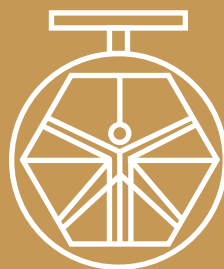


**GROUP 100
BUTTERFLY
VALVES MOD.
130B/05**



**DAVINCI
VALVES™**

TECHNICAL DATA SHEET

WATER Series

**BUTTERFLY VALVES
DOUBLE ECCENTRIC**

**DAVINCI
VALVES™**



**QUALITY
ASSUREMENT**

**DAVINCI
VALVES™**



**PRODUCT QT
ASSUREMENT**

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VALVES™**



**COMPANY QT
ASSUREMENT**

www.davincivalves.com

18 Dongyu Street, Square One,
11th Floor 1101, Jinjiang District,
Chengdu, Sichuan CHINA

10F/Tower A, Billion Center,
1 Wang Kwong Road, Kowloon Bay
Kowloon HONG KONG

BUTTERFLY VALVE DOUBLE ECCENTRIC FLANGED END TYPE SERIE 13/14 ref.130A / PN 25/40

APPLICATION:

Water, HVAC installations, pressurized air, industry, etc.

STANDARDS:

Face to Face: ISO 5752 Series 14(DIN3202 F4)

Mounting between flanges: PN10/16/25/40 EN 1092-2.

Pressure Test: EN 12266-1, DIN 3230, BS6755 y ISO 5208:

Manufacture acc. to the requirements of the EU directive 2014/68/EU

Equipment's under pressure: mod. H.

According to EN 1074-2, with WRAS Certificate for potable Water

WORKING CONDITIONS:

Pressure Ratings: 1.0Mpa; 1.6Mpa;

2.5Mpa 4.0 Mpa

Working Temperature: -10C- 80C

Suitable Media: Water

Consult Factory for other applications

GENERAL CHARACTERISTICS:

Range from ND50 up to ND3000.

Bidirectional

Top Flange according to ISO 5211.

Epoxy paint 250 microns RAL5017

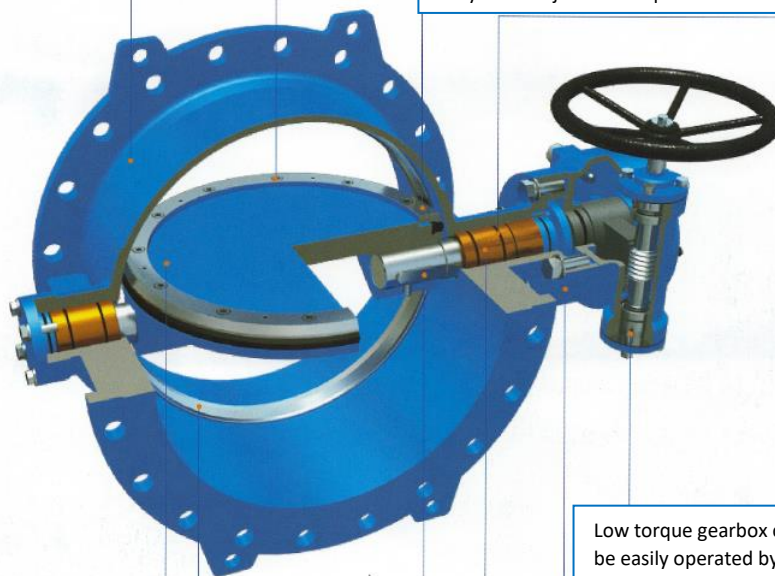


Flange to EN 1092/ISO7005, face to face length to EN588-1/ISO5752 series 13, 14 or 15.

T profiled disc seal ring fixed by retainer ensures the reliable sealing performance in both direction, which is also easy to be adjusted or replaced without any special

Stainless steel fasteners

Multiple shaft O rings provide long life and reliable sealing performance, which is easy to be adjusted or replace.



Streamlined low profiled disc ensures the lower flow resistance.

Disc to shaft connection by means of key, or taper pin.

Low torque gearbox can be easily operated by hand wheel or connect with actuator.

S.steel welded

Self-lubricating bearing of Al-bronze material, free from maintenance

ISO 5211 mounting flange connect with gear box, part-turn actuator

All the components can be substituted with equivalent or higher-class materials.

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BUTTERFLY VALVE DOUBLE ECCENTRIC FLANGED END TYPE SERIE 13/14 ref.130A / PN 25/40

NAME	MATERIAL	SPECIFICATION	REMARKS
Upper Shaft	Stainless Steel	1.4021(SS420)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly valve
Key	Stainless Steel	1.4021(SS420)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly valve
Parking Gland	Ductile Iron	GJS500-7(GGG50), GJ400-15(GGG40)	
	Carbon Steel	1.0619(WCB)	
Shaft Bearing	Bronze	QA19-2,CC331G	
O ring	Rubber	EPDM, NBR	
Pin	Stainless Steel	1.4021(SS420)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly valve
Body	Ductile Iron	GJS500-7(GGG50), GJ400-15(GGG40)	
Disc	Ductile Iron	GJS500-7(GGG50), GJ400-15(GGG40)	
Lining	Rubber	Nature Bubber	for rubber lined butterfly valve
Retainer Ring	Carbon Steel	1.0038(S235JR)	
	Stainless Steel	1.4301(SS304)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly valve
Disc Sealing Ring	Rubber	EPDM, NBR	
Lower Shaft	Stainless Steel	1.4021(SS420)	
	Duplex Stainless Steel	1.4462(S31803)	for rubber lined butterfly valve
End Cover	Ductile Iron	GJS500-7(GGG50), GJ400-15(GGG40)	
Body Sealing Ring	Stainless Steel	1.4301(SS304)	
Bolt	Stainless Steel	A2-70	
		A4-70	for rubber lined butterfly valve

Size: DN100 – DN4200

Pressure: PN6 – PN40

Coating: fusion bonded epoxy coating min.

Thickness: ≥250micron

Suitable medium: water and low-corrosive



Our AWWA C504 butterfly valve is NSF 61 approved product.

Please ask us separately for AWWA C504 butterfly valve catalogue.

All the components can be substituted with equivalent or higher-class materials.

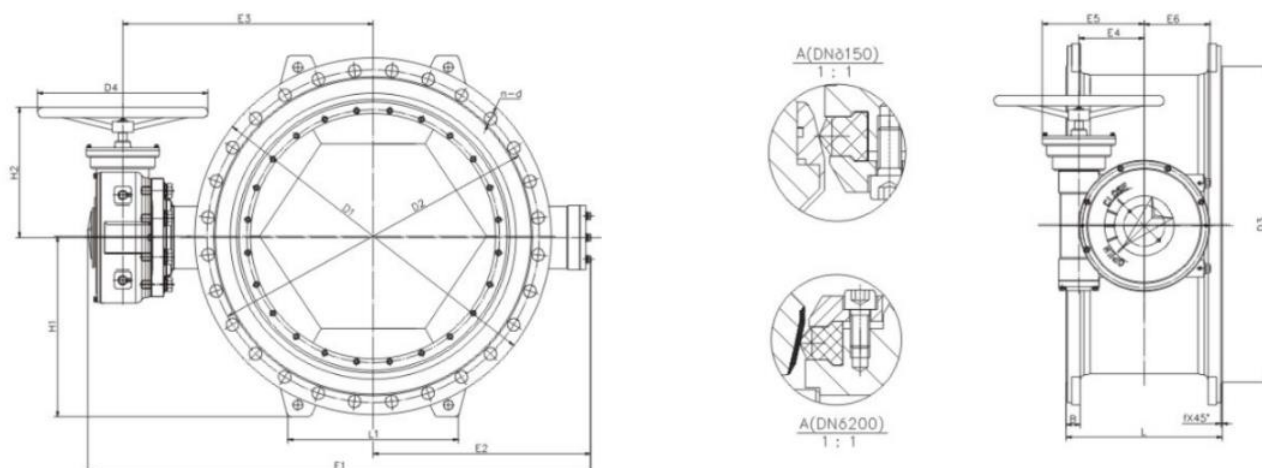
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BUTTERFLY VALVE DOUBLE ECCENTRIC FLANGED END TYPE SERIE 13/14

ref.130A / PN 25/40



PN 10

DIMENSIONS ASTE (mm)

Dimensions																				
PN10	D1	D2	D3	B	f	n-d	H1	H2	E1	E2	E3	E4	E5	E6	L1	D4	ISO5752L Series13 Series14	Weight (KG)		
DN200	340	295	266	20	3	8-23	175	193	526	198	272	64	99	85	196	240	152	230	38	46
DN250	395	350	319	22	3	12-23	202,5	193	568	219	293	64	99	85	240	240	165	250	48	58
DN300	445	400	370	24,5	4	12-23	227,5	233	670	254	351	93,4	135	115	260	320	178	270	70	88
DN350	505	460	429	24,5	4	16-23	257,5	233	720	279	376	93,4	135	115	280	320	190	290	87	105
DN400	565	515	480	24,5	4	16-28	287,5	283	834	320	432	120	169	138	310	400	216	310	117	153
DN450	615	565	530	25,5	4	20-28	312,5	283	903	359	462	120	169	138	340	400	222	330	141	177
DN500	670	620	582	26,5	4	20-28	340	283	988	393	513	120	169	138	370	400	229	350	178	214
DN600	780	725	682	30	5	20-31	395	354	1119	450	580	148	235	166	430	500	267	390	262	330
DN700	895	840	794	32,5	5	24-31	452,5	354	1217	530	598	148	235	166	480	500	292	430	370	438
DN800	1015	950	901	35	5	24-34	512,5	379	1410	614	691	185	272	196	560	500	318	470	517	618
DN900	1115	1050	1001	37,5	5	28-34	562,5	379	1530	675	750	185	272	196	615	500	330	540	681	782
DN1000	1230	1160	1112	40	5	28-37	620	459	1712	748	839	230	359	232	670	600	410	550	1373	1307
DN1200	1455	1380	1328	45	5	32-41	732,5	459	1971	865	981	230	359	232	800	600	470	630	1766	1936
DN1400	1675	1590	1530	46	5	36-44	842,5	584	2313	1011	1138	315	478	360	920	600	530	710	2224	2569
DN1500	1785	1700	1640	48	5	36-44	897,5	584	2489	1112	1213	315	478	360	980	600	565	750		
DN1600	1915	1820	1750	49	5	40-50	962,5	584	2588	1161	1263	315	478	360	1050	600	600	790	3208	3373
DN1800	2115	2020	1950	52	5	44-50	1062,5	704	3038	1324	1501	412	631	440	1162	720	670	870	4146	4800

NOTE. For larger size please inquiry us

TECHNICAL DATA SHEET

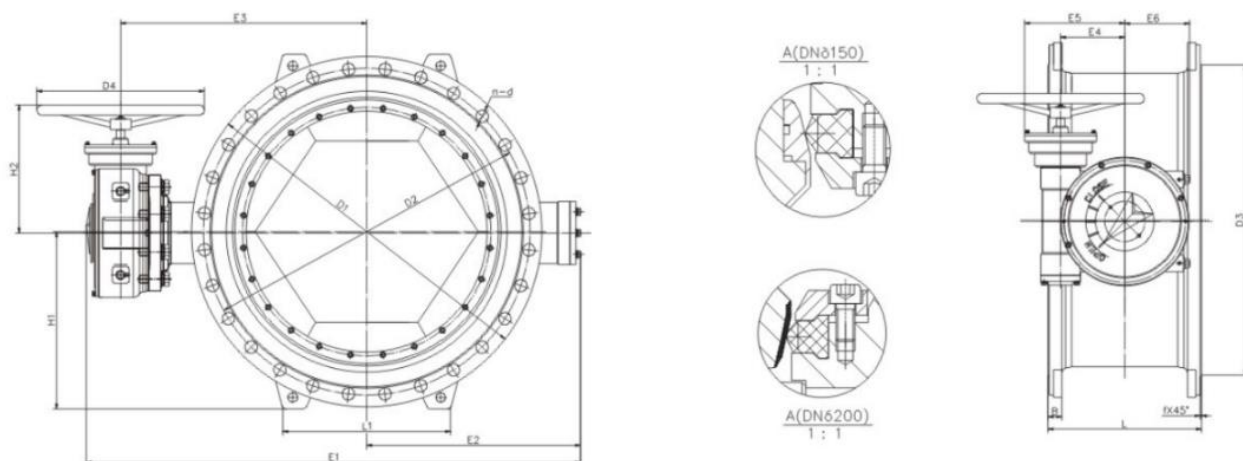
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BUTTERFLY VALVE DOUBLE ECCENTRIC FLANGED END TYPE SERIE 13/14

ref.130A / PN 25/40



DIMENSIONS ASTE (mm)

PN 10

DN16	D1	D2	D3	B	f	n-d	H1	H2	E1	E2	E3	E4	E5	E6	L1	D4	ISO5752L Series13 Series14	Weight (KG)
DN65	185	145	118	19	3	4-19	/	123	340	126	174	31,2	56,2	46	/	120	112	10,5 13,2
DN80	200	160	132	19	3	4-19/4-M16	/	123	352	132	180	31,2	56,2	46	/	120	114	12 14,7
DN100	220	180	156	19	3	8-19	117	155	373	133	194	43,2	73,2	64	150	180	127	16 22
DN150	285	240	211	19	3	8-23	147,5	155	435	164	225	43,2	73,2	64	180	180	140	23 29
DN200	340	295	266	20	3	8-23/4-M20	175	193	526	198	272	64	99	85	196	240	152 230	35 45
DN250	405	355	319	22	3	8-28/4-M24	207,5	233	623	230	328	93,4	135	115	240	320	165 250	60 78
DN300	460	410	370	24,5	4	8-28/4-M24	235	233	670	254	351	93,4	135	115	275	320	178 270	76 94
DN350	520	470	429	26,5	4	12-28/4-M24	265	283	784	295	407	120	169	138	290	400	190 290	108 144
DN400	580	525	480	28	4	12-31/4-M27	295	283	853	334	437	120	169	138	320	400	216 310	139 175
DN450	640	585	548	30	4	16-31/4-M27	325	283	938	368	488	120	169	138	360	400	222 330	184 220
DN500	715	650	609	31,5	4	16-34/4-M30	362,5	354	1019	400	530	148	235	166	395	500	229 350	241 309
DN600	840	770	720	36	5	16-37/4-M33	425	354	1117	480	548	148	235	166	470	500	267 390	360 428
DN700	910	840	794	39,5	5	20-37/4-M33	460	379	1308	563	640	185	272	196	480	500	292 430	469 570
DN750	970	900	855	41	5	20-36/4-M33	490	379	1360	586	669	185	272	196	480	500	305 450	603 704
DN800	1025	950	901	43	5	20-41/4-M36	517,5	379	1426	623	698	185	272	196	560	500	318 470	662 763
DN900	1125	1050	1001	46,5	5	24-41/4-M39	567,5	459	1612	698	789	230	359	232	618	600	330 510	882 1052
DN1000	1255	1170	1112	50	5	24-44/4-M39	635,5	459	1773	766	882	230	359	232	600	600	410 550	1174 1344
DN1200	1485	1390	1328	57	5	28-50/4-M45	747,5	584	2113	910,5	1038	315	478	360	800	600	470 630	1897 2242
DN1400	1685	1590	1530	60	5	32-50/4-M45	847,5	704	2529	1063	1253	412	631	440	920	720	530 710	2902 3556
DN1500	1820	1710	1640	62,5	5	32-57/4-M52	915	704	2633	1120	1300	412	631	440	1000	720	565 750	2557 3211
DN1600	1930	1820	1750	65	5	32-57/4-M52	970	704	2754	1172	1369	412	631	440	1060	720	600 790	3626 4280

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BUTTERFLY VALVE DOUBLE ECCENTRIC FLANGED END TYPE SERIE 13/14

ref.130A / PN 25/40

PN 25

ND	D1	D2	D3	B	f	ISO5752L Series13 Series14	n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4	Weight (KG)
100	235	190	156	19	3	127 190	8-23	127,5	137	187	399	142	209	43,2	73,2	64	160	240	36
150	300	250	211	20	3	140 210	8-28	165	137	187	508	188	264	64	128	86	150	240	53
200	360	310	274	22	3	152 230	12-28	190	178	233	586	221	300	93,4	135	115	220	320	79
250	425	370	330	25	3	165 250	12-31	220	178	233	656	254	337	93,4	135	115	260	320	110
300	485	430	389	28	4	178 270	16-31	250	192	283	757	298	377	120	169	138	300	240	180
350	555	490	448	30	4	190 290	16-34	285	317	378	830	318	430	120	186	138	320	400	198
400	620	550	503	32	4	216 310	16-37	315	315	376	945	370	486	148	214	166	350	400	330
450	670	600	548	34,5	4	222 330	20-37	346	315	376	991	406	496	148	214	166	370	400	398
500	730	660	609	37	4	229 350	20-37	370	346	407	1112	453	554	185	265	196	410	400	538
600	845	770	720	42	5	267 390	20-41	427,5	346	407	1235	495	631	185	265	196	470	400	687
700	960	875	820	46,5	5	292 430	24-44	485	390	451	1439	601	715	230	333	232	530	400	1075
800	1085	990	928	51	5	318 470	24-50	547,5	390	451	1588	668	797	230	333	232	600	400	1325
900	1185	1090	1028	55,5	5	330 510	28-50	595,5	451	512	1669	695	849	230	368	232	655	400	1995
1000	1320	1210	1140	60	5	410 550	24-57/4-M52	665	507	568	1994	844	877	315	453	360	730	400	2450
1200	1530	1420	1350	69	5	470 630	32-57	770	599	660	2398	1008	1179	412	613	440	840	400	3822
1400	1755	1640	1560	74	5	530 710	36-62	882,5	599	660	2667	1150	1306	412	613	440	970	400	5250
1500	1865	1750	1678	77,5	5	565 750	36-62	937,5	599	660	2657	1130	1308	412	613	440	1030	400	6958
1600	1975	1860	1780	81	5	600 790	36-62/4-M56	992,5	777	838	2942	1250	1449	495	725	544	1080	600	7925

PN 40

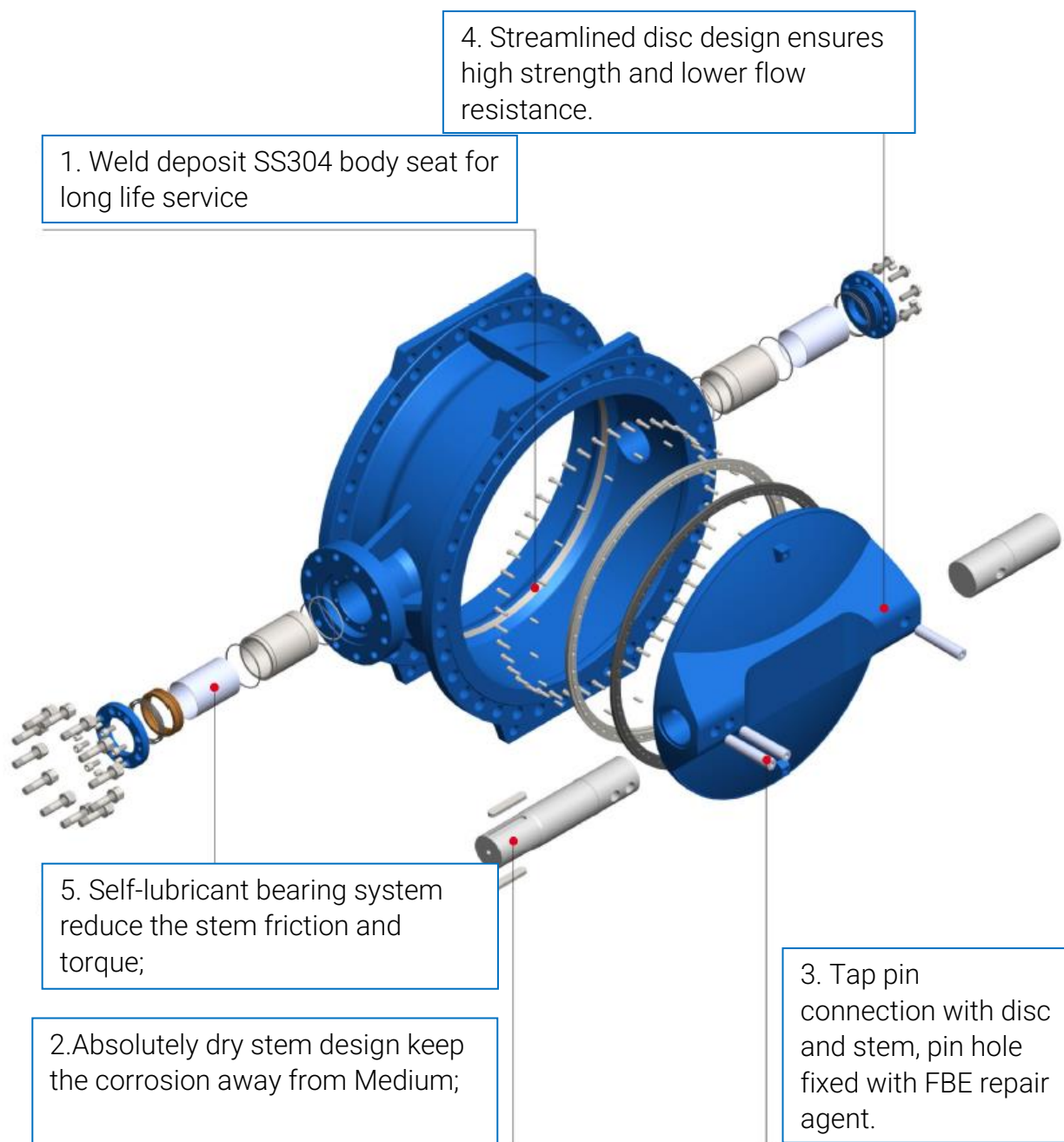
ND	D1	D2	D3	B	f	ISO5752L Series13 Series14	n-d	H1	H2	H3	E1	E2	E3	E4	E5	E6	L1	D4	Weight (KG)
100	235	190	156	19	3	127 190	8-23	122,5	137	193	425	150	219	43,2	78,2	86	120	240	31
150	300	250	211	26	3	140 210	8-28	155	178	233	531	186	280	93,4	135	115	140	320	63
200	375	320	284	30	3	152 230	12-31	192,5	178	233	603	229	309	93,4	135	115	180	320	90
250	450	385	345	35	3	165 250	8-34/4-M30	230	192	283	712	261	369	120	169	138	200	400	158
300	515	450	409	40	4	178 270	12-34/4-M30	262,5	317	378	795	305	408	120	186	138	240	240	265
350	580	510	465	44	4	190 290	12-37/4-M33	295	315	376	904	360	455	148	214	166	320	400	355
400	660	585	535	48	4	216 310	12-41/4-M36	335	315	376	1001	407	505	148	214	166	320	400	405
450	685	610	560	49	4	222 330	16-41/4-M36	347,5	346	407	1067	429	533	185	265	196	320	400	537
500	755	670	615	52	4	229 350	16-44/4-M39	382,5	346	407	1180	477	598	185	265	196	450	400	777
600	890	795	735	58	5	267 390	16-50/4-M45	450	390	451	1363	555	683	230	333	232	500	400	1069
700	995	900	840	64	5	292 430	20-48/4-M45	505	507	568	1625	666	795	315	453	360	560	400	1650
800	1140	1030	960	72	5	318 470	20-56/4-M52	575	507	568	1696	664	868	315	453	360	630	400	2070
900	1250	1140	1070	76	5	330 510	24-56/4-M52	635	507	568	1904	785	955	315	453	360	690	400	3020
1000	1360	1250	1180	80	5	410 550	24-56/4-M52	690	599	660	2039	837	989	412	613	440	740	400	3705
1100	1460	1350	1280	85	5	440 590	24-56/4-M52	735	599	660	2384	997	1174	412	613	440	800	400	4004
1200	1575	1460	1380	88	5	470 630	24-62/8-M52	792,5	777	838	2595	1077	1279	495	725	544	860	600	5790
1400	1795	1680	1600	98	5	530 710	28-62/8-M56	902,5	777	838	2839	1200	1400	495	725	544	1000	600	5888
1500	1925	1800	1715	105	5	565 750	28-70/8-M54	967,5	777	838	3004	1268	1497	495	725	544	1060	600	7045

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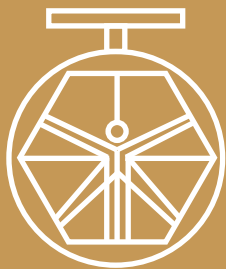


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