

BUILD



BEYOND



BOUNDARIES

PRODUCT GUIDE 2018

**CONDUIT PIPES • CONDUIT FITTINGS • FITTINGS FOR FLEXIBLE CONDUITS
METALLIC ELECTRICAL BOXES AND COVERS • CONDUIT BODIES
WEATHERPROOF BOXES AND COVERS • CHANNELS & SUPPORTS
METAL ENCLOSURES • CHANNELS AND SUPPORTS
CABLE TIES • ALUMINUM LUGS • TOOLS**



ELECTRICAL METALLIC TUBING (EMT)

Electro-galvanized

Trade Size		Nominal Outside Ø		Nominal Wall Thickness		Unit Length		Weight of 10 unit lengths (kg)
in.	mm.	in.	mm.	in.	mm.	mm.	ft.	
1/2	16	0.706	17.93	0.042	1.07	3050	10	12.95
3/4	21	0.922	23.42	0.049	1.25	3050	10	19.75
1	27	1.163	29.54	0.057	1.45	3050	10	29.00
1-1/4	35	1.510	38.35	0.065	1.65	3050	10	43.10
1-1/2	41	1.740	44.20	0.065	1.65	3050	10	49.95
2	53	2.197	55.80	0.065	1.65	3050	10	63.55



ANSI C80.3
UL 797

INTERMEDIATE METAL CONDUIT (IMC)

Hot-dipped galvanized inside and outside
Threaded at both ends with one coupling at one end, thread protector on the other.



Trade Size		Nominal Outside Ø		Nominal Wall Thickness		Unit Length			Weight of 10 unit lengths (kg)
in.	mm.	in.	mm.	in.	mm.	mm.	ft.	± 1/4 in.	
1/2	16	0.815	20.70	0.078	1.97	3030	9	11-1/4	28.12
3/4	21	1.029	26.14	0.083	2.10	3030	9	11-1/4	38.10
1	27	1.290	32.77	0.093	2.35	3025	9	11	53.98
1-1/4	35	1.638	41.59	0.095	2.41	3025	9	11	71.67
1-1/2	41	1.883	47.82	0.100	2.54	3025	9	11	88.00
2	53	2.360	59.93	0.105	2.67	3025	9	11	116.12
2-1/2	63	2.857	72.57	0.150	3.81	3010	9	10-1/2	200.04
3	78	3.476	88.29	0.150	3.81	3010	9	10-1/2	246.30
3-1/2	91	3.971	100.86	0.150	3.81	3005	9	10-1/4	285.31
4	103	4.466	113.44	0.150	3.81	3005	9	10-1/4	317.52



ANSI C80.6
UL 1242

RIGID STEEL CONDUIT (RSC)

Hot-dipped galvanized inside and outside
Threaded at both ends with one coupling at one end, thread protector on the other.



Trade Size		Nominal Outside Ø		Nominal Wall Thickness		Unit Length			Weight of 10 unit lengths (kg)
in.	mm.	in.	mm.	in.	mm.	mm.	ft.	± 1/4 in.	
1/2	16	0.840	21.34	0.104	2.64	3030	9	11-1/4	35.80
3/4	21	1.050	26.67	0.107	2.72	3030	9	11-1/4	47.60
1	27	1.315	33.40	0.126	3.20	3025	9	11	69.40
1-1/4	35	1.660	42.16	0.133	3.38	3025	9	11	91.20
1-1/2	41	1.900	48.26	0.138	3.51	3025	9	11	112.90
2	53	2.375	60.33	0.146	3.71	3025	9	11	150.60
2-1/2	63	2.875	73.03	0.193	4.90	3010	9	10-1/2	239.00
3	78	3.500	88.90	0.205	5.21	3010	9	10-1/2	309.60
4	103	4.500	114.30	0.225	5.72	3005	9	10-1/4	441.00



ANSI C80.1
UL 6

ELBOWS



ELECTRICAL METALLIC TUBING (EMT)
(1/2" - 2")



INTERMEDIATE METAL CONDUIT (IMC)
(1/2" - 4")



RIGID STEEL CONDUIT (RSC)
(1/2" - 4")

Trade Size (in.)	Min. Radius (r) to Center of Conduit (mm.)	Min. Straight Length L _s at Each End (mm.)
1/2	101.60	38.10
3/4	114.30	38.10
1	146.05	47.63
1-1/4	184.15	50.80
1-1/2	209.55	50.80
2	241.30	50.80
2-1/2	266.70	76.20
3	330.20	79.38
3-1/2	381.00	82.50
4	406.40	85.73

CONDUIT FITTINGS

LOCKNUT
Zinc Die-Cast

UL Listed
E475294



BUSHING
Zinc Die-Cast

UL Listed
E475294



INSULATED GROUNDING BUSHING
Zinc Die-Cast
(Al-Cu lay-in Lug)



CONDUIT CLAMPS
Rigid Steel Malleable Iron



IMC COUPLING
Steel



WATERTIGHT HUB
Zinc Die-Cast



REDUCING BUSHING
Zinc Die-Cast



SERVICE ENTRANCE CAP
Zinc Die-Cast



3-PIECE COUPLING
Malleable Iron



EMT CONNECTORS
Zinc Die-Cast

UL Listed
E475295



Set Screw Type



Compression Type

EMT COUPLINGS
Zinc Die-Cast

UL Listed
E475295



Set Screw Type



Compression Type

ETF COUPLING
Zinc Die-Cast



EMT to Flexible

LIQUIDTIGHT CONNECTORS
Zinc Die-Cast

UL Listed
E475294



Straight Type



Angle Type

BX CONNECTORS
Zinc Die-Cast



Straight Type



Angle Type



OCTAGONAL BOX

BOXES

EXTENSION RING

BLANK COVERS



CATALOG NO.	MGOB-1/2-3/4	MGOB-1/2	MGEROB-1/2-3/4	MGOCV
SIZE	4" x 4" x 2-1/8"	4" x 4" x 2-1/8"	4" x 4" x 1-1/2"	4" OCT - 1/2" K.O.
SIDE K.O.	(1) 1/2" or 3/4" Con.	(1) 1/2"	(1) 1/2", (1) 3/4"	N/A
END K.O.	(1) 1/2" or 3/4" Con.	(1) 1/2"	(1) 1/2", (1) 3/4"	N/A
BOTTOM K.O.	(2) 1/2" & (2) 3/4"	(2) 1/2" & (2) 3/4"	N/A	N/A
THICKNESS	Gauge 16	Gauge 16	Gauge 16	1.0 mm
VOLUME	34 cu. in.	34 cu. in.	N/A	N/A
GROUNDING	With Earth Grounding	With Earth Grounding	N/A	N/A

UTILITY BOX

BOXES

EXTENSION RINGS

BLANK COVER



CATALOG NO.	MGUB-1/2	MGUB-3/4	MGERUB-1/2	MGERUB-3/4	MGUCV
SIZE	4" x 2" x 2-1/8"	4" x 2" x 2-1/8"	4" x 2" x 1-7/8"	4" x 2" x 2-1/8"	(4" x 2") with screws
SIDE K.O.	(3) 1/2"	(2) 3/4"	(3) 1/2"	(2) 3/4"	N/A
END K.O.	(1) 1/2"	(1) 3/4"	(1) 1/2"	(1) 3/4"	N/A
BOTTOM K.O.	(2) 1/2"	(2) 3/4"	N/A	N/A	N/A
THICKNESS	Gauge 16	Gauge 16	Gauge 16	Gauge 16	1.0 mm
VOLUME	17 cu. in.	17 cu. in.	N/A	N/A	N/A
GROUNDING	With Earth Grounding	N/A	N/A	N/A	N/A

SQUARE BOX

BOXES

EXTENSION RINGS

BLANK COVERS

RAISED COVERS



CATALOG NO.	MGSB-1/2-3/4	MGSB1116-1/2-3/4	MGRSB-1/2-3/4	MGRSB1116-1/2-3/4	MGSCV	MGS1116CV	MGRC44	MGRC41116
SIZE	4" x 4" x 2-1/8"	4-11/16" x 4-11/16" x 2-1/8"	4" X 4" X 2-1/8"	4-11/16" X 4-11/16" X 2-1/8"	4" x 4"	4-11/16" x 4-11/16"	4" x 4"	4-11/16" x 4-11/16"
SIDE K.O.	(2) 1/2" or 3/4" Con.	(2) 1/2" or 3/4" Concentric	8-1/2" & 4-3/4"	8-1/2" & 4-3/4"	N/A	N/A	N/A	N/A
END K.O.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
BOTTOM K.O.	(2) 1/2" & (2) 3/4"	(2) 1/2" & (2) Concentric	N/A	N/A	N/A	N/A	N/A	N/A
THICKNESS	Gauge 16	Gauge 16	Gauge 16	Gauge 16	1.0 mm	1.0 mm	1.0 mm	1.0 mm
VOLUME	34 cu. in.	46.70 cu. in.	N/A	N/A	N/A	N/A	N/A	N/A
GROUNDING	With Earth Grounding	With Earth Grounding	With Earth Screws	With Earth Screws	N/A	N/A	N/A	N/A

3X3 SQUARE BOX



For European Wiring Devices
(Non UL Listed)

CATALOG NO.	MG3X3
SIZE	72 x 72 x 47mm
SIDE K.O.	(4) 1/2" & 3/4"
END K.O.	(2) 1/2" & 3/4"
BOTTOM K.O.	(2) 1/2" & (1) 3/4"
THICKNESS	1.0 mm
DESCRIPTION	With Bronze Terminal

CONDUIT BODIES



ALUMINUM DIE-CAST



C
Sizes: 1/2" - 2"



LB
Sizes: 1/2" - 4"



LR
Sizes: 1/2" - 4"



LL
Sizes: 1/2" - 2"



T
Sizes: 1/2" - 2"

MALLEABLE IRON

Finishes:
Body - Malleable Iron
Triple Coat Zinc Electroplate
Epoxy Powder Coat
Cover - Steel, Zinc Electroplate



C
Sizes: 1/2" - 2"



LB
Sizes: 1/2" - 3"



LR
Sizes: 1/2" - 2"



T
Sizes: 1/2" - 2"

WEATHERPROOF BOXES

ALUMINUM DIE-CAST



1 Gang 3 Holes
(1-Top, 1-Bottom, 1-Back)

CATALOG NO.	HUB SIZE
FSB50-3	1/2"
FSB75-3	3/4"



1 Gang 4 Holes
(1-Top, 2-Bottom, 1-Back)

CATALOG NO.	HUB SIZE
FSB50-4	1/2"
FSB75-4	3/4"



1 Gang 5 Holes
(2-Top, 2-Bottom, 1-Back)

CATALOG NO.	HUB SIZE
FSB50-5	1/2"
FSB75-5	3/4"



1 Gang 5 Holes
(1 on Each Side, 1-Back)

CATALOG NO.	HUB SIZE
FSB50-5X	1/2"
FSB75-5X	3/4"



4" Round Box

CATALOG NO.	HUB SIZE
BRD-4	1/2"
RB-7	3/4"



2 Gang 5 Holes
(2-Top, 2-Bottom, 1-Back)

CATALOG NO.	HUB SIZE
TGB50-5	1/2"
TGB75-5	3/4"



2 Gang 5 Holes
(1 on Each Side, 1-Back)

CATALOG NO.	HUB SIZE
TGB50-5X	1/2"
TGB75-5X	3/4"



2 Gang 7 Holes
(2-Top, 2-Bottom, 1 on Each Side, 1-Back)

CATALOG NO.	HUB SIZE
TGB50-7X	1/2"
TGB75-7X	3/4"



2 Gang 7 Holes
(3-Top, 3-Bottom, 1-Back)

CATALOG NO.	HUB SIZE
TGB50-7	1/2"
TGB75-7	3/4"



2 Gang 9 Holes
(3-Top, 3-Bottom, 1 on Each Side, 1-Back)

CATALOG NO.	HUB SIZE
TGB50-9	1/2"
TGB75-9	3/4"

WEATHERPROOF BOX COVERS



1 Gang Cover
Steel with Gasket



2 Gang Cover
Steel with Gasket



Round Cover
Steel with Gasket



Round Extension Ring
(4 Holes)
Hole Size: 1/2", 3/4"



1 Gang Flanged Ext. Ring
(4 Holes)
Hole Size: 1/2", 3/4"



Zinc Die-Cast
Size: 1/2", 3/4"

EXTENSION RINGS

CLOSURE PLUG

CHANNELS AND SUPPORTS



HALF-SLOT CHANNEL

Used to mount, brace, support or connect structural loads in building construction such as pipe pipes, conduits, ducts, and equipment.



SOLID CHANNEL

Used to mount, brace, support or connect structural loads in building construction such as pipe pipes, conduits, ducts, and equipment.

CHANNELS	DIMENSION	SLOT SIZE	SLOT SPACE	THICKNESS	FINISH
HALF-SLOT	1-5/8" x 1-5/8"	13/25" x 1-3/25"	2"	Ga.14	Hot-dipped Galvanized
	1-5/8" x 13/16"	13/25" x 1-3/25"	2"	Ga.14	Hot-dipped Galvanized
	1-5/8" x 1-5/8"	13/25" x 1-3/25"	2"	Ga.16	Pre-galvanized
	1-5/8" x 13/16"	13/25" x 1-3/25"	2"	Ga.16	Pre-galvanized
SOLID	1-5/8" x 1-5/8"	N/A	N/A	Ga.14	Hot-dipped Galvanized
	1-5/8" x 13/16"	N/A	N/A	Ga.14	Hot-dipped Galvanized
	1-5/8" x 1-5/8"	N/A	N/A	Ga.16	Pre-galvanized
	1-5/8" x 13/16"	N/A	N/A	Ga.16	Pre-galvanized



STRUT CLAMP

Designed to be twist inserted anywhere in the slot side of the channel.

Zinc Coated Steel

AVAILABLE SIZES

1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4"



CONDUIT HANGER

Used to secure and suspend conduit from overhead support. For IMC and EMT with bolt.

Zinc Coated Steel

AVAILABLE SIZES

1/2", 3/4", 1", 1-1/4", 1-1/2", 2"



CLAMPING NUT

Steel long spring nut used for C series channels and inserts.

Available in Electro-galvanized finish

SIZE	LENGTH	WIDTH	HEIGHT
3/8"	34.5mm	19mm	9.2mm
1/2"	34.5mm	19mm	9.2mm



HANGER ROD

Support hanging fixtures, channels, etc.

Available in Electro-galvanized finish

ROD LENGTH	ROD DIAMETER
10 ft (3 m)	1/4" Ø
10 ft (3 m)	3/8" Ø
10 ft (3 m)	1/2" Ø



BEAM CLAMP

Finish: Electro-galvanized (Gold Galv)

Material: Steel

HOLE SIZE	TORQUE	DESIGN LOAD	FLANGE THICKNESS
3/8"	11 in.-lbs	770 lbs (350 kg)	3/8" max
1/2"	18 in.-lbs	770 lbs (350 kg)	1/2" max

METAL ENCLOSURES

POWDER COATED

SINGLE LOCK



DOUBLE LOCK



DIMENSIONS in mm (H x W x D)	
SINGLE LOCK	DOUBLE LOCK
300 x 250 x 150	600 x 400 x 200
400 x 300 x 200	700 x 500 x 200
500 x 300 x 200	700 x 500 x 250
500 x 400 x 200	800 x 600 x 200
	800 x 600 x 250
	1000 x 800 x 300
	1200 x 800 x 300

Cabinet finish: Epoxy Polyester Coating
Color: RAL7032
Complies with IEC60529
IP66, Nema 4 and 12

STAINLESS STEEL



DIMENSIONS in mm (H x W x D)	
SINGLE LOCK	DOUBLE LOCK
300 x 250 x 150	600 x 400 x 200
400 x 300 x 200	700 x 500 x 250
500 x 400 x 200	

SS304 Stainless steel enclosure
Complies with IEC60529
IP66, Nema 4, 4X

ACCESSORIES



MGMB
Mounting bracket for enclosure with screw & bolts 1.9mm



White steel lock & metal key set

CABLE TIES



Nylon Type PA6.6, Class 94V-2
Operating temperature -35 to 85°C
Inside serration for strong hold
Sizes: 3-3/16" to 35-1/2"

UV PROTECTED CABLE TIES (BLACK)

- For extended life in outdoor applications
- Resistant to chemical, grease and oil-based products, and other environmental contaminants

STANDARD CABLE TIES (WHITE)

- For general purpose application

CABLE TIE MOUNT



NYLON TYPE PA6.6, CLASS 94V-2
Color: Black / White

- Low profile design with four-way cable tie entry
- Sizes: 20 x 20 x 6.1mm
25 x 25 x 7.5mm

LENGTH mm (in)	80 (3 3/16")	100 (4")	120 (4 3/4")	150 (6")	200 (8")	150 (6")	200 (8")	300 (11 5/8")	200 (8")	250 (10")	300 (11 5/8")	350 (13 3/4")	370 (14 3/5")	300 (11 5/8")	350 (13 3/4")	400 (15 3/4")	450 (17 3/4")	500 (21 1/16")	500 (25 9/16")	500 (35 1/2")
WIDTH	2.5mm				3.6mm				4.8mm				7.6mm				9mm			
THICKNESS	1.0±0.05				1.2±0.1				1.3±0.1				1.5±0.1				1.8±0.1			
TENSILE STRENGTH	18lbs (8kg)				40lbs (18kg)				50lbs (22kg)				120lbs (55kg)				175lbs (80kg)			
COLOR	White / Black				White / Black				White / Black				White / Black				White / Black			

ALUMINUM COMPRESSION LUGS



FEATURES:

- Dual rated for aluminum and copper conductors
- Manufactured from high strength aluminum alloy for maximum conductivity
- Electro-tin plated to provide long lasting corrosion resistance
- Color-coded end caps end for easy lug identification
- Internally beveled barrel provides quick and easy wire insertion
- Meets 90°C requirements

APPLICATIONS:

- Termination of either aluminum or copper conductors
- AL9CU for low to medium voltage up to 35kV
- For indoor and outdoor use

ONE HOLE | LONG BARREL



TWO HOLE | LONG BARREL



CATALOG NO	CONDUCTOR SIZE	STUD SIZE	COLOR CODE
MG4016	6AWG	5/16	Gray
MG4020	4AWG	5/16	Green
MG4024	2AWG	3/8	Pink
MG4025	2AWG	1/2	Pink
MG4028	1AWG	3/8	Gold
MG4029	1AWG	1/2	Gold
MG4032	1/0AWG	3/8	Tan
MG4033	1/0AWG	1/2	Tan
MG4037	2/0AWG	1/2	Olive
MG4041	3/0AWG	1/2	Ruby
MG4045	4/0AWG	1/2	White
MG4046	4/0AWG	5/8	White
MG4049	250MCM	1/2	Red
MG4050	250MCM	5/8	Red
MG4053	300MCM	1/2	Dark Blue
MG4056	350MCM	1/2	Brown
MG4057	350MCM	5/8	Brown
MG4067	500MCM	5/8	Pink
MG4073	750MCM	5/8	Yellow
MG4079	1000MCM	5/8	Brown

CATALOG NO	CONDUCTOR SIZE	STUD SIZE	COLOR CODE
MG4145	4/0 AWG	1/2	White
MG4149	250MCM	1/2	Red
MG4153	300MCM	1/2	Blue
MG4156	350MCM	1/2	Brown
MG4160	400MCM	1/2	Green
MG4166	500MCM	1/2	Pink
MG4172	750MCM	1/2	Yellow
MG4178	1000MCM	1/2	Brown

ALUMINUM MECHANICAL LUGS



FEATURES:

- Dual rated for aluminum and copper conductors
- Manufactured from high strength aluminum alloy 6061-T6 for maximum conductivity
- Electro-tin plated finish for low contact resistance and protection against corrosion
- Chamfered wire entry for ease of installation

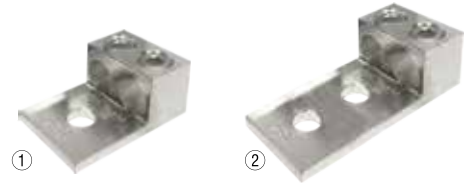
APPLICATIONS:

- For use with either copper or aluminum conductors
- Rated 600V at 90°C
- 486B Listed AL9CU



ONE-CONDUCTOR

Cat. No.	Wire Range	Bolt Size	Figure
MGL-A6	4-14AWG	1/4	1
MGL-A2	2-14AWG	1/4	1
MGL-A0	1/0-14AWG	1/4	1
MGLA-2/0	2/0-14AWG	1/4	1
MGLA-250	250MCM-6AWG	5/16	1
MGLA-300	300MCM-6AWG	1/4	1
MGLA-350	350MCM-6AWG	3/8	1
MGLA-500	500MCM-4AWG	3/8	1
MGLA-600	600MCM-2AWG	3/8	1
MGLA-800	800-300MCM	5/8	1
MGLA-1000	1000-350MCM	5/8	1
MGLA-350-2NS	350MCM-6AWG	1/2	2
MGLA-600-2NS	600MCM-2AWG	1/2	2
MGLA-800-2NS	800-300MCM	1/2	2
MGLA-1000-2NS	1000MCM-500MCM	1/2	2



TWO-CONDUCTOR

Cat. No.	Wire Range	Bolt Size	Figure
MGL2A-0	TWO - 1/0-14AWG	1/4	1
MGL2A-2/0	TWO - 2/0-14AWG	1/4	1
MGL2A-250	TWO - 250MCM-6AWG	3/8	1
MGL2A-350	TWO - 350MCM-6AWG	1/2	1
MGL2A-600	TWO - 600MCM-2AWG	1/2	1
MGL2A-800	TWO - 800-300MCM	5/8	1
MGL2A-1000	TWO - 1000-500MCM	5/8	1
MGL2A-350-2NS	TWO - 350MCM-6AWG	1/2	2
MGL2A-600-2NS	TWO - 600MCM-2AWG	1/2	2
MGL2A-800-2NS	TWO - 800-300MCM	1/2	2
MGL2A-1000-2NS	TWO - 1000-500MCM	1/2	2



THREE-CONDUCTOR

Cat. No.	Wire Range	Bolt Size	Figure
MGL3-A0	THREE - 1/0-14AWG	3/8	1
MGL3A-3/0	THREE - 3/0-6AWG	1/2	1
MGL3A-250	THREE - 250MCM-6AWG	1/2	1
MGL3A-350	THREE - 350MCM-6AWG	1/2	1
MGL3A-600	THREE - 600MCM-2AWG	1/2	2
MGL3A-800	THREE - 800-350MCM	1/2	2
MGL3A-1000	THREE - 1000-500MCM	1/2	2



FOUR-CONDUCTOR

Cat. No.	Wire Range	BOLT SIZE
MGL4A-600	FOUR - 2AWG-600MCM	1/2



STACK DESIGN

Cat. No.	Wire Range	Bolt Size	Figure
MB2-350	TWO - 350MCM-6AWG	5/16	1
MB2-600	TWO - 600MCM-2AWG	3/8	2
MB2-750	TWO - 750MCM-1/0AWG	3/8	2
MB3-600	THREE - 600MCM-2AWG	3/8	3
MB4-600	FOUR - 600MCM-2AWG	3/8	4
MB4-750	FOUR - 750MCM-1/0AWG	3/8	4

TOOLS

① BATTERY POWERED CRIMPING TOOLS



MGE240

MGE400

CAT. NO	MGE240	MGE400
CRIMPING RANGE	16-240mm ²	16-400mm ²
CRIMPING FORCE	50KN	120KN
STROKE	12mm	42mm
VOLTAGE	18V	18V
CAPACITY	3.0Ah	3.0Ah
CHARGING TIME	2 hours	2 hours

② HYDRAULIC CRIMPING TOOLS



MGY70

MGH300

MGH400

CAT. NO	MGY70	MGH300	MGH400
CRIMPING RANGE	4-70mm ²	16-300mm ²	16-400mm ²
CRIMPING FORCE	45KN	60KN	120KN
CRIMPING TYPE	Hexagon crimping	Hexagon crimping	Hexagon crimping
STROKE	10mm	17mm	42mm

① HAND CRIMPING TOOL ② HYDRAULIC CRIMPING TOOL ③ HYDRAULIC MULTI-FUNCTIONAL TOOL



MG007

①



HYDRAULIC PUMP
MGYQH630PMP

Max Output Pressure: 20Kg/cm² - 700Kg/cm²
Output of the Coil: 11cc - 1.4 cc

②



MGH69UNV

③

CAT. NO	MG007
CRIMPING RANGE	<ul style="list-style-type: none"> • 0.5-6mm² for insulated cable links + butt connectors • 0.5-10mm² for wire-end ferrules and non-insulated cable links

CAT. NO	MGYQH630 - (CRIMPING TOOL HEAD)
CRIMPING RANGE	150 - 630mm ²
CRIMPING FORCE	316KN
CRIMPING TYPE	Hexagon
STROKE	25mm

CAT. NO	MGH69UNV
CRIMPING RANGE	Al 10-240mm ² / Cu 16-300mm ²
CRIMPING FORCE	60KN
CUTTING RANGE	Ø 40mm for standard and armoured Cu/Al cable
PUNCHING RANGE	Ø 22.5 - 61.5mm on 3.5mm mild steel

① HYDRAULIC CABLE CUTTER ② RATCHET CABLE CUTTER ③ HYDRAULIC PIPE BENDER ④ HYDRAULIC PUNCH DRIVER



MGHZ45

①



MGZC36CC
MGZ60CC

②



MGWG-1
MGWG-4

③



MGW12AL

④

CAT. NO	MGHZ45
CRIMPING RANGE	Ø 45mm Cu/Al cable and Armoured Cu/Al cable.
CRIMPING FORCE	60KN
STROKE	50mm

CAT. NO	MGZC36CC
CUTTING RANGE	Ø 36mm/ 300mm ²

CAT. NO	MGZ60CC
CUTTING RANGE	Ø 60 mm/ 500mm ²

CAT. NO	MGWG-1	MGWG-4
STROKE (mm)	170	415
BENDING RANGE	1/2"-1"	1/2"-4"
THICKNESS OF PIPE (mm)	1 to 3.5	2.75 to 6
PIPE MOULDS	1/2", 3/4", 1"	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"

CAT. NO	MGW12AL
PUNCHING RANGE	Ø 22.5 - 61.5mm on 3.5mm mild steel
PUNCHING FORCE	120KN
STROKE	27mm

CABLE STRIPPERS



CAT NO.	MG5328
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	External diameter 4-28 mm



CAT NO.	MG7328
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	External diameter 2-28 mm

AUTOMATIC CABLE STRIPPERS



CAT NO.	MG5000
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	0.2 - 6 mm ²



CAT NO.	MG7R00
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	Flexible cables 0.5mm ² - 16mm ² , Solid cables 0.5mm ² - 10 mm ²

MULTI-FUNCTIONAL CABLE STRIPPERS



CAT NO.	MG4000
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	External diameter 8 -13mm, strips conductors 0.5 - 6.0mm ²



CAT NO.	MG0016
CABLE TYPE	Fine-wired and solid conductors with PVC insulation
CABLE SIZE	External diameter 8 -13mm, strips conductors 0.5 - 6.0mm ²

ROUND CABLE STRIPPERS



CAT NO.	MG0013
CABLE TYPE	Round Cables
CABLE SIZE	Outer diameter 6 - 13 mm e.g. NYM 3 x 1,5mm ² to 5 x 2,5mm ²

DISMANTLING TOOL



CAT NO.	MG0025
CABLE TYPE	Cables with sheathing thickness (of outer isolation) of up to 5mm
CABLE SIZE	Length and round cut is possible from min. Ø 25mm

CABLE GUIDE FOR CONDUIT PIPES

Maximum No. of Conductors or Fixture Wires in Electrical Metallic Tubing

Wire Type	Wire Size AWG (mm ²)	ELECTRICAL METALLIC TUBING					
		Trade Size mm (inch)					
		15 (1/2")	20 (3/4")	25 (1")	32 (1-1/4")	40 (1-1/2")	50 (2")
THHN, TWHN	14 AWG (2.0)	12	22	35	61	84	138
	12 AWG (3.5)	9	16	26	45	61	101
	10 AWG (5.5)	5	10	16	28	38	63
	8 AWG (8.0)	3	6	9	16	22	36
	6 AWG (14)	2	4	7	12	16	26
	4 AWG (22)	1	2	4	7	10	16
	2 AWG (30)	1	1	3	5	7	11
	1 AWG (38)	1	1	1	4	5	8
	1/0 AWG (50)	1	1	1	3	4	7
	2/0 AWG (60)		1	1	2	3	6
	3/0 AWG (80)		1	1	1	2	5
	4/0 AWG (100)		1	1	1	2	4
	250 MCM (125)			1	1	1	3
	300 MCM (150)			1	1	1	2
	400 MCM (200)				1	1	1
	500 MCM (250)				1	1	1
	650 MCM (325)				1	1	1



Maximum No. of Conductors or Fixture Wires in Intermediate Metal Conduit

Wire Type	Wire Size AWG (mm ²)	INTERMEDIATE METAL CONDUIT									
		Trade Size mm (inch)									
		15 (1/2")	20 (3/4")	25 (1")	32 (1-1/4")	40 (1-1/2")	50 (2")	65 (2-1/2")	80 (3")	90 (3-1/2")	100 (4")
THHN, TWHN	14 AWG (2.0)	14	24	39	68	91	149	211	326	436	562
	12 AWG (3.5)	10	17	29	49	67	109	154	238	318	410
	10 AWG (5.5)	6	11	18	31	42	68	97	150	200	258
	8 AWG (8.0)	3	6	10	18	24	39	56	86	115	149
	6 AWG (14)	2	4	7	13	17	28	40	62	83	107
	4 AWG (22)	1	3	4	8	10	17	25	38	51	66
	2 AWG (30)	1	1	3	5	7	12	17	27	36	47
	1 AWG (38)	1	1	2	4	5	9	13	20	27	35
	1/0 AWG (50)	1	1	1	3	4	8	11	17	23	29
	2/0 AWG (60)	1	1	1	3	4	6	9	14	19	24
	3/0 AWG (80)		1	1	2	3	5	7	12	16	20
	4/0 AWG (100)		1	1	1	2	4	6	9	13	17
	250 MCM (125)			1	1	1	3	5	8	10	13
	300 MCM (150)			1	1	1	3	4	7	9	12
	400 MCM (200)			1	1	1	2	3	5	7	9
	500 MCM (250)				1	1	1	3	4	6	7
	650 MCM (325)				1	1	1	2	3	5	6
800 MCM (400)				1	1	1	1	3	4	5	
1000 MCM (500)					1	1	1	2	3	4	