



HG Series

Ex eb IIC
Ex db IIC
Ex tb IIIC

IP 66

3 different types

Zone 1 , 2, 21, 22

IK10 mechanical strength

Earth Lug

Gland & fittings made of brass or stainless steel

Elastomeric seal on cable sheaths

Technical Data

Explosion Protection	
Marking	Ex db IIC Gb, Ex eb IIC Gb
	Ex tb IIIC Db
ATEX	Under certificate
IECEX	Under certificate
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31, IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31
Enclosure material	Brass, Nickel plated brass, Stainless steel
Ambient temperature	-30 °C to +65 °C
Ingress protection	65/66

HG Series

HG 41

for non-armoured cables

The HG41 dual certified Ex e / Ex d cable gland is designed for non-armoured elastomer and plastic insulated cables. It is suitable for use with braided cables where the braid and outer sheath enter the enclosure. The braid should be properly terminated inside the enclosure when used. For Ex d applications, ensure that the cable complies with IEC/EN 60079-14.

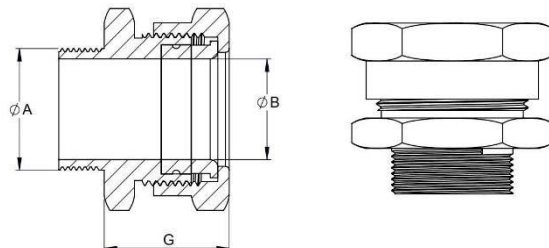
Selection Table

HG-41 Series										
Size Ref	Entry Thread Size (A)		Cable Acceptance Details				G*	Hexagon Dimensions		Material
	Metric	NPT	Outer Sheath (B)					Across Flat	Across Corners	
			Standard Seal		Alternative Seal					
			Min	Max	Min	Max				
Os*	M20	½"	3.0	7.7	-	-	25.0	25.0	27.5	Brass/Stainless Steel
O*	M20	½"	7.5	11.5	-	-	25.0	25.0	27.5	Brass/Stainless Steel
A	M20	¾" or ½"	11.2	14.0	9.0	13.4	25.0	30.0	32.5	Brass/Stainless Steel
B	M25	1" or ¾"	13.5	19.5	9.5	15.4	25.0	36.0	39.5	Brass/Stainless Steel
C	M32	1 ¼" or 1"	19.0	26.0	15.5	21.2	30.0	46.0	50.5	Brass/Stainless Steel
C2	M40	1½" or 1¼"	25.0	31.5	22.0	28.0	30.0	55.0	60.6	Brass/Stainless Steel
D	M50	2" or 1 ½"	31	44.5	27.5	35.0	40.0	65.0	70.8	Brass/Stainless Steel
D2	M63	2 ½" or 2"	43	54.5	39.0	46.5	40.0	80.0	88.0	Brass/Stainless Steel
E	M75	3" or 2 ½"	54.4	68.0	49.5	58.3	40.0	95.0	104.0	Brass/Stainless Steel

* Sizes Os and O are available with an M16 thread size. For o size with M16 thread, the maximum cable inner sheath diameter is 10.5 mm.

* Minimum entry thread length is 15mm.

Dimensional Drawing



HG 52

for armoured/braided cables

The HG52 Cable Gland is dual certified for Ex e / Ex d applications, offering robustness for use with single wire armour, wire braid, steel tape armour, as well as elastomer and plastic insulated cables. This gland ensures an elastomeric seal on the cable inner sheath, along with a low smoke, zero halogen IP and retention seal on the cable outer sheath. For detailed installation guidelines and regulations, please refer to the instruction.

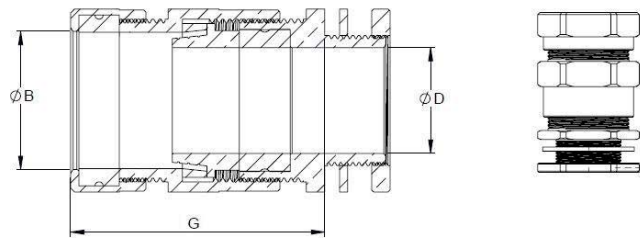
Selection Table

HG-52 Series														
Size Ref	Entry Thread Size		Cable Acceptance Details								G*	Hexagon Dimensions		Material
	Metric	NPT	Inner Sheath (D)				Outer Sheath (B)		Armour or Braid			Across Flat	Across Corners	
			Standard Seal		Alternative Seal				Orientation 1	Orientation 2				
			Min	Max	Min	Max	Min	Max						
Os*	M20	½"	3.0	8.0	-	-	10.5	16	0.8/1.25	0.0/0.8	55.0	25.0	27.5	Brass/ Stainless Steel
O*	M20	½"	7.0	11.5	-	-	10.5	16	0.8/1.25	0.0/0.8	55.0	25.0	27.5	Brass/ Stainless Steel
A	M20	¾" or ½"	11.5	14	9.0	13.4	14.5	20.5	0.8/1.25	0.0/0.8	55.0	30.0	32.5	Brass/ Stainless Steel
B	M25	1" or ¾"	13.5	19.5	9.5	15.4	20	26.5	1.25/1.6	0.0/0.7	60.0	36.0	39.5	Brass/ Stainless Steel
C	M32	1 ¼" or 1"	19.5	26.5	15.5	21.2	26.0	33.0	1.6/2.0	0.0/0.7	65.0	46.0	50.5	Brass/ Stainless Steel
C2	M40	1 ½" or 1 ¼"	25.5	31.0	22.0	28.0	33.0	42.0	1.6/2.0	0.0/0.7	70.0	55.0	60.6	Brass/ Stainless Steel
D	M50	2" or 1 ½"	32.0	43.5	27.5	35.0	41.0	52.3	1.8/2..5	0.0/1.0	80.0	65.0	70.8	Brass/ Stainless Steel
D2	M63	2 ½" or 2"	43.0	54.4	39.0	46.5	52.0	65.0	1.8/2.5	0.0/1.0	80.0	80.0	88.0	Brass/ Stainless Steel
E	M75	3" or 2 ½"	58.0	68.0	49.5	58.3	65.0	78.0	1.8/2..5	0.0/1.0	85.0	95.0	104.0	Brass/ Stainless Steel

* Sizes Os and O are available with an M16 thread size. For o size with M16 thread, the maximum cable inner sheath diameter is 10.5 mm.

* Minimum entry thread length is 15mm.

Dimensional Drawing



HG Series

HG 52L

for armoured lead sheathed cables

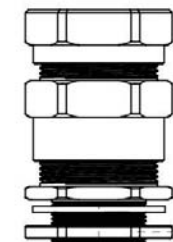
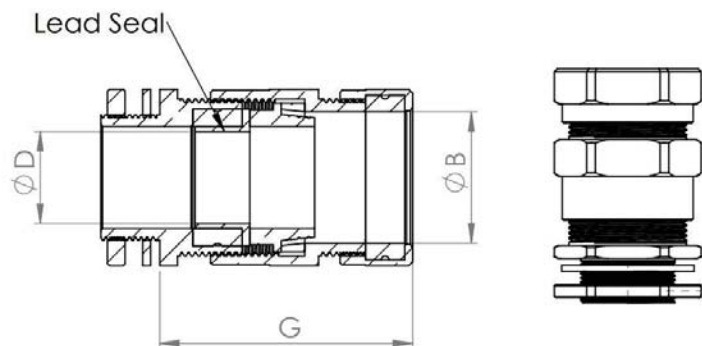
The HG52L Cable Gland is dual certified for Ex e / Ex d applications, offering robustness for use with single wire armour, wire braid, steel tape armour, as well as elastomer and plastic insulated cables. This gland ensures an elastomeric seal on the cable inner sheath, along with a low smoke, zero halogen IP and retention seal on the cable outer sheath. For detailed installation guidelines and regulations, please refer to the instruction.

Selection Table

HG-52L Series														
Size Ref	Entry Thread Size		Cable Acceptance Details								G*	Hexagon Dimensions		Material
	Metric	NPT	Inner Sheath (D)				Outer Sheath (B)		Armour or Braid			Across Flat	Across Corners	
			Standard Seal		Alternative Seal				Orientation 1	Orientation 2				
			Min	Max	Min	Max	Min	Max						
O*	M20	½"	7.4	9	-	-	10.5	16	0.8/1.25	0.0/0.8	55.0	25.0	27.5	Brass/ Stainless Steel
A	M20	¾" or ½"	8.5	11.5	-	-	14.5	20.5	0.8/1.25	0.0/0.8	55.0	30.0	32.5	Brass/ Stainless Steel
B	M25	1" or ¾"	11.5	16.6	9.5	15.4	20	26.5	1.25/1.6	0.0/0.7	60.0	36.0	39.5	Brass/ Stainless Steel
C	M32	1 ¼" or 1"	19.5	23.0	15.0	18.5	26.0	33.0	1.6/2.0	0.0/0.7	65.0	46.0	50.5	Brass/ Stainless Steel
C2	M40	1 ½" or 1 ¼"	25.0	29.0	20.0	25.0	33.0	42.0	1.6/2.0	0.0/0.7	70.0	55.0	60.6	Brass/ Stainless Steel
D	M50	2" or 1 ½"	34.0	40.0	32.0	34.5	41.0	52.3	1.8/2..5	0.0/1.0	80.0	65.0	70.8	Brass/ Stainless Steel
D2	M63	2 ½" or 2"	46.0	52.0	42.0	47.0	52.0	65.0	1.8/2.5	0.0/1.0	80.0	80.0	88.0	Brass/ Stainless Steel
E	M75	3" or 2 ½"	58.0	64.0	51.0	58.0	65.0	78.0	1.8/2..5	0.0/1.0	85.0	95.0	104.0	Brass/ Stainless Steel

* Minimum entry thread length is 15mm.

Dimensional Drawing

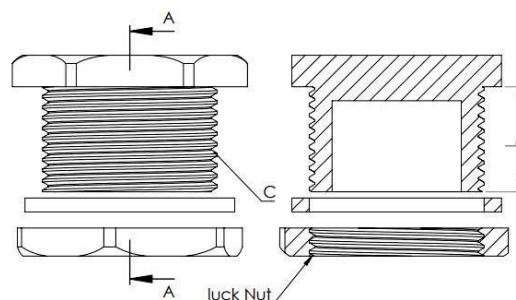


Our HGBE Series stopping plugs are expertly crafted to provide robust protection against explosive gases and vapors. With Ex e and Ex d certifications, they ensure high-level safety in Zone 0, Zone 1, and Zone 2 hazardous areas. Count on the HGBE Series to effectively minimize the risk of electrical sparks triggering dangerous explosions.

HGBE Series (Stopper plug)				
Model	C	Across flat(mm)	Across corners(mm)	Min. L(mm)
	Metric			
HGBE 16	M16x1.5	20	22.5	15
HGBE 20	M20x1.5	25	27.5	15
HGBE 25	M25x1.5	30	32.5	15
HGBE 32	M32x1.5	36	39.5	15
HGBE 40	M40x1.5	46	50.5	15
HGBE 50	M50x1.5	55	60.6	15
HGBE 63	M63x1.5	70	75.8	15
HGBE 75	M75x1.5	80	88	15

HGBE Series (Stopper plug)			
Model	C	Across flat(mm)	Across corners(mm)
	NPT		
HGBE ½"	½"	25	27.5
HGBE ¾"	¾"	30	32.5
HGBE 1"	1"	36	39.5
HGBE 1¼"	1¼"	46	50.5
HGBE 1½"	1½"	55	60.6
HGBE 2"	2"	70	75.8
HGBE 2½"	2½"	80	88
HGBE 3"	3"	100	110

Dimensional Drawing



HG Series

HGRC

Reducer

Experience the reliability of our HGRC Series reducers, specifically designed to meet the stringent requirements of hazardous environments. These reducers offer secure connections and seamless integration, safeguarding against potential risks associated with explosive atmospheres. Trust the HGRC Series for superior performance and peace of mind in hazardous locations.

HGAD

Adaptor

Our HGAD Series adaptors are the perfect solution for enhancing the versatility of electrical installations in hazardous areas. With durable construction and Ex e and Ex d certifications, these adaptors ensure safe and efficient operations in Zone 1, Zone 2, Zone 21, and Zone 22 environments. Enhance your adaptability and safety with the HGAD Series.

Selection Table

Adaptor

Reducer

ADAPTOR AND REDUCERS SELECTION TABLE

☐

Adaptor

☐

Reducer

Male Thread

Metric

NPT *

M16

M20

M25

M32

M40

M50

M63

M75

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

Metric

M16

M20

M25

M32

M40

M50

M63

M75

1/2"

3/4"

1"

1 1/4"

1 1/2"

2"

2 1/2"

3"

NPT *

Female Thread

All dimensions in millimetres (except * where dimensions are in inches). All metric threads are 1.5mm pitch as standard.