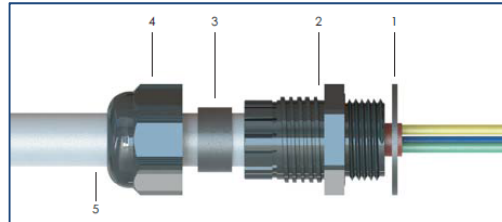


Explosion-Proof Nylon Glands

Hi-Lyra explosion-proof cable glands have been developed for the usage with electrical equipment in potentially explosive areas with the safety level "e", (e.g., chemical, petrochemical industries, off-shore plants). The special polyamide compound and construction provide a high impact resistance at lower temperatures. Models rated Ex-e are manufactured in **BLACK** polyamide, models rated Ex-i are in **BLUE** polyamide.

Item	Description
1	Gasket
2	Body
3	Seal
4	Cap
5	Cable



Specifications

Equipment	Gas Group - ZONE1/ZONE2	Dust Group - ZONE21/ZONE 22
Suitable for use in	Group II - Gas Group IIC	Group III - Dust Group IIIC
	Gas & Dust potentially explosive atmospheres. Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a light blue colored cap.	
Type of Protection	Ex e ; Ex tb ; Ex i	
For	Gas & Dust potentially explosive atmospheres	
IP Rating	IP66 - IP68 (EN 60529)	
Marking	BMD HIBM-X. Ex CE 0722 II 2GD Ex e IIC Gb Ex tb IIIC Db Ta-40° C +80° C IP66/68 IECEx IMQ 13.0003X / IMQ 13 ATEX 010X	
Seal Operating Temperature (Items 1 & 3)	Chloroprene C -40° C / +80° C Silicone S -60° C / +80° C Nbr N -30° C / +80° C	
Material	Polyamide 6 Items 2 & 4 (body & cap)	
Impact test result	7J	

Ordering Instructions

To order take the part number from the tables below and add a letter to indicate what material you want for the seal (C for chloroprene or S for silicone). All explosive gland orders are handled as special requests. Some glands have additional head sizes available, contact ITC for more information.

Examples

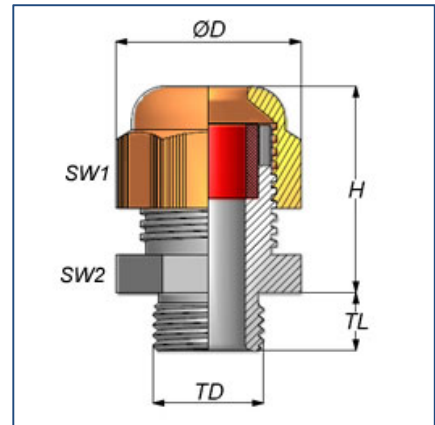
180.111iC - 180.111i = Pg11 Ex-i, C = chloroprene seal 182.038xS - 182.038x = 3/8" NPT black Ex-e, S = silicone seal

Explosion-Proof Metric Nylon Glands* (See Ordering Instructions above)

M	Part No.		Model	Cable Range		Gland Dimensions (mm)					Pack
	Blue Ex-i	Black Ex-e		mm	Inches	TD	TL	H	SW1/SW2	ØD	
M12x1.5	180.012i	180.112x	HIBM-0XS	4-6.5	.157-.256	12	10	22.0	15	17.0	100
M16x1.5	180.017i	180.117x	HIBM-X1	6-10	.236-.394	16	10	29.5	22	25.0	50
M20x1.5	180.020i	180.120x	HIBM-X2	7-12	.276-.472	20	10	30.0	24	27.5	50
M20x1.5	182.020i	182.120x	HIBM-X3	11-14	.433-.551	20	10	33.0	27	31.0	50
M25x1.5	180.025i	180.125x	HIBM-X4	11-14	.433-.551	25	15	33.0	27	31.0	50
M25x1.5	182.025i	182.125x	HIBM-X5	14-18	.551-.709	25	10	35.0	33	37.0	25
M25x1.5	182.026i	182.126x	HIBM-X6	14-18	.551-.709	25	15	35.0	33	37.0	25
M32x1.5	180.032i	180.132x	HIBM-X7	19-25	.748-.984	32	15	40.5	42	47.5	20
M40x1.5	180.040i	180.140x	HIBM-X8	23-32	.906-1.26	40	18	50.0	53	60.0	10
M50x1.5	180.051i	180.151x	HIBM-X9	31-38	1.22-1.496	50	18	54.0	60	67.5	10
M63x1.5	180.063i	180.163x	HIBM-X10	35-44	1.38-1.732	63	18	54.0	65	72.0	10

Information subject to change without notice - All dimensions in mm except where indicated. Also available with dust plugs.

* All explosion proof glands are handled as special requests. See page 33 for recommended cut-out sizes



Explosion-Proof NPT Nylon Glands* (See Ordering Instructions on previous page)

NPT	Part No.		Model	Cable Range		Gland Dimensions					Pack
	Blue Ex-i	Black Ex-e		mm	Inches	TD	TL	H	SW1/SW2	ØD	
3/8" NPT	180.038i	180.138x	HIBN-X1	6-10	.236-.394	17.0	10	29.5	22	25.0	50
1/2" NPT	180.150i	180.150x	HIBN-SX2	6-10	.236-.394	21.3	10	29.5	22/24	25.0	50
1/2" NPT	180.052i	180.152x	HIBN-X2	7-12	.276-.472	21.3	10	30.0	24	27.5	50
1/2" NPT	182.050i	182.150x	HIBN-LX2	11-14	.433-.551	21.3	10	33.0	27	31.0	50
3/4" NPT	182.175x	182.175x	HIBN-X3	14-18	.551-.709	26.7	10	35.0	33	37.0	25
1" NPT	180.191i	180.191x	HIBN-X2	19-25	.748-.984	33.5	15	40.5	42	47.5	20

Information subject to change without notice - All dimensions in mm except where indicated. Also available with dust plugs
 * All explosion proof glands are handled as special requests. See page 33 for recommended cut-out sizes

Explosion-Proof Pg Nylon Glands* (See Ordering Instructions on previous page)

Pg	Part Number		Model	Cable Range		Gland Dimensions					Pack
	Blue Ex- I*	Black Ex-e II		mm	Inches	TD	TL	H	SW1/SW2	ØD	
Pg7	180.007i	180.107x	HIBP-X1	4-6.5	.157-.256	12.4	15	22.0	15	17.0	100
Pg9	180.009i	180.109x	HIBP-X2	5-8	.197-315	15.1	10	26.0	19	21.3	50
Pg11	180.011i*	180.111x	HIBP-X3	6-10	.236-.394	18.5	10	29.5	22	25.0	50
Pg13.5	180.013i	180.113x	HIBP-X4	7-12	.276-.472	20.3	10	30.0	24	27.5	50
Pg16	180.016i	180.116x	HIBP-X5	11-14	.433-.551	22.5	10	33.0	27	31.0	50
Pg21	180.021i	180.121x	HIBP-X6	14-18	.551-.709	28.1	10	35.0	33	37.0	50
Pg29	180.029i	180.129x	HIBP-X7	19-25	.748-.984	37.0	15	40.5	42	47.5	20
Pg36	180.036i	180.136x	HIBP-X8	23-32	.906-1.260	46.8	18	50.0	53	60.0	10
Pg42	180.042i	180.142x	HIBP-X9	31-38	1.22-1.496	54.0	18	54.0	60	67.5	10
Pg48	180.048i	180.148x	HIBP-X10	35-44	1.377-1.732	59.0	18	54.0	65	72.0	10

Information subject to change without notice - All dimensions in mm except where indicated. Also available with dust plugs
 * All explosion proof glands are handled as special requests. See page 33 for recommended cut-out sizes