

# Explosion - proof Cable Glands(Single Seal, Unarmoured)

## KBM-01,02 Series

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



KBM-01

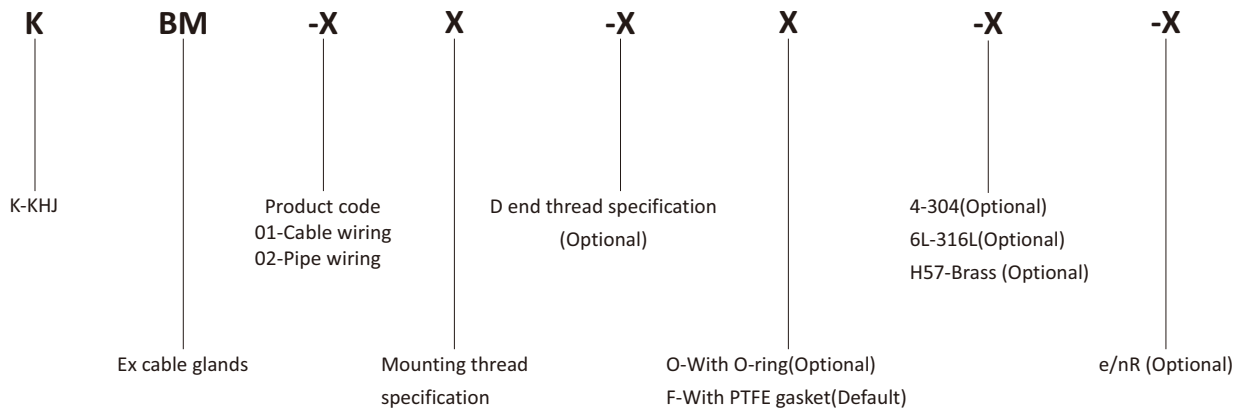


KBM-02

### 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
- Increased safety (Type 'e'), restricted breathing (Type 'nR'), combustible dust (Type 'tb') structure.
- Single seal for unarmoured cables.
- Can be installed on Ex i (intrinsic safety type) equipment.

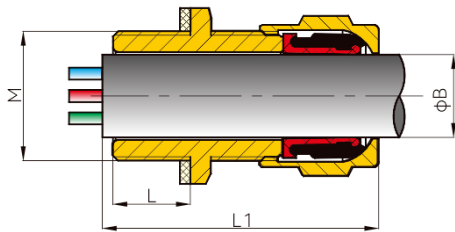
### 2. Product definition



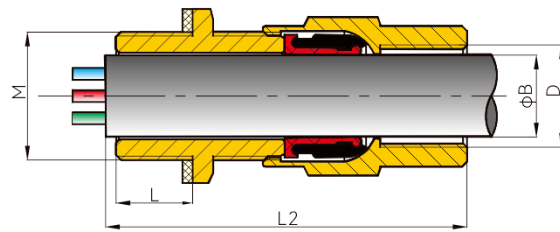
### 3. Technical Parameter

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

## 4. Outline and Installation(mm)



KBM-01



KBM-02

Thread Specification(M)		Code	Cable outer diameter φ B(mm)	M thread			Maximum outer diameter (mm)	KBM-01 Weight (kg)	KBM-02 Weight (kg)
M thread	NPT thread			Thread length L(mm)	Length L1(mm)	Length L2(mm)			
M20×1.5	NPT1/2	A	5.5 ~ 12	15	51	66	31	0.106	0.146
M20×1.5	NPT1/2	B	9 ~ 15	15	51	—	31	0.106	0.146
M25×1.5	NPT3/4	A	9 ~ 16	15	51	66	33	0.230	0.285
M25×1.5	NPT3/4	B	12.5 ~ 20.5	15	52	—	37	0.230	0.285
M32×1.5	NPT1	A	12.5 ~ 20.5	19	57	72	42	0.236	0.272
M32×1.5	NPT1	B	17 ~ 25	19	62	—	47	0.236	0.272
M40×1.5	NPT1 1/4	A	17 ~ 26	19	63	82	50		
M40×1.5	NPT1 1/4	B	22 ~ 33	19	67	—	57		0.294
M50×1.5	NPT1 1/2	A	22 ~ 33	19	67	86	61		
M50×1.5	NPT1 1/2	B	28 ~ 41	19	74	—	66		
M63×1.5	NPT2	A	28 ~ 41	19	74	93	75	0.864	1.066
M63×1.5	NPT2	B	M:39 ~ 52.5	19	80	—	80	0.864	1.066
		NPT:39 ~ 46.5							

**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.