

# Threads

## Thread Types

Our fittings are available with:

Thread Type	Current Norm	Old Norm
Metric ISO Thread	DIN 13	DIN 13
Pipe Thread	DIN EN ISO 228	ISO 228
Pipe Thread (Tapered + Parallel)	DIN EN 10226, ISO 7/1	DIN 2999, ISO 7/1
NPT-Thread	ANSI/ ASME B1.20.1	ASA B2.1
Coarse Thread	DIN 405	DIN 405
Tapered Thread (short)	DIN 3858	-

## Whitworth Pipe Thread according to ISO 228 and DIN 2999

Thread acc. to ISO 228	Thread acc. to DIN 2999	Nominal $\varnothing$ outside rounded (mm)	Bottom- $\varnothing$ of thread female (mm)	Number of turns per inch = 25.4 mm
G 1/8	R 1/8	10	8.566	28
G 1/4	R 1/4	13	11.445	19
G 3/8	R 3/8	17	14.950	19
G 1/2	R 1/2	21	18.631	14
G 5/8	R 5/8	23	20.587	14
G 3/4	R 3/4	26	24.117	14
G 7/8	R 7/8	30	27.877	14
G 1	R 1	33	30.291	11
G 1 1/4	R 1 1/4	42	38.952	11
G 1 1/2	R 1 1/2	48	44.845	11
G 2	R 2	60	56.656	11
G 2 1/2	R 2 1/2	75	72.226	11
G 3	R 3	88	84.926	11
G 4	R 4	113	110.072	11

## Knuckle Thread DIN 405

Thread (Inch)	Nominal $\varnothing$ outside rounded (mm)	Bottom $\varnothing$ of thread f. (mm)	Number of turns per Inch=25.4 mm
Rd 24x1/8	24	21.14	8
Rd 32x1/8	32	29.14	8
Rd 38x1/8	38	35.14	8
Rd 46x1/6	46	42.19	6
Rd 55x1/6	55	51.19	6
Rd 62x1/6	62	58.19	6
Rd 75x1/6	75	71.19	6
Rd 90x1/6	90	86.19	6
Rd 105x1/4	105	99.28	4
Rd 150x1/4	150	144.28	4

## American Taper Pipe Thread NPT (Abstract of ASA B2.1 - (1960)

Thread (Inch)	Bottom $\varnothing$ outside rounded (mm)	Number of turns per Inch=254 mm
1/8	10.287	27
1/4	13.716	18
3/8	17.145	18
1/2	21.336	14
3/4	26.670	14
1	33.41	11 1/2
1 1/4	42.164	11 1/2
1 1/2	48.260	11 1/2
2	60.325	11 1/2