

Technical section

Thread data

Metric Thread Data

Standard Thread Conforming to EN60423 & BS3643

Thread Size	External Thread Outside Diameter	Internal Thread Inside Diameter	Pitch
M8	8mm	6.9mm	1mm
M10	10mm	8.9mm	1mm
M12	12mm	10.9mm	1mm
M12	12mm	10.4mm	1.5mm
M16	16mm	14.4mm	1.5mm
M18	18mm	16.9mm	1mm
M20	20mm	18.4mm	1.5mm
M25	25mm	23.4mm	1.5mm
M30	30mm	28.4mm	1.5mm
M32	32mm	30.4mm	1.5mm
M40	40mm	38.4mm	1.5mm
M50	50mm	48.4mm	1.5mm
M63	63mm	61.4mm	1.5mm
M75	75mm	73.4mm	1.5mm

NOTE: Dimensions are nominal

PG Thread Data

German Standard Thread Conforming to DIN40430

Thread Size	External Thread Outside Diameter	Internal Thread Inside Diameter	Pitch
PG7	12.5mm	11.3mm	1.27mm
PG9	15.2mm	13.9mm	1.41mm
PG11	18.6mm	17.3mm	1.41mm
PG13.5	20.4mm	19.1mm	1.41mm
PG16	22.5mm	21.2mm	1.41mm
PG21	28.3mm	26.8mm	1.59mm
PG29	37mm	35.5mm	1.59mm
PG36	47mm	45.5mm	1.59mm
PG42	54mm	52.5mm	1.59mm
PG48	59.3mm	57.8mm	1.59mm

NOTE: Dimensions are nominal

8

PF Thread Data

Japanese Conduit Thread Conforming to JIS B 0202

Thread Size	External Thread Outside Diameter	Internal Thread Inside Diameter	Pitch
1/4"	13mm		1.34mm
3/8"	16.7mm	15.0mm	1.34mm
1/2"	21.0mm	18.6mm	1.81mm
3/4"	26.4mm	24.1mm	1.81mm
1"	33.3mm	30.3mm	2.31mm
1 1/4"	41.9mm	39.0mm	2.31mm
1 1/2"	47.8mm	44.8mm	2.31mm
2"	59.6mm	56.7mm	2.31mm

NOTE: Dimensions are nominal

NPT Thread Data

US Taper Seal Pipe Thread Conforming to ANSI/ASME B1.20.1 - 1983

Thread Size	External Thread Outside Diameter	Pitch
3/8"	16.7mm	1.14mm
1/2"	21.0mm	1.81mm
3/4"	26.4mm	1.81mm
1"	33.3mm	2.21mm
1 1/4"	41.9mm	2.21mm
1 1/2"	47.8mm	2.21mm
2"	59.6mm	2.21mm

NOTE: Dimensions are nominal

UNEF / UNS Thread Data

American Unified Thread conforming to BS1580

Thread Size	External Thread Outside Diameter	Internal Thread Inside Diameter	Pitch
5/8"	15.9mm	14.7mm	1.06mm
3/4"	19.1mm	17.7mm	1.27mm
13/16"	20.6mm	19.3mm	1.27mm
7/8"	22.2mm	20.9mm	1.27mm
15/16"	23.8mm	22.4mm	1.27mm
1"	25.4mm	24.0mm	1.27mm
1 1/8"	28.6mm	27.0mm	1.41mm
1 3/16"	30.2mm	28.6mm	1.41mm
1 1/4"	31.8mm	30.2mm	1.41mm
1 5/16"	33.3mm	31.8mm	1.41mm
1 3/8"	34.9mm	33.4mm	1.41mm
1 7/16"	36.5mm	35.0mm	1.41mm
1 3/4"	44.5mm	42.9mm	1.41mm
2"	50.8mm	49.3mm	1.59mm
2 1/4"	57.2mm	55.4mm	1.59mm

NOTE: Dimensions are nominal