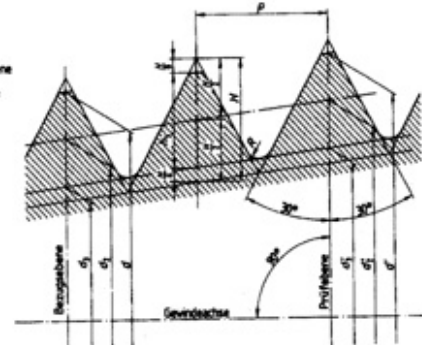
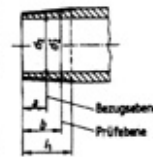


METRIC PIPE TAPERED THREAD

Ref: DIN 158 - 1986

THREAD	PITCH h	MAJOR DIA. d = D	PITCH DIA. d2 = D2	MINOR DIA. d1	DEPTH t
M 8 x 1	1	8	7.350	6.700	0.650
M 10 x 1		10	9.350	8.700	
M 12 x 1		12	11.350	10.700	
M 12 x 1.5	1.5	12	11.026	10.052	0.974
M 14 x 1.5		14	13.026	12.052	
M 16 x 1.5		16	15.026	14.052	
M 18 x 1.5		18	17.026	16.052	
M 20 x 1.5		20	19.026	18.052	
M 22 x 1.5		22	21.026	20.052	
M 24 x 1.5		24	23.026	22.052	
M 26 x 1.5		26	25.026	24.052	
M 30 x 1.5		30	29.026	28.052	
M 36 x 1.5		36	35.026	34.052	



$$d_2 = d - 0.04052 P$$

$$d_3 = d - 1.22987 P$$

$$H = 0.06600 P$$

$$H_1 = 0.04127 P$$

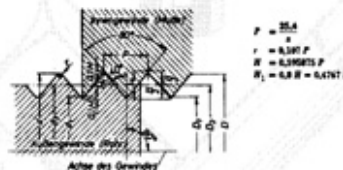
$$H_2 = 0.01343 P$$

$$R = \frac{H}{6} = 0.01434 P$$

Taper Size, Tap Drill Size = Diameter - Pitch - 0.1mm

METRIC CONDUIT THREAD (PG SERIES)

Ref: DIN 40430 - 1971



$$P = \frac{25.4}{N}$$

$$r = 0.397 P$$

$$H = 0.336615 P$$

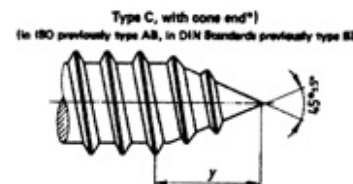
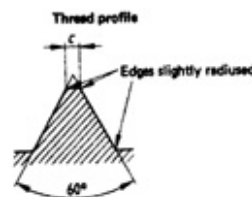
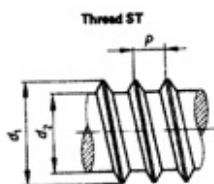
$$H_1 = 0.28 N = 0.4197 P$$

LIMITS

NOM. SIZE	PITCH	THREADS PER INCH	EXTERNAL THREAD						INTERNAL THREAD					
			MAJOR DIA.		PITCH DIA.		MINOR DIA.		MAJOR DIA.		PITCH DIA.		MINOR DIA.	
			max.	min.	max.	min.	max.	min.	min.	max.	min.	max.	min.	max.
PG 7	1.27	20	12.5	12.3	11.89	11.69	11.28	11.08	12.5	12.65	11.89	12.04	11.28	11.43
PG 9	1.41	18	15.2	15	14.53	14.33	13.86	13.66	15.2	15.35	14.53	14.68	13.86	14.01
PG 11	1.41	18	18.6	18.4	17.93	17.73	17.26	17.06	18.6	18.75	17.93	18.08	17.26	17.41
PG 13.5	1.41	18	20.4	20.2	19.73	19.53	19.06	18.86	20.4	20.55	19.73	19.88	19.06	19.21
PG 16	1.41	18	22.5	22.3	21.83	21.63	21.16	20.96	22.5	22.65	21.83	21.98	21.16	21.31
PG 21	1.588	16	28.3	28	27.54	27.24	26.78	26.48	28.3	28.55	27.54	27.79	26.78	27.03
PG 29	1.588	16	37	36.7	36.24	35.94	35.48	35.18	37	37.25	36.24	36.49	35.48	35.73
PG 36	1.588	16	47	46.7	46.24	45.94	45.48	45.18	47	47.25	46.24	46.49	45.48	45.73
PG 42	1.588	16	54	53.7	53.24	52.94	52.48	52.18	54	54.25	53.24	53.49	52.48	52.73
PG 48	1.588	16	59.3	59	58.54	58.25	57.78	57.48	59.3	59.55	58.54	58.79	57.78	58.03

THREADS AND THREAD ENDS FOR TAPPING SCREWS

Ref: DIN 7970 - 1984, ISO 1478



THREAD SIZE	ST 1.5	ST 1.9	ST 2.2	ST 2.6	ST 2.9	ST 3.3	ST 3.5	ST 3.9	ST 4.2	ST 4.8	ST 5.5	ST 6.3	ST 8	ST 9.5
Pitch	0.5	0.6	0.8	0.9	1.1	1.3	1.3	1.4	1.4	1.6	1.8	1.8	2.1	2.1
Major Dia.	max.	1.52	1.9	2.24	2.57	2.9	3.3	3.53	3.91	4.2	5.46	6.25	8	9.65
	min.	1.38	1.76	2.1	2.43	2.76	3.12	3.35	3.73	4.04	4.62	5.28	7.78	9.43
Minor Dia.	max.	0.91	1.24	1.63	1.9	2.18	2.39	2.64	2.92	3.1	3.58	4.17	6.2	7.85
	min.	0.84	1.17	1.52	1.8	2.08	2.29	2.51	2.77	2.95	3.43	3.99	5.99	7.59
y	1.4	1.6	2	2.3	2.6	2.21	3.2	3.5	3.7	4.3	5	6	7.5	8