

The new design standard for high-performance industrial strain-relief fittings



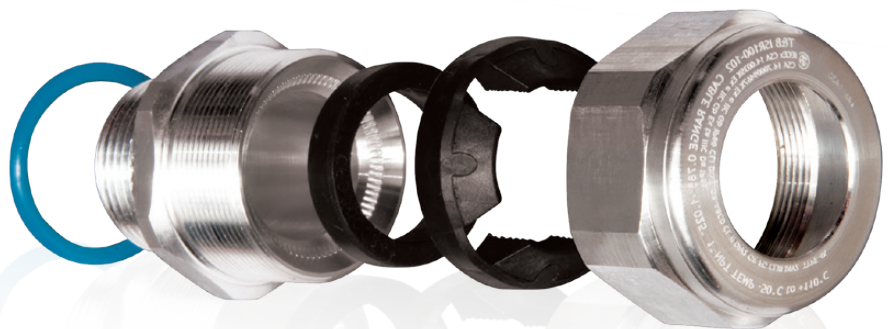
Kopex-Ex™ ISR fittings
provide 100% pullout
performance with
no external
clamping required

- Gland Nut: Laser-etched certification markings, visible no matter where it is installed
- Chuck Ring: Unique over-molded design provides strength and flexibility
- Sealing bushing: Performs in extreme temperature (-50°C to +110°C) and provides dependable seal against dust and liquid
- Body: Compact and sturdy construction for harsh environments
- Sealing O-ring: Wide and flexible, adapts to variations in knockout

For tray cables and flexible cords

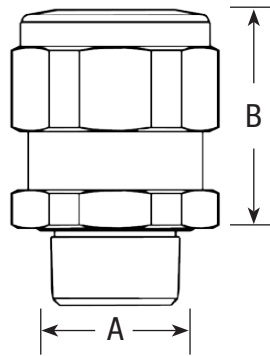
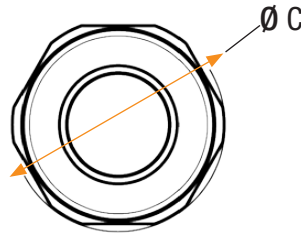
No external clamping required

Easy installation, no disassembly



Thomas & Betts. Your best connection for innovative solutions.

- Select fitting to accommodate knockout and diameter of cable used. Choose the smallest fitting in which the cable fits.
- Insert cable in the fitting. No need to disassemble the fitting. Pre-tighten the gland nut by hand.
- Tighten gland nut to body.



NPT

CAT. NO.	THREAD HUB SIZE A	TORQUE	THROAT DIA.	MIN. DIA.	MAX. DIA.	B (REF.) †	C (O.D.)
ISR050-053	1/2" NPT	400 lbf-in (45.19 Nm)	0.535 in. (13.59 mm)	0.325 in. (8.25 mm)	0.525 in. (13.34 mm)	1.65 in. (41.91 mm)	1.350 in. (34.29 mm)
ISR050-062	1/2" NPT		0.630 in. (16.00 mm)	0.425 in. (10.79 mm)	0.620 in. (15.75 mm)	1.683 in. (42.75 mm)	1.500 in. (38.10 mm)
ISR075-062	3/4" NPT		0.630 in. (16.00 mm)	0.425 in. (10.79 mm)	0.620 in. (15.75 mm)	1.683 in. (42.75 mm)	1.625 in. (41.28 mm)
ISR075-082	3/4" NPT	600 lbf-in (67.79 Nm)	0.825 in. (20.96 mm)	0.585 in. (14.86 mm)	0.815 in. (20.70 mm)	1.790 in. (45.47 mm)	1.700 in. (43.18 mm)
ISR100-102	1" NPT	800 lbf-in (90.39 Nm)	1.035 in. (26.29 mm)	0.785 in. (19.94 mm)	1.025 in. (26.04 mm)	1.818 in. (46.18 mm)	1.900 in. (48.26 mm)
ISR125-122	1-1/4" NPT	1100 lbf-in (124.28 Nm)	1.225 in. (31.12 mm)	0.985 in. (25.02 mm)	1.215 in. (30.86 mm)	1.993 in. (50.62 mm)	2.320 in. (58.93 mm)
ISR125-137	1-1/4" NPT		1.380 in. (35.05 mm)	1.185 in. (30.10 mm)	1.370 in. (34.80 mm)	1.918 in. (48.72 mm)	2.320 in. (58.93 mm)
ISR150-156	1-1/2" NPT	1300 lbf-in (146.88 Nm)	1.560 in. (39.62 mm)	1.335 in. (33.91 mm)	1.550 in. (39.37 mm)	1.945 in. (49.40 mm)	2.580 in. (65.53 mm)
ISR200-179	2" NPT	1600 lbf-in (180.77 Nm)	1.795 in. (45.59 mm)	1.525 in. (38.73 mm)	1.785 in. (45.34 mm)	2.017 in. (51.23 mm)	3.012 in. (76.50 mm)
ISR200-206	2" NPT		2.070 in. (52.58 mm)	1.755 in. (44.58 mm)	2.055 in. (52.20 mm)	2.010 in. (51.05 mm)	3.200 in. (81.28 mm)

† Reference dimension before installation.

To order the ISR fittings in stainless steel 316L, add suffix "SS" to catalogue number. Contact your Regional Sales Office for availability and pricing.

METRIC

CAT. NO.	HUB THREAD SIZE (A)	TORQUE	THROAT DIA.	MIN. DIA.	MAX. DIA.	B (REF.) †	C (O.D.)
ISRM20-13	M20	45.19 Nm (400 lbf-in)	13.59 mm (0.535 in.)	8.25 mm (0.325 in.)	13.34 mm (0.525 in.)	41.91 mm (1.65 in.)	34.29 mm (1.350 in.)
ISRM20-15	M20		15.24 mm (0.600 in.)	10.79 mm (0.425 in.)	15.00 mm (0.590 in.)	42.75 mm (1.683 in.)	38.10 mm (1.500 in.)
ISRM25-15	M25		16.00 mm (0.630 in.)	10.79 mm (0.425 in.)	15.75 mm (0.620 in.)	42.75 mm (1.683 in.)	41.28 mm (1.625 in.)
ISRM25-20	M25	67.79 Nm (600 lbf-in)	20.32 mm (0.800 in.)	14.86 mm (0.585 in.)	20.07 mm (0.815 in.)	45.47 mm (1.790 in.)	43.18 mm (1.700 in.)
ISRM32-26	M32	90.39 Nm (800 lbf-in)	26.29 mm (1.035 in.)	19.94 mm (0.785 in.)	26.04 mm (1.025 in.)	46.18 mm (1.818 in.)	48.26 mm (1.900 in.)
ISRM40-31	M40	124.28 Nm (1100 lbf-in)	31.12 mm (1.225 in.)	25.02 mm (0.985 in.)	30.86 mm (1.215 in.)	50.62 mm (1.993 in.)	58.93 mm (2.320 in.)
ISRM40-35	M40		35.05 mm (1.380 in.)	30.10 mm (1.185 in.)	34.80 mm (1.370 in.)	48.72 mm (1.918 in.)	58.93 mm (2.320 in.)
ISRM50-39	M50	146.88 Nm (1300 lbf-in)	39.62 mm (1.560 in.)	33.91 mm (1.335 in.)	39.37 mm (1.550 in.)	49.40 mm (1.945 in.)	65.53 mm (2.580 in.)
ISRM63-45	M63	180.77 Nm (1600 lbf-in)	45.59 mm (1.795 in.)	38.73 mm (1.525 in.)	45.34 mm (1.785 in.)	51.23 mm (2.017 in.)	81.28 mm (3.200 in.)
ISRM63-52	M63		52.58 mm (2.070 in.)	44.58 mm (1.755 in.)	52.20 mm (2.055 in.)	51.05 mm (2.010 in.)	81.28 mm (3.200 in.)

† Reference dimension before installation. The metric version of the ISR fitting is not UL Listed.



Certifications

- CSA 14.70009467X Ex e IIC Gb Ex ta IIC Da IP66 CLI DIV2 ABCD CLII DIV1 EFG CLIII DIV1 TYPE 4X
- II 1D 2G SIRA 14ATEX3238X Ex e IIC Gb Ex ta IIC Da IP66 IECEx CSA 14.0035X
- Class I, Zone 1, AEx e IIC; Zone 20, AEx ta; IP66

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