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MANIGLEY SWISS

Table of contents for thread plug gauges/ring gauges

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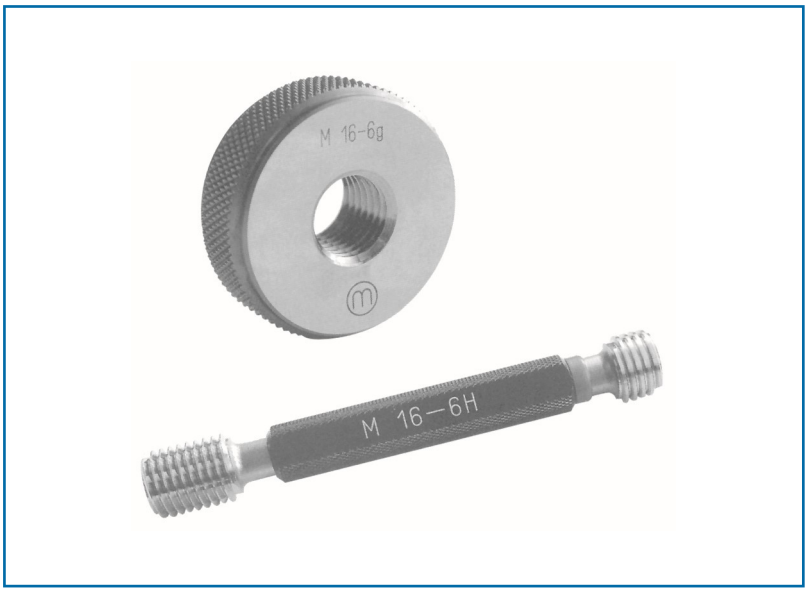

	701	703	704	714
M	●	●	●	●
MF	●	●	●	●
UNC	●	●	●	●
UNF	●	●	●	●
UNEF	●	●	●	
G	●	●	●	

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DIN ISO 1502

M

*ISO-5H 701 / 703
*ISO-6H 704 / 714

ISO-6H
ISO-6g

701

703

704

714

Class of tolerance	ISO(6H)	ISO(6H)	ISO(6H)	ISO(6g)
Type of gauge	go	go/no go	go	no go
d	Art.	Art.	Art.	Art.
M1*	42315	27359	34878	17345
M1.2*	42366	44938	34894	17353
M1.4*	42382	45640	34908	17361
M1.6	29858	45624	34916	17388
M1.7	57398	45616	36307	
M1.8	42390	45969	34940	17396
M2	29939	44776	34959	17418
M2.2	29971	44970	34967	19860
M2.3	41823	55328	36323	
M2.5	40436	46868	34983	20117
M2.6	42420	46078	34991	20184
M3	42439	28525	35009	20192
M3.5	42463	48763	35017	20206
M4	40584	49670	35025	22209
M4.5	40657	57843	35033	22217
M5	40665	63649	35041	22225
M6	57231	63703	56480	22241
M7	40479	63762	35068	22268
M8	42528	63819	35076	22284
M9	85057	85049		
M10	42552	63878	35084	22306
M11	42560	63924	35092	22314
M12	42587	63959	35106	22322
M14	42609	64009	35114	22330
M16	40959	64068	35122	22349
M18	29785	64114	35130	22365
M20	41041	64165	35149	22373
M22	29793	64238	35157	22381
M24	41092	64289	35165	22403
M27	41106	64335	35173	22411
M30	41122	64394	35181	22438
M33	29807	64440	56499	22446
M36	29815	64491	35203	22454
M39	41297	64556	35211	26875
M42	29823	64602	56502	26883
M45	29831	64653	35238	26891
M48	51950	64726	35246	26905
M52	29866	64777	25259	36129

DIN ISO 1502

MF

*ISO-4H 701 / 703
*ISO-4h 704 / 714

ISO-6H
ISO-6g

	701	703	704	714
Class of tolerance	ISO(6H)	ISO(6H)	ISO(6g)	ISO(6g)
Type of gauge	go	go/no go	go	no go
d	Art.	Art.	Art.	Art.
MF2*	28878	28886	35262	
MF2.2*	29025	29033	35270	
MF2.5	29076	29084	35297	44504
MF3	29165	29173	35319	44512
MF3.5	29238	29246	35327	44598
MF4	28304	28312	35335	44601
MF4.5	28401	28428	35343	44628
MF5	27839	27847	35351	44636
MF6	27898	27901	56510	44962
MF7	27952	27960	35378	44997
MF8	28002	28010	35386	45004
MF8	25607	25615	35408	45055
MF9	40819	40835	39535	
MF9	40878	40916	39543	49263
MF10	26980	25305	35394	49352
MF10	46485	46493	35416	49360
MF10	46574	46582	35521	49557
MF11	25437	25445	39551	
MF11	25569	25542	39578	49654
MF12	27626	27634	35424	49662
MF12	27103	27111	56529	49697
MF12	47651	47686	35556	49719
MF14	47775	47759	35432	49727
MF14	47899	47902	35548	49735
MF14	47953	47961	35564	49778
MF15	48593	48607	35440	49824
MF15	48658	48666	35572	49859
MF16	48704	48712	35459	49891
MF16	48771	48798	35580	50709
MF17	46132	46140	39586	
MF18	46191	45063	35467	50970
MF18	45136	45144	35599	51225
MF18	45195	45209	40150	51802
MF20	45241	45268	35475	51977
MF20	45314	45322	35602	51985
MF20	45454	45403	40509	53090
MF22	49476	49484	35483	54917
MF22	49522	49549	35610	54925
MF22	49220	49212	40568	54933
MF24	46280	46299	35491	54941
MF24	48348	48364	35629	54968
MF24	48437	48496	35785	55077
MF25	44784	44792	35505	55085
MF25	44849	44857	35637	55298
MF25	48038	48046	35793	55301
MF26	48143	48151	40606	55352
MF27	47090	47120	40827	55638
MF27	47228	47236	35645	55646
MF27	47325	47333	35087	57312
MF28	47406	47414	41033	57320

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ANSI/ASME B1.2

UNC
2B
2A

701 703 704 714

Norm/Norme/ Norm			ANSI/ASME B1.2		ANSI/ASME B1.2	
Class of tolerance			2B	2B	-2A	-2A
Type of gauge			go	go/no go	go	go no go
p*	d Nom.	d				
0.397	1.854	1-64 UNC	Art. 41831	Art. 34479	Art. 43338	Art. 67865
0.454	2.184	2-56 UNC	41920	34487	43346	67873
0.529	2.515	3-48 UNC	42501	34495	43354	67881
0.635	2.845	4-40 UNC	43540	34509	43362	67903
0.635	3.175	5-40 UNC	42692	34517	43389	67911
0.794	3.505	6-32 UNC	42196	34525	43397	67938
0.794	4.166	8-32 UNC	42226	34541	43400	67946
1.058	4.826	10-24 UNC	42227	56448	43419	67954
1.058	5.486	12-24 UNC	43567	34568	43435	67962
1.270	6.350	1/4 -20 UNC	43575	34576	43443	67970
1.411	7.938	5/16 -18 UNC	43583	34584	43451	67989
1.588	9.525	3/8 -16 UNC	43605	34592	43478	67997
1.814	11.113	7/16 -14 UNC	43621	34606	43486	68004
1.954	12.700	1/2 -13 UNC	78220	34614	43494	68012
2.117	14.288	9/16 -12 UNC	43648	34622	43508	
2.309	15.875	5/8 -11 UNC	43710	34630	43516	68039
2.540	19.050	3/4 -10 UNC	43796	34649	43524	68047
2.822	22.225	7/8 -9 UNC	43818	34657	43656	68055
3.175	25.400	1″-8 UNC	43826	34665	43966	68063
3.629	28.575	1 1/8 -7 UNC	43842	35513	43974	
3.629	31.750	1 1/4 -7 UNC	43869	35696	44423	
4.233	34.925	1 3/8 -6 UNC	43893	35882	44431	
4.233	38.100	1 1/2 -6 UNC	43915	35947	44458	
5.080	44.450	1 3/4 -5 UNC	43931	35955	44466	
5.644	50.800	2″-4,5 UNC	43958	35971	44474	

G

ANSI/ASME B1.2

0.794	5.496	12-32 UNEF	70101	64939	48224	68411
0.794	6.350	1/4 -32 UNEF	70102	64947	48232	68438
0.794	7.938	5/16 -32 UNEF	70103	64955	48267	71400
0.794	9.525	3/8 -32 UNEF	70104	64963	48275	68446
0.907	11.112	7/16 -28 UNEF	70105	64971	48453	68462
0.907	12.700	1/2 -28 UNEF	70106	64998	48526	68470
1.058	14.288	9/16 -24 UNEF	70107	65005	48755	68489
1.058	15.875	5/8 -24 UNEF	70108	65013	48801	68497
1.270	19.050	3/4 -20 UNEF	70109	65021	48844	68500
1.270	22.225	7/8 -20 UNEF	70110	65048	48852	68519
1.270	25.400	1-20 UNEF	70111	65056	48879	68527

p*= Pitch in mm

ANSI/ASME B1.2

UNF

2B
2A

701

703

704

714

Norm/Norme/ Norm			ANSI/ASME B1.2		ANSI/ASME B1.2	
Class of tolerance			2B	2B	-2A	-2A
Type of gauge			go	go/no go	go	go no go
p*	d Nom.	d				
0.318	1.524	0-80 UNF	Art. 43125	Art. 34673	Art. 46353	Art. 68152
0.353	1.854	1-72 UNF	42978	34681	46361	68160
0.397	2.184	2-64 UNF	49395	56456	46388	68179
0.454	2.515	3-56 UNF	42986	34703	46647	68187
0.529	2.845	4-48 UNF	42994	34711	46655	68195
0.577	3.175	5-44 UNF	43001	34738	46663	68209
0.635	3.505	6-40 UNF	43028	31852	46671	68217
0.706	4.166	8-36 UNF	43680	34746	46795	68225
0.794	4.826	10-32 UNF	43702	34754	46809	68233
0.907	5.486	12-28 UNF	43036	34762	46876	68241
0.907	6.350	1/4 -28 UNF	43044	34770	46884	68268
1.058	7.938	5/16 -24 UNF	42900	34789	46892	68276
1.058	9.525	3/8 -24 UNF	43745	34797	46930	68284
1.270	11.112	7/16 -20 UNF	43052	34800	46973	68292
1.270	12.700	1/2 -20 UNF	43060	34819	46981	68306
1.411	14.288	9/16 -18 UNF	43761	34827	47301	68314
1.411	15.875	5/8 -18 UNF	57363	34835	47139	68322
1.588	19.050	3/4 -16 UNF	43788	34843	47449	68330
1.814	22.225	7/8 -14 UNF	43079	34851	47465	68349
2.117	25.400	1″-12 UNF	57371	56472	47503	68357
2.117	28.575	1 1/8 -12 UNF	43087	57789	47546	
2.117	31.750	1 1/4 -12 UNF	43095	57797	47554	
2.117	34.925	1 3/8 -12 UNF	43109	57819	47996	
2.117	38.100	1 1/2 -12 UNF	43117	57835	48208	

p*= Pitch in mm

G DIN EN ISO 228-2

		d	P	DIN EN ISO 228-2		DIN EN ISO 228-2	
0.907	9.728	G 1/8	28	27006	27448	36188	
1.337	13.157	G 1/4	19	27014	27472	36196	
1.337	16.662	G 3/8	19	27057	27502	56618	
1.814	20.995	G 1/2	14	27200	27553	36218	
1.814	22.911	G 5/8	14	27235	27596	36226	
1.814	26.441	G 3/4	14	27243	27677	36234	
1.814	30.201	G 7/8	14	27251	27731	36242	
2.309	33.249	G1	11	27278	27774	3625	
2.309	37.897	G1 1/8	11	27286	27871	36269	
2.309	41.910	G1 1/4	11	27294	28029	36277	
2.309	44.323	G1 3/8	11	27308	28185	36285	
2.309	47.803	G1 1/2	11	27316	28223	36293	
2.309	53.746	G1	11	27324	28266	36315	
2.309	59.614	G2 1/4	11	27367	28347	36331	
2.390	65.710	G2 1/2	11	27375	28398	56626	
2.309	75.184	G2 3/4	11	27383	28592	36358	
2.309	81.534	G2	11	27391	29676	36366	
2.309	87.884	G3	11	27405	28827	36374	

p*= Pitch in mm p = threads/1″