

## Technical section

### Thread data

#### Metric thread data

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

Standard Thread Conforming to EN60423 & BS3643  
NOTE: Dimensions are nominal

#### PG thread data

Thread size	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch (mm)
PG7	12.5	11.3	1.27
PG9	15.2	13.9	1.41
PG11	18.6	17.3	1.41
PG13,5	20.4	19.1	1.41
PG16	22.5	21.2	1.41
PG21	28.3	26.8	1.59
PG29	37	35.5	1.59
PG36	47	45.5	1.59
PG42	54	52.5	1.59
PG48	59.3	57.8	1.59

German Standard Thread Conforming to DIN40430  
NOTE: Dimensions are nominal

#### PF thread data

Thread size (in)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch (mm)
¼	13	-	1.34
⅜	16.7	15.0	1.34
½	21.0	18.6	1.81
¾	26.4	24.1	1.81
1	33.3	30.3	2.31
1 ¼	41.9	39.0	2.31
1 ½	47.8	44.8	2.31
2	59.6	56.7	2.31

Japanese Conduit Thread Conforming to JIS B 0202  
NOTE: Dimensions are nominal

#### UNEF / UNS thread data

Thread size (in)	External thread outside diameter (mm)	Internal thread inside diameter (mm)	Pitch (mm)
⅝	15.9	14.7	1.06
¾	19.1	17.7	1.27
1 <sup>3</sup> / <sub>16</sub>	20.6	19.3	1.27
7/8	22.2	20.9	1.27
1 <sup>5</sup> / <sub>16</sub>	23.8	22.4	1.27
1	25.4	24.0	1.27
1 ⅛	28.6	27.0	1.41
1 <sup>3</sup> / <sub>16</sub>	30.2	28.6	1.41
1 ¼	31.8	30.2	1.41
1 <sup>9</sup> / <sub>16</sub>	33.3	31.8	1.41
1 <sup>3</sup> / <sub>8</sub>	34.9	33.4	1.41
1 <sup>7</sup> / <sub>16</sub>	36.5	35.0	1.41
1 <sup>3</sup> / <sub>4</sub>	44.5	42.9	1.41
2	50.8	49.3	1.59
2 ¼	57.2	55.4	1.59

American Unified Thread conforming to BS1580  
NOTE: Dimensions are nominal

#### NPT thread data

Thread size (in)	External thread outside diameter (mm)	Pitch (mm)
⅝	16.7	1.14
½	21.0	1.81
¾	26.4	1.81
1	33.3	2.21
1 ¼	41.9	2.21
1 ½	47.8	2.21
2	59.6	2.21

US Taper Seal Pipe Thread Conforming to ANSI/ASME B1.20.1 - 1983  
NOTE: Dimensions are nominal