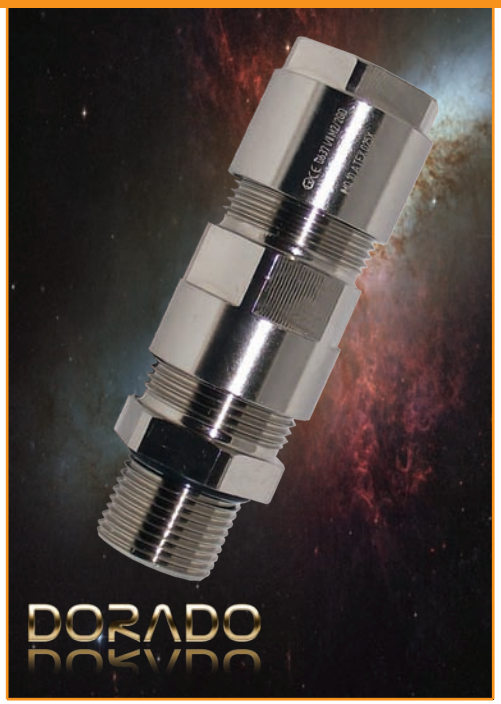
SPECIAL FEATURES AND BENEFITS OF

4 Function EX d / e Glands For Armored Cable



(A) No need to change, to remove or to adjust any internal components as long as the diameter of the used cable is within the declared clamping range.

(B) The swiveling “shielding cone” **(6)** for clamping armor is secured to the “upper body” **(8)** and “lower body” **(1)** by o-rings which prevent the shielding cone from being lost when cable glands are disassembled for cable installation.

(C) For the periodic inspection purpose the internal parts and can be removed with a simple "pulling" movement, because they are fixed only with the o-rings.In result the glands are inspectable without any need to damage the cable or any part.

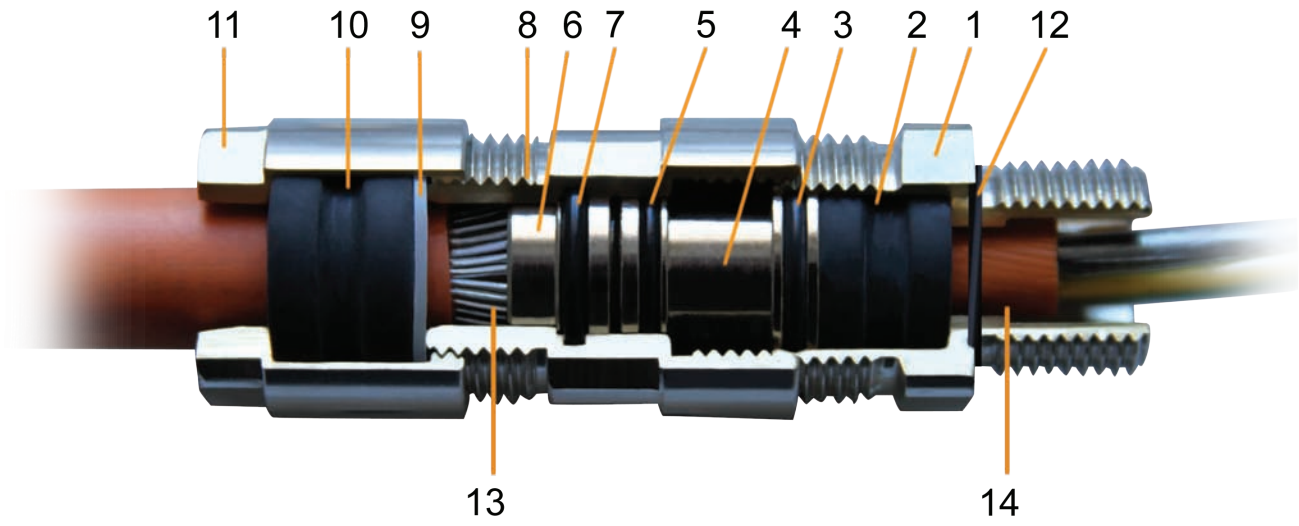
(D) High strain relief, IP rating and explosion proof protection is obtained through the special shape of lower **(2)** and upper **(10)** seal.

(E) Because of the design of seals **(2)** and **(10)** these cable glands can be used for a wider spectrum of cable diameters/clamping ranges.

(F) Hexagon nuts for most cable gland sizes are of the same size **(SW)**. Fewer wrench sizes are required.

(G) Cable glands are deluge proof because of two o-rings **(5)** and **(7)** on the shielding cone **(6)**. Water intrusion will be trapped between the o-rings and won’t get in contact with armor.

Item	Item Description
1	Lower body
2	Lower seal
3	O-ring
4	Grounding cone
5	O-ring
6	Swivel retainer
7	O-ring
8	Upper body
9	Washer
10	Upper seal
11	Pressure Cap
12	O-ring
13	Armoured wire
14	Armoured cable



4 Function EX d / e
Glands For Armored Cable

Technical details	
Approved by	IMQ
Examination Certificate Number	IMQ 11 ATEX 036
Examination & Test Report Number	43AL00050
Safety Requirements	EN 60079-0;EN 60079-1;EN 60079-7;prEN 60079-11; EN 60529;EN 60079-31
Equipment Marking	Flameproof Ex-d and Increased Safety Ex-e EX II M2/2GD EX d I Mb; Ex d IIC Gb/ Ex e I Mb; Ex e IIC Gb
Suitable for use in	Equipment ZONE1, ZONE2, ZONE21, ZONE 22, Gas Groups IIA, IIB, IIC
For	Gas & Dust potentially explosive atmospheres
Degree Of Protection	IP66 – IP68 (EN 60529)
Marking	BMD BA.. CE0722 II 2GD Exd IIC GB / Exe IIC Gb Ta-30ºC +120ºC Ex tb IIIC Db IP66/68 IMQ 10 ATEX 036
Deluge Proof Option	Standard
Temperature Classes	-30°C / +120°C with NBR Sealing Ring -40°C / +100°C with NEOPRENE Sealing Ring -60°C / +180°C with SILICONE Sealing Ring
Material (Δ)	B – Brass X – Stainless Steel

Code	M ISO pitch 1,5	Code	M ANSI ASME B1.20.1	Ø, Sealing Ring Dimension		Cable Gland Dimensions					
				D Min-Max	D1 Min- Max	H Min	L Min	CH1	CH2	CH3	D2 Min
BA01SMΔ	16	BA01SNΔ	3/8"	3,0-8,5	6,0-12,0	57,5	14,0	22	22	22	24
BA01MΔ	16	BA01NΔ	3/8"	4,0-12,0	9,0-18,0	57,5	16,0	24	24	24	27
BA1MΔ	20	BA1NΔ	1/2"	4,0-12,0	9,0-18,0	68,5	16,0	24	24	24	27
BA2MΔ	25	BA2NΔ	3/4"	9,0-20,0	14,0-26,0	81,0	18,0	36	36	36	41
BA3MΔ	32	BA3NΔ	1"	15,0-26,0	20,0-33,0	106,5	18,0	48	48	48	52
BA4MΔ	40	BA4NΔ	1 1/4"	20,0-32,0	29,0-41,0	112,5	18,0	55	55	55	61
BA5MΔ	50	BA5NΔ	1 1/2"	22,0-35,0	36,0-52,0	119,5	20,0	60	60	60	68
BA6MΔ	63	BA6NΔ	2"	35,0-45,0	42,0-62,0	149,0	20,0	74	74	74	84
BA7MΔ	75	BA7NΔ	2 1/2"	45,0-60,0	54,0-78,0	164,0	20,0	90	90	90	104
BA8MΔ	90	BA8NΔ	3"	60,0-72,0	63,0-88,0	190,0	20,0	110	110	110	129
BA10MΔ	110	BA10NΔ	4"	75,0-85,0	88,0-105,0	222,0	20,0	135	135	130	155

Item	Item Description
1	Lower body
2	Lower sealing ring
3	O-ring
4	Grounding cone
5	Swivel braid retainer
6	Middle body
7	Upper pressure washer
8	Upper sealing ring
9	Upper body