

INSTALL+™

Dual Certified (BS EN 10255 & 10217-1)

Pre-grooved conveyance tube from Corus Tubes

Our pre-grooved carbon steel conveyance tube offers a robust and cost-effective jointing method. Manufactured to exacting standards using advanced methods, pre-grooved tube is the latest product in our well-proven conveyance range.

Pre-grooved tube means it is:

- A convenient joining method, which saves you time and money
- Suitable for use with all leading couplings

Available in a choice of sizes, weights and finishes from the INSTALL+™ (BS EN 10255⁽¹⁾/10217-1⁽²⁾) range:

- Grooved sizes 15mm to 150mm (nominal bore)
- Medium & heavy weights
- Red-painted & galvanised
- Exact length cutting option available

The benefits of using INSTALL+™ pre-grooved tube are:

- Simple and quick to install
- Provides a reliable and robust joint that offers consistent performance without reliance on the skill of the installer
- Cleaner installation means reduced flushing & commissioning time
- Complements modular construction and prefabrication techniques
- Simple accommodation of thermal movement and curved runs
- Suitable for use with chilled water, cooling, heating, compressed air and fire protection systems
- Improved pressure ratings when compared with screwed and socketed joints



Tube pressure ratings

For INSTALL+™ tube, the permissible tube working pressures shown are valid. The type of grooved coupling used and its installation will also determine the maximum operating pressure and temperature of the system*.

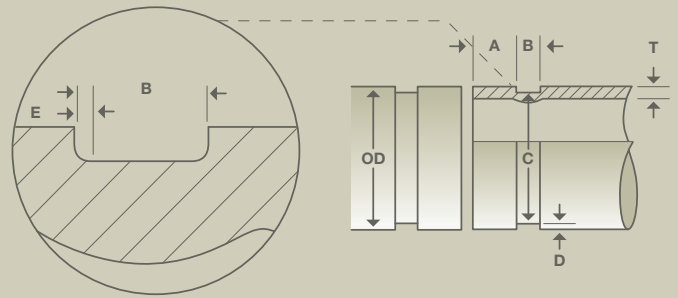
Maximum operating pressure (Bar) -7 to +260°C max

Nominal Bore NB		Tube weight	
(mm)	(inch)	Medium	Heavy
15-25	3/4-1	50.0	60.0
32-40	1 1/4-1 1/2	40.0	50.0
50-80	2-3	28.0	36.0
100-150	4-6	25.0	30.0

* **Note:** Please consult the relevant manufacturer's technical data.

Dimensions

- Groove diameter (C) may be measured using a 'Diameter Tape' (available from coupling manufacturers).
- The groove diameter (C) must be within the max and min tolerance shown in the table below, measured at the weld area and at 90 degrees to the weld.



Tube data

Basic Dimensions (mm)

Nominal Bore NB	Outside Diameter OD		Gasket Seat A	Groove Width B	Groove Diameter C		Groove Depth D	Groove Corner E	Flare Diameter		
	(mm)	(inch)	(+/- 0.76)	(+/- 0.76)	(max)	(min)	(ref)	(max)	(max)		
25.0	1		34.2	33.2	15.9	7.1	30.2	29.9	1.6	2.0	36.3
32.0	1¼		42.9	42.0	15.9	7.1	39.0	38.6	1.6	2.0	45.0
40.0	1½		48.8	47.9	15.9	7.1	45.1	44.7	1.6	2.0	51.1
50.0	2		60.8	59.7	15.9	8.7	57.2	56.8	1.6	2.0	63.0
65.0	2½		76.6	75.3	15.9	8.7	72.3	71.8	2.0	2.0	78.7
80.0	3		89.5	88.0	15.9	8.7	85.0	84.5	2.0	2.0	91.4
100.0	4		115.0	113.1	15.9	8.7	110.1	109.6	2.1	2.0	116.8
125.0	5		140.8	138.5	15.9	8.7	135.5	135.0	2.1	2.0	142.2
150.0	6		166.5	163.9	15.9	8.7	160.8	160.2	2.2	2.0	167.6

Optional end finish

INSTALL+™ tube can be supplied in standard (-0 +150mm) or exact cut lengths by arrangement. Please contact our sales team to discuss your requirements.

References

- [1] BS EN 10255: 2004-A1: 2007 Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions.
- [2] BS EN 10217-1: 2002-A1: 2006 Welded steel tubes for pressure purposes. Technical delivery conditions. Part 1: Non-alloy steel tubes with specified room temperature properties.

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