

Thread Dimension Charts

ISO Metric		
BS 3463 1.5mm Pitch		
Size	Major Dia.	TPI
M16	15.97	16.93
M20	19.97	16.93
M25	24.97	16.93
M32	31.97	16.93
M40	39.97	16.93
M50	49.97	16.93
M63	62.97	16.93
M75	74.97	16.93
2.0mm Pitch		
M80	79.97	12.70
M85	84.97	12.70
M90	89.97	12.70
M100	99.97	12.70

ISO Pipe Thread		
ISO R/7; UNI 6125		
Size	Major Dia.	TPI
3/8"	16.66	19
1/2"	20.96	14
3/4"	26.44	14
1"	33.25	11
1 1/4"	41.91	11
1 1/2"	47.80	11
2"	59.61	11
2 1/2"	75.18	11
3"	87.88	11

Alternate ISO Pipe Thread Designations	
UK	BSP Parallel or Taper BS2279 (BS21)
Europe	G (Parallel) GK (Taper) R (Parallel) RK (Taper)
Japan	PF (Parallel) JIS B 303
CIS	K mpy (Taper)

NPT		
ANSI/ASME B1.20.1		
Size	Pipe Dia.	TPI
1/2"	21.34	14
3/4"	26.67	14
1"	33.40	11.5
1 1/4"	42.16	11.5
1 1/2"	48.26	11.5
2"	60.33	11.5
2 1/2"	73.03	8
3"	88.90	8
3 1/2"	101.60	8
4"	114.30	8

PG		
DIN 40430 (Withdrawn)		
Size	Major Dia.	TPI
PG7	12.50	20
PG9	15.20	18
PG11	18.60	18
PG13.5	20.40	18
PG16	22.50	18
PG21	28.30	16
PG29	37.00	16
PG36	47.00	16
PG42	54.00	16
PG48	59.30	16

ET Imperial Conduit		
BS31		
Size	Major Dia.	TPI
5/8"	15.88	18
3/4"	19.05	16
1"	25.40	16
1 1/4"	31.75	16
1 1/2"	38.10	14
2"	50.80	14
2 1/2"	63.50	14
3"	76.20	14

THREAD DIMENSION SUBSTITUTION CHART

Metric	NPT (or NPS)	PG	ISO Pipe	ET
M16		7, 9		5/8"
M20	1/2"	11, 13.5	1/2"	3/4"
M25	3/4"	16	3/4"	1"
M32	1"	21	1"	1 1/4"
M40	1 1/4"	29	1 1/4"	1 1/2"
M50	1 1/2"	36	1 1/2"	2"
M63	2"	42, 48	2"	2 1/2"
M75	2 1/2"		2 1/2"	3"
M90x2.0	3"		3"	
M100x2.0	3 1/2"			