



GREGG DISTRIBUTORS LTD.

NEW PRODUCT SUPPLEMENT CATALOGUE

5

2014

In this issue:

AVMOR LTD. Biomaxx Hand Sanitizer.....	SP05-2	MITUTOYO Scribes	SP05-9
CONOCOPHILLIPS® Industrial Oils	SP05-16	MITUTOYO Test Indicators & Accessories	SP05-5 to SP05-6
FLEXFAB® Silicone Charge Air Cooler Hose.....	SP05-17	PROCORE LED Decorative Light Strings	SP05-2
GDX Air Brake System	SP05-18	PROCORE Rolling Tool Box.....	SP05-2
GDX Gunitite Automatic Slack Adjusters.....	SP05-18	QUAKER STATE® Motor Oils	SP05-16
JOMAC General Duty Gloves.....	SP05-17	SAFEWAY First Aid/Medical Supplies	SP05-17
MILWAUKEE Corded Power Tools.....	SP05-15	SKF/CR® Seals.....	SP05-18
MILWAUKEE M12 Cordless Power Tools.....	SP05-13 to SP05-15	TRYGG Parts & Accessories	SP05-17
MILWAUKEE M12 Fuel Cordless Power Tools.....	SP05-12 to SP05-13		
MILWAUKEE M18 Cordless Power Tools.....	SP05-11 to SP05-12		
MILWAUKEE M18 Fuel Cordless Power Tools.....	SP05-10 to SP05-11		
MILWAUKEE M28 Cordless Power Tools.....	SP05-10		
MITUTOYO Bore & Hole Gauges.....	SP05-7		
MITUTOYO Calipers & Accessories.....	SP05-8		
MITUTOYO Depth & Snap Gauges.....	SP05-8		
MITUTOYO Micrometers & Accessories	SP05-3 to SP05-5		
MITUTOYO Radius Gauges.....	SP05-7		
MITUTOYO Rulers, Squares, Combo Squares, and Protractors	SP05-9		

Rolling Tool Box



4 PC. ROLLING TOOLBOX

- Interlocking boxes for portability and flexibility with each section being able to be separated or combined
 - Top box: large tool box with inside tray, nesting handle and metal side hasps
 - 2nd box: large single drawer box with ball bearing sliding rails
 - 3rd box: large two drawer box with ball bearing sliding rails
 - 4th or bottom box: large front swing tilt drawer box
 - Each section has a built-in independently locking hasp •165 lbs (75 kgs) maximum loading capacity
 - Retractable handle •4-7/8" (12.5 cm) wheels
- Part No. 00-1175.

Dimensions:

Overall - 19 3/4" x 12 1/2" x 35 1/2"

Top Box Inner - 17 1/8" x 8 3/4" x 5 1/4"

2nd Box Inner - 15 3/8" x 8 3/8" x 5 3/8"

3rd Box Inner - 15 3/8" x 8 3/8" x 2 5/8" each

Bottom Inner - 16" x 8 1/2" x 10 1/8"



Decorative Lights

LED DECORATIVE LIGHT STRINGS

- Indoor/outdoor rated •37 ft./11.3 m string length •150 strawberry C6 LED bulbs at 3" spacing
 - Low voltage, cool touch LED's •Maximum of two strings can be connected together via end-to-end coaxial connections •120V, 4 watts per string •CSA 8W, 24V DC adapter included •Green wire sting •Replaceable bulb
- Part No. 22-3420, Multi-colour (Green, Blue, Red, Yellow, and Amber).
- Part No. 22-3422, White.
- Part No. 22-3424, Red.
- Part No. 22-3426, Green.
- Part No. 22-3428, Blue.
- Part No. 22-3430, Yellow.
- Part No. 22-3432, Amber.



AVMOR LTD.

Biomaxx Hand Sanitizer



7T ALCOHOL HAND SANITIZER

- Fragrance free product that produces a thick, stable lather that leaves skin with a soft, refreshing, non-sticky after-feel •Fast drying and it effectively kills harmful bacteria and germs on skin •For personal hand hygiene to help prevent the spread of certain bacteria
 - 70% ethyl alcohol •Will also fit into Purell® 800 Series Dispenser
- Part No. 2195198001, 800 ml bag-in-box refill.
- Part No. 0000011770, 800 ml bag-in-box dispenser.



Mitutoyo

OUTSIDE MICROMETERS - SERIES 103 - METRIC

•Hammertone, baked-enamel-finished frame •Ratchet Stop for exact repetitive readings •With a standard bar except for 0-25 mm model •Comes with ratchet stop



Technical Data
 Graduation: 0.01 mm, 0.001 mm
 Flatness: 0.6 µm for models up to 300 mm
 1 µm for models over 300 mm
 Parallelism: (2+R/100) µm, R= max. range (mm)
 Measuring faces: Carbide tipped

Part No.	Range	Accuracy	Mass (g)
103-137	0 - 25 mm	±2µm	175
103-138	25 - 50 mm	±2µm	215
103-139-10	50 - 75 mm	±2µm	315
103-140-10	75 - 100 mm	±3µm	375
103-141-10	100 - 125 mm	±3µm	515
103-142-10	125 - 150 mm	±3µm	665
103-143-10	150 - 175 mm	±4µm	720
103-144-10	175 - 200 mm	±4µm	920
103-145-10	200 - 225 mm	±4µm	1080
103-146-10	225 - 250 mm	±5µm	1255

OUTSIDE MICROMETERS - SERIES 104

•Wide measuring range with interchangeable anvils
 •Ratchet Stop for constant force
 •Supplied with zero-setting standards bar for each range
 •Supplied in fitted wooden case



Technical Data
 Accuracy: ±[.00016" + .00004 (L/3)] L = Max Range (inch)
 Graduation: .001" (104-165; is .0001")
 Flatness: .000024" for models up to 12"
 Parallelism: .00008" for models up to 3"
 .00012" for models up to 6"
 ±[.00008" + .00004 (L/4)] L = Max range (inch)
 Measuring faces: Carbide tipped (spindle only)

Part No.	Range	Graduation	Mass (kg)	Come with
104-137	0-6"	.001"	1.35	6 anvils & 5 standards
104-138	6-12"	.001"	2.65	6 anvils & 6 standards

EXTENSION ROD TYPE TUBULAR INSIDE MICROMETERS - SERIES 137

•Wide range of ID measurements by combining extension rods (pipes) and anvils with the micrometer head •Supplied in fitted plastic case



Technical Data
 Accuracy: ±[.00012+n+(.00004xR/2)]*
 R=Maximum measuring length (inch), Fraction rounded up
 Graduation: 0.01mm or .001"

Part No.	Range	Travel of Micrometer Head	Extension Rods
137-214	2" - 60"	.5"	.5", 1", 2" (2 pcs.), 4", 8" (2 pcs.), 12"

OUTSIDE MICROMETERS - SERIES 103 - INCH

•Hammertone, baked-enamel-finished frame •Ratchet Stop for exact repetitive readings •With a standard bar except for 0-1" model •Comes with ratchet stop



Technical Data
 Graduation: .001" or .0001"
 Flatness: .000024" for models up to 12"
 Parallelism: [.00008 + .00004 (L/4)] L = max range (inch)
 Measuring faces: Carbide tipped

Part No.	Range	Graduation	Accuracy	Mass (g)
103-177	0 - 1"	.001"	±.0001"	175
103-260*	0 - 1"	.0001"	±.0001"	175
103-178	1 - 2"	.001"	±.0001"	215
103-262*	1 - 2"	.0001"	±.0001"	215
103-179	2 - 3"	.001"	±.0001"	315
103-217*	2 - 3"	.0001"	±.0001"	315
103-180	3 - 4"	.001"	±.00015"	375
103-218*	3 - 4"	.0001"	±.00015"	375
103-181	4 - 5"	.001"	±.00015"	515
103-219*	4 - 5"	.0001"	±.00015"	515
103-182	5 - 6"	.001"	±.00015"	665
103-220*	5 - 6"	.0001"	±.00015"	665
103-183	6 - 7"	.001"	±.0002"	720
103-184	7 - 8"	.001"	±.0002"	920
103-185	8 - 9"	.001"	±.0002"	1080
103-186	9 - 10"	.001"	±.00025"	1255
103-187	10 - 11"	.001"	±.00025"	1405
103-188	11 - 12"	.001"	±.00025"	1565

*.0001" Reading is obtained with vernier

SPHERICAL FACE MICROMETERS - SERIES 115, 295, 395

•Designed to measure the wall thickness of various tubing
 •Ratchet Stop for constant force •Supplied in fitted plastic case



395-371



295-215

Technical Data
 Battery: 357BPZ
 Accuracy: Refer to the list of specifications.
 Flatness: .000024" / 0.6µm

Part No.	Range	Graduation	Accuracy	Mass
Analog				
115-253*	0 - 1"	.0001"	±.00015"	180
Mechanical counter model				
295-215	0 - 25 mm	0.01 mm	±3µm	220
295-253*	0 - 1"	.0001"	±.00015"	220
Digital model (IP65 Approved) - Inch/Metric				
395-371	0 - 1"/ 1"-2"	.00005"/ .00005"	±.0001"	270
395-372	25.4-50.8 mm	0.001 mm	±.0001"	330
395-373	2"-3"/ 50.8-76.2 mm	.00005"/ 0.001 mm	±.0001"	470
395-374	3"-4"/ 76.2-101.6 mm	.00005"/ 0.001 mm	±.00015"	625

*.0001" Reading is obtained with vernier

OUTSIDE MICROMETER KITS - SERIES 103

•Micrometer Set .0001" Graduation Model
 Part No. 103-907-40, 6 pc. Micrometer Kit. Includes 0-1", 1-2", 2-3", 3-4", 4-5", and 5-6" micrometers.

Part No. 103-908-40, 12 pc. Micrometer kit. Includes 0-1", 1-2", 2-3", 3-4", 4-5", 5-6", 6-7", 7-8", 8-9", 9-10", 10-11", and 11-12" micrometers.

•Micrometer Set .001" Graduation Model

Part No. 103-930, 4 pc. Micrometer Kit. Includes 0-1", 1-2", 2-3", and 3-4" micrometers.



103-908-40



103-930

INTERCHANGEABLE ROD TYPE DEPTH MICROMETER - SERIES 129, 329

•4 mm interchangeable rods, with lapped measuring end, provide a wide measuring range •The rod length can be adjusted in 1" or 25 mm increments •With ratchet stop for constant force •With measuring rod clamp •Supplied in fitted plastic case



129-127



329-350-10

Technical Data
 Accuracy: ±.00012"/±3µm for micrometer head feed
 Resolution*: .00005"/0.001mm or 0.001mm
 Graduation: .001" or 0.01mm
 Flatness of reference face: .00005" for 2.5"/1.3µm for 63.5 mm width base, .00008" for 4"/2µm for 101.6 mm width base
 Flatness of measuring rod face: 0.3µm
 Parallelism from reference face and measuring rod face:
 [.00016 + (.00004 x R/2)]
 R= max. measuring range (inch)
 (4+L/50)µm, L=Max. measuring length (mm)
 Measuring rod diameter: .157"/4 mm
 Display*: LCD
 Battery*: 357BPZ
 Battery life*: Approx. 3.5 years under normal use

*Digital model

Part No.	Range	Base Size	Rod Quantity
Analog Model			
129-127	0-4"	2.5" x .63"	4 rods
129-131	0-4"	4" x .63"	4 rods
129-128	0-6"	2.5" x .63"	6 rods
129-132	0-6"	4" x .63"	6 rods
129-149	0-12"	2.5" x .63"	12 rods
129-150	0-12"	4" x .63"	12 rods
Digital Model - Inch/Metric			
329-350-10	0-6"/0-152.4 mm	4"x.63"	6 rods
329-351-10	0-12"/0-304.8 mm	4"x.63"	12 rods

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INTERCHANGEABLE ROD TYPE INSIDE MICROMETER - SERIES 141

•Wide range of ID measurements with interchangeable rods
•Each interchangeable rod is marked with its measuring range
•The sizes of interchangeable rods can be adjusted with spacing collars
•Both micrometer head and furnished rods are satin-chrome finished throughout
•Supplied in fitted plastic case



Technical Data

Accuracy: $\pm\{.00024 + (.00004 \times R/2)\}^{**}$

*R=Maximum measuring length (inch)

†Fraction rounded up

Graduation: .001"

Part No.	Range	Travel of Micrometer Head	Comes with
141-102	1"-2"	.25"	2 rods
141-208	2"-8"	.5"	3 rods
141-233	2"-12"	.5"	5 rods
141-121	8"-20"	1"	3 rods

MICROMETERS STANDARD SETS - SERIES 167

•Used for the zero point setting of outside micrometers
•Flat and lapped measuring faces
•Heat insulating handle to prevent expansion due to body temperature
•Supplied with fitted carrying case

Part No. 167-902, 5 pc. set, comes with 25, 50, 75, 100, and 125 mm micrometers.

Part No. 167-903, 11 pc. set, comes with 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, and 275 mm micrometers.

Part No. 167-912, 5 pc. set, comes with 1", 2", 3", 4", and 5" micrometers.

Part No. 167-913, 11 pc. set, comes with 1", 2", 3", 4", 5", 6", 7", 8", 9", 10", and 11" micrometers.



QuantuMike COOLANT PROOF MICROMETER - SERIES 293

•Faster measurement with 2 mm per revolution instead of the standard 0.5 mm
•A patented ratchet thimble mechanism helps ensure repeatability
•A function lock helps prevent error
•IP-65 protection level
•Certificate of inspection provided
•Supplied in fitted plastic case



Technical Data

Resolution: 0.001 mm or .00005"/0.001 mm

Flatness: 0.3 μm/.000012"

Parallelism: 1 μm/.00004" for models up to 50 mm/2"

Measuring faces: Carbide tipped

Display: LCD

Battery: 357BPZ

Battery life: Approx. 1.2 years under normal use

Dust/Water protection level: IP65

Part No.	Range	Resolution	Accuracy
293-185	0-1 1/2" - 25.4 mm	.00005"/0.001 mm	.00005"

INSIDE MICROMETERS - SERIES 145, 345

•Caliper type jaws are made of high-grade, tool steel
•Locking clamp for positive locking of spindle
•Satin-chrome finished
•Supplied in fitted plastic case. Over 175 mm / 4" supplied in wooden case.



Technical Data

Resolution: 0.01 mm or .00005"/0.001 mm

Graduation: 0.01 mm or .001" (Analog model)

Measuring faces: Carbide tipped

Display: LCD

Battery: 357BPZ

Battery life*: Approx. 1.2 years under normal use

*Digital model

Part No.	Range	Accuracy
METRIC		
145-185	5-30 mm	$\pm 5 \mu\text{m}$
145-186	25-50 mm	$\pm 6 \mu\text{m}$
145-187	50-75 mm	$\pm 7 \mu\text{m}$
145-188	75-100 mm	$\pm 8 \mu\text{m}$
145-189	100-125 mm	$\pm 9 \mu\text{m}$
145-190	125-150 mm	$\pm 9 \mu\text{m}$
145-191	150-175 mm	$\pm 10 \mu\text{m}$
145-192	175-200 mm	$\pm 10 \mu\text{m}$
INCH		
145-193	.2 - 1.2"	$\pm .00025$ "
145-194	1 - 2"	$\pm .0003$ "
145-195	2 - 3"	$\pm .00035$ "
145-196	3 - 4"	$\pm .0004$ "
Digital Model - Inch/Metric		
345-350-10	.2-1.2"/5-30 mm	$\pm .00025$ "
345-351-10	1-2"/25-50 mm	$\pm .0003$ "

COOLANT PROOF MICROMETER - SERIES 293

•IP65 protection level, enabling use in environments exposed to cutting oil, etc
•Auto power ON/OFF function
•Certificate of inspection is included. (2" / 50 mm or less range models)
•Supplied in fitted case. Comes with plastic case



Technical Data

Resolution: .00005"/0.001 mm or 0.001 mm (up to 4" models)

.0001" / 0.001 mm (over 4" models)

Flatness: .000012"/0.3 μm

Parallelism: .00004"/1 μm for models up to 2"/50 mm

.00008"/2 μm for models up to 4"/100 mm

.00012"/3 μm for models up to 7"/175 mm

Measuring faces: Carbide tipped

Display: LCD

Battery: 357BPZ

Battery life: Approx. 1.2 years under normal use

Dust/Water protection level: IP65

Part No.	Range	Resolution	Accuracy
293-340-30	0-1 1/2"/0-25.4 mm	.00005"/0.001 mm	$\pm .00005$ "
293-341-30	1"-2"/25.4-50.8 mm	.00005"/0.001 mm	$\pm .00005$ "
293-342-30	2"-3"/50.8-76.2 mm	.00005"/0.001 mm	$\pm .00005$ "
293-343-30	3"-4"/76.2-101.6 mm	.00005"/0.001 mm	$\pm .0001$ "
293-350-10*	4"-5"/101.6-127.0 mm	.0001"/0.001 mm	$\pm .0001$ "
293-351-10*	5"-6"/127.0-152.4 mm	.0001"/0.001 mm	$\pm .0001$ "

*With SPC Data Output

MICROMETERS STANDARDS - SERIES 167

•Used for the zero point setting of outside micrometers
•Flat and lapped measuring faces
•Heat insulating handle to prevent expansion due to body temperature
•Supplied in fitted carton



Part No.	Length	Diameter	Accuracy
METRIC			
167-101	25 mm	6.35 mm	$\pm 1.5 \mu\text{m}$
167-102	50 mm	6.35 mm	$\pm 2.0 \mu\text{m}$
167-103	75 mm	6.35 mm	$\pm 2.5 \mu\text{m}$
167-104	100 mm	7.9 mm	$\pm 3 \mu\text{m}$
167-105	125 mm	7.9 mm	$\pm 3.5 \mu\text{m}$
167-106	150 mm	7.9 mm	$\pm 4 \mu\text{m}$
167-107	175 mm	7.9 mm	$\pm 4.5 \mu\text{m}$
167-108	200 mm	9.4 mm	$\pm 5.0 \mu\text{m}$
167-109	225 mm	9.4 mm	$\pm 5.5 \mu\text{m}$
167-110	250 mm	9.4 mm	$\pm 6.0 \mu\text{m}$
167-111	275 mm	9.4 mm	$\pm 6.5 \mu\text{m}$
INCH			
167-141	1"	.25"	$\pm .000005$ "
167-142	2"	.25"	$\pm .0001$ "
167-143	3"	.25"	$\pm .0001$ "
167-144	4"	.31"	$\pm .0001$ "
167-145	5"	.31"	$\pm .00015$ "
167-146	6"	.31"	$\pm .00015$ "
167-147	7"	.31"	$\pm .00015$ "
167-148	8"	.37"	$\pm .00015$ "
167-149	9"	.37"	$\pm .0002$ "
167-150	10"	.37"	$\pm .0002$ "
167-151	11"	.37"	$\pm .0002$ "
167-152	12"	.37"	$\pm .00025$ "



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MDC-Lite DIGIMATIC MICROMETER - SERIES 293

- Provided only with a zero set and in / mm keys
- Friction thimble for a constant measuring force
- Measurement readout with large characters on the LCD screen
- No spindle clamp
- No data output
- Supplied in fitted plastic case



Technical Data

Resolution: .00005"/0.001mm or 0.001mm

Flatness: .000012" / 0.3µm

Parallelism: .00008" / 2µm

Measuring faces: Carbide tipped

Display: LCD

Battery: 357BPZ

Battery life: Approx. 1.2 years under normal use

Part No.	Range	Resolution	Accuracy
293-832-30	0-1"/0-25.4 mm	.00005" / 0.001 mm	±.0001"

DISK MICROMETERS - SERIES 123, 323

- Diameter of measuring disk: .787"/20 mm
- Ratchet Stop for constant force
- Supplied in fitted plastic case



Technical Data

Resolution*: .00005"/0.001 mm or 0.001 mm

Graduation: .001" or 0.01 mm

Flatness: .00004" / 1µm for models up to .00004" / 100 mm

.000063" / 1.6µm for models over 4" / 100 mm

Parallelism: .00016" / 4µm for models up to 2 1/2" 50 mm

Display*: LCD

Battery*: 357BPZ

Battery life*: Approx. 1.2 years under normal use

*Digital model

Part No.	Range	Graduation	Accuracy	Mass (g)
Analog Model				
123-101	0-25 mm	0.01 mm	±4µm	200
123-125	0-1"	.001"	±.0002"	200
Digital Model				
323-350	0-1"/0-25.4 mm	.00005"/0.001mm	±.0002"	290
323-351	1-2"/25.4-50.8 mm	.00005"/0.001mm	±.0002"	355

MICROMETER STANDS - SERIES 156

- These stands are designed to allow benchtop use with hand micrometers or other gauges
- Part No. 156-101-10, Adjustable angle type. Up to 4" / 100mm range.
- Part No. 156-106, Fixed angle with platform. 0-1" / 0-25 mm, 1-2" / 25-50 mm range.



156-101-10

156-106

SPC CABLE WITH DATA SWITCH

- For 293 series micrometers.

Part No. 05CZA662, 40"/1 m.

Part No. 05CZA663, 80"/2 m.



BACK PLUNGER TYPE DIAL INDICATORS - SERIES 1

- Back plunger type dial gauges are suitable for mounting onto leveling machine tool tables or inspection jigs, and for use in small spaces where the graduations of standard dial gauges are difficult to see
- Stem 3/8" dia., #4-48 UNF Thread
- Measuring force: 1.4N or less
- ANSI/AGD type



Part No.	Range	Range / Rev	Graduation	Accuracy	Dial Reading
1166T	.2"	.05"	.001"	±.001"	0-50
1167T	.2"	.05"	.001"	±.001"	0-25-0

DIAL INDICATORS - SERIES 1

- Stem dia. 3/8" #4-48 UNF Thread
- Measuring force: 1.4N or less
- ANSI/AGD type



Part No.	Range	Range / Rev	Graduation	Accuracy	Dial Reading
1410S	.25"	.1"	.001"	±.001"	0-100

DIAL INDICATORS - SERIES 2

- Standard Type, Inch Reading
- Stem dia. 3/8" #4-48 UNF Thread
- Measuring force: 1.8N or less (#24245-19 is 2.5N or less)
- ANSI/AGD type



Part No.	Range	Range / Rev	Graduation	Accuracy	Dial Reading
With Lug					
2416S	1"	.1"	.001"	±.001"	0-100
2416S-10*	1"	.1"	.001"	±.001"	0-100
2424S-19**	2"	1"	.001"	±.001"	0-100
Flat-back					
2416SB	1"	.1"	.001"	±.001"	0-100
2416SB-10*	1"	.1"	.001"	±.001"	0-100
2922SB	.125"	.05"	.0005"	±.0005"	0-25-0

*Jeweled bearing type

**Shockproof/jeweled bearing type

HORIZONTAL TYPE DIAL TEST INDICATORS - SERIES 513

- Performs easy and accurate measurement of narrow or recessed areas, plus inside and outside diameters that dial indicators cannot access
- No-clutch structure for automatic reversal of measuring direction
- Resistant to water and dust thanks to the one-piece bezel and "crystal" design with O-ring
- The glare-free flat crystal face has a scratch-resistant coating
- High-sensitivity and quick-response because of jeweled bearings
- A carbide contact point is provided as standard



Full set shown.

Part No.	Range	Contact Point	Graduation	Accuracy	Dial Reading
BASIC SET					
513-402	.03"	19.9 mm	.0005"	±.0005"	0-15-0
513-412	.03"	33.9 mm	.0005"	±.0005"	0-15-0
FULL SET					
513-402T	.03"	19.9 mm	.0005"	±.0005"	0-15-0
513-412T	.03"	33.9 mm	.0005"	±.0005"	0-15-0

POCKET TYPE DIAL TEST INDICATORS - SERIES 513

- Jeweled bearings assure higher sensitivity and accuracy
- Reversible measuring direction
- Two holding bars are supplied (Full sets only)
- Fully adjustable bezel/dial face
- Contact point is adjustable within 220°
- Bezel is sealed with an O-ring to keep out water/oil



Full set shown.

Part No.	Range	Contact Point	Graduation	Accuracy	Dial Reading
BASIC SET					
513-527E	0.8 mm	14.7 mm	0.01 mm	8µm	0-40-0
FULL SET					
513-518T	.04"	26.5 mm	.001"	±.001"	0-20-0
513-527T	0.8 mm	14.7 mm	0.01 mm	8µm	0-40-0

ABS DIGIMATIC INDICATOR - SERIES 543

•This indicator uses a button-type battery (357BPZ), stresses ease of use, and comes with the minimum of functionality •These Digimatic indicators employ Mitutoyo proprietary ABS sensor, which makes it possible to restore the origin point even if the power is turned off. This eliminates the need to perform origin matching each time the power is turned on. Furthermore, this sensor ensures that overspeed errors do not occur, which improves reliability. •SPC Data output •Uses 357BPZ battery



Part No.	Range	Resolution	Accuracy	Back Type
543-783	.5/12.7 mm	.0005"/ 0.01 mm	±.008"/ 0.02 mm	With Lug
543-783B	.5/12.7 mm	.0005"/ 0.01 mm	±.008"/ 0.02 mm	Flat

MAGNETIC STAND SET - SERIES 7

Stand comes with Magnetic stand (#70105N), dial indicator (#2416S), and plastic case. Part No. 7046PCK.



SPINDLE LIFTING LEVER & CABLE

The Spindle Lifting Lever is attached to the top end of the spindle for improved inspection efficiency when using a dial indicator mounted on a stand.

Part No. 21BZA610, Use for Series 1 dial indicators (up to 5 mm / .25").

Part No. 902794, Use for Series 2 dial indicators (up to 10 mm/.4")



BACKS

Part No. 101211, Flat Back for Series 1.

Part No. 101039, Flat Back for Series 2.

Part No. 101307, Lug-on-Center Back for Series 1 inch type.

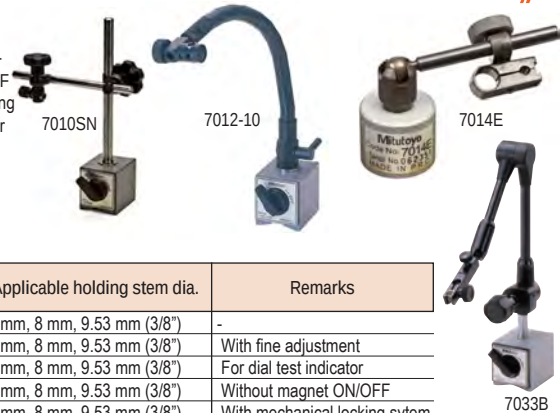
Part No. 101306, Lug-on-Center Back for Series 2 inch type.



Lug-on-Center Back

MAGNETIC STANDS - SERIES 7

Mitutoyo's Magnetic Stands accept all dial indicators and dial test indicators. The ON-OFF switch offers instant mounting and dismounting without any adverse effect to the indicators or workpiece surface.



Part No.	Description	Applicable holding stem dia.	Remarks
7010SN	Magnetic stand	6 mm, 8 mm, 9.53 mm (3/8")	-
7011SN	Magnetic stand	6 mm, 8 mm, 9.53 mm (3/8")	With fine adjustment
7012-10	Magnetic flexi-stand	6 mm, 8 mm, 9.53 mm (3/8")	For dial test indicator
7014E	Mini magnetic stand	6 mm, 8 mm, 9.53 mm (3/8")	Without magnet ON/OFF
7033B	Universal magnetic stand	6 mm, 8 mm, 9.53 mm (3/8")	With mechanical locking system

UNIVERSAL HOLDER

•Allows the indicator to be set at a desired position

Part No. 901916, 8 mm stem, Length: 80 mm.

Part No. 901459, .25" DIA. stem, Length: 3".

Part No. 901461, 6 mm stem, Length: 80 mm.



901916

UNIVERSAL HOLDER (POCKET STYLE)

•Since the Dial Test Indicator can be swiveled to a desired angle, the holder is useful for centering workpieces and installing workpieces on a milling machine

Part No. 901917, 8 mm stem, Length: 84 mm.

Part No. 901546, .25" DIA. stem, Length: 84 mm.

Part No. 901547, 6 mm stem, Length: 84 mm.



CONTACT POINTS

Part No. 131260, Flat Point, Carbide Tip.

Part No. 131262, .3" Ball Point.

Part No. 131265, .6" Ball Point.

Part No. 131268, 1" Ball Point.

Part No. 131271, .04" Needle point, Carbide tipped.

Part No. 131279, .5" Needle point, Carbide tipped.

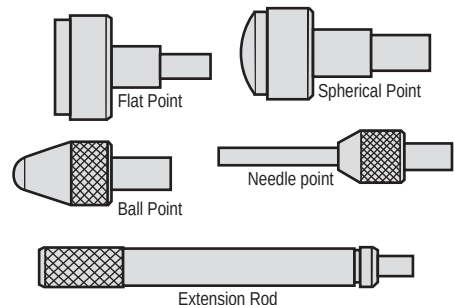
Part No. 131274, .4" Spherical Point, Carbide Tip.

Part No. 139167, 1/2" Extension Rod.

Part No. 301655, 1" Extension Rod.

Part No. 301657, 2" Extension Rod.

Part No. 301659, 4" Extension Rod.



ACCESSORIES

Part No. 900209, 100 mm Holding Bar.

Part No. 900211, 115 mm Holding Bar.

Part No. 900306, 4" Holding Bar.

Part No. 900321, Swivel clamp for 4 and 8 mm dovetail.

Part No. 900322, Swivel clamp for .157" and 3/8" dia. dovetail.



900209

900321

SPC CABLE WITH DATA SWITCH

•For 543 series indicator.

Part No. 05CZA662, 40"/1 m.

Part No. 05CZA663, 80"/2 m.



ABSOLUTE DIGIMATIC BORE GAUGE - SERIES 511

•The minimum value holding function provides the easy detection of hole diameter •Up to three sets of master value and upper/lower tolerance value can be memorized •An analog bar indicator is integrated to enhance the intuition in reading •GO/±NG judgment is performed by setting the upper and lower tolerances •Up to four rods (250 mm or 500 mm) can be used



Technical Data
Accuracy: Wide Range: 0.003 mm / .00012"
Narrow Range: 0.002 mm / .00008"
Resolution: .00005" / 0.001 mm
Display: LCD
Battery: 357BPZ
Battery life: Approx. 9 months for normal use
Dust/Water protection level: Conforming to IP53

ABSOLUTE

Part No.	Range	Probe depth
511-521	1.8-4"/45-100 mm	6" (152.4 mm)

BORE GAUGES - SERIES 511

•Most popular Bore Gauges •Carbide-tipped contact points for durability •The dial indicator is fully protected by a rugged cover •Dial indicators sold separately for all except #511-743



Technical Data
Accuracy: 2µm / .00008"
Indication stability: 1µm / .00004"
Graduation: 0.01 mm, 0.001 mm, .0005" or .0001"

Part No.	Measuring Range	Number of Anvils	Number of Spacers
Metric - Gauge Stem ø 8mm			
511-701	18 - 35 mm	9	2
511-702	35 - 60 mm	6	4
511-703	50 - 150 mm	11 (50 mm Sub Anvil)	4
Inch - Gauge Stem ø 3/8"			
511-731	.7 - 1.4"	9	2
511-732	1.4 - 2.5"	6	4
511-733	2.0 - 6.0"	11 (2" sub anvil)	4
511-743*	2.0 - 6.0"	11 (2" sub anvil)	4

*Comes with #2922SB Graduation dial indicator

3 PC. BORE GAUGES - SERIES 511

•Carbide-tipped contact points for durability •The dial indicator is fully protected by a rugged cover



Part No.	Measuring Range	Number of Anvils	Number of Spacers
Metric - Gauge Stem ø 8mm			
511-921	18 - 150 mm	26 (50 mm Sub Anvil)	10
Inch - Gauge Stem ø 3/8"			
511-931*	.7 - 6"	26 (2" sub anvil)	10

BOREMATRIC SET - SERIES 568

The Borematic enables the operator to take measurements more accurately and quicker than ever before. Once the origin point is set with the ORIGIN button, the Borematic retains the setting for the entire battery life. Therefore no longer repeated origin setting (presetting) is necessary.

•TIN-coated measuring contact points provide excellent durability and impact resistance and allow the instrument to measure to the bottom of a blind hole •Large LCD digits of 8.5 mm height for error-free reading •330° rotatable display unit for easy reading at any angle •GO/NO-GO judgment function •The ABSOLUTE linear encoder eliminates over-speed errors •With SPC data output •Measurement can be taken closer to the bottom of a blind bore •Supplied in fitted wooden case •Each set includes one display unit with interchangeable measuring heads of the sizes specified and extension rod •Range: 6 - 12 mm
Part No. 568-924.



Technical Data
Resolution: 0.001 mm or .00005"/0.001 mm
Contact point: Carbide or TIN coating
Measuring method: Three-point method
Display: LCD
Battery: 357BPZ
Battery life: Approx. 7,000 hours

ABSOLUTE

4 PC. SMALL HOLE GAUGES - SERIES 154

•Used with an outside micrometer for measuring inside diameter of bores •4 sizes of gauges are supplied in a fitted pouch •Extra long for gaging deep and shallow holes, slots, and similar workpieces •Gaging surface is fully hardened to insure long tool life

Part No. 154-901, Set comes with the following:

Part No. 154-105, .125" - .2" DIA. gauge.

Part No. 154-106, .2" - .3" DIA. gauge.

Part No. 154-107, .3" - .4" DIA. gauge.

Part No. 154-108, .4" - .5" DIA. gauge.



Mitutoyo

Radius Gauges

RADIUS GAUGES - SERIES 186

•Radius size is stamped on each gauge •Both concave and convex radius gauges become a pair •With a locking clamp •180° arc

Part No.	Range	Composition of Leaves
Inch		
186-101	1/32" - 1/4"	15 pairs: 1/32" - 1/4" by 64ths
186-102	1/16" - 1/2"	16 pairs: 1/16" - 1/2" by 64ths
Metric		
186-105	1 - 7 mm	34 pairs: 1 - 3 mm by 0.25 mm 3.5 - 7 mm by 0.5 mm
186-106	7.5 - 15 mm	32 pairs: 7.5 - 15 mm by 0.5 mm



25 PC. RADIUS GAUGE SET - SERIES 186

MITUTOYO Radius Gauges are recommended for checking or laying out concave or convex radii. An individual gauge for each dimension makes it possible to verify radius or fillet dimensions easier, faster and more accurately in machining, layout, inspection and pattern-making work. The measuring surfaces are precisely finished with smooth, accurate edges. Each Radius Gauge has five measuring locations, and it is identified with its particular radius dimensions. The gauges have a satin or dull-chrome finish. The holding case is provided to protect the sets of Radius Gauges, have indexed pockets to facilitate the selection of the proper size gauge. A 4" long holder is furnished with this set to make it possible to check radii in confined or hard-to-reach locations. 25 leaves with sizes from 1/64" - 1/16" by 64ths and 9/32" - 1/2" by 32nds.
Part No. 186-901.



**DIAL DEPTH GAUGE - SERIES 7**

•Bottom surface of the base is hardened, ground and lapped for highest degree of flatness •Extension Rod: 4 pcs. (.5", 1", 2", 4")

Technical Data
Dial reading: .001" or 0.01mm
Flatness of base face: 5µm or 2µm
Contact point: Carbide-tipped ball point
Measuring force: 2.5N

Part No.	Range	Graduation	Stroke	Accuracy	Base W x T
7218S	0-8"	.001"	1"	±.002"	4" x .63"

**6 PC. TELESCOPING SNAP GAUGES - SERIES 155**

•Spring-loaded plunger expands within the bore (or groove), allowing determination of the internal diameter (or groove width) •With a knurled clamp •Supplied in a fitted pouch

Part No. 155-903, Set comes with the following:

Part No. 155-121, .313" - .5" gauge.
Part No. 155-122, .5" - .75" gauge.
Part No. 155-123, .75" - 1.25" gauge.
Part No. 155-124, 1.25" - 2.125" gauge.
Part No. 155-125, 2.125" - 3.5" gauge.
Part No. 155-126, 3.5" - 6" gauge.

**Calipers & Accessories****ABSOLUTE DIGIMATIC CALIPER - SERIES 500**

•Large and clear LCD readout •The ZERO/ABS key allows the display to be Zero-Set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (usually jaws-closed point). •Thumb roller included only on calipers up to and including 12" or 300 mm •Supplied in fitted plastic case

**ABSOLUTE**

Technical Data
Resolution: .0005"/0.01 mm or 0.01 mm
Repeatability: .0005"/0.01 mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed: Unlimited
Battery: 357BPZ
Battery life: Approx. 3.5 years under normal use

Part No.	Range	Resolution	Accuracy
500-171-30	0-6"/0-150 mm	.0005"/0.01 mm	±.001"
500-172-30	0-8"/0-200 mm	.0005"/0.01 mm	±.001"
500-173	0-12"/0-300 mm	.0005"/0.01 mm	±.0015"
500-193*	0-12"/0-300 mm	.0005"/0.01 mm	±.0015"
500-196-30*	0-6"/0-150 mm	.0005"/0.01 mm	±.001"
500-197-30*	0-8"/0-200 mm	.0005"/0.01 mm	±.001"
500-506-10**	0-24"/0-600 mm	.0005"/0.01 mm	±.002"

*Without SPC data output
** Without Thumb Roller

ABSOLUTE COOLANT PROOF CALIPER - SERIES 500

•Can be used in workshop conditions exposed to coolant, water, dust or oil •Easy to use - no need to wipe or clean the scale •Advanced design styling •Incorporates absolute (ABS) measurement system •Automatic power-on/off •With thumb roller •Supplied in fitted plastic case •No SPC data output

**IP67**
ABSOLUTE

Technical Data
Resolution: .0005"/0.01 mm or 0.01 mm
Repeatability: .0005"/0.01 mm
Display: LCD
Length standard: ABSOLUTE electromagnetic induction linear encoder
Max. response speed: Unlimited
Battery: 357BPZ
Battery life: Approx. 3 years under normal use
Dust/Water protection level: IP67

Part No.	Range	Resolution	Accuracy
500-752-10	0-6"/0-150 mm	.0005"/0.01 mm	+/- .001"
500-753-10	0-8"/0-200 mm	.0005"/0.01 mm	+/- .001"
500-754-10	0-12"/0-300 mm	.0005"/0.01 mm	+/- .0015"

DIAL CALIPER - SERIES 505

• New designed dial movement for ultra smooth sliding and high shock protection •Titanium Nitride (TiN) coating is applied to the sliding surface to increase wearresistance (except for 0-12" and 0-300 mm model) •Lock screw for dial bezel and for holding the sliding jaw position •Can measure OD, ID, depth, and steps •Supplied in fitted plastic case



Part No.	Range	Graduation	Accuracy
.1" Per One Revolution			
505-675	0-6"	.001"	+/- .001"
505-676	0-8"	.001"	+/- .002"
505-677	0-12"	.001"	+/- .002"
.2" Per One Revolution			
505-717	0-6"	.001"	+/- .001"
505-719	0-8"	.001"	+/- .002"

VERNIER CALIPER - SERIES 530

•Can measure OD (outside diameter), ID (inside diameter), depth, and steps •The small vernier face angle (14°) provides easy reading •Dual reading scales on vernier •Lock screw for holding the sliding jaw position •Supplied with vinyl holster in fitted carton



Part No.	Range	Vernier Graduation		Accuracy
		Lower	Upper	
530-104	0-150 mm/0-6"	0.05 mm	1/128"	±0.05 mm
530-105	0 - 6"	.001"	1/128"	±.0015"
530-116	0 - 8"	.001"	1/128"	±.0015"

VERNIER CALIPER - SERIES 531

•The slider moves only when the spring loaded thumb clamp is depressed •Can measure OD, ID, depth, and steps •Supplied with vinyl holster in fitted carton



Thumb clamp.

Part No.	Range	Vernier Graduation		Accuracy
		Lower	Upper	
531-128	0-150 mm/0-6"	0.02 mm	.001"	±0.03 mm

ABSOLUTE DIGIMATIC DEPTH GAUGE - SERIES 571

• ABSOLUTE Digimatic Depth Gauge can keep track of the origin point once set for the entire life of the battery •Base and measuring faces are hardened and micro-lapped •With SPC data output

**ABSOLUTE**

Technical Data
Resolution: .0005"/0.01 mm or 0.01 mm
Repeatability: 0.01 mm
Display: LCD
Length standard: ABSOLUTE electrostatic capacitance type linear encoder
Max. response speed: Unlimited
Battery: 357BPZ
Battery life: Approx. 20,000 hours (3 years) under normal use

Part No.	Range	Resolution	Accuracy	Mass (g)
571-213-10	0-12"/0-300 mm	.0005"/0.01 mm	±.0015"	310

SPC CABLE WITH DATA SWITCH

•For 500 and 571 series calipers.
Part No. 05CZA662, 40"/1 m.
Part No. 05CZA663, 80"/2 m.

**ABSOLUTE****ABSOLUTE Linear Encoder**

Mitutoyo's technology has realized the absolute position method (absolute method). With this method, you do not have to reset the system to zero after turning it off and then turning it on. The position information recorded on the scale is read every time. These encoders are widely used in a variety of measuring instruments as the length measuring system that can generate highly reliable measurement data.



Mitutoyo

COMBINATION SQUARE SETS - SERIES 180

•Measuring head are attached to the graduated steel rule (blade), allowing versatile measurements on various types of workpieces •The measuring head come hardened or cast iron-not-hardened

Part No.	Blade Size	Blade Part No.	Square Head Part No.	Center Head Part No.	Protractor Head Part No.
180-905B	12"	180-501B	180-102B	180-202B	180-301B*
180-907B	12"x300 mm	-	180-102B	180-202B	180-301B*

*Cast iron-not hardened



SEMI-FLEXIBLE RULES - SERIES 182

•Engraved on frontside only •Graduations: 1/2 mm, 1 mm, 1/32, 1/64, 1/16th

Part No.	Size	Accuracy	Width
182-302	6" x 150 mm	+0.004" / -0.0035" (+0.1 mm / -0.09 mm)	5/8"
182-305	12" x 300 mm	+0.005" / -0.0035" (+0.13 mm / -0.09 mm)	5/8"



TAP & DRILL GAUGE - SERIES 950

•Each drill gauge is marked with drill size in fractions and decimals •Satin chrome finish •Tap and drill gauge shows the correct tap drill for National Fine or National Coarse thread series •Approximate plate size is 6-3/8" x 2 1/2" x 5/64"

Part No.	Type	Size
950-204	Drill Gauge / Mach. Screw Gauge	Tap Size 2-56 to 1/4-28
950-206	Fractional Drill Gauge	Drill Size 1/16" to 1/2"
950-208	Metric Drill Gauge	1.0 to 5.9 mm 57 holes
950-209	A to Z Alphabet Drill Gauge	Drill size A to Z



POCKET STEEL RULE - SERIES 950

•Engraved on frontside only •Backside: Inch/Metric equivalents •Graduation: 1 mm / 1/64ths •Accuracy: +0.004"/-0.0035" (+0.1 mm / -0.09 mm)

Part No. 950-300, 6" x 150 mm.



PROTRACTOR - SERIES 968

Basegular Base Protractor's scale plate and indicator blade are made entirely of stainless steel. Satin chrome finish. With 6" arm. Part No. 968-202, Semi-Circle: 0°-180°, 180°-0°.



Rulers, Squares, Combo Squares, and Protractors

STEEL RULES - SERIES 182

•Clear graduations on satin-chrome finish •Stainless tempered

Part No.	Size	Graduations	Width	Accuracy
Wide Rigid Rules (thickness 3/64")				
182-101	6"	1/8, 1/16, 1/32, 1/64th	3/4"	
182-103	6"	1/32, 1/64, 1/10, 1/100th	3/4"	+0.004" / -0.0035"
182-105	6" x 150 mm	1/32, 1/64, 1 mm, 0.5 mm	3/4"	(+0.1 mm / -0.09 mm)
182-111	150 mm	1 mm, 0.5 mm, 1 mm, 0.5 mm	19 mm	
182-121	12"	1/8, 1/16, 1/32, 1/64th	1"	+0.005" / -0.0035"
182-125	12" x 300 mm	1/32, 1/64, 1 mm, 0.5 mm	1"	(+0.13 mm / -0.09 mm)
Full-Flexible Rules (thickness 1/64")				
182-201	6"	1/8, 1/16, 1/32, 1/64th	1/2"	+0.004" / -0.0035"
182-203	6"	1/32, 1/64, 1/10, 1/100th	1/2"	(+0.1 mm / -0.09 mm)
182-205	6" x 150 mm	1/32, 1/64, 1 mm, 0.5 mm	1/2"	
182-225	12" x 300 mm	1/32, 1/64, 1 mm, 0.5 mm	1/2"	+0.005" / -0.0035"
				(+0.13 mm / -0.09 mm)



STANDARD GAUGES - SERIES 950

•Made of high quality steel •Satin chrome finish •Size: Gauge Range 0-36 Part No. 950-202, American Standard.



SPRING DIVIDERS & CALIPERS - SERIES 950

•Spring Divider - Fully hardened and tempered joints, spring, washers and divider points. •Contact ends fully rounded to give accurate dimensions.

Spring Divider Part No.	Outside Spring Calipers Part No.	Inside Spring Calipers Part No.	Range
950-212	950-222	950-232	6" (150 mm)
950-213	950-223	950-233	8" (200 mm)



Spring Divider



Outside Spring Calipers



Inside Spring Calipers

Mitutoyo



985-101

985-102

985-103

985-104

SCRIBERS - SERIES 985

MITUTOYO provides a full line of scribers to accommodate every shop need. All the scribers have tungsten-carbide tips. #985-104 is retractable.

Part No. 985-104, 5.75" length.

Part No. 985-102, 6.12" length.

Part No. 985-101, 6.75" length.

Part No. 985-103, 8.87" length.

Scribers

M28 Cordless Power Tools

M28™ CORDLESS LITHIUM-ION GRINDER / CUT-OFF TOOL KIT

•28V motor delivers 8000 RPM no load speed •Overload protection for preventing over-heating •Soft start reduces start-up torque and improves gear life •Large spindle lock for quick wheel replacement •Tool free guard provides easy guard adjustment •Slide on switch reduces user fatigue •Fuel gauge indicates remaining run time
Includes: Grinder, (1) M28 REDLITHIUM™ Battery Pack, Contractor Bag, 28-Volt Charger, Cut-Off Wheel, and Grinding Wheel
Part No. 0725-21.
Part No. 0725-20, Tool only.



SPECIFICATIONS
Voltage: 28 DC
Length: 14"
No Load Speed: 8000 RPM
Tool Weight: 6.8 lbs



M18 Fuel Cordless Power Tools

M18 FUEL™ 1/4" HEX IMPACT DRIVER

•Milwaukee® POWERSTATE™ Brushless Motor runs cooler, lasts longer and delivers up to 55% faster application speed •REDLINK PLUS™ Electronic Intelligence allows the operator to choose between 3 fastening modes with Milwaukee's proprietary DRIVE CONTROL™ feature •DRIVE CONTROL™: Three fastening modes provide variable power and speed for precision work and heavy duty applications
Includes: Impact Driver, (2) M18™ REDLITHIUM™ XC 4.0 Battery, Multi-Voltage Charger, Belt Clip, and Carrying Case
Part No. 2653-22.
Part No. 2653-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
Length: 5 1/2"
Peak Torque: 1,600 in-lbs
No Load Speed: 0-2,900 RPM
No Load IPM: 0-3,600

M18 FUEL™ 3/8" IMPACT WRENCH KIT WITH FRICTION RING

•Delivers a best-in-class 200 ft.-lbs. and 2,400 in.-lbs of torque in a compact design •The Milwaukee® POWERSTATE™ Brushless Motor provides increased efficiency, lasts longer and delivers maximum power •REDLINK PLUS™ Electronic Intelligence allows the operator to choose between 3 fastening modes with Milwaukee's proprietary DRIVE CONTROL™ feature •Utilizes a friction ring design for fast, easy socket changes
Includes: Impact Wrench, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Belt Clip, and Carrying Case
Part No. 2654-22.
Part No. 2654-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
Length: 6"
Weight: 3.8 lbs
No Load IPM: 0-3,100
No Load RPM: 0-2,400
Torque: 200 ft.-lbs/ 2,400 in.-lbs

M18 FUEL™ 1/2" IMPACT WRENCH KIT WITH BALL-PIN

•Delivers a best-in-class 210 ft.-lbs. and 2,520 in.-lbs of torque in a compact design •The Milwaukee® POWERSTATE™ Brushless Motor provides increased efficiency, lasts longer and delivers maximum power •REDLINK PLUS™ Electronic Intelligence allows the operator to choose between 3 fastening modes with Milwaukee's proprietary DRIVE CONTROL™ feature •Utilizes a ball-pin detent design for maximum socket retention
Includes: Impact Wrench with Ball-Pin, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Belt Clip, and Carrying Case
Part No. 2655B-22.
Part No. 2655B-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
Length: 6"
Weight: 3.9 lbs
Peak Torque: 210 ft.-lbs (2,520 in.-lbs)
No Load Speed: 0-2,400 RPM
No Load IPM: 0-3,100

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

•Superior performance: Delivers up to 700 ft.-lbs of maximum fastening torque, up to 1,100 ft.-lbs of nut-busting torque and up to 2X more runtime •POWERSTATE™ Brushless Motor: Outpowers competitors yet runs cooler with no wearable components •REDLINK PLUS™ Intelligence: allows the operator to choose between 2 fastening modes with Milwaukee's proprietary DRIVE CONTROL™ feature. Mode 1 delivers up to 100 ft.-lbs of maximum fastening torque, and Mode 2 up to 700 ft.-lbs maximum fastening torque •1/2" Anvil with friction ring for fast, easy socket changes
Includes: Impact Wrench, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, and Carrying Case
Part No. 2763-22.
Part No. 2763-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
LED Light: Yes
Electric Brake: Yes
Switch Type: Variable Speed Trigger
Anvil Size and Type: 1/2" Square - Friction Ring
Torque: 100 ft.-lbs (Mode 1) and 700 ft.-lbs (Mode 2)
Nut-Busting Torque: 1,100 ft.-lbs

M18 FUEL™ 3/4" HIGH-TORQUE IMPACT WRENCH WITH FRICTION RING KIT

•Superior performance: Delivers up to 750 ft.-lbs of maximum fastening torque, up to 1,200 ft.-lbs of nut-busting torque and up to 2X more runtime •POWERSTATE™ Brushless Motor: Outpowers competitors yet runs cooler with no wearable components •REDLINK PLUS™ Intelligence: allows the operator to choose between 2 fastening modes with Milwaukee's proprietary DRIVE CONTROL™ feature. Mode 1 delivers up to 375 ft.-lbs of maximum fastening torque, and Mode 2 up to 750 ft.-lbs maximum fastening torque •3/4" Anvil with friction ring for fast, easy socket changes
Includes: Impact Wrench, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, and Carrying Case
Part No. 2764-22.
Part No. 2764-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
LED Light: Yes
Electric Brake: Yes
Switch Type: Variable Speed Trigger
Anvil Size and Type: 3/4" Square - Friction Ring w/ Thru Hole
Torque: 375 ft.-lbs (Mode 1) and 750 ft.-lbs (Mode 2)
Nut-Busting Torque: 1,200 ft.-lbs

M18 FUEL™ SAWZALL® RECIPROCATING SAW KIT

•Superior performance: Delivers the fastest cutting speed in its class, increased power and the durability of corded saws •POWERSTATE™ Brushless Motor: Supplies constant power for faster cuts and reduced heat for extended life •REDLINK PLUS™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger
Includes: Reciprocating Saw, M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Blade, and Carrying Case
Part No. 2720-22, Includes (2) Batteries.
Part No. 2720-21, Includes (1) Battery.
Part No. 2720-20, Tool Only.



SPECIFICATIONS
Voltage: 18V
Length: 18-1/2"
Weight: 8.9 lbs
LED Light: Yes
Stroke Length: 1-1/8"
Keyless Adjustable Shoe: Yes
Keyless Blade Clamp: Yes
Blade Clamp: QUICK-LOK® Universal
SPM: 0-3,000

**M18 FUEL™ 6 1/2" CIRCULAR SAW KIT**

•POWERSTATE™ Brushless Motor: Outpowers all other 18-volt cordless circular saws and provides up to 3X longer tool life
 •REDLINK PLUS™ Intelligence: The most advanced electronic system on the market maximizes performance
 Includes: Circular Saw, M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Blade, Blade Wrench, and Contractor Bag
 Part No. 2730-22, Includes (2) Batteries.
 Part No. 2730-21, Includes (1) Battery.
 Part No. 2730-20, Tool Only.

SPECIFICATIONS

Voltage: 18V
 Length: 16"
 Weight: 8 lbs
 LED Light: Yes
 Speed: 5,000 RPM
 Arbor Size: 5/8"
 Blade Guard: Magnesium
 Shoe: Magnesium
 Maximum Bevel Capacity: 50°

**M18 FUEL™ 4 1/2" / 5" GRINDER, PADDLE SWITCH NO-LOCK KIT**

•POWERSTATE™ Brushless Motor: Delivers maximum power and up to 10X longer motor life •REDLINK PLUS™ Intelligence provides optimized performance, electronic clutch, and overload protection using total system communication between tool, battery and charger •POWER TO GRIND: World's first cordless grinder with corded performance •DURABILITY: Same metal housing and gearing system as legendary high performance corded grinders •100% tool free: Make all accessory changes and guard adjustments without a wrench for increased productivity •Paddle-switch design: Provides increased comfort and ease-of-use when operating in various positions
 Includes: Grinder, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Carrying Case, Flange Nuts, Wheel Guard, and Spanner Wrench
 Part No. 2780-22, Includes (2) Batteries.
 Part No. 2780-21, Includes (1) Battery.
 Part No. 2780-20, Tool Only.

SPECIFICATIONS

Voltage: 18V
 Length: 15"
 Weight: 5.8 lbs
 Switch Type: Paddle No-Lock
 Speed: 8,500 RPM
 Trigger Lock: No
 Arbor Size: 5/8"-11

**M18 FUEL™ 4 1/2" / 5" GRINDER, SLIDE SWITCH LOCK-ON KIT**

•POWERSTATE™ Brushless Motor: Delivers maximum power and up to 10X longer motor life •REDLINK PLUS™ Intelligence provides optimized performance, electronic clutch, and overload protection using total system communication between tool, battery and charger •POWER TO GRIND: World's first cordless grinder with corded performance •DURABILITY: Same metal housing and gearing system as legendary high performance corded grinders •100% tool free: Make all accessory changes and guard adjustments without a wrench for increased productivity •Slide switch: Reduces user fatigue
 Includes: Grinder, (2) M18™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Multi-Voltage Charger, Carrying Case, Flange Nuts, Wheel Guard, and Spanner Wrench
 Part No. 2781-22, Includes (2) Batteries.
 Part No. 2781-21, Includes (1) Battery.
 Part No. 2781-20, Tool Only.

SPECIFICATIONS

Voltage: 18V
 Length: 15"
 Weight: 5.8 lbs
 Switch Type: Slide with Lock-On
 Speed: 8,500 RPM
 Trigger Lock: Yes
 Arbor Size: 5/8"-11

**M18 Cordless Power Tools****M18™ 1/2" HAMMER DRILL/DRIVER KIT**

•Milwaukee® 4-Pole Frameless Motor: Features a robust design combined with rare-earth magnets for longer life, best-in-class 0-400/0-1,800 RPM •Compact Design: Allows greater accessibility in tight work spaces •All-Metal Gear Case and Chuck: Provide maximum impact and shock durability
 •REDLINK™ Intelligence: Advanced overload protects the tool against abusive situations and provides maximum life
 Includes: M18™ Compact 1/2" Hammer Drill/Driver, Multi-Voltage Charger, and Carrying Case
 Part No. 2607-22, Comes with (2) M18™ REDLITHIUM™ XC Extended Capacity Batteries.
 Part No. 2607-22CT, Comes with (2) M18™ REDLITHIUM™ Compact Batteries.
 Part No. 2607-20, Tool only.

**SPECIFICATIONS**

Voltage: 18V
 Speed: 0-400/ 0-1,800 RPM
 Peak Torque: 2607-22/ 525 in-lbs ; 2607-22CT/ 500 in-lbs
 Chuck Type: 1/2" Metal Single Sleeve - Ratcheting Lock
 Height: 7-3/5"
 Length: 7-3/4"

M18™ CORDLESS 5/8" SDS PLUS ROTARY HAMMER KIT

•Powerful 18-volt motor: Delivers 0-1,300 RPM and 0-7,000 BPM •2-Mode operation: Choose rotary hammer or rotation only for added versatility •LED light: Illuminates dark work spaces
 Includes: Rotary Hammer, M18™ REDLITHIUM™ XC Extended Capacity Battery, Multi-Voltage Charger, Carrying Case, Depth Rod, and Side Handle
 Part No. 2612-22, Includes (2) Batteries.
 Part No. 2612-21, Includes (1) Battery.
 Part No. 2612-20, Tool Only.

SPECIFICATIONS

Voltage: 18V
 Length: 12"
 Weight: 5.5 lbs
 No Load Speed: 0-1,300
 Blow Energy: 1 ft.-lb
 BPM: 0-7,000
 Solid Bit Capacity: 5/8"

**M18™ HACKZALL® RECIP SAW KIT**

•One-handed design provides superior control & versatility over a standard reciprocating saw •Compact size allows for cutting in tight spaces, and light weight makes overhead work easier
 QUICK-LOCK® Blade Clamp offers fast, easy tool free blade changes for SAWZALL® Blades and HACKZALL® Blades
 •Built-In LED light illuminates the work surface while cutting
 •Compatible with M18™ XC High Capacity RED LITHIUM™ Batteries and M18™ Compact RED LITHIUM™ Batteries
 Includes: Recip Saw, (1) M18™ REDLITHIUM™ XC Extended Capacity Battery, Multi-Voltage Charger, and Contractor Bag
 Part No. 2625-21.
 Part No. 2625-20, Tool Only.

SPECIFICATIONS

Voltage: 18V
 Keyless Blade Clamp: Yes

**M18™ CORDLESS LITHIUM-ION MULTI-TOOL KIT**

•Powerful motor: Delivers 11,000 to 18,000 OPM •All-metal gear case: Provides added jobsite durability •Tool-free blade change: Offers faster changes and no tools to misplace •Built-in LED light: Illuminates dark work spaces
 Includes: Multi-Tool, (2) M18™ REDLITHIUM™ XC Extended Capacity Battery, Multi-Voltage Charger, Adapter, (5) Assorted Sanding Sheets, Contractor Bag, Sanding Pad, and Wood Cutting Blade
 Part No. 2626-22.
 Part No. 2626-20, Tool only.

SPECIFICATIONS

Voltage: 18V
 Length: 14"
 Weight: 4.15 lbs

**DUST EXTRACTION KIT**

For use with the M18™ Multi-Tool, the Dust Extraction Kit is designed to help keep your work area clean during sanding applications and reduce clean up time. The dust extractor fits onto a 1-1/4" vacuum hose for easy dust collection.

Includes: (5) 120 Grit Sanding Sheet, (5) 60 Grit Sanding Sheet, (5) 80 Grit Sanding Sheet, Dust Extractor, and Sanding Pad
 Part No. 49-90-2400.

**DEPTH STOP**

For use with the M18™ Multi-Tool, the Depth Stop is designed to give users the confidence to complete plunge cuts in drywall, wood, flooring and other materials without worrying about damaging covered or unseen materials.

Part No. 49-90-2410.



M18 Cordless Power Tools & Batteries



M18™ CORDLESS 2-SPEED GREASE GUN KIT

•Industry leading 10,000 PSI max operating pressure •Industry leading max flow-rate of up to 10 oz. / minute •New to world precision through Pre-set grease counter dial
48" flexible hose offers greater access to difficult to reach fittings •Air bleeder valve for quick priming •Lock-on / Lock-off trigger delivers added user convenience
Includes: Grease Gun, 48" Flex Hose w/ Spring Guard, M18™ REDLITHIUM™ Compact Battery, Multi-Voltage Charger, High Pressure Grease Coupler, Hard Carrying Case, and Shoulder Strap
Part No. 2646-22CT, Includes (2) Batteries.
Part No. 2646-21CT, Includes (1) Battery.
Part No. 2646-20, Tool only.
Part No. 49-16-2646, 400g Clear Barrel.
Part No. 49-16-2647, 48" Replacement Hose with HP Coupler.

SPECIFICATIONS

Voltage: 18V
Length: 15"
Weight: 8.5 lbs
PSI: 10,000 PSI
Run Time: Up to 10 Grease Cartridges per Charge
Hose Length: 48"



M18™ REDLITHIUM™ XC EXTENDED CAPACITY BATTERY

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions
Part No. 48-11-1828.
Part No. 48-11-1822, Pack of 2.



M18™ REDLITHIUM™ XC 4.0 EXTENDED CAPACITY BATTERY

Delivers up to 2X more runtime, 20% more power and 2X more recharges than standard lithium-ion batteries.
•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions
Part No. 48-11-1840.



M18™ JOBSITE RADIO/CHARGER

•Built-In Charger: Quick, convenient charging of all M18™ batteries •Exclusive Digital Bluetooth® Receiver: Streams audio wirelessly from over 100 ft. away •USB Power Port: 50% faster device charging, plugged in or on the go •Premium Speakers and 40-Watt Amplifier: Produce a rich, full sound •Customizable Equalizer and 10-Station Preset: Delivers personalized, enhanced sound •Reinforced Roll Cage and Metal Handles: Protects against abusive jobsite conditions •Weather-Sealed Compartment: Offers on-board protection for small belongings and a smart phone •On-Board Bottle Opener: For convenience on and off the jobsite
Part No. 2792-20.



M18™ REDLITHIUM™ COMPACT BATTERY

Delivers more runtime, power and speed than standard lithium-ion batteries.
•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions
Part No. 48-11-1815.
Part No. 48-11-1811, Pack of 2.



M18™ REDLITHIUM™ 2.0 COMPACT BATTERY

Delivers up to 2X more runtime, 20% more power and 2X more recharges than standard lithium-ion batteries.
•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions
Part No. 48-11-1820.



M18™ SIX PACK SEQUENTIAL CHARGER

The M18™ Six Pack Sequential Charger offers a compact design, integrated hang holes for vertical mounting, and a pass through plug to conserve outlet space. The new unit will charge M18™ compact batteries in 30 minutes and extended capacity (XC) batteries in 60 minutes. With this new six pack charger, users can reduce the amount of time spent changing out batteries, increasing productivity on the jobsite.
Part No. 48-59-1806.



M12 Fuel Cordless Power Tools

M12 FUEL™ 1/4" IMPACT WRENCH KIT

•POWERSTATE™ Brushless Motor: Delivers up to 500 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger •DRIVE CONTROL™: Two fastening modes provide variable power and speed for precision work and heavy duty applications
Includes: Impact Wrench, (2) M12 REDLITHIUM™ 2.0 Compact Battery Pack, Battery Charger, Belt Clip, and Carrying Case
Part No. 2452-22.
Part No. 2452-20, Tool only.

SPECIFICATIONS
Voltage: 12V
Length: 5 1/2"
Peak Torque: 500 in-lbs
No Load Speed: 0-2,650 RPM
No Load IPM: 0-4,000



M12 FUEL™ 1/4" HEX IMPACT DRIVER KIT

•POWERSTATE™ Brushless Motor: Delivers up to 1,200 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger •DRIVE CONTROL™: Two fastening modes provide variable power and speed for precision work and heavy duty applications
Includes: Hex Impact Driver, (2) M12 REDLITHIUM™ 2.0 Compact Battery Pack, Battery Charger, Belt Clip, and Carrying Case
Part No. 2453-22.
Part No. 2453-20, Tool only.

SPECIFICATIONS
Voltage: 12V
Length: 6"
Peak Torque: 1,200 in-lbs
No Load Speed: 0-2,650 RPM
No Load IPM: 0-3,550



M12 FUEL™ 3/8" IMPACT WRENCH KIT

•POWERSTATE™ Brushless Motor: Delivers up to 1,400 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger •DRIVE CONTROL™: Two fastening modes provide variable power and speed for precision work and heavy duty applications
Includes: Impact Wrench, (2) M12 REDLITHIUM™ 2.0 Compact Battery Pack, Battery Charger, Belt Clip, and Carrying Case
Part No. 2454-22.
Part No. 2454-20, Tool only.

SPECIFICATIONS
Voltage: 12V
Length: 6 1/2"
Peak Torque: 117 ft-lbs (1,400 in-lbs)
No Load Speed: 0-2,650 RPM
No Load IPM: 0-3,500



**M12 FUEL™ 1/2" DRILL/DRIVER**

•POWERSTATE™ Brushless Motor: Delivers up to 350 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger

Includes: Drill/Driver, (1) M12 REDLITHIUM™ 2.0 Compact Battery Pack, (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Battery Charger, Belt Clip, and Carrying Case

Part No. 2403-22.

Part No. 2403-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 7.75"
Peak Torque: 350 in-lbs
Chuck Type: 1/2" Metal Single Sleeve - Ratcheting Lock
Speed: 0-450/0-1,700 RPM

**M12 FUEL™ 1/2" HAMMER DRILL/DRIVER**

•POWERSTATE™ Brushless Motor: Delivers up to 350 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger

Includes: Hammer Drill/Driver, (1) M12 REDLITHIUM™ 2.0 Compact Battery Pack, (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Battery Charger, Belt Clip, and Carrying Case

Part No. 2404-22.

Part No. 2404-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 7.75"
Peak Torque: 350 in-lbs
BPM: 0-25,500
Chuck Type: 1/2" Metal Single Sleeve - Ratcheting Lock
Speed: 0-450/0-1,700 RPM

**M12 FUEL™ 1/4" HEX 2-SPEED SCREWDRIVER KIT**

•POWERSTATE™ Brushless Motor: Delivers up to 325 in-lbs of peak torque with maximum sustained torque to complete a variety of applications •REDLINK Plus™ Intelligence: The most advanced system of cordless power tool electronics. Provides optimized performance and overload protection using total system communication between tool, battery and charger

Includes: Screwdriver, (2) M12 REDLITHIUM™ 2.0 Compact Battery Pack, Battery Charger, Belt Clip, and Hard Carrying Case

Part No. 2402-22.

Part No. 2402-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Weight: 2.0 lbs
No Load Speed: 0-450/0-1,700
Torque: 325 in-lbs
Chuck Size: 1/4" Quick Change Hex
Speed: 2 Speed
Trigger Lock: Yes
Capacity in Steel: 1/2"

**M12 FUEL™ 5/8" SDS PLUS ROTARY HAMMER KIT**

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger up to 5/8" holes in poured concrete and masonry •Powerful 12-volt motor: Delivers 0-900 RPM and 0-6,200 BPM for superior performance •Compact, lightweight design: Allows you to work comfortably in tight spaces and all day •2-Mode operation: Choose rotary hammer or rotation only for maximum versatility •LED light: Illuminates the work surface

Includes: Rotary Hammer, (2) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Battery Charger, and Plastic Carrying Case

Part No. 2416-22XC.

Part No. 2416-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 10"
Weight: 3.9 lbs
No Load Speed: 0-900

BPM: 0-6,200
Solid Bit Capacity: 5/8"
Drilling Mode: Rotary Hammer and Rotation Only

**M12 FUEL™ HACKZALL® RECIP SAW KIT**

•One-handed design provides superior control & versatility over a standard recip saw •Compact size allows for cutting in tight spaces, and light weight makes overhead work easier •POWERSTATE™ Brushless Motor Supplies constant power for faster cuts and reduced heat for extended life •REDLINK PLUS™ Intelligence Provides optimized performance and overload protection using total system communication between tool, battery and charger

Includes: Recip Saw, (1) M12™ REDLITHIUM™ XC 4.0 Extended Capacity Battery Pack, Battery Charger, Contractor Bag, and Multi-material Blade

Part No. 2520-21XC.

Part No. 2520-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 13.25"
Weight: 4.1 lbs
Stroke Length: 5/8"
Keyless Blade Clamp: Yes (QUICK-LOK® Universal)
SPM: 0-3,000

**M12™ 1/4" IMPACT WRENCH KIT**

•Lightweight, compact design allows for fastening in tight space •New ergonomic handle design for increased comfort •On-board battery fuel gauge displays remaining run time •1/4" anvil with friction ring for fast and easy socket changes

Includes: Impact Wrench, (2) M12™ REDLITHIUM™ Battery, Battery Charger, Belt Clip, and Carrying Case

Part No. 2461-22.

Part No. 2461-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 6"
Weight: 2.1 lbs
Anvil Size and Type: 1/4" Inch Square - Friction Ring
No Load RPM: 0-3,800
Height: 7-1/2"
No Load RPM: 0-2,500
Torque: 450 in-lbs

**M12™ CORDLESS LITHIUM-ION 1/2" SDS-PLUS ROTARY HAMMER KIT**

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Electro-pneumatic mechanism: Drills up to 1/2" holes in poured concrete and masonry •Powerful 12-volt motor: Delivers 0-800 RPM and 0-5,300 BPM for superior performance •Compact, lightweight design: Allows you to work comfortably in tight spaces and all day •2-Mode operation: Choose rotary hammer or rotation only for maximum versatility •LED Light: Illuminates the work surface

Includes: Rotary Hammer, (2) M12™ XC High Capacity REDLITHIUM™ Battery, Battery Charger, and Carrying Case

Part No. 2412-22XC.

Part No. 2412-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 9"
No Load Speed: 0-800
BPM: 0-5,350
Trigger Lock: No
Solid Bit Capacity: 1/2"
Drilling Mode: 2-Mode: Rotary Hammer and Rotation Only

**M12™ CORDLESS LITHIUM-ION ROTARY TOOL KIT**

•Powerful 12-volt motor: Delivers 5,000-32,000 RPM for superior speed and performance under load •Unique Milwaukee design: Delivers up to 10X the tool life with grinder-style exhaust ports and front bearing protection •Variable-speed dial: Offers fluid control •1/8" Collet: Accommodates all 1/32" - 1/8" shank accessories for thousands of applications •Compact, lightweight design: Allows you to work comfortably in tight spaces and all day

Includes: Rotary Tool, (1) M12™ REDLITHIUM™ Battery, Battery Charger, Cutting Wheels, Mandrel, Wrench, and Contractor Bag

Part No. 2460-21.

Part No. 2460-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 9 3/4"
Weight: 1.3 lbs
No Load RPM: 5,000-32,000





M12 Cordless Power Tools

M12™ 600 MCM CABLE CUTTER KIT

•Powerful open jaws: Cut effortlessly through 600 MCM copper and 750 MCM aluminum •Superior blade geometry: Delivers a round and installation-ready cut •Breakthrough ratcheting mechanism: Fits into tight panels for more effective cutting •Auto release lever: Cut, reload and quickly repeat for maximum productivity •2-Speed gear box: Delivers power for large cables and speed for common smaller cables •Built-in LED light: Illuminates the line of cut
Includes: Cable Cutter, (1) M12™ XC High Capacity REDLITHIUM™ Battery, Multi-Voltage Charger, and Carrying Case
Part No. 2472-21XC.
Part No. 2472-20, Tool Only.

SPECIFICATIONS

Voltage: 12V
Length: 10½"
Weight: 6 lbs
Blade: M12 600 MCM Cable Cutter
Replacement Blade



M12™ CORDLESS SUB-COMPACT BAND SAW KIT

•One-Handed Cuts: Most compact size and lightest weight of any cordless band saw •Powerful Motor: Cuts ¾" EMT in 3 seconds, up to 150 cuts per charge with the XC battery •1-5/8" Cut Capacity: For a wide range of applications •Meets OSHA Guarding Requirements: Suitable for One-Handed use •LED Light: Highlights the cut line •Blade Tension Adjustment
Adjustable blade tracking
Includes: 18 TPI Sub-Compact Band Saw Blade, Band Saw, (1) M12™ XC High Capacity REDLITHIUM™ Battery, Battery Charger, and Carrying Case
Part No. 2429-21XC.
Part No. 2429-20, Tool Only.

SPECIFICATIONS

Voltage: 12V
Length: 11"
SFPM: 280
Blade Length: 27" x 1/2" x .020"



M12™ 100Z. CAULK & ADHESIVE GUN KIT

The M12™ Caulk and Adhesive Gun is the lightest, most compact cordless powered caulk gun on the market today. With up to 400 lbs. of pushing force the M12™ Caulk Gun easily dispenses everyday construction sealants and adhesives. The combination Variable Speed Trigger and Max-Speed dial allow for total application speed control. The 360 degree Rotating Collar delivers maximum control around turns. The tool also features auto-reversing anti-drip, a seal puncture tool and durable hang hook for versatility on the job. Powered by the revolutionary M12 REDLITHIUM™ Battery, the M12 Caulk Gun will dispense up to 150 10oz. tubes of building sealant on one charge.
Includes: Caulk and Adhesive Gun Bare Tool, 12V 10 oz Conversion Kit, (1) M12™ REDLITHIUM™ Battery, and Battery Charger
Part No. 2441-21.
Part No. 2441-20, Tool only.

SPECIFICATIONS

Voltage: 12V
Length: 26½"
Weight: 4.11 lbs



LASER TEMP-GUN™ M12™ CORDLESS LITHIUM-ION THERMOMETER

•Infrared Surface Temperature Measurement from -30 to 800°C (-22 to 1472°F) •Contact Surface Temperature Measurement from -40 to 550°C (-40 to 1022°F) •40:1 Distance to Spot Ratio. Measures a one foot spot from 40 ft. away. •High Contrast, White on Black Display with Backlight for easy reading •Extra Bright LED Floodlight increases usability in low light conditions •User Configurable Hi/Low Alarm Settings •Adjustable emissivity from 0.10 to 1.00 for increased accuracy •Unit Memory stores up to 20 temperature values •Lockable Trigger for tester to continue measuring
Part No. 2276-20.

Part No. 2276-20NST, Includes a NIST Certificate of Calibration with Data, needed by many organizations as proof of calibration with the date when NIST Calibration was performed.

SPECIFICATIONS

Temperature Range: -30°C to 800°C (-22° to 1472°F)
Distance to Spot Ratio: 40 to 1
Basic Accuracy: 1.50%
Response Time: <500ms
Emissivity: Adjustable, Built-in table 0.10 to 1.00 by 0.01
Data Storage: Yes
Display Type: High Contrast White on Black
Alarm Hi Lo: Yes
Voltage: 12V
Switch Type: Trigger



LASER TEMP-GUN™ M12™ CORDLESS LITHIUM-ION THERMOMETER KIT

•Infrared Surface Temperature Measurement from -30 to 800°C (-22 to 1472°F) •Contact Surface Temperature Measurement from -40 to 550°C (-40 to 1022°F) •40:1 Distance to Spot Ratio. Measures a one foot spot from 40 ft. away. •High Contrast, White on Black Display with Backlight for easy reading •Extra Bright LED Floodlight increases usability in low light conditions •User Configurable Hi/Low Alarm Settings •Adjustable emissivity from 0.10 to 1.00 for increased accuracy •Unit Memory stores up to 20 temperature values •Lockable Trigger for tester to continue measuring
Includes: Laser TEMP-GUN™, (1) M12™ REDLITHIUM™ Battery, Battery Charger, Carrying Case, and Manual
Part No. 2276-21.

Part No. 2276-21NST, Includes a NIST Certificate of Calibration with Data, needed by many organizations as proof of calibration with the date when NIST Calibration was performed.

SPECIFICATIONS

Temperature Range: -30°C to 800°C (-22° to 1472°F)
Distance to Spot Ratio: 40 to 1
Basic Accuracy: 1.50%
Contact Temperature: -40°C to 550°C (-40°F to 1022°F)
Display Resolution: 0.1°C (0.1°F)
Response Time: <500ms
Emissivity Adjustable: 0.10 to 1.00
MIN MAX AVG DIF: Yes
Locking Trigger: Yes
Switch Type: Trigger



SUB-SCANNER™ M12™ DETECTION TOOL KIT

•Measures Depth and Location of Rebar Up To 6" Through Concrete •Detects Location of Wood and Metal Studs •Differentiates Between Steel (Ferrous) and Copper or Aluminum (Non-Ferrous) Metals •Intuitive user interface displays stud centers and edges •High contrast white on black display and backlight for easy reading •Rugged over-molding improves durability and user grip •One button calibration for all surfaces
Includes: Detection Tool, (1) M12™ REDLITHIUM™ Battery, Battery Charger, Carrying Case, and Manual
Part No. 2291-21.
Part No. 2291-20, Tool only.

SPECIFICATIONS

Display Resolution: 0.5"
Scanning Depth - Stud Mode: 1½"
Scanning Depth - Metal Mode: 6"
Accuracy - Stud Center: 1/4"
Accuracy - Metal Center: 1/2"
Switch Type: On/Off Button



M12™ LED STICK LIGHT

•Powerful 3-LED Design •Multi-Position Stainless Steel Hook •Over 4+ Hours of Run-time
•220 Lumens - Bright, Smooth, Even Beam
•Impact Resistant/Replaceable Lens
Part No. 2351-20.



**M12™ REDLITHIUM™ BATTERY**

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions •Versatility: Powers Milwaukee M12™ cordless power tools

Part No. 48-11-2401.

Part No. 48-11-2411, Pack of 2.

**M12 REDLITHIUM™ 2.0 COMPACT BATTERY**

Delivers up to 2X more runtime, 20% more power and 2X more recharges than standard lithium-ion batteries.

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions •Versatility: Powers all Milwaukee M12™ cordless power tools

Part No. 48-11-2420.

**M12™ XC HIGH CAPACITY REDLITHIUM™ BATTERY**

•High current discharge - increased power and performance (Not compatible with #2320-21) •REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions •Versatility: Powers Milwaukee M12™ cordless power tools

Part No. 48-11-2412, Pack of 2.

**M12™ REDLITHIUM™ XC 4.0 EXTENDED CAPACITY BATTERY**

Delivers up to 2X more runtime, 20% more power and 2X more recharges than standard lithium-ion batteries.

•REDLINK™ Intelligence: Provides optimized performance and overload protection using total system communication between tool, battery and charger •Best-in-class construction: Offers long-lasting performance and durability •Fuel gauge onboard: Displays remaining runtime for less downtime on the job •All-weather performance: Delivers fade-free power in extreme jobsite conditions •Powers all Milwaukee M12™ cordless power tools

Part No. 48-11-2440.



Corded Power Tools

3/8" CLOSE QUARTER ANGLE DRILL

•3.5-amp motor: Produces up to 1300 RPM with reverse •Metal frame gear train: Provides longer service life •Textured palm grip: Offers comfort, control and reduces slippage •Angle cord exit: Keeps the durable 8 ft. fixed rubber cord out of the work area

Part No. 0370-20.

SPECIFICATIONS

Length: 11"
Weight: 3.9 lbs
Voltage: 120V AC
Cord Type: 8' Fixed
No Load RPM: 0-1,300
Amps: 3.5
Spindle: 1/2"-20
Capacity in Steel: Twist bit 3/8"
Chuck Size: 3/8"
Chuck Type: Keyed

**1/2" SUPER HAWG™ WITH CARRYING CASE**

•Powerful 13.0-amp motor: Delivers 450 RPM - 1,750 RPM with a clutch in low gear •Roto-Lok® handle: Features 90° left-right rotations for maximum comfort in all applications •Reinforced nylon resin casing: Provides durability and less weight than metal with greater heat dissipation and resistance to chemicals

Part No. 1680-21.

SPECIFICATIONS

Length: 22"
Weight: 14.7 lbs
Voltage: 120V AC
Cord Type: 8' Fixed
No Load RPM: 450-1,750
Amps: 13
Spindle: 5/8"-16
Capacity in Steel: Twist Bit 1/2"
Capacity in Wood: Auger 1-1/2"|Self-Feed 4-5/8"
Chuck Size: 1/2"
Chuck Type: Keyed
Gear Train: Triple



Industrial Oils

76 SUPER MOTOR OIL

Conventional Passenger Car Engine Oil

High-quality, conventional engine oil designed for use in gasoline-fueled passenger cars and light trucks that do not require an ILSAC GF-4 oil for warranty coverage. Formulated to provide excellent wear protection, to minimize the formation of sludge and varnish, and to resist viscosity and thermal breakdown, even in severe service. It also protects against rust and bearing corrosion, and has good foam resistance.

*Denotes Super Synthetic Blend motor oil — these products exceed ILSAC GF-5 requirements. API SN SL GF-5.

†Denotes API SL SJ.

‡Denotes API SM SL.

PART NO.	GRADE	SIZE
SUP-30-1†	SAE 30	0.946 litre
SUP-40-1†	SAE 40	0.946 litre
SUP-0/20-1*	SAE 0W-20	0.946 litre
SUP-0/20-205*	SAE 0W-20	205 litre
SUP-5/20-1*	SAE 5W-20	0.946 litre
SUP-5/20-205*	SAE 5W-20	208 litre
SUP-5/20-B*	SAE 5W-20	bulk
SUP-5/30-1*	SAE 5W-30	0.946 litre
SUP-5/30-20*	SAE 5W-30	18.92 litre
SUP-5/30-205*	SAE 5W-30	208 litre
SUP-5/30-B*	SAE 5W-30	bulk
SUP-10/30-1*	SAE 10W-30	0.946 litre
SUP-10/30-20*	SAE 10W-30	18.92 litre
SUP-10/30-205*	SAE 10W-30	208 litre
SUP-10/30-B*	SAE 10W-30	bulk
SUP-10/40-1†	SAE 10W-40	0.946 litre
SUP-10/40-205‡	SAE 10W-40	208 litre



VERSATRANS® LV ATF

VersaTrans LV ATF is a full-synthetic, low-viscosity (LV) transmission fluid approved for use in passenger car and light truck automatic transmissions that require a Ford MERCON® LV or GM DEXRON® -VI fluid. It also is recommended for use in Toyota vehicles where a Type WS fluid is specified, and in many newer import vehicles. VersaTrans LV ATF is specifically engineered to help ensure long service life and to provide consistent shift performance for the life of the fluid, as well as better shift performance under extreme operating conditions. It is highly shear stable and has excellent oxidation resistance for long fluid life. It provides excellent anti-shudder performance and has excellent low-temperature properties for easier shifting in cold weather. The low-viscosity fluid results in less frictional drag (churning loss) for improved transmission efficiency, thereby offering the potential for improved fuel economy performance.

PART NO.	SIZE
ATF-LV-1	0.946 litre
ATF-LV-205	205 litre

CVT FLUID

CVT Fluid is a premium quality, full-synthetic transmission fluid specifically designed for use in passenger cars with belt-driven continuously variable transmissions. It has been specifically engineered to have the unique frictional properties required for use in this type transmission. CVT Fluid has carefully balanced frictional properties to protect against belt slippage and wear while also providing excellent anti-shudder performance. It has high shear stability and excellent oxidation resistance for long service life. It helps protect against sludge and varnish formation, and has excellent low-temperature properties for easier shifting in cold weather. The synthetic formulation provides enhanced performance benefits at extreme temperatures compared with conventional, all-mineral transmission fluids.

PART NO.	SIZE
ATF-CVT-1	0.946 litre
ATF-CVT-205	205 litre



QUAKER STATE®



Motor Oils

Ultimate Durability™ FULL SYNTHETIC MOTOR OIL

Quaker State® has an easy way to help improve your fuel economy. The new Quaker State® Ultimate Durability™ Full Synthetic Motor Oil helps save an average of 2¢ per litre of gas. Demand more from your motor oil. Quaker State® Ultimate Durability™ Full Synthetic Motor Oil not only helps improve fuel economy. It's also a weapon against engine wear — no other leading synthetic motor oil provides better protection from friction-related wear.

Why should you trade up to Quaker State® Ultimate Durability™ Full Synthetic Motor Oil?

- Helps save an average of 2¢ per litre of gas
- Unsurpassed wear protection
- Superior lubrication flow and pumpability in below-freezing weather
- Improved resistance to engine stress at high engine speeds and under heavy loads
- Superior resistance to thermal and viscosity breakdown
- High resistance to oxidation, keeping the oil from breaking down
- Excellent protection against the formation of sludge and other harmful deposits
- Provides consistent rust protection

PART NO.	GRADE	SIZE
550036723	SAE 5W-30	946 ml
550036734	SAE 5W-30	5 litre



QUA/3327

**SUPER GREEN KING - STRIKER®**

•High visibility impact patch •Excellent grip in oil based applications •Highest level of comfort and dexterity among impact gloves •3/8" back hand impact protection •Withstands multiple washings •Heavy cotton fleece keeps hands warm in cold conditions and wicks moisture in warm conditions •The most recommended glove in the drilling industry by workers
Part No. SGK-STR.

**SPLINTER OUT™**

Use the sterile point to gently loosen the skin above and around the splinter until the splinter can be lifted out. Surface skin has few nerve endings and can be gently picked away, exposing the splinter with minimum discomfort. Full instructions appear on the back of each card and individual wrapper.

Part No. F6106702, Pack of 2.

Part No. F6106710, Pack of 10.

SILICONE CHARGE AIR COOLER HOSE (CAC) — RED — HOT SIDE

For superior connection between engine mounted charge air systems components. Ideal for handling slight misalignments and isolating vibrations between hose ends. Flexfab charge air hose is built with 4 plies of DuPont Nomex® — iron oxide red. Hot side 260°C maximum operating temperature.

Part No.	I.D.	O.D.	Length	Stainless Steel Rings	Max. Oper. Pressure
7731-0001	3"	3.28"	6"	2	60 psi
7732-0001	3.5"	3.73"	6"	3	55 psi
7715-0002	4"	4.23"	6"	3	50 psi
7727-0001	4"	4.23"	8"	3	50 psi
7723	4"	4.23"	6"	2	50 psi
7728	4"	4.23"	7.5"	3	50 psi
7742-0001	4.5"	4.73"	6"	3	45 psi
7797	5"	5.23"	6"	3	35 psi

**CONVOLUTED REDUCERS (CAC) — RED — HOT/COLD SIDE**

Can be used on both hot side and cold side of the CAC system.

Construction: 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings

Temperature range: -54°C to 260°C (-65°F to 500°F)

Applications: Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold

Part No.	I.D.	O.D.	Length	Stainless Steel Rings	Max. Oper. Pressure
7868	2.50"/3.00"	2.73"/3.23"	4.00	None	40
7726	3.00"/3.50"	3.23"/3.73"	5.00	2	55
7766	3.00"/4.00"	3.23"/4.23"	6.30	2	50
7880	3.50"/4.00"	3.73"/4.23"	6.00	2	50
7866	4.00"/4.50"	4.23"/4.73"	7.00	3	45

**90° SILICONE ELBOWS — BLUE**

Part No.	I.D.	O.D.	Leg Length	Bend Radius	Burst Pressure
7884-200	2.00"	2.32"	6.00"	4.00"	200
7884-225	2.25"	2.57"	6.00"	3.38"	175
7884-250	2.50"	2.82"	6.50"	3.75"	150
7884-275	2.75"	3.07"	7.00"	4.13"	125



Nøsted Kjetting a.s

**"SNUBBER" CHAIN TENSIONERS**

•The center ring is coated steel, less fear of breaking under heavy load •An extra ingredient is added to the rubber so that it maintains elasticity to -25°C, this minimizes breakage and maintains tension •The legs float on the center ring and can be folded together making packing and storage convenient

Part No. 350108, Medium for light truck, 16" to 20", Red.

Part No. 350109, Large for heavy truck, 21" to 24.5", Blue.

Seals

Scotseal® PlusXL

The premium seal in the Scotseal® family of products from SKF, the Scotseal® PlusXL is synthetic lubrication – friendly and offers better dirt exclusion than any other seal on the market. A specially formulated elastomeric material allows the Scotseal® PlusXL to withstand extreme heat and cold, providing a whole new level of performance and endurance. The Scotseal® PlusXL offers fleet managers the convenience of hand installation.

Scotseal® PlusXL	Scotseal® Classic	Inner Cup & Cone	Outside Cup & Cone	Interchangeable with National:
45157	45160	592A/594	572/580	370021A
47692/47691*	47697			370003A



*Narrow OE Version



GDX



GDX/3231/3234/3238/3246

Air Brake System

CR/SKF TURBO-2000 AIR DRYER

Part No. 620602X, 12V.
Part No. 620606X, 24V.



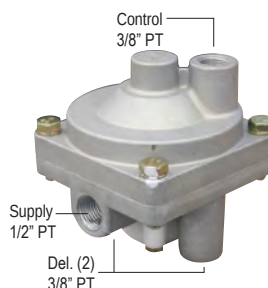
D-2 GOVERNOR

High temperature and waterproof. Cut-in: 105 psi; Cut-out: 125 psi.
Part No. 284358.
Part No. 236577, Mounting Gasket.



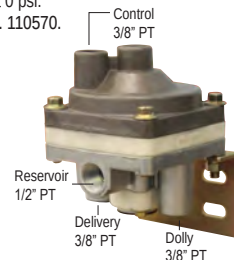
SERVICE RELAY VALVE - 2 DELIVERY

Part No. 110410, Crack at 4 psi.



CONTROL LINE VALVE - DOLLIES & TURNABLE AXLES

Crack at 0 psi.
Part No. 110570.



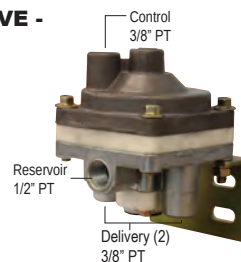
PUSH-PULL HAND CONTROL VALVE FOR SEALCO

•All ports (3) 1/4" PT
Part No. 17600.



CONTROL LINE VALVE - TRAILERS

Crack at 0 psi.
Part No. 110580.



Gunite Automatic Slack Adjusters

Gunite AUTOMATIC SLACK ADJUSTERS

Part No.	Spline	Arm Length
AS1132	1½ - 10	5½"
AS1133	1½ - 10	6"
AS1136	1¼ - 10	5½"
AS1140	1½ - 28	5½"
AS1141	1½ - 28	6"
AS1147	1½ - 10	6"



Gunite SLACK ADJUSTER PARTS

Part No. AS3016, Collar lock clevis (5/8") for Gunite.
Part No. AS3018, Extended collar lock clevis (5/8") for Gunite.
Part No. AS3019, Collar lock clevis (1/2") for Gunite.
Part No. AS4004, 6 large and 6 small pins, with cotter pins.



NOTES

[illegible]



ALBERTA

EDMONTON - Main

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Fax: (780) 409-2100

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