







Thread Gauges Price List 2023-24

Master Metrology

ISO Metric Thread Gauges



Indian Standard		International Organisation For Standards(ISO)	
Basic Dimensions: IS : 4218 Part III – 1999 IS : 4218 Part IV – 2001		Basic Dimensions: ISO : 724 –1993 ISO : 965/1-1998	
Gauging Practice: IS : 2334 : 2001		Gauging Practice: ISO :1502 - 1996	



Nominal Diameter	Pitch	Double Ended Thread Plug	Thread Ring
		GO&NOGO	GO or NOGO
			
		Rs	Rs
1	0.25	2390	8150
1.2	0.25	2390	8150
1.4	0.3	1940	4640
1.6	0.35	1940	4640
1.8	0.35	1940	4640
2	0.4	1200	2200
2.2	0.45	1200	2200
2.5	0.45	1200	2200
	0.35	1750	2730
3	0.5	900	1140
	0.35	1380	1810
3.5	0.6	900	1140
	0.35	1380	1810
4	0.7	900	1110
	0.5	1380	1720
4.5	0.75	900	1590
	0.5	1330	1720
5	0.8	900	1110
	0.5	1330	1720
5.5	0.5	1330	2450
6	1	900	1110
	0.75	1330	1720
7	1	900	1110
	0.75	1330	1720
8	1.25	900	1110
	1	900	1110
	0.75	1330	1720
9	1.25	900	1110
	1	900	1110
	0.75	1330	2200

Nominal Diameter	Pitch	Double Ended Thread Plug	Thread Ring
		GO&NOGO	GO or NOGO
			
		Rs	Rs
10	1.5	900	1110
	1.25	900	1110
	1	900	1110
	0.75	1330	2200
11	1.5	900	1400
	1	900	1400
	0.75	1330	2450
12	1.75	900	1110
	1.5	900	1110
	1.25	900	1110
	1	900	1110
14	0.75	1330	2450
	2	1110	1410
	1.5	1030	1140
	1.25	1030	1140
15	1	1030	1140
	1.5	1590	1910
	1	1590	1910
16	2	1110	1410
	1.5	1030	1200
	1	1030	1200
17	1.5	1570	2070
	1	1570	2070
18	2.5	1450	2070
	2	1240	2070
	1.5	1240	1450
	1	1240	1450
20	2.5	1450	2620
	2	1240	2180
	1.5	1240	1630
	1	1240	1630

Master Metrology



ISO Metric Thread Gauges



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
22	2.5	1450	2620
	2	1240	2180
	1.5	1240	1730
	1	1240	1730
24	3	1500	2780
	2	1270	2190
	1.5	1270	1730
	1	1270	1730
25	2	1500	2450
	1.5	1500	2270
	1	1500	2270
26	1.5	1500	2260
27	3	1970	3250
	2	1590	2430
	1.5	1590	2260
	1	1590	2260
28	2	1590	2450
	1.5	1590	2260
	1	1590	2260
30	3.5	2960	3330
	3	2450	3330
	2	1910	2980
	1.5	1910	2980
	1	1910	3660
32	2	1910	2960
	1.5	1910	2960
33	3.5	2960	3370
	3	2450	3370
	2	1910	2980
	1.5	1910	2980
35	1.5	1910	2960
36	4	2960	3370
	3	2450	3370
	2	1910	2960
	1.5	1910	2960
38	1.5	1910	2960
39	4	2960	3370
	3	2430	3370
	2	1910	2960
	1.5	1910	2960

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
40	3	2430	3370
	2	1910	2980
	1.5	1910	2980
42	4.5	3340	4480
	4	3340	4480
	3	2860	4040
	2	2260	3680
45	1.5	2260	3680
	4.5	3420	4480
	4	3420	4480
	3	2880	4040
48	2	2260	3680
	1.5	2260	3680
	5	4040	4470
50	4	3430	4470
	3	2870	4040
	2	2290	3680
	1.5	2290	3680
52	3	2860	4040
	2	2290	3680
	1.5	2290	3680
	5	4390	5790
	4	4200	5330
55	3	3420	5330
	2	2640	4740
	1.5	2640	4740
	4	4200	5290
56	3	3370	5290
	2	2640	4740
	1.5	2640	4740
	5.5	4370	5790
	4	4200	5290
58	3	3340	5290
	2	2640	4740
	1.5	2640	4740
	4	4210	5290

Master Metrology

ISO Metric Thread Gauges



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
60	5.5	4390	5790
	4	4200	5290
	3	3340	5290
	2	2640	4740
	1.5	2640	4740
62	4	4200	5290
	3	3340	5290
	2	2640	4740
64	6	5260	6660
	4	4200	5290
	3	3340	5290
65	4	4200	5290
	3	3340	5290
	2	2640	4740
	1.5	2640	4740
68	6	5260	6660
	4	4200	5290
	3	3340	5290
	2	2640	4740
70	6	5260	6660
	4	4200	5290
	3	3340	5290
	2	2640	4740
72	6	5260	6660
	4	4200	5290
	3	3340	5290
	2	2640	4740
75	6	5260	6660
	4	4200	5290
	3	3340	5290
	2	2640	4740
75	4	4200	5290
	3	3340	5290
	2	2640	4740
	1.5	2640	4740



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
76	6	6310	7890
	4	5090	6660
	3	2880	6660
	2	3160	6130
	1.5	3160	6130
78	2	3160	6130
80	6	6310	7890
	4	5090	6660
	3	4200	6660
	2	3160	6130
82	1.5	3160	6130
	2	3160	6130
85	6	6310	7890
	4	5090	6660
	3	4200	6660
	2	3160	6130
	1.5	3160	6130
90	6	7800	9810
	4	6310	8240
	3	5090	8240
	2	3860	7540
	1.5	3860	7540
95	6	7800	9810
	4	6310	8240
	3	5090	8240
	2	3860	7540
	1.5	3860	7540
100	6	7800	9810
	4	6310	8240
	3	5090	8240
	2	3860	7540
	1.5	3860	6560

Master Metrology

Unified Thread Gauges

British Standard		American Standard	
Basic Dimensions: B.S. 1580-1962		Basic Dimensions: ANSI/ASME B1.1-1982	
Gauging Practice: B.S. 919 Part I/1960		Gauging Practice: ANSI/ASME B1.2-1983	
Class of Fit for Plug : 2B(Medium)		Class of Fit for Ring: 2A(Medium)	
In absence of instructions on standards, we manufacture as per American standards.			

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
4	40UNC	1110	2110
	48UNF	1110	2110
5	40UNC	1110	2110
	44UNF	1110	2110
6	32UNC	1110	1590
	40UNF	1110	1590
8	32UNC	1030	1590
	36UNF	1030	1590
10	24UNC	990	1590
	32UNF	990	1590
12	24UNC	990	1590
	28UNF	990	1590
1/4"	20UNC	990	1500
	28UNF	990	1500
5/16"	18UNC	990	1500
	24UNF	990	1500
3/8"	16UNC	990	1500
	24UNF	990	1500
7/16"	14UNC	990	1500
	20UNF	990	1500
1/2"	13UNC	990	1500
	20UNF	990	1500
9/16"	12UNC	1240	2030
	18UNF	1240	1940
5/8"	11UNC	1240	1940
	18UNF	1240	1680
3/4"	10UNC	1910	2900
	16UNF	1410	1940
	20UNEF	1910	3160
7/8"	9UNC	1940	2900
	14UNF	1410	1940
	20UNEF	1940	3160

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
1"	8UNC	2200	4130
	12UNF	1410	1940
	20UNEF	2030	3160
1.1/8"	7UNC	3160	5000
	12UNF	2030	2980
	16UN	2030	2980
1.1/4"	7UNC	3160	5090
	8UN	3080	4560
	12UNF	2160	3510
1.3/8"	16UN	2160	3510
	6UNC	1330	5610
	8UN	3080	4560
1.1/2"	12UN	2110	3510
	16UN	2110	3510
	6UNC	3510	5610
1.5/8"	8UN	3080	4560
	12UNF	2110	3510
	16UNF	2110	3510
1.3/4"	8UN	3510	5260
	12UN	2640	3860
	16UN	2640	3860
1.7/8"	5UNC	4200	6310
	8UN	3510	5260
	12UN	2640	3860
	16UN	2640	3860
2"	8UN	3510	5260
	12UN	2640	4040
	16UN	2640	4040
	4.5UNC	4540	7010

Master Metrology

Unified Thread Gauges

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		Rs	Rs
2.1/4"	4.5UNC	4770	8050
	8UN	4080	6580
	12UN	3090	5260
	16UN	3090	5260
2.3/8"	8UN	4130	6580
	12UN	3090	5260
	16UN	3090	5260
2.1/2"	4UNC	5610	8410
	8UN	4130	6580
	12UN	3090	5260
	16UN	3090	5260
2.5/8"	8UN	4130	6580
	12UN	3090	5260
	16UN	3090	5260
2.3/4"	4UNC	5610	8410
	8UN	4130	6660
	12UN	3090	5260
	16UN	3090	5260
2.7/8"	8UN	4130	6490
	12UN	3090	5260
	16UN	3090	5260

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		Rs	Rs
3"	4UNC	6660	10500
	8UN	5260	8760
	12UN	4040	6660
	16UN	4040	6660
3.1/4"	4UNC	6660	10500
	8UN	5260	8760
	12UN	4040	6660
	16UN	4040	6660
3.1/2"	4UNC	8760	13130
	8UN	6400	10500
	12UN	4900	8410
	16UN	4900	8410
3.3/4"	4UNC	8760	13130
	8UN	6400	10500
3.3/4"	12UN	4900	8410
	16UN	4900	8410
4"	4UNC	8760	13130
	8UN	6400	10500
	12UN	4900	8410
	16UN	4900	8410

Master Metrology

B.A. Thread Gauges

Basic Dimensions: B.S. 93-1951

Gauging Practice: B.S. 919, Part I, 1971



Size	Thread Plugs GO & NOGO	Thread Rings GO or NOGO
	Rs	Rs
0BA	3250	4830
1BA	3250	4830
2BA	3250	4830



Size	Thread Plugs GO & NOGO	Thread Rings GO or NOGO
	Rs	Rs
3BA	3250	4830
4BA	3430	5260
5BA	4390	7190
6BA	4390	7190

British Standard Whitworth Form Thread Gauges

Basic Dimensions: B.S. 84-1956

Gauging Practice: B.S. 919, Part II, 1971



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
1/8"	40BSW	3080	5930
3/16"	24BSW	2290	3950
	32BSW	2370	5960
1/4"	20BSW	1970	3900
	26BSF	1970	3900
5/16"	18BSW	1940	3860
	22BSF	1940	3860
3/8"	16BSW	1940	3860
	20BSF	1940	3860
7/16"	14BSW	1940	3860
	18BSW	1940	3860



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
		 Rs	 Rs
1/2"	12BSW	1940	3860
	16BSF	1940	3860
5/8"	11BSW	1330	3860
	14BSF	1940	3860
3/4"	10BSW	3250	7710
	12BSF	1940	5880
7/8"	9BSW	3250	7710
	11BSF	1940	5880
1"	8BSW	4130	7710
	10BSF	3510	7710

Master Metrology

B.S.P. Thread Gauges (G-Series)



Basic Dimensions		Gauging Practice	
B.S.2779 – 1986, IS-2643-1999, ISO 228 Pt 1-2000		B.S.919, Part II, 1971, IS: 10216 -1988 ISO 228 Pt.II-1987	
Class of Fit : Screw Plugs: General. Screw Rings : General (B), Close (A)			
Screw Rings are generally manufactured to Class B unless otherwise specified.			



Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
G 1/16"	28	3430	5180
G1/8"	28	1410	3480
G1/4"	19	1410	2960
G3/8"	19	1410	2960
G1/2"	14	1410	4040
G5/8"	14	1750	4040
G3/4"	14	1750	4040
G7/8"	14	1750	4040
G1"	11	2450	5180
G1.1/8"	11	2450	5180

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
G1.1/4"	11	2450	5180
G1.3/8"	11	2450	5180
G1.1/2"	11	2450	5180
G2"	11	2900	6310
G2.1/2"	11	3250	7010
G3"	11	4200	8760
G4"	11	5260	10850
G5"	11	7890	13660
G6"	11	11750	17150

R/RC (BSPT) Taper Thread Gauges

Standards : Basic Dimensions : BS 21:1985, IS:8999-1979			
Class of Fit : System B for both Screw Rings and Screw Plugs.			

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
1/16"	28	4130	~
1/8"	28	4040	8550
1/4"	19	3340	7010
3/8"	19	3080	6840
1/2"	14	3080	5700
3/4"	14	3080	5700
1"	11	3780	8600

Nominal Diameter	Pitch	Double Ended Thread Plug GO&NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
1.1/4"	11	3780	8620
1.1/2"	11	3780	8620
2"	11	3780	8620
2.1/2"	11	5610	10500
3"	11	5610	10500
4"	11	8150	15050
5"	11	10160	~
6"	11	10340	~

Master Metrology

N.P.T. Taper Thread Gauges					
Basic Dimensions and Gauging Practices: ANSI / ASME					
B1.20.01.1983					
Class of Fit : Basic / Step-limit.					
Size	T.P.I.	Thread Plugs		Thread Rings	
		L1	L2	L1	L2
		Basic	Min/Max	Basic	Min/Max
		Step	Step	Step	Step
		Rs	Rs	Rs	Rs
1/16"	27	2880	3040	5260	6310
1/8"	27	2880	3040	5260	6310
1/4"	18	2370	2730	4740	5610
3/8"	18	2370	2730	4740	5610
1/2"	14	2370	2730	4040	4740
3/4"	14	2370	2730	4040	4740
1"	11.1/2	2880	3250	5960	7190
1.1/4"	11.1/2	2880	3250	5960	7190
1.1/2"	11.1/2	2880	3250	5960	7190
2"	11.1/2	2880	3250	5960	7190
2.1/2"	8	4560	5090	7350	8760
3"	8	4560	5090	7350	8760
3.1/2"	8	4560	5090	7350	8760
4"	8	7010	7540	11190	12950
4.1/2"	8	7710	8600	~	~
5"	8	7710	8600	~	~
6"	8	8050	9110	~	~

N.G.T. Taper Thread Gauges					
Standards : Basic Dimensions IS:3224:2002					
Gauging Practices : IS:9121 :2005					
Plug Gauges					
Size	Plug		Check Plugs for L1 & L8 Gauges M	Plain Taper Plug	
	L1 Gauge 'B'	L9 Gauge 'A'		Gauge C1	Gauge C2
3/4" -14NGT	2550	2810	3430	1410	1410
Ring Gauges					
Size	L1 Gauge 'E'	L8 Gauge 'D'	Crest Truncation Plain Ring Gauge		
3/4"-14NGT	4730	4880	4200		

Master Metrology

N.P.T.F. Thread Gauges

Basic Dimensions & Gauging Practice to ANSI / ASME B1.20.6/1984B1.20-5-1991

Class of Fit : Basic / Step-limit.



		Plugs				Rings			
		L1	L1	L3	L3	L1	L1	L3	L3
Size	T.P.I.	Basic	Step Limit	Basic	Step Limit	Basic	Step Limit	Basic	Step Limit
		Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
1/16"	27	3480	3950	3860	4560	6490	7190	7710	8760
1/8"	27	3480	3950	3860	4560	6490	7190	8050	8760
1/4"	18	2980	3340	3160	3510	5440	6130	5960	6660
3/8"	18	2980	3340	3160	3510	5440	6130	5960	6660
1/2"	14	2980	3340	3160	3510	5440	6130	5960	6660
3/4"	14	2980	3340	3160	3510	5440	6130	5960	6660
1"	11.1/2	3680	4040	4040	4400	7190	8050	7710	8600
1.1/4"	11.1/2	3680	4040	4040	4400	7190	8050	7710	8600
1.1/2"	11.1/2	3680	4040	4040	4400	7190	8050	7710	8600
2"	11.1/2	3680	4040	4040	4400	7190	8050	7710	8600
2.1/2"	8	5610	6490	6130	6840	8050	8940	8600	9460
3"	8	5610	6490	6130	6840	8050	8940	8600	9460
3.1/2"	8	5610	6490	6130	6840	8050	8940	8600	9460
4"	8	8410	9290	8940	9640	8760	9640	10340	11900

B.S. Cycle Thread Gauges

Standards : Basic Dimensions : B.S. 811 - 1950

Gauging Practice : BS 919 Part 2 :1971

Nominal Diameter	Pitch	Double Ended Thread Plug GO& NOGO	Thread Ring GO or NOGO
			
		Rs	Rs
7/32"	26	1940	3250
1/4"	26	1940	3250
9/32"	26	1940	3250
5/16"	26	1940	3430
3/8"	26	1940	3430
7/16"	16	2030	3590

Nominal Diameter	Pitch	1150	Thread Ring GO or NOGO
			
		Rs	Rs
1/2"	26	2070	3590
9/16"	26	2070	3860
5/8"	26	2160	4130
11/16"	26	2200	4130
3/4"	26	2370	4130
1"	26	2450	4290