

Explosion-proof Cable Glands (Double Seal, Armoured)

KBM-13,14 Series

- II 2 G Ex db IIC Gb
- II 2 G Ex eb IIC Gb
- II 3 G Ex nR IIC Gc
- II 2 D Ex tb IIIC Db



KBM-13

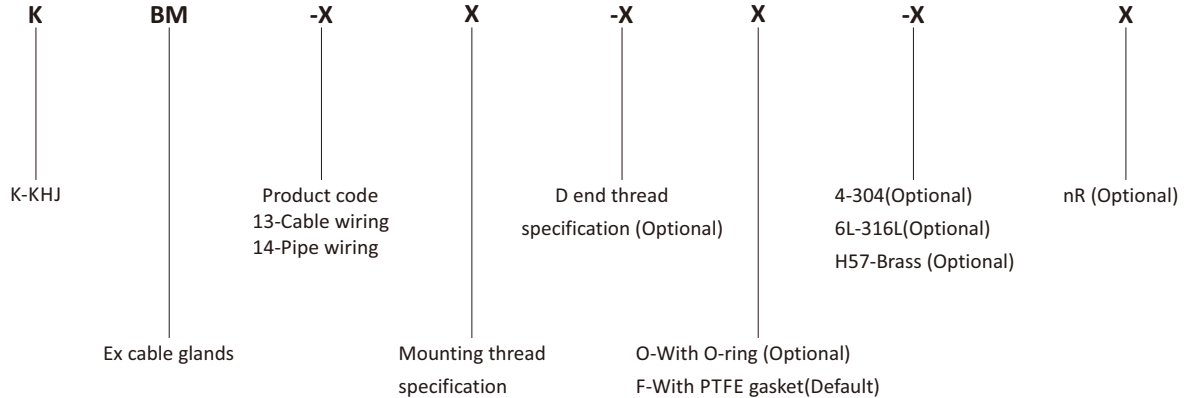


KBM-14

1. Application and Features

- Explosion proof certificates
 - ATEX : TPS 22 ATEX 114950 0001 X
 - IECEx : IECEx TPS 22.0023X
- Application in hazardous area
 - Zone 1 and Zone 2,
 - Zone 21 and Zone 22
- Flame-proof (Type 'd'), Increased safety (Type 'e'), restricted breathing (Type 'nR') combustible dust (Type 'tb') structure.
- Double seal for armoured and unarmoured cables.
- Can be installed on Ex i (intrinsic safety type) equipment.

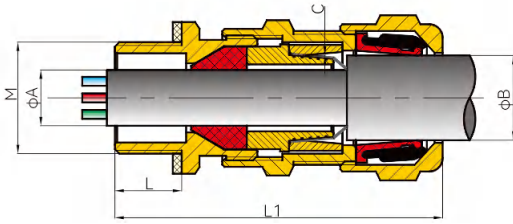
2. Product definition



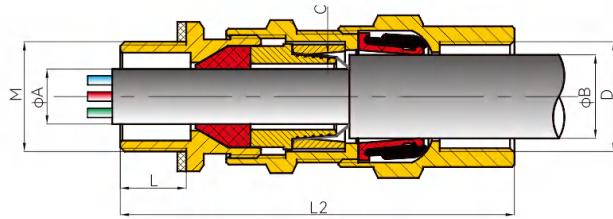
3. Technical Parameter

Explosion protection	Gas	II 2 G Ex db IIC Gb	Ex db IIC Gb
		II 2 G Ex eb IIC Gb	Ex eb IIC Gb
		II 3 G Ex nR IIC Gc	Ex nR IIC Gc
	Dust	II 2 D Ex tb IIIC Db	Ex tb IIIC Db
Executive standards		IEC60079-0, IEC60079-1, IEC60079-7, IEC60079-15, IEC60079-31 EN60079-0, EN60079-1, EN60079-7, EN60079-15, EN60079-31	
Material		Stainless steel; Brass Ni-plated	
Degree of protection		IP66, IP67, IP68(2m/72h)	
Ambient temperature		-43°C~+100°C	
Connection thread		NPT thread, Metric thread (M)	

4. Outline and Installation(mm)



KBM-13



KBM-14

Thread Specification(M)		Code	Cable outer diameter			Armored Braiding (C)		M thread			Maximum outer diameter (mm)	KBM-13 Weight (kg)	KBM-14 Weight (kg)
M thread	NPT thread		Unarmored cable outer diameter ϕA (mm)		Cable Diameter ϕB (mm)	Direction X(mm)	Direction W(mm)	Thread length L(mm)	Length L1(mm)	Length L2(mm)			
			Standard (mm)	Optional (K)(mm)									
M20×1.5	NPT1/2	A	4 ~ 8	—	5.5 ~ 12	0.3 ~ 0.7	0.8 ~ 1.4	15	70	86	31	0.182	0.223
M20×1.5	NPT1/2	B	6.5 ~ 10.5	—	9 ~ 16	0.3 ~ 0.7	0.8 ~ 1.4	15	70	86	31	0.182	0.223
M20×1.5	NPT1/2	C	10 ~ 14.5	8 ~ 12	12.5 ~ 20.5	0.3 ~ 0.7	0.8 ~ 1.4	15	74	90	37	0.182	0.223
M25×1.5	NPT3/4	A	6.5 ~ 10.5	—	9 ~ 16	0.3 ~ 0.7	0.8 ~ 1.4	15	70	86	33		
M25×1.5	NPT3/4	B	10 ~ 14.5	8 ~ 12	12.5 ~ 20.5	0.3 ~ 0.7	0.8 ~ 1.4	15	74	90	37		
M25×1.5	NPT3/4	C	14.5 ~ 19.5	11 ~ 15.5	17 ~ 26	0.3 ~ 0.9	1.0 ~ 1.7	15	79	99	47		
M32×1.5	NPT1	A	10 ~ 14.5	8 ~ 12	12.5 ~ 20.5	0.3 ~ 0.7	0.8 ~ 1.4	19	80	95	42	0.536	0.551
M32×1.5	NPT1	B	14.5 ~ 19.5	11 ~ 15.5	17 ~ 26	0.3 ~ 0.9	1.0 ~ 1.7	19	84	104	47	0.536	0.551
M32×1.5	NPT1	C	19 ~ 25.5	17 ~ 21.5	22 ~ 33	0.3 ~ 0.9	1.0 ~ 1.7	19	94	113	56.5	0.536	0.551
M40×1.5	NPT1 1/4	A	14.5 ~ 19.5	11 ~ 15.5	17 ~ 26	0.3 ~ 0.9	1.0 ~ 1.7	19	84	104	50		
M40×1.5	NPT1 1/4	B	19 ~ 25.5	17 ~ 21.5	22 ~ 33	0.3 ~ 0.9	1.0 ~ 1.7	19	94	113	56.5		
M40×1.5	NPT1 1/4	C	25 ~ 32	22 ~ 28	28 ~ 41	0.3 ~ 1.0	1.0 ~ 2.0	19	101	120	66		
M50×1.5	NPT1 1/2	A	19 ~ 25.5	17 ~ 21.5	22 ~ 33	0.3 ~ 0.9	1.0 ~ 1.7	19	95	114	61		
M50×1.5	NPT1 1/2	B	25 ~ 32	22 ~ 28	28 ~ 41	0.3 ~ 1.0	1.0 ~ 2.0	19	102	121	66		
M50×1.5	NPT1 1/2	C	31.5 ~ 39	27.5 ~ 35	39 ~ 52.5	0.3 ~ 1.0	1.0 ~ 2.0	19	104	123	81		
M63×1.5	NPT2	A	25 ~ 32	22 ~ 28	28 ~ 41	0.3 ~ 1.0	1.0 ~ 2.0	19	102	121	75	0.965	1.138
M63×1.5	NPT2	B	31.5 ~ 39	27.5 ~ 35	39 ~ 52.5	0.3 ~ 1.0	1.0 ~ 2.0	19	104	123	81	0.965	1.138
M63×1.5	NPT2	C	42.5 ~ 55	39 ~ 46.5	47 ~ 65	0.3 ~ 1.5	1.5 ~ 2.7	19	125	144	94		

Note: 1. M threads are normally supplied with lock nuts and sealing washers (PTFE washers), while NPT threads are not.

The above weights are for nickel-plated brass.

2. Earth lug and shroud are on request, see Page D/25, 26.

3. The standard pitch of metric thread products is 1.5mm, other pitches can be customized, please specify when ordering.