades for portable compact band saws.

FEATURES

- High Speed Steel Teeth For Maximum Durability
- Alloy Backing Steel for Extended Blade Life
- Precision Formed Teeth for Fast, Clean Cuts



STANDARD BAND SAW BLADES

	44-7/8"			35-3/8"			27"
TPI	1 Pack	3 Pack	100 Pack	1 Pack	3 Pack	100 Pack	3 Pack
10	48-39-0500	48-39-0501	48-39-0540	48-39-0508	48-39-0509	48-39-0546	–
10/14	48-39-0550	48-39-0551	48-39-0541	–	–	–	–
14	48-39-0510	48-39-0511	48-39-0542	48-39-0518	48-39-0519	48-39-0547	–
14/18	48-39-0560	48-39-0561	48-39-0543	–	–	–	–
18	48-39-0520	48-39-0521	48-39-0544	48-39-0528	48-39-0529	48-39-0548	48-39-0572
24	48-39-0530	48-39-0531	48-39-0545	48-39-0538	48-39-0539	48-39-0549	–

Milwaukee™
SAWZALL™

NITRUS CARBIDE™

FASTEST CUTTING. LONGEST LIFE.

CARBIDE TEETH 50X LIFE**

CUT LONGER. CUT MORE. CUT FASTER.

Milwaukee™ SAWZALL™

AX™

BEST IN CLASS WOOD CUTTING

AX™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR PRUNING

AX™ BI-METAL SAWZALL™ BLADES FOR WOOD WITH NAILS

AX™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR WOOD WITH NAILS

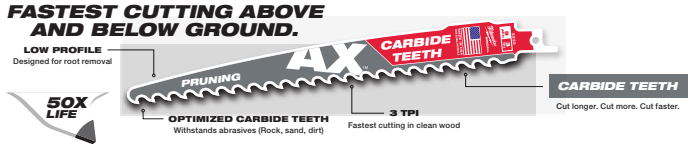
AX™ w/ NITRUS CARBIDE SAWZALL™ BLADES FOR WOOD WITH NAILS

PRUNING | **WOOD WITH NAILS**

AX™
BEST IN CLASS WOOD CUTTING

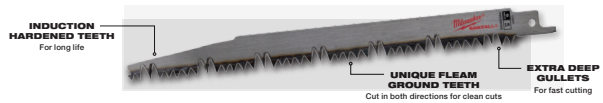
AX™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR PRUNING

FASTEST CUTTING ABOVE AND BELOW GROUND.



TPI	Length	Material	1 Pack	3 Pack
3	150MM		48-47-5231	48-47-5331
3	230MM		48-47-5232	48-47-5332
3	300MM		48-47-5233	48-47-5333

STANDARD PRUNING SAWZALL™ BLADES



TPI	Length	Material	1 Pack	5 Pack
5	230MM		48-47-1304	48-47-1301
5	300MM		48-47-1305	48-47-1303

AX™ WITH NITRUS CARBIDE SAWZALL™ BLADES

2X LIFE VS CARBIDE

TPI	Length	Material	1 Pack	3 Pack	5 Pack
5	150MM		48-47-7251	48-47-7351	48-47-7551
5	230MM		48-47-7252	48-47-7352	48-47-7552
5	300MM		48-47-7253	48-47-7353	48-47-7553

AX™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR NAIL EMBEDDED WOOD

1,000 MORE CUTS.

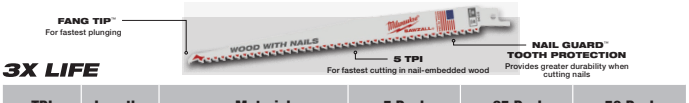
TPI	Length	Material	1 Pack	3 Pack	5 Pack
5	150MM		48-47-5221	48-47-5321	48-47-5521
5	230MM		48-47-5226	48-47-5326	48-47-5526
5	300MM		48-47-5227	48-47-5327	48-47-5527

AX™ BI-METAL SAWZALL™ BLADES

5X LIFE

TPI	Length	Material	5 Pack	25 Pack
5	150MM		48-47-5021	48-00-8021
5	230MM		48-47-5026	48-00-8026
5	300MM		48-47-5027	48-00-8027

STANDARD WOOD CUTTING SAWZALL™ BLADES



3X LIFE

TPI	Length	Material	5 Pack	25 Pack	50 Pack
5	150MM		48-47-5035	–	48-01-6035
5	230MM		48-47-5036	48-00-8036	48-01-6036
5	300MM		48-47-5037	–	48-01-6037

Milwaukee™ SAWZALL™

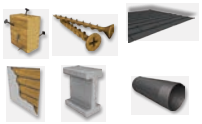
WRECKER™

TACKLE ANYTHING

WRECKER™ BI-METAL SAWZALL™ BLADES FOR MULTI-MATERIAL

WRECKER™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR MULTI-MATERIAL

WRECKER™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES FOR MULTI-MATERIAL



MULTI-MATERIAL

WRECKER™

TACKLE ANYTHING

WRECKER™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES

UNMATCHED LIFE.
SUPERIOR CUTTING VERSATILITY.

TPI	Length	Material	1 Pack	5 Pack
6	150MM		48-47-5271	48-47-5571
6	230MM		48-47-5272	48-47-5572
6	300MM		48-47-5273	48-47-5573

WRECKER™ w/ CARBIDE TEETH SAWZALL™ BLADES

THE MOST VERSATILE CARBIDE BLADE.

TPI	Length	Material	1 Pack	3 Pack	5 Pack
6	150MM		48-47-5241	48-47-5341	48-47-5541
6	230MM		48-47-5242	48-47-5342	48-47-5542
6	300MM		48-47-5243	48-47-5343	48-47-5543

WRECKER™ BI-METAL SAWZALL™ BLADES

5X LIFE

TPI	Length	Material	5 Pack	25 Pack
7/11	150MM		48-47-5701	48-00-8701
7/11	230MM		48-47-5706	48-00-8706
7/11	300MM		48-47-5711	48-00-8711

STANDARD MULTI-MATERIAL SAWZALL™ BLADES

3X LIFE

TPI	Length	Material	5 Pack	25 Pack	50 Pack
8/12	150MM		48-47-5091	–	48-01-6091
8/12	200MM		48-47-5093	48-00-8093	48-01-6093
8/12	300MM		48-47-5094	–	48-01-6094
10/14	200MM		48-47-5193	–	–
10/14	300MM		48-47-5194	–	–

Milwaukee™ SAWZALL™

TORCH™

FOR THE TOUGHEST METALS

TORCH™ BI-METAL SAWZALL™ BLADES FOR THIN METAL

TORCH™ BI-METAL SAWZALL™ BLADES FOR MEDIUM METAL

TORCH™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR MEDIUM METAL

TORCH™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES FOR MEDIUM METAL

TORCH™ BI-METAL SAWZALL™ BLADES FOR THICK METAL

TORCH™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR THICK METAL

TORCH™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES FOR CAST IRON

THIN METAL | MEDIUM METAL | THICK METAL

TORCH™

FOR MEDIUM & THIN METALS

TORCH™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES FOR MEDIUM METALS

UNMATCHED LIFE
IN CONDUIT & STRUT.

TPI	Length	Material	1 Pack	3 Pack	5 Pack
10	150MM		48-47-6251	48-47-6351	48-47-6551
10	230MM		48-47-6252	48-47-6352	48-47-6552
10	300MM		48-47-6253	48-47-6353	48-47-6553

TORCH™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR MEDIUM METALS

LONG LIFE, SMOOTH CUTS
IN CONDUIT & STRUT.

TPI	Length	Material	1 Pack	3 Pack	5 Pack
10	150MM		48-47-5251	48-47-5351	48-47-5551
10	230MM		48-47-5252	48-47-5352	48-47-5552
10	300MM		48-47-5253	48-47-5353	48-47-5553

TORCH™ BI-METAL SAWZALL™ BLADES

5X LIFE

TPI	Length	Material	5 Pack	25 Pack
14	150MM		48-47-5782	48-00-8782
14	230MM		48-47-5787	48-00-8787
14	300MM		48-47-5794	–
18	150MM		48-47-5784	48-00-8784
18	230MM		48-47-5788	48-00-8788
18	300MM		48-47-5789	48-00-8789
24	150MM		48-47-5786	–
24	230MM		48-47-5790	–
24	300MM		48-47-5791	–

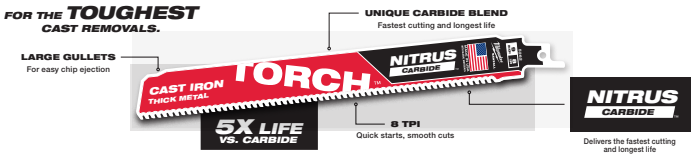
STANDARD METAL CUTTING SAWZALL™ BLADES

3X LIFE

TPI	Length	Material	5 Pack	25 Pack	50 Pack
14	100MM		48-47-5181	–	–
14	150MM		48-47-5182	48-00-8182	48-01-6182
14	230MM		48-47-5187	–	48-01-6187
18	100MM		48-47-5183	–	–
18	150MM		48-47-5184	48-00-8184	48-01-6184
18	230MM		48-47-5188	–	48-01-6188
18	300MM		48-47-5189	–	48-01-6189
24	100MM		48-47-5185	–	–
24	150MM		48-47-5186	48-00-8186	48-01-6186

TORCH™
FOR THICK METALS

TORCH™ w/ NITRUS CARBIDE™ SAWZALL™ BLADES FOR CAST IRON



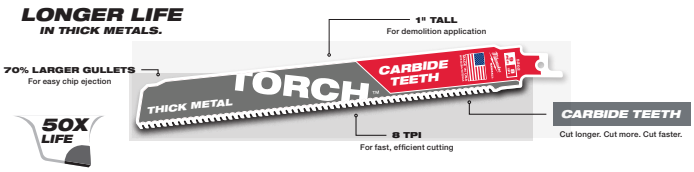
TPI	Length	Material	1 Pack	3 Pack	5 Pack
8	150MM		48-47-5261	48-47-5361	48-47-5561
8	230MM		48-47-5262	48-47-5362	48-47-5562
8	300MM		48-47-5263	48-47-5363	48-47-5563

TORCH™ BI-METAL SAWZALL™ BLADES

5X LIFE

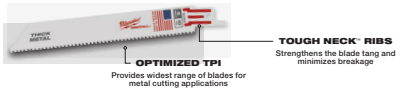
TPI	Length	Material	5 Pack	25 Pack
10	150MM		48-47-5712	48-00-8712
10	230MM		48-47-5713	48-00-8713
10	300MM		48-47-5714	–

TORCH™ w/ CARBIDE TEETH SAWZALL™ BLADES FOR THICK METALS



TPI	Length	Material	1 Pack	3 Pack	5 Pack
8	150MM		48-47-5201	48-47-5301	48-47-5501
8	230MM		48-47-5202	48-47-5302	48-47-5502
8	300MM		48-47-5203	48-47-5303	48-47-5503

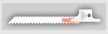
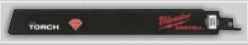
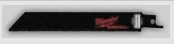
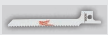
STANDARD METAL CUTTING SAWZALL™ BLADES



3X LIFE

TPI	Length	Material	5 Pack
10	100MM		48-47-5090
10	150MM		48-47-5092

SPECIALTY SAWZALL™ BLADES

Product		1 Pack	3 Pack	5 Pack
	150MM 6 TPI Clean Wood SAWZALL™ Blade	–	–	48-47-5015
	230MM 6 TPI Clean Wood SAWZALL™ Blade	–	–	48-47-5016
	300MM 6 TPI Clean Wood SAWZALL™ Blade	–	–	48-47-5017
	92MM 10 TPI Plaster SAWZALL™ Blade	–	–	48-00-5161
	92MM 14 TPI Metal Scroll SAWZALL™ Blade	–	–	48-47-5162
	92MM 18 TPI Metal Scroll SAWZALL™ Blade	–	–	48-47-5163
	125MM 6TPI Plaster SAWZALL™ Blade	–	–	48-47-5052
	150MM 4/6 TPI Wood Scroll SAWZALL™ Blade	–	–	48-47-5041
	150MM Diamond Grit TORCH™ SAWZALL™ Blade	48-47-1440	–	–
	230MM Diamond Grit TORCH™ SAWZALL™ Blade	48-47-1450	–	–
	150MM Carbide Grit SAWZALL™ Blade	48-00-1421	48-47-1420	–
	230MM Carbide Grit SAWZALL™ Blade	48-00-1431	48-47-1430	–
	Drywall Access SAWZALL™ Blade	48-47-1640	–	–
	Ductwork SAWZALL™ Blade	–	–	48-47-1630
	Flush Cut SAWZALL™ Blade	48-47-1600	–	–
	Rough-In SAWZALL™ Blade	–	–	48-47-1610
	100MM 6TPI Hackzall Blade - Wood	–	–	48-47-5460
	90MM 10TPI Hackzall Blade - Wood Scroll	–	–	48-47-5310
	90MM 24TPI Hackzall Blade - Metal Scroll	–	–	48-47-5324
	100MM 10TPI Hackzall Blade - Multi Material	–	–	48-47-5410
	Grout Removal Tool	49-00-5450	–	–
	125MM Scraper Blade	49-00-5455	–	–
	75MM Scraper Blade	49-00-5456	–	–
	40MM Scraper Blade	49-00-5463	–	–

OSCILLATING MULTI-TOOL BLADES & ACCESSORIES

Overview

MILWAUKEE™ Oscillating Multi-Tool Accessories provide a complete solution for cutting, scraping, sanding, and grinding across a wide range of materials and applications. Equipped with an OPEN-LOK™ Universal blade anchor for quick blade changes. Made with high quality materials and advanced manufacturing processes to deliver professional grade performance and market leading innovation.

EXTREME METAL AND MATERIAL

NITRUS CARBIDE OPEN-LOK™ MULTI-TOOL BLADE

NITRUS CARBIDE

49-25-1571

49-25-1561

Description	Width (mm)	Blade Length (mm)	Pack Quantity	Part Number	Materials
Nitrus Carbide Extreme Materials 35MM OPEN-LOK Multi-tool Blade	39	51	1	49-25-1571	
Nitrus Carbide Extreme Materials 35MM OPEN-LOK Multi-tool Blade	39	51	3	49-25-1573	
Nitrus Carbide Extreme Materials 35MM OPEN-LOK Multi-tool Blade	39	51	5	49-25-1575	
Nitrus Carbide Extreme Metal 35MM OPEN-LOK Multi-tool Blade	39	51	1	49-25-1561	
Nitrus Carbide Extreme Metal 35MM OPEN-LOK Multi-tool Blade	39	51	3	49-25-1563	
Nitrus Carbide Extreme Metal 35MM OPEN-LOK Multi-tool Blade	39	51	5	49-25-1565	

EXTREME METAL AND MATERIAL

TITANIUM ENHANCED CARBIDE TEETH BLADES

CARBIDE TEETH

- TITANIUM ENHANCED™ Carbide Teeth for ultimate blade longevity
- Extreme Metal Blade: Cuts through screws, bolts, hard metal, cement board, plaster, and more
- Extreme Materials Blade: Fast cuts through wood with screws, nails, cement board, plaster, copper, and more
- Universal Fit, OPEN-LOK™ anchor raised for easy flush cuts and quick blade changes

49-25-1521

Description	Width (mm)	Length (mm)	Pack Quantity	Part Number	Materials
TITANIUM ENHANCED Carbide Teeth Extreme Metal Blade	35	38	1	49-25-1501	
TITANIUM ENHANCED Carbide Teeth Extreme Materials Blade	35	38	1	49-25-1521	

METAL AND MULTI-MATERIAL

TITANIUM ENHANCED BI-METAL BLADES
2X FASTER CUTTING

- TITANIUM ENHANCED™ Carbide Teeth for ultimate blade longevity
- Cut-away blade body shape for easier plunge cuts
- Universal Fit, OPEN-LOK™ anchor raised for easy flush cuts and quick blade changes

BI-METAL

49-25-1261

Description	Width (mm)	Length (mm)	Pack Quantity	Part Number	Materials
TITANIUM ENHANCED Bi-Metal Metal Blade	10	42	1	49-25-1201	
TITANIUM ENHANCED Bi-Metal Multi-Material Deep Plunge Blade	32	67	1	49-25-1203	
TITANIUM ENHANCED Bi-Metal Multi-Material Blade	35	51	1	49-25-1231	
TITANIUM ENHANCED Bi-Metal Multi-Material Blade	64	42	1	49-25-1241	
TITANIUM ENHANCED Bi-Metal Multi-Material Segmented Blade	89	19	1	49-25-1271	
TITANIUM ENHANCED Bi-Metal Metal Blade	29	55	1	49-25-1251	
TITANIUM ENHANCED Bi-Metal Metal Blade	44	55	1	49-25-1261	

HARDWOOD

JAPANESE TOOTH HARDWOOD BLADES
2X FASTER CUTTING

- Precision ground Japanese teeth for a smooth finish and highest speed cuts
- Pro-Curve cutting edge for greater control and clean cuts
- Universal Fit, OPEN-LOK™ anchor raised for easy flush cuts and quick blade changes

49-25-1131

Description	Width (mm)	Length (mm)	Pack Quantity	Part Number	Materials
High Carbon Steel Japanese Tooth Hardwood Blade	35	51	1	49-25-1131	
High Carbon Steel Japanese Tooth Hardwood Blade	64	42	1	49-25-1151	

WOOD

HIGH CARBON STEEL WOOD BLADES
FAST WOOD CUTTING

- Optimized teeth for fast cuts in wood
- Cut-away blade body shape for easier plunge cuts
- Universal Fit, OPEN-LOK™ anchor raised for easy flush cuts and quick blade changes

49-25-1101

Description	Width (mm)	Length (mm)	Pack Quantity	Part Number	Materials
High Carbon Steel Wood Blade	35	51	1	49-25-1101	
High Carbon Steel Wood Blade	64	42	1	49-25-1111	
High Carbon Steel Wood Segment Blade	89	19	1	49-25-1121	

SPECIALTY

- Universal OPEN-LOK™ anchor for quick blade changes
- Laser etching to easily identify blade application
- Specialty cutting, scraping, grinding, and sanding accessories

49-25-2180

49-25-2241

49-25-2281

49-25-2222

Description	Pack Quantity	Part Number	Materials
5-in-1 Drywall Blade	1	49-25-2281	
2-in-1 Carbide Grit Grout & Mortar Blade	1	49-25-2261	
Boot Shaped Diamond Grit Grout Blade	1	49-25-2271	
3-in-1 Multi-Cutter Blade	1	49-25-2221	
2 Pc Flexible & Rigid Scraper Blade Combo Pack	2	49-25-2202	
Window Sealant Cutters	5	49-25-2222	
Straight Sealant Cutters	5	49-25-2231	

Description	Pack Quantity	Part Number	Materials
Tapered Sealant Cutters	5	49-25-2241	
Triangle Sanding Pad	1	49-25-2001	
10 Pc Triangle Sanding Pad & Sandpaper	10	49-25-2009	
60 Grit Sandpaper	6	49-25-2060	
80 Grit Sandpaper	6	49-25-2080	
120 Grit Sandpaper	6	49-25-2120	
180 Grit Sandpaper	6	49-25-2180	

BLADE SETS & VARIETY PACKS

Description	Includes	Part Number	Product
TITANIUM ENHANCED All Purpose Pro Blade Set	(1) 1-3/8" TITANIUM ENHANCED Carbide Metal Blade (1) 1-3/8" TITANIUM ENHANCED Bi-Metal Multi-Material Blade (1) 1-3/8" High Carbon Steel Japanese Tooth Hardwood Blade	49-10-9001	
TITANIUM ENHANCED Multi-Material Variety Pack	(1) 1-3/8" TITANIUM ENHANCED Carbide Multi-Material Blade (1) 1-3/8" TITANIUM ENHANCED Bi-Metal Multi-Material Blade (1) 2-1/2" TITANIUM ENHANCED Bi-Metal Multi-Material Blade	49-10-9005	
TITANIUM ENHANCED Metal Variety Pack	(1) 1-3/8" TITANIUM ENHANCED Carbide Metal Blade (1) 1-1/8" TITANIUM ENHANCED Bi-Metal Metal Blade (1) 1-3/4" TITANIUM ENHANCED Bi-Metal Metal Blade	49-10-9006	
High Carbon Steel Wood Variety Pack	(1) 1-3/8" High Carbon Steel Wood Blade (1) 2-1/2" High Carbon Steel Wood Blade (1) 3-1/2" Segmented High Carbon Steel Wood Blade	49-10-9004	
Multi-Tool Blade Kit w/ Case	(2) 1-3/8" TITANIUM ENHANCED Bi-Metal Multi-Material Blades (1) 2-1/2" TITANIUM ENHANCED Bi-Metal Multi-Material Blade (2) 1-3/8" High Carbon Steel Japanese Tooth Hardwood Blades (1) 1-3/8" High Carbon Steel Wood Blade (1) Hard Case Included	49-10-9112	
Multi-Tool Blade Kit w/ Case	(1) 1-3/8" TITANIUM ENHANCED Carbide Metal Blade (2) 1-3/8" TITANIUM ENHANCED Bi-Metal Multi-Material Blades (1) 2-1/2" TITANIUM ENHANCED Bi-Metal Multi-Material Blade (1) 3-1/2" Segmented TITANIUM ENHANCED Bi-Metal Multi-Material Blade (2) 1-3/8" High Carbon Steel Japanese Tooth Hardwood Blades (2) 1-3/8" High Carbon Steel Wood Blades (1) Hard Case Included	49-10-9113	

CUTTING AND GRINDING WHEELS

METAL CUTTING WHEELS

Abrasive Type	Wheel Diameter (mm)	Thickness (mm)	Bore Size (mm)	Part No.	Image
WA60T	105	1	16	49 -94 -8400	
WA60T	125	1	22.2	49 -94 -8500	
A46S	180	1.6	22.2	49 -94 -8700	
A46T	355	3	25.4	49 -94 -8140	
A30R	355	2.5	25.4	49 -94 -8150	

METAL GRINDING WHEELS

Abrasive Type	Wheel Diameter (mm)	Thickness (mm)	Bore Size (mm)	Part No.	Image
A24R	100	6	16	49 -94 -8410	
A24R	125	6	22.2	49 -94 -8510	
A24R	180	6	22.2	49 -94 -8710	

SANDING BELTS

Paper Size (mm)	Grit	Pack Quality	Part No.	Image
75 X 457	40	5	4932480546	
75 X 457	60	5	4932480547	
75 X 457	80	5	4932480548	
75 X 457	100	5	4932480549	
75 X 457	150	5	4932480550	

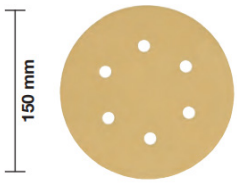
POWERGRID™ SANDING MESH ACCESSORIES

- **SUPERIOR performance with** Faster Material Removal & Tight Corner Accessibility.
- **12X LONGER LIFE vs Standard Sandpaper.**
- **REUSABLE by** Shake, Rinse or Vacuum to Reuse Sanding Mesh.

Type	Grit	Pack Quality	Part No.
Pentagon Sanding Mesh	80	12	48-80-5080
Pentagon Sanding Mesh	120	12	48-80-5120
Pentagon Sanding Mesh	150	12	48-80-5150
Pentagon Sanding Mesh	180	12	48-80-5180
Pentagon Sanding Mesh	220	12	48-80-5220
Pentagon Sanding Mesh	320	12	48-80-5320
Pentagon Sanding Mesh	400	12	48-80-5400
Pentagon Sponge Interface Pad	-	1	48-80-5402
Pentagon Sanding Mesh Assorted Kits	80 x 4Pc, 120 x 4Pc, 180 x 4Pc, Pad saver x 1Pc	13	48-80-5405

HIGH PERFORMANCE SANDING SHEETS FOR RANDOM ORBITAL SANDERS

NEW

Description	Grit	Pack Quantity	Part No.	Image
150mm 40grit Sanding Sheets High Performance Automotive 6 Holes 50pk	40	50	4932492232	
150mm 60grit Sanding Sheets High Performance Automotive 6 Holes 50pk	60	50	4932492233	
150mm 80grit Sanding Sheets High Performance Automotive 6 Holes 50pk	80	50	4932492234	
150mm 120grit Sanding Sheets High Performance Automotive 6 Holes 50pk	120	50	4932492235	
150mm 150grit Sanding Sheets High Performance Automotive 6 Holes 50pk	150	50	4932499979	
150mm 180grit Sanding Sheets High Performance Automotive 6 Holes 50pk	180	50	4932492236	
150mm 220grit Sanding Sheets High Performance Automotive 6 Holes 50pk	220	50	4932499981	
150mm 240grit Sanding Sheets High Performance Automotive 6 Holes 50pk	240	50	4932492237	
150mm 280grit Sanding Sheets High Performance Automotive 6 Holes 50pk	280	50	4932499983	
150mm 320grit Sanding Sheets High Performance Automotive 6 Holes 50pk	320	50	4932499984	
150mm 400grit Sanding Sheets High Performance Automotive 6 Holes 50pk	400	50	4932499985	
150mm 500grit Sanding Sheets High Performance Automotive 6 Holes 50pk	500	50	4932499986	
150mm 600grit Sanding Sheets High Performance Automotive 6 Holes 50pk	600	50	4932499987	
150mm 800grit Sanding Sheets High Performance Automotive 6 Holes 50pk	800	50	4932499988	

REBAR FLUSH CUTTER BLADE

NEW

REBAR CUTTER BLADE 137MM X 28MM X 1.6MM X 30T

- Clean cuts
- Easier cutting in steel pipe
- Exclusive compatible with M18 FUEL™ 12MM-34MM Steel Pipe Cutter

Diameter (mm)	Arbor Size (mm)	Cutting Width (mm)	No. of Teeth	Pack Quantity	Part Number	Material
137	28	1.6	30	1	4932499702	Carbide

PIPE/METAL IPS CUTTER CIRCULAR BLADE

NEW

PIPE/METAL IPS CUTTER CIRCULAR BLADE 115MM X 12MM X 24T

- Exclusively compatible with M18 FUEL™ 12mm - 34mm Steel Pipe Cutter Tool
- Tungsten Carbide - Premium tungsten carbide for long tooth life, up to 200 cuts per blade, stays sharper longer
- Easiest, consistent clean cuts - Minimal burring, less rework, higher consistency

Diameter	Arbor Size	No. of Teeth	Pack Quantity	Part Number	Material
115	1.6 / 1.2	24	1	4932500399	

ELECTRICAL ACCESSORIES

NEW

Description	Part Number	Image
SHOCKWAVE™ IMPACT DUTY 3/8" (9.6MM) Threaded Rod Nut Runner	48-32-2391	48-32-2391
8 Solid AWG Wire Stripper	48-32-6401	
10 Solid AWG Wire Stripper	48-32-6402	
12 Solid AWG Wire Stripper	48-32-6403	
14 Solid AWG Wire Stripper	48-32-6404	
2pc Solid Wire Stripper Set (12 & 14 AWG)	48-32-6405	
4pc Solid Wire Stripper Set (8, 10, 12 & 14 AWG)	48-32-6406	
Carabiner Bit Retainer	48-32-4537	48-32-4537
Quick-Twist Wire Connector Socket	48-32-6400	Solid AWG Wire Stripper
		48-32-6400

Milwaukee™

Nothing but **HEAVY DUTY.**™

MILWAUKEE TOOL

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