



Note: 1 N = 0,102 Kg (force)

D _H	D _d	L ₀	Rate	25%		30%		40%		D	
				3.000.000	1.500.000	Max. Defl.	Approx.				
b x h			N / mm	mm	N	mm	N	mm	N	mm	N
mm	mm	mm									
10	5	25	10	6.3	63	7.5	75	10.0	100	13.5	135
		32	8.5	8.0	68	9.6	82	12.8	109	17.5	149
		38	6.8	9.5	65	11.4	78	15.2	103	20.8	141
		44	6.0	11.0	66	13.2	79	17.6	106	23.9	143
		51	5.0	12.8	64	15.3	77	20.4	102	28.9	145
		64	4.3	16.0	69	19.2	83	25.6	110	36.1	155
		76	3.2	19.0	61	22.8	73	30.4	97	43.2	138
		305	1.1	76.3	84	91.5	101	122.0	134	178.7	197
12.5	6.3	25	17.9	6.3	113	7.5	134	10.0	179	13.2	236
		32	16.4	8.0	131	9.6	157	12.8	210	18.0	295
		38	13.6	9.5	129	11.4	155	15.2	207	21.0	286
		44	12.1	11.0	133	13.2	160	17.6	213	24.0	290
		51	11.4	12.8	146	15.3	174	20.4	233	28.7	327
		64	9.3	16.0	149	19.2	179	25.6	238	35.8	333
		76	7.1	19.0	135	22.8	162	30.4	216	42.7	303
		89	5.4	22.3	120	26.7	144	35.6	192	50.4	272
		102	4.1	25.5	105	30.6	125	40.8	167	58.4	239
		305	1.4	76.3	107	91.5	128	122.0	171	172.0	241
16	8	25	23.4	6.3	147	7.5	176	10.0	234	12.6	295
		32	22.9	8.0	183	9.6	220	12.8	293	16.4	376
		38	19.3	9.5	183	11.4	220	15.2	293	19.7	380
		44	17.1	11.0	188	13.2	226	17.6	301	22.5	385
		51	15.7	12.8	201	15.3	240	20.4	320	26.3	413
		64	10.7	16.0	171	19.2	205	25.6	274	33.3	356
		76	10.0	19.0	190	22.8	228	30.4	304	40.2	402
		89	8.6	22.3	192	26.7	230	35.6	306	47.6	409
		102	7.8	25.5	199	30.6	239	40.8	318	55.4	432
		115	6.6	28.8	190	34.5	228	46.0	304	60.8	401
305	2.5	76.3	191	91.5	229	122.0	305	165.3	413		
20	10	25	55.8	6.3	352	7.5	419	10.0	558	12.1	675
		32	45.0	8.0	360	9.6	432	12.8	576	15.3	689
		38	33.3	9.5	316	11.4	380	15.2	506	18.9	629
		44	30.0	11.0	330	13.2	396	17.6	528	21.5	645
		51	24.5	12.8	314	15.3	375	20.4	500	25.0	613
		64	20.0	16.0	320	19.2	384	25.6	512	31.1	622
		76	16.0	19.0	304	22.8	365	30.4	486	37.3	597
		89	14.0	22.3	312	26.7	374	35.6	498	44.5	623
		102	12.0	25.5	306	30.6	367	40.8	490	51.1	613
		115	10.9	28.8	314	34.5	376	46.0	501	58.2	634
		127	9.5	31.8	302	38.1	362	50.8	483	64.9	617
		139	8.4	35.0	294	42.0	353	56.0	470	71.5	601
		152	7.5	38.0	285	45.6	342	60.8	456	78.8	591
305	4.0	76.3	305	91.5	366	122.0	488	157.4	630		

Order Format: DS1 / DH x L₀

Note: 1 N = 0,102 Kg (force)

D _H	D _d	L ₀	Rate	25%		30%		40%		D			
				3.000.000		1.500.000		Max. Defl.		Approx.			
				mm	N	mm	N	mm	N	mm	N		
25	12.5	25	100.0	6.3	630	7.5	750	10.0	1000	11.9	1190		
		32	80.3	8.0	642	9.6	771	12.8	1028	16.0	1285		
		38	62.0	9.5	589	11.4	707	15.2	942	18.3	1135		
		44	52.9	11.0	582	13.2	698	17.6	931	21.4	1132		
		51	44.0	12.8	563	15.3	673	20.4	898	24.9	1096		
		64	35.2	16.0	563	19.2	676	25.6	901	31.4	1105		
		76	28.0	19.0	532	22.8	638	30.4	851	37.5	1050		
		89	24.0	22.3	535	26.7	641	35.6	854	43.5	1044		
		102	21.1	25.5	538	30.6	646	40.8	861	51.1	1078		
		115	18.7	28.8	539	34.5	645	46.0	860	58.1	1086		
		127	16.7	31.8	531	38.1	636	50.8	848	64.1	1070		
		139	15.3	35.0	536	42.0	643	56.0	857	70.4	1077		
		152	14.0	38.0	532	45.6	638	60.8	851	77.1	1079		
		178	12.5	44.5	556	53.4	668	71.2	890	93.1	1164		
		203	10.4	50.8	528	60.9	633	81.2	844	102.7	1068		
5.4 x 2.7		305	7.0	76.3	534	91.5	641	122.0	854	155.9	1091		
32	16	38	94.0	9.5	893	11.4	1072	15.2	1429	18.3	1720		
		44	79.5	11.0	875	13.2	1049	17.6	1399	21.5	1709		
		51	67.0	12.8	858	15.3	1025	20.4	1367	25.5	1709		
		64	53.0	16.0	848	19.2	1018	25.6	1357	31.9	1691		
		76	44.0	19.0	836	22.8	1003	30.4	1338	38.6	1698		
		89	37.2	22.3	830	26.7	993	35.6	1324	46.5	1730		
		102	32.0	25.5	816	30.6	979	40.8	1306	53.2	1702		
		115	29.0	28.8	835	34.5	1001	46.0	1334	60.0	1740		
		127	25.0	31.8	795	38.1	953	50.8	1270	66.7	1668		
		139	23.0	35.0	805	42.0	966	56.0	1288	71.8	1651		
		152	21.5	38.0	817	45.6	980	60.8	1307	78.5	1688		
		178	18.2	44.5	810	53.4	972	71.2	1296	94.4	1718		
		203	15.8	50.8	803	60.9	962	81.2	1283	107.1	1692		
		254	12.5	63.5	794	76.2	953	101.6	1270	136.5	1706		
		6.8 x 3.3		305	10.3	76.3	786	91.5	942	122.0	1257	162.7	1676
40	20	51	92.0	12.8	1178	15.3	1408	20.4	1877	25.5	2346		
		64	73.0	16.0	1168	19.2	1402	25.6	1869	31.4	2292		
		76	63.0	19.0	1197	22.8	1436	30.4	1915	37.8	2381		
		89	51.0	22.3	1137	26.7	1362	35.6	1816	44.3	2259		
		102	43.0	25.5	1097	30.6	1316	40.8	1754	50.7	2180		
		115	39.6	28.8	1140	34.5	1366	46.0	1822	58.1	2301		
		127	37.0	31.8	1177	38.1	1410	50.8	1880	64.6	2390		
		139	32.0	35.0	1120	42.0	1344	56.0	1792	70.1	2243		
		152	28.0	38.0	1064	45.6	1277	60.8	1702	76.6	2145		
		178	25.2	44.5	1121	53.4	1346	71.2	1794	90.4	2278		
		203	22.7	50.8	1153	60.9	1382	81.2	1843	102.4	2324		
		254	17.0	63.5	1080	76.2	1295	101.6	1727	128.8	2190		
		8.1 x 4.0		305	14.8	76.3	1129	91.5	1354	122.0	1806	156.1	2310
		50	25	64	156	16.0	2496	19.2	2995	25.6	3994	31.0	4836
				76	125	19.0	2375	22.8	2850	30.4	3800	37.2	4650
89	109			22.3	2431	26.7	2910	35.6	3880	43.6	4752		
102	94.0			25.5	2397	30.6	2876	40.8	3835	50.3	4728		
115	81.0			28.8	2333	34.5	2795	46.0	3726	58.1	4706		
127	71.0			31.8	2258	38.1	2705	50.8	3607	63.7	4523		
139	66.5			35.0	2328	42.0	2793	56.0	3724	69.5	4622		
152	60.0			38.0	2280	45.6	2736	60.8	3648	76.5	4590		
178	52.0			44.5	2314	53.4	2777	71.2	3702	91.9	4779		
203	44.0			50.8	2235	60.9	2680	81.2	3573	104.7	4607		
254	35.0			63.5	2223	76.2	2667	101.6	3556	130.6	4571		
10.9 x 5.3				305	28.5	76.3	2175	91.5	2608	122.0	3477	154.9	4415
63	38			76	189	19.0	3591	22.8	4309	30.4	5746	36.5	6899
				89	158	22.3	3523	26.7	4219	35.6	5625	43.4	6857
				102	131	25.5	3341	30.6	4009	40.8	5345	49.7	6511
		115	116	28.8	3341	34.5	4002	46.0	5336	55.6	6450		
		127	103	31.8	3275	38.1	3924	50.8	5232	62.7	6458		
		152	84.3	38.0	3203	45.6	3844	60.8	5125	77.1	6500		
		178	71.5	44.5	3182	53.4	3818	71.2	5091	92.2	6592		
		203	61.7	50.8	3134	60.9	3758	81.2	5010	103.5	6386		
		254	47.0	63.5	2985	76.2	3581	101.6	4775	130.4	6129		
		11.0 x 7.8		305	38.2	76.3	2915	91.5	3495	122.0	4660	157.4	6013

Order Format: DS1 / DH x Lo