



**BC rigid conduits**

Rigid conduits are used in hazardous areas to connect electrical equipment setting up a complete explosion proof system through sealing fittings. The conduits are drawn inside so that all roughness, which could damage the electrical cables, are eliminated.



<b>Installation:</b> EN 60079.14	zone 1 - zone 2 (Gas)
<b>Standards:</b>	EN 60079-0, EN 60079-1
<b>Standard construction:</b>	UNI 7683 galvanized steel conduit Standard bar length: 6 meters Plastic couplings for thread protection ISO7/1 thread
<b>Upon request:</b>	Thread NPT: (example code BC-1N) Bar of 3 m: (example code BC-3/300)

**SELECTION TABLE OF RIGID CONDUITS**

Code	Thread
BC-1	1/2" ISO 7/1
BC-2	3/4" ISO 7/1
BC-3	1" ISO 7/1
BC-4	1 ¼" ISO 7/1
BC-5	1 ½" ISO 7/1
BC-6	2" ISO 7/1
BC-7	2 ½" ISO 7/1
BC-8	3" ISO 7/1
BC-10	4" ISO 7/1

DB...A series bushings are made in aluminium. They are screwed to the pipe end they work as a cable guard. They prevent the cable from rubbing on any pipe burr/edge which could damage its sheath.



**Standard construction:**

Low copper content aluminium alloy body  
ISO 228 thread

**Upon request:**

Thread NPT: (example code DB3NA)  
Galvanised steel (example code DB3G)  
Stainless steel (example code DB3S)

SELECTION TABLE ALUMINIUM BUSHINGS		
Code	Thread	Weight Kg
DB1A	1/2" ISO 7/1	0,012
DB2A	3/4" ISO 7/1	0,014
DB3A	1" ISO 7/1	0,020
DB4A	1 ¼" ISO 7/1	0,025
DB5A	1 ½" ISO 7/1	0,032
DB6A	2" ISO 7/1	0,046
DB7A	2 ½" ISO 7/1	0,062
DB8A	3" ISO 7/1	0,071
DB10A	4" ISO 7/1	0,107
DB12A	5" ISO 7/1	0,134

**DB...P polypropylene bushings**

DB...P series bushings, polypropylene made, are screwed to the pipe end and they work as a cable guard. They prevent the cable from rubbing on any pipe burr/edge which could damage its sheath.



**Standard construction:**

Polypropylene thermoplastic moulding  
ISO 228 thread

SELECTION TABLE FOR POLYPROPYLENE BUSHING		
Code	Thread	Weight Kg
DB1P	1/2" ISO 7/1	0,012
DB2P	3/4" ISO 7/1	0,014
DB3P	1" ISO 7/1	0,020
DB4P	1 ¼" ISO 7/1	0,025
DB5P	1 ½" ISO 7/1	0,032
DB6P	2" ISO 7/1	0,046
DB7P	2 ½" ISO 7/1	0,062
DB8P	3" ISO 7/1	0,071
DB10P	4" ISO 7/1	0,107
DB12P	5" ISO 7/1	0,134

DBT series bushings, aluminium made, are screwed to the pipe end and they work as a cable guard. They prevent the cable from rubbing on any pipe burr/edge which could damage its sheat. They are equipped with earth screw for metal parts grounding.



**Standard construction:**

Low copper content aluminium alloy body  
Stainless steel screw  
ISO 228 thread

**Upon request:**

NPT thread: (example code DBT3NA)  
Galvanised steel (example code DBT3G)  
Stainless steel (example code DBT3S)

### SELECTION TABLE ALUMINIUM BUSHINGS

Code	Thread	Weight Kg
DBT1A	1/2" ISO 7/1	0,016
DBT2A	3/4" ISO 7/1	0,018
DBT3A	1" ISO 7/1	0,024
DBT4A	1 1/4" ISO 7/1	0,033
DBT5A	1 1/2" ISO 7/1	0,040
DBT6A	2" ISO 7/1	0,054
DBT7A	2 1/2" ISO 7/1	0,070
DBT8A	3" ISO 7/1	0,079
DBT10A	4" ISO 7/1	0,115
DBT12A	5" ISO 7/1	0,142

### MC female closing plugs

MC series female plugs are used to close pipes ends.



**Standard construction:**

Galvanised steel or aluminium  
Standard thread: ISO 7/1 Rp

**Upon request:**

NPT thread: (example code MC3NG)  
Stainless steel (example code MC3S)

### SELECTION TABLE OF FEMALE CLOSING PLUGS

Code	Thread	Material	Weight Kg
MC1G	1/2" ISO 7/1	Galvanised steel	0,035
MC2G	3/4" ISO 7/1	Galvanised steel	0,039
MC3G	1" ISO 7/1	Galvanised steel	0,045
MC4G	1 1/4" ISO 7/1	Galvanised steel	0,052
MC5G	1 1/2" ISO 7/1	Galvanised steel	0,285
MC6G	2" ISO 7/1	Galvanised steel	0,335
MC7A	2 1/2" ISO 7/1	Aluminium	0,797
MC8A	3" ISO 7/1	Aluminium	0,887
MC10A	4" ISO 7/1	Aluminium	1,119

DL series locknuts are used to block cable glands or fittings with cylindrical thread on 'Ex e' or 'Ex i' junction box flange or walls with drilling for cables entry.



**Standard construction:**

Galvanised steel o Aluminium (look at the table below)  
ISO 228/1 thread

**Upon request:**

Other threads  
Other materials

### SELECTION TABLE OF DL LOCKNUTS

Code	Thread	Material	Weight Kg
DL1G	1/2" ISO 228/1	Galvanised steel	0,008
DL2G	3/4" ISO 228/1	Galvanised steel	0,011
DL3G	1" ISO 228/1	Galvanised steel	0,013
DL4G	1 ¼" ISO 228/1	Galvanised steel	0,037
DL5A	1 ½" ISO 228/1	Aluminium	0,027
DL6A	2" ISO 228/1	Aluminium	0,034
DL7A	2 ½" ISO 228/1	Aluminium	0,052
DL8A	3" ISO 228/1	Aluminium	0,092
DL10A	4" ISO 228/1	Aluminium	0,132
DL12A	5" ISO 228/1	Aluminium	0,245

### DL...P polyamide locknuts

DL...P series locknuts are used to block polyamide cable glands with cylindrical thread on 'Ex e' or 'Ex i' junction box walls or flange with drilling for cables entry.



**Standard construction:**

Polyamide

**Upon request:**

Marking Ex i: (example code DL02IXIP)

### SELECTION TABLE OF DL LOCKNUTS

Code	ISO thread	Weight Kg
DL02IXEP	M12x1,5	0,004
DL01IXEP	M16x1,5	0,005
DL11IXEP	M20x1,5	0,005
DL21IXEP	M25x1,5	0,006
DL31IXEP	M32x1,5	0,006
DL41IXEP	M40x1,5	0,009
DL51IXEP	M50x1,5	0,013
DL61IXEP	M63x1,5	0,019

### SELECTION TABLE OF DL LOCKNUTS

Code	PG thread	Weight Kg
DL1PXEP	PG7	0,003
DL2PXEP	PG9	0,004
DL3PXEP	PG11	0,005
DL4PXEP	PG13,5	0,005
DL5PXEP	PG16	0,006
DL6PXEP	PG21	0,006
DL7PXEP	PG29	0,009
DL8PXEP	PG36	0,013
DL9PXEP	PG42	0,019
DL10PXEP	PG48	0,026

MT series conduit clamps are used for mounting of cable conduits perpendicular to the support structure.



**Standard construction:**

Galvanised steel  
Galvanized bolts and nuts.

### SELECTION TABLE OF CONDUIT CLAMPS

Code	Thread	Weight Kg
MT1	1/2"	0,093
MT2	3/4"	0,129
MT3	1"	0,150
MT4	1 ¼"	0,194
MT5	1 ½"	0,232
MT6	2"	0,275
MT7	2 ½"	0,310
MT8	3"	0,579
MT10	4"	-

### UBD U-bolts

U-bolts are used to fix rigid cable conduits to flat surfaces.



**Standard construction:**

Galvanised steel

**Upon request:**

Stainless steel (example code UBD3S)

### SELECTION TABLE OF UBD U-BOLTS

Code	Ø cable conduits	Weight Kg
UBD1G	1/2"	0,035
UBD2G	3/4"	0,039
UBD3G	1"	0,045
UBD4G	1 ¼"	0,052
UBD5G	1 ½"	0,285
UBD6G	2"	0,335
UBD7G	2 ½"	0,797
UBD8G	3"	0,887
UBD10G	4"	1,119
UBD12G	5"	1,327

Saddles are used to fix cable conduits to walls or to flat surfaces.



**Standard construction:**

Galvanised steel or aluminium

**Upon request:**

Stainless steel (example code GF3S)

### SELECTION TABLE OF GF SADDLES

Code	Thread	Weight Kg
GF1G	1/2"	0,028
GF2G	3/4"	0,037
GF3G	1"	0,045
GF4G	1 ¼"	0,087
GF5G	1 ½"	0,115
GF6G	2"	0,156
GF7A	2 ½"	0,158
GF8A	3"	0,215
GF10A	4"	0,284
GF12A	5"	-

### MP conduit clamps

MP clamps are used for mounting cable conduits in parallel to the support structure.



**Standard construction:**

Galvanised steel

**Upon request:**

Stainless steel (example code MP3S)

### SELECTION TABLE OF MP CONDUIT CLAMPS

Code	Diameter	Weight Kg
MP1	1/2"	0,138
MP2	3/4"	0,145
MP3	1"	0,198
MP4	1 ¼"	0,530
MP5	1 ½"	0,590
MP6	2"	-
MP7	2 ½"	-
MP8	3"	-
MP10	4"	-