UNION-EX Series

[ATEX-IECEx-EAC Ex II 2GD]

METAL CABLE GLANDS (BY RCN)



The UNION-EX Series in metal consists of a cable gland and RCN branded metal caps, in either nickel-plated brass or AISI 316L stainless steel for armoured or simple cables, with gasket in PTFE, nylon or silicone, and all associated accessories.

REFERENCE STANDARDS

ATEX IECEx	**IEC/EN 60079-0** Electrical apparatus for potentially explosive atmospheres. *Part 0: General requirements.*
ATEX IECEx	**IEC/EN 60079-1** Electrical apparatus for potentially explosive atmospheres. *Part 1: equipment protection by flameproof enclosures "d".*
ATEX IECEx	**IEC/EN 60079-7** Electrical apparatus for potentially explosive atmospheres. *Part 7: equipment protection by increased safety "e".*
ATEX IECEx	**IEC/EN 60079-31** Electrical apparatus for potentially explosive atmospheres. *Part 31: Protection by enclosures "t".*

VERSIONS

	Cable glands RN version (for unarmoured cable)
	Cable glands RAD version (for armoured cable)

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66 - IP66/IP68**
Ambient temperature:	**-40°C ≤Ta ≤+100°C (EDPM)** **-65°C ≤Ta ≤+220°C (silicone)**
Material:	**Nickel-plated brass,** **steel AISI316L**
Seals:	**Silicone, EDPM**
Thread:	**Metric**

Ex CHARACTERISTICS

ATEX Category:	**II 2GD / IM2**
Ex Protection type:	**Ex db I Mb** **Ex eb I Mb** **Ex db IIC Gb** **Ex eb IIC Gb** **Ex nR IIC Gc** **Ex tb IIIC Db**
ATEX Certificate:	**INERIS 06ATEX0014X**
IECEx Certificate:	**IECEx INE 10.0010X**
EAC Ex Certificate:	**RU C-IT.A45.B.00081**

METAL CABLE GLANDS FOR UNARMOURED CABLE
RN VERSION (KIT)

EPDM seal

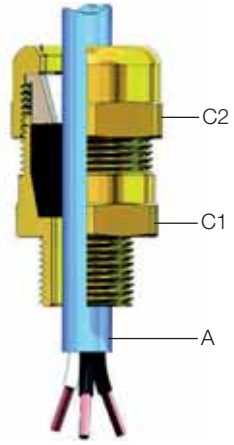


Size	Thread	A Ø min-max (mm)	C1	C2		NICKEL-PLATED BRASS	STEEL S6
16	M12x1.5	4÷7 7÷10	24	24	1	**805.RN1612.EN**	**805.RN1612.ES**
	M16x1.5		24	24	1	**805.RN1616.EN**	**805.RN1616.ES**
	M20x1.5		24	24	1	**805.RN1620.EN**	**805.RN1620.ES**
20	M16x1.5	5,5÷8 8÷10,5 10,5÷13	30	32	1	**805.RN2016.EN**	**805.RN2016.ES**
	M20x1.5		30	32	1	**805.RN2020.EN**	**805.RN2020.ES**
	M25x1.5		30	32	1	**805.RN2025.EN**	**805.RN2025.ES**
25	M20x1.5	8÷10,5 - 10,5÷13 13÷15,5 - 15,5÷18	35	36	1	**805.RN2520.EN**	**805.RN2520.ES**
	M25x1.5		35	36	1	**805.RN2525.EN**	**805.RN2525.ES**
32	M25x1.5	13÷15,5 - 15÷18 18÷21 - 21÷24	42	45	1	**805.RN3225.EN**	**805.RN3225.ES**
	M32x1.5		42	45	1	**805.RN3232.EN**	**805.RN3232.ES**
40	M40x1.5	21÷24 - 24÷27 - 27÷30	48	50	1	**805.RN4040.EN**	**805.RN4040.ES**
50	M40x1.5	24÷27 - 27÷30 30÷33 - 33÷36	55	57	1	**805.RN5040.EN**	**805.RN5040.ES**
	M50x1.5		55	57	1	**805.RN5050.EN**	**805.RN5050.ES**
63	M50x1.5	36÷39 - 39÷42 42÷45	68	67	1	**805.RN6350.EN**	**805.RN6350.ES**
	M63x1.5		68	67	1	**805.RN6363.EN**	**805.RN6363.ES**
75	M63x1.5	45÷48 - 48÷51 51÷54	80	80	1	**805.RN7563.EN**	**805.RN7563.ES**
	M75x1.5		80	80	1	**805.RN7575.EN**	**805.RN7575.ES**
90	M75x1.5	54÷58 - 58÷62 60÷64 - 64÷68	100	100	1	**805.RN9075.EN**	**805.RN9075.ES**
	M90x1.5		100	100	1	**805.RN9090.EN**	**805.RN9090.ES**
91	M75x1.5		100	100	1	**805.RN9175.EN**	**805.RN9175.ES**
	M90x1.5		100	100	1	**805.RN9190.EN**	**805.RN9190.ES**

Package/Bulk Pack. Standard size

CABLE GLANDS

Cable glands for non-armoured cable with seal outside the cable.



SILICONE seal



Size	Thread	A Ø min-max (mm)	C1	C2		NICKEL-PLATED BRASS	STEEL S6
16	M12x1.5	4÷6 - 6÷8 8÷10	24	24	1	**805.RN1612.SN**	**805.RN1612.SS**
	M16x1.5		24	24	1	**805.RN1616.SN**	**805.RN1616.SS**
	M20x1.5		24	24	1	**805.RN1620.SN**	**805.RN1620.SS**
20	M16x1.5	5,5÷8 - 8÷10,5 10,5÷13	30	32	1	**805.RN2016.SN**	**805.RN2016.SS**
	M20x1.5		30	32	1	**805.RN2020.SN**	**805.RN2020.SS**
	M25x1.5		30	32	1	**805.RN2025.SN**	**805.RN2025.SS**
25	M20x1.5	8÷10,5 - 10,5÷13 13÷15,5 - 15,5÷18	35	36	1	**805.RN2520.SN**	**805.RN2520.SS**
	M25x1.5		35	36	1	**805.RN2525.SN**	**805.RN2525.SS**
32	M25x1.5	13÷15,5 - 15÷18 18÷21 - 21÷24	42	45	1	**805.RN3225.SN**	**805.RN3225.SS**
	M32x1.5		42	45	1	**805.RN3232.SN**	**805.RN3232.SS**
40	M40x1.5	21÷24 - 24÷27 - 27÷30	48	50	1	**805.RN4040.SN**	**805.RN4040.SS**
50	M40x1.5	24÷27 - 27÷30 30÷33 - 33÷36	55	57	1	**805.RN5040.SN**	**805.RN5040.SS**
	M50x1.5		55	57	1	**805.RN5050.SN**	**805.RN5050.SS**
63	M50x1.5	36÷39 - 39÷42 42÷45	68	67	1	**805.RN6350.SN**	**805.RN6350.SS**
	M63x1.5		68	67	1	**805.RN6363.SN**	**805.RN6363.SS**
75	M63x1.5	45÷48 - 48÷51 51÷54	80	80	1	**805.RN7563.SN**	**805.RN7563.SS**
	M75x1.5		80	80	1	**805.RN7575.SN**	**805.RN7575.SS**
90	M75x1.5	54÷58 - 58÷62 60÷64 - 64÷68	100	100	1	**805.RN9075.SN**	**805.RN9075.SS**
	M90x1.5		100	100	1	**805.RN9090.SN**	**805.RN9090.SS**
91	M75x1.5		100	100	1	**805.RN9175.SN**	**805.RN9175.SS**
	M90x1.5		100	100	1	**805.RN9190.SN**	**805.RN9190.SS**

Package/Bulk Pack. Standard size

CODE STRUCTURE

805.	RN	16	12	E	N
FAMILY CODE 805.	**TYPE** **RAD/RN** Cable glands **RT** Screw plugs **RL** Locknuts **RE** Earth plate **RG** Seal	**SIZE** 16 20 25 32 ...	**THREAD** M12 x 1,5 M16 x 1,5 M20 x 1,5 M32 x 1,5 ...	**SEAL** **E** EPDM **S** Silicone	**MATERIAL** **N** Nickelplated brass **S** Stainless Steel **Y** Nylon

METAL CABLE GLANDS FOR ARMOURED CABLE RAD VERSION (KIT)

EPDM seal

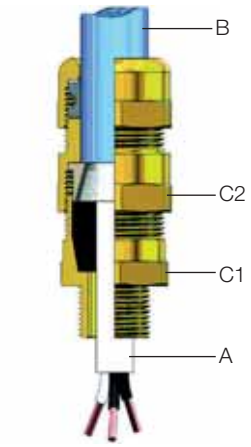


Size	Thread	A Ø min-max cable under armour (mm)	B Ø min-max external cable	C1	C2		NICKEL-PLATED BRASS	STEEL S6
16	M12x1.5	4÷7 7÷10	5÷10 10÷15	24	24	1	**805.RAD1612.EN**	**805.RAD1612.ES**
	M16x1.5			24	24	1	**805.RAD1616.EN**	**805.RAD1616.ES**
	M20x1.5			24	24	1	**805.RAD1620.EN**	**805.RAD1620.ES**
20	M16x1.5	5,5÷8 8÷10,5 10,5÷13	10÷15 14÷19	30	32	1	**805.RAD2016.EN**	**805.RAD2016.ES**
	M20x1.5			30	32	1	**805.RAD2020.EN**	**805.RAD2020.ES**
	M25x1.5			30	32	1	**805.RAD2025.EN**	**805.RAD2025.ES**
25	M20x1.5	8÷10,5 - 10,5÷13 13÷15,5 - 15,5÷18	15÷20 19÷24	35	36	1	**805.RAD2520.EN**	**805.RAD2520.ES**
	M25x1.5			35	36	1	**805.RAD2525.EN**	**805.RAD2525.ES**
32	M25x1.5	13÷15,5 - 15÷18 18÷21 - 21÷24	20÷26 25÷31	42	45	1	**805.RAD3225.EN**	**805.RAD3225.ES**
	M32x1.5			42	45	1	**805.RAD3232.EN**	**805.RAD3232.ES**
40	M40x1.5	21÷24 - 24÷27 - 27÷30	26÷32 - 31÷37	48	50	1	**805.RAD4040.EN**	**805.RAD4040.ES**
50	M40x1.5	24÷27 - 27÷30 30÷33 - 33÷36	31÷37 36÷43	55	57	1	**805.RAD5040.EN**	**805.RAD5040.ES**
	M50x1.5			55	57	1	**805.RAD5050.EN**	**805.RAD5050.ES**
63	M50x1.5	36÷39 - 39÷42 42÷45	42÷48 47÷53	68	67	1	**805.RAD6350.EN**	**805.RAD6350.ES**
	M63x1.5			68	67	1	**805.RAD6363.EN**	**805.RAD6363.ES**
75	M63x1.5	45÷48 - 48÷51 51÷54	52÷58 52÷64	80	80	1	**805.RAD7563.EN**	**805.RAD7563.ES**
	M75x1.5			80	80	1	**805.RAD7575.EN**	**805.RAD7575.ES**
90	M75x1.5	54÷58 - 58÷62 60÷64 - 64÷68	64÷72 70÷78	100	100	1	**805.RAD9075.EN**	**805.RAD9075.ES**
	M90x1.5			100	100	1	**805.RAD9090.EN**	**805.RAD9090.ES**
91	M75x1.5			100	100	1	**805.RAD9175.EN**	**805.RAD9175.ES**
	M90x1.5			100	100	1	**805.RAD9190.EN**	**805.RAD9190.ES**

Package/Bulk Pack. Standard size

CABLE GLANDS

Cable glands for armoured cable, locking under the armour and outside. Earthing of the armour.



SILICONE seal



Size	Thread	A Ø min-max cable under armour (mm)	B Ø min-max external cable	C1	C2		NICKEL-PLATED BRASS	STEEL S6
16	M12x1.5	4÷6 - 6÷8 8÷10	5÷10 10÷15	24	24	1	**805.RAD1612.SN**	**805.RAD1612.SS**
	M16x1.5			24	24	1	**805.RAD1616.SN**	**805.RAD1616.SS**
	M20x1.5			24	24	1	**805.RAD1620.SN**	**805.RAD1620.SS**
20	M16x1.5	5,5÷8 8÷10,5 10,5÷13	10÷15 14÷19	30	32	1	**805.RAD2016.SN**	**805.RAD2016.SS**
	M20x1.5			30	32	1	**805.RAD2020.SN**	**805.RAD2020.SS**
	M25x1.5			30	32	1	**805.RAD2025.SN**	**805.RAD2025.SS**
25	M20x1.5	8÷10,5 - 10,5÷13 13÷15,5 - 15,5÷18	15÷20 19÷24	35	36	1	**805.RAD2520.SN**	**805.RAD2520.SS**
	M25x1.5			35	36	1	**805.RAD2525.SN**	**805.RAD2525.SS**
32	M25x1.5	13÷15,5 - 15÷18 18÷21 - 21÷24	20÷26 25÷31	42	45	1	**805.RAD3225.SN**	**805.RAD3225.SS**
	M32x1.5			42	45	1	**805.RAD3232.SN**	**805.RAD3232.SS**
40	M40x1.5	21÷24 - 24÷27 - 27÷30	26÷32 - 31÷37	48	50	1	**805.RAD4040.SN**	**805.RAD4040.SS**
50	M40x1.5	24÷27 - 27÷30 30÷33 - 33÷36	31÷37 36÷43	55	57	1	**805.RAD5040.SN**	**805.RAD5040.SS**
	M50x1.5			55	57	1	**805.RAD5050.SN**	**805.RAD5050.SS**
63	M50x1.5	36÷39 - 39÷42 42÷45	42÷48 47÷53	68	67	1	**805.RAD6350.SN**	**805.RAD6350.SS**
	M63x1.5			68	67	1	**805.RAD6363.SN**	**805.RAD6363.SS**
75	M63x1.5	45÷48 - 48÷51 51÷54	52÷58 52÷64	80	80	1	**805.RAD7563.SN**	**805.RAD7563.SS**
	M75x1.5			80	80	1	**805.RAD7575.SN**	**805.RAD7575.SS**
90	M75x1.5	54÷58 - 58÷62 60÷64 - 64÷68	64÷72 70÷78	100	100	1	**805.RAD9075.SN**	**805.RAD9075.SS**
	M90x1.5			100	100	1	**805.RAD9090.SN**	**805.RAD9090.SS**
91	M75x1.5			100	100	1	**805.RAD9175.SN**	**805.RAD9175.SS**
	M90x1.5			100	100	1	**805.RAD9190.SN**	**805.RAD9190.SS**

Package/Bulk Pack. Standard size

EXAMPLE KIT



RAD/RN cable gland kit consisting of a set of rubber pads.
The kit is supplied without locknut and seal.

EXAMPLE OF CABLE GLAND KIT LABEL

SCAME

CABLE GLAND IP66/68

RCN CABLE GLANDS AND ACCESSORIES

KIT.RAD20.N20.FP.ON

Cod. cliente: 805.RAD1612.EN
KIT pressacavo RAD size 20 M 1/2" NPT ottone nichelato
Lotto: 014929

8 001636 410876

Marcatura:

RCN RAD20 1/2 NPT CE 0080 INERS 06ATEX0014X IEC Ex INE10.0010X
IM2 Exel-ExdI/II2GD Exell-ExdIIC-ExtD A21 IP66/68

SCREW PLUGS



Thread		NICKEL-PLATED BRASS	STEEL S6
M12x1.5	1	**805.RT12.N**	**805.RT12.S**
M16x1.5	1	**805.RT16.N**	**805.RT16.S**
M20x1.5	1	**805.RT20.N**	**805.RT20.S**
M25x1.5	1	**805.RT25.N**	**805.RT25.S**
M32x1.5	1	**805.RT32.N**	**805.RT32.S**
M40x1.5	1	**805.RT40.N**	**805.RT40.S**
M50x1.5	1	**805.RT50.N**	**805.RT50.S**
M63x1.5	1	**805.RT63.N**	**805.RT63.S**
M75x1.5	1	**805.RT75.N**	**805.RT75.S**
M90x2	1	**805.RT90.N**	**805.RT90.S**

Package/Bulk Pack.
- Without seal

LOCKNUTS



Thread		NICKEL-PLATED BRASS	STEEL S6
M12x1.5	10	**805.RL12.N**	**805.RL12.S**
M16x1.5	10	**805.RL16.N**	**805.RL16.S**
M20x1.5	10	**805.RL20.N**	**805.RL20.S**
M25x1.5	10	**805.RL25.N**	**805.RL25.S**
M32x1.5	10	**805.RL32.N**	**805.RL32.S**
M40x1.5	10	**805.RL40.N**	**805.RL40.S**
M50x1.5	10	**805.RL50.N**	**805.RL50.S**
M63x1.5	10	**805.RL63.N**	**805.RL63.S**
M75x1.5	10	**805.RL75.N**	**805.RL75.S**
M90x2	10	**805.RL90.N**	**805.RL90.S**

Package/Bulk Pack.

EARTHING TAGS



Type		NICKEL-PLATED BRASS	STEEL S6
M12	10	**805.RE12.N**	**805.RE12.S**
M16	10	**805.RE16.N**	**805.RE16.S**
M20	10	**805.RE20.N**	**805.RE20.S**
M25	10	**805.RE25.N**	**805.RE25.S**
M32	10	**805.RE32.N**	**805.RE32.S**
M40	10	**805.RE40.N**	**805.RE40.S**
M50	10	**805.RE50.N**	**805.RE50.S**
M63	10	**805.RE63.N**	**805.RE63.S**
M75	10	**805.RE75.N**	**805.RE75.S**
M90	10	**805.RE90.N**	**805.RE90.S**

Package/Bulk Pack.

SEALS



Type		NYLON	SILICONE
M12	10	**805.RG12.Y**	**805.RG12.S**
M16	10	**805.RG16.Y**	**805.RG16.S**
M20	10	**805.RG20.Y**	**805.RG20.S**
M25	10	**805.RG25.Y**	**805.RG25.S**
M32	10	**805.RG32.Y**	**805.RG32.S**
M40	10	**805.RG40.Y**	**805.RG40.S**
M50	10	**805.RG50.Y**	**805.RG50.S**
M63	10	**805.RG63.Y**	**805.RG63.S**
M75	10	**805.RG75.Y**	**805.RG75.S**
M90	10	**805.RG90.Y**	**805.RG90.S**

Package/Bulk Pack.

CABLE GLAND SHROUD PROTECTION



Size		PVC	EPDM
16	1/10	**805.RS16**	
20	1/10	**805.RS20**	
25	1/10	**805.RS25**	
32	1/10	**805.RS32**	
40	1/10	**805.RS40**	
50	1/10	**805.RS50**	
63	1/10	**805.RS63**	
75	1/10		**805.RS75.EP**
90a/b	1/10		**805.RS90.EP**

Package/Bulk Pack.