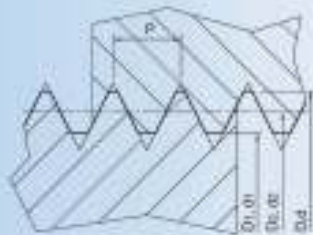


## Thread data

### ISO THREAD (EN 60423)

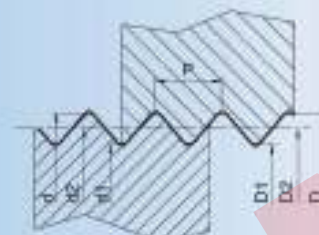


Dimensions in mm

Thread size	Outside thread				Inside Thread		
	Pitch	Outside diam.	Medium diam.	Core diam.	Outside diam.	Medium diam.	Inside diam.
	P	d	d <sub>2</sub>	d <sub>1</sub>	D	D <sub>2</sub>	D <sub>1</sub>
M12	1.5	11.968	10.994	10.128	12	11.028	10.376
M16	1.5	15.968	14.994	14.128	16	15.028	14.376
M20	1.5	19.968	18.994	18.128	20	19.028	18.376
M25	1.5	24.968	23.994	23.128	25	24.028	23.376
M32	1.5	31.968	30.994	30.128	32	31.028	30.376
M40	1.5	39.968	38.994	38.128	40	39.028	38.376
M50	1.5	49.968	48.994	48.128	50	49.028	48.376
M63	1.5	62.968	61.994	61.128	63	62.028	61.376

NOTE: the only thread admitted by CEI EN 50086.

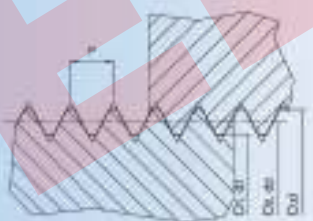
### PG THREAD (DIN 40430)



Dimensions in mm  
1" = 25.4 mm

Thread size	Outside diam. d=D	Medium diam. d <sub>2</sub> = D <sub>2</sub>	Core diam. d <sub>1</sub> = D <sub>1</sub>	Pitch P	tp.L (threads/inch)
PG 7	12.50	11.89	11.28	1.27	20
PG 9	15.20	14.53	13.86	1.41	18
PG 11	18.60	17.93	17.26	1.41	18
PG 13.5	20.40	19.73	19.06	1.41	18
PG 16	22.50	21.83	21.16	1.41	18
PG 21	28.30	27.54	26.78	1.588	16
PG 29	37.00	36.24	35.48	1.588	16
PG 36	47.00	46.24	45.48	1.588	16
PG 42	54.00	53.24	52.48	1.588	16
PG 48	59.30	58.54	57.78	1.588	16

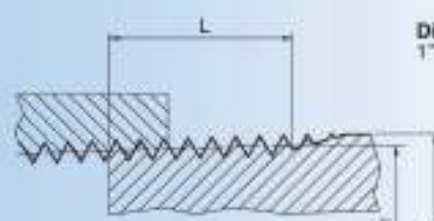
### GAS THREAD (UNI ISO 228)



Dimensions in mm  
1" = 25.4 mm

Thread size	Outside diam. d=D	Medium diam. d <sub>2</sub> = D <sub>2</sub>	Core diam. d <sub>1</sub> = D <sub>1</sub>	Pitch P	tp.L (threads/inch)
G 1/4"	13.157	12.301	11.445	1.337	19
G 3/8"	16.662	15.806	14.950	1.337	19
G 1/2"	20.955	19.793	18.631	1.814	14
G 3/4"	26.441	25.279	24.117	1.814	14
G 1"	33.249	31.770	30.291	2.309	11
G1 1/4"	41.910	40.431	38.952	2.309	11
G1 1/2"	47.803	46.324	44.845	2.309	11
G2"	59.614	58.135	56.656	2.309	11
G2 1/2"	75.184	73.705	72.226	2.309	11
G3"	87.884	86.405	84.926	2.309	11
G4"	113.030	111.551	110.072	2.309	11
G5"	138.430	136.951	135.472	2.309	11

### NPT THREAD (ANSI B 2.1)



Dimensions in mm  
1" = 25.4 mm

Thread size	Outside diam. D	Ext. thread L	Core diam. D <sub>1</sub>	Pitch P	tp.L (threads/inch)
NPT1/4"	13.716	10.206	12.7635	1.411	19
NPT3/8"	17.145	10.358	16.1925	1.411	19
NPT1/2"	21.336	13.558	20.1115	1.814	14
NPT3/4"	26.670	13.861	25.4455	1.814	14
NPT1"	33.401	17.343	31.9100	2.309	11 1/2
NPT1 1/4"	42.164	17.953	40.6730	2.309	11 1/2
NPT1 1/2"	48.260	18.377	46.7690	2.309	11 1/2
NPT2"	60.325	19.215	58.8340	2.309	11 1/2
NPT2 1/2"	73.025	28.892	70.8817	3.175	8
NPT3"	88.900	30.480	86.7567	3.175	8
NPT4"	114.300	33.020	112.1567	3.175	8
NPT5"	141.300	35.720	139.1569	3.175	8