

# Explosion-proof Cable Glands (Gland Packing, Unarmoured)

## KBM-15,16 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-15

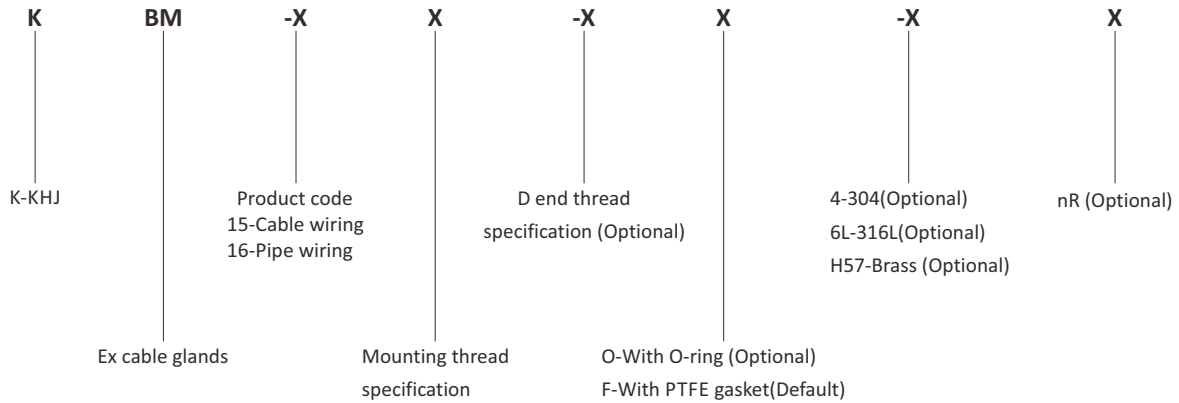


KBM-16

### 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.
- Single seal with gland packing for unarmoured cables.
- Can be installed on Ex i (intrinsic safety type) equipment.

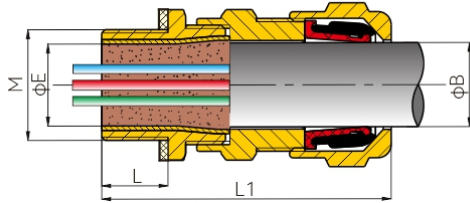
### 2. Product definition



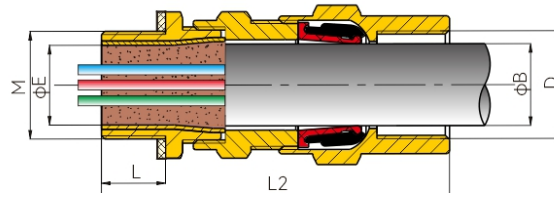
### 3. Technical Parameter

Explosion protection	Gas	II 2 G Ex db IIC Gb II 2 G Ex eb IIC Gb II 3 G Ex nR IIC Gc	Ex db IIC Gb Ex eb IIC Gb 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	
Ambient temperature		-43°C/-60°C~+120°C	
Connection thread		NPT thread, Metric thread (M)	

#### 4. Outline and Installation Dimension(mm)



KBM-15



KBM-16

Thread Specification(M)		Code	Cable outer diameter		M thread			Maximum outer diameter (mm)	KBM-15 Weight (kg)	KBM-16 Weight (kg)
M thread	NPT thread		Cable Diameter φ A(mm)	Cable Diameter φ B(mm)	Thread length L(mm)	Length L1(mm)	Length L2(mm)			
M20×1.5	NPT1/2	A	<13	5.5~12	15	62	79	31		
M20×1.5	NPT1/2	B	<13	9~16	15	62	79	31	0.151	
M25×1.5	NPT3/4	A	<13	9~16	15	62	79	33		
M25×1.5	NPT3/4	B	<15	12.5~20.5	15	64	81	37	0.224	
M32×1.5	NPT1	A	<15	12.5~20.5	19	70	87	42		
M32×1.5	NPT1	B	<20.5	17~26	19	76	97	47	0.402	
M40×1.5	NPT1 1/4	A	<24	17~26	19	76	79	50		
M40×1.5	NPT1 1/4	B	<27	22~33	19	83	104	57		
M50×1.5	NPT1 1/2	A	<30	22~33	19	83	104	61		
M50×1.5	NPT1 1/2	B	<34	28~41	19	90	111	66		
M63×1.5	NPT2	A	<40	28~41	19	90	111	75		
M63×1.5	NPT2	B	<42.5	39~52.5	19	95	116	81		

**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.