



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

D _H	D _d	L ₀	Rate	25%		30%		37,5%		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	16.0	6.3	101	7.5	120	9.4	150	10.2	163
		32	13.0	8.0	104	9.6	125	12.0	156	14.2	185
		38	11.9	9.5	113	11.4	136	14.3	170	16.8	200
		44	10.3	11.0	113	13.2	136	16.5	170	19.4	200
		51	8.9	12.8	114	15.3	136	19.1	170	23.4	208
		64	7.5	16.0	120	19.2	144	24.0	180	28.2	212
		76	5.3	19.0	101	22.8	121	28.5	151	34.2	181
1.9 x 1.3		305	1.6	76.3	122	91.5	146	114.4	183	133.8	214
12.5	6.3	25	30.0	6.3	189	7.5	225	9.4	282	11.9	357
		32	24.8	8.0	198	9.6	238	12.0	298	16.2	402
		38	21.4	9.5	203	11.4	244	14.3	306	18.7	400
		44	18.5	11.0	204	13.2	244	16.5	305	21.3	394
		51	15.5	12.8	198	15.3	237	19.1	296	25.6	397
		64	12.1	16.0	194	19.2	232	24.0	290	32.4	392
		76	10.2	19.0	194	22.8	233	28.5	291	39.0	398
		89	8.4	22.3	187	26.7	224	33.4	281	45.9	386
		102	6.3	25.5	161	30.6	193	38.3	241	52.3	329
2.5 x 1.5		305	2.1	76.3	160	91.5	192	114.4	240	152.5	320
16	8	25	49.4	6.3	311	7.5	371	9.4	464	10.5	519
		32	37.1	8.0	297	9.6	356	12.0	445	13.2	490
		38	33.9	9.5	322	11.4	386	14.3	485	17.2	583
		44	30.0	11.0	330	13.2	396	16.5	495	19.4	582
		51	26.4	12.8	338	15.3	404	19.1	504	24.2	639
		64	20.5	16.0	328	19.2	394	24.0	492	29.2	599
		76	17.8	19.0	338	22.8	406	28.5	507	36.3	646
		89	15.2	22.3	339	26.7	406	33.4	508	41.7	634
		102	13.5	25.5	344	30.6	413	38.3	517	48.9	660
		115	11.8	28.8	340	34.5	407	43.1	509	53.1	627
3.2 x 2.0		305	4.8	76.3	366	91.5	439	114.4	549	141.6	680
20	10	25	98.0	6.3	617	7.5	735	9.4	921	10.5	1029
		32	72.6	8.0	581	9.6	697	12.0	871	13.9	1009
		38	56.0	9.5	532	11.4	638	14.3	801	16.6	930
		44	47.5	11.0	523	13.2	627	16.5	784	18.8	893
		51	41.7	12.8	534	15.3	638	19.1	796	23.1	963
		64	32.3	16.0	517	19.2	620	24.0	775	27.5	888
		76	25.1	19.0	477	22.8	572	28.5	715	33.8	848
		89	22.0	22.3	491	26.7	587	33.4	735	39.7	873
		102	19.8	25.5	505	30.6	606	38.3	758	47.3	937
		115	18.1	28.8	521	34.5	624	43.1	780	52.5	950
		127	16.6	31.8	528	38.1	632	47.6	790	56.9	945
		139	15.1	35.0	529	42.0	634	52.5	793	62.1	938
		152	13.2	38.0	500	45.6	600	57.0	750	67.6	889
		305	6.1	76.3	465	91.5	558	114.4	698	143.4	875
4.1 x 2.4											

Order format: DS2 / DH x L₀

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

D _H	D _d	L ₀	Rate	25%		30%		37,5%		D			
				3.000.000		1.500.000		Max. Defl.		Approx.			
				mm	N	mm	N	mm	N	mm	N		
25	12.5	25	147	6.3	926	7.5	1103	9.4	1382	10.2	1499		
		32	118	8.0	944	9.6	1133	12.0	1416	13.7	1617		
		38	93.0	9.5	884	11.4	1060	14.3	1330	15.7	1460		
		44	80.8	11.0	889	13.2	1067	16.5	1333	18.2	1471		
		51	68.6	12.8	878	15.3	1050	19.1	1310	21.7	1489		
		64	53.0	16.0	848	19.2	1018	24.0	1272	26.0	1378		
		76	43.2	19.0	821	22.8	985	28.5	1231	32.3	1395		
		89	38.2	22.3	852	26.7	1020	33.4	1276	38.0	1452		
		102	33.0	25.5	842	30.6	1010	38.3	1264	43.0	1419		
		115	28.0	28.8	806	34.5	966	43.1	1207	48.6	1361		
		127	25.9	31.8	824	38.1	987	47.6	1233	53.7	1391		
		139	23.2	35.0	812	42.0	974	52.5	1218	59.4	1378		
		152	20.8	38.0	790	45.6	948	57.0	1186	63.8	1327		
		178	17.8	44.5	792	53.4	951	66.8	1189	76.6	1363		
		203	15.8	50.8	803	60.9	962	76.1	1202	88.4	1397		
5.4 x 3.3		305	10.2	76.3	778	91.5	933	114.4	1167	135.1	1378		
32	16	38	185	9.5	1758	11.4	2109	14.3	2646	16.3	3016		
		44	158	11.0	1738	13.2	2086	16.5	2607	18.9	2986		
		51	134	12.8	1715	15.3	2050	19.1	2559	23.1	3095		
		64	99.0	16.0	1584	19.2	1901	24.0	2376	28.5	2822		
		76	80.5	19.0	1530	22.8	1835	28.5	2294	34.2	2753		
		89	69.1	22.3	1541	26.7	1845	33.4	2308	40.4	2792		
		102	58.8	25.5	1499	30.6	1799	38.3	2252	48.0	2822		
		115	51.5	28.8	1483	34.5	1777	43.1	2220	54.3	2796		
		127	44.8	31.8	1425	38.1	1707	47.6	2132	59.2	2652		
		139	42.3	35.0	1481	42.0	1777	52.5	2221	65.3	2762		
		152	37.8	38.0	1436	45.6	1724	57.0	2155	73.0	2759		
		178	32.5	44.5	1446	53.4	1736	66.8	2171	84.5	2746		
		203	28.9	50.8	1468	60.9	1760	76.1	2199	96.9	2800		
		254	21.4	63.5	1359	76.2	1631	95.3	2039	120.9	2587		
		6.8 x 4.0		305	18.3	76.3	1396	91.5	1674	114.4	2094	146.9	2688
40	20	51	181.6	12.8	2324	15.3	2778	19.1	3469	21.4	3886		
		64	140.0	16.0	2240	19.2	2688	24.0	3360	26.8	3752		
		76	108.0	19.0	2052	22.8	2462	28.5	3078	32.7	3532		
		89	90.7	22.3	2023	26.7	2422	33.4	3029	39.0	3537		
		102	81.0	25.5	2066	30.6	2479	38.3	3102	44.1	3572		
		115	71.8	28.8	2068	34.5	2477	43.1	3095	50.6	3633		
		127	62.7	31.8	1994	38.1	2389	47.6	2985	55.9	3505		
		139	57.5	35.0	2013	42.0	2415	52.5	3019	61.8	3554		
		152	51.6	38.0	1961	45.6	2353	57.0	2941	67.5	3483		
		178	44.1	44.5	1962	53.4	2355	66.8	2946	77.2	3405		
		203	36.7	50.8	1864	60.9	2235	76.1	2793	91.8	3369		
		254	30.1	63.5	1911	76.2	2294	95.3	2869	112.7	3392		
		8.2 x 4.7		305	24.6	76.3	1877	91.5	2251	114.4	2814	138.1	3397
		50	25	64	209	16.0	3344	19.2	4013	24.0	5016	28.2	5894
				76	168	19.0	3192	22.8	3830	28.5	4788	34.9	5863
89	140			22.3	3122	26.7	3738	33.4	4676	39.2	5488		
102	119			25.5	3035	30.6	3641	38.3	4558	47.3	5629		
115	106			28.8	3053	34.5	3657	43.1	4569	52.6	5576		
127	97.0			31.8	3085	38.1	3696	47.6	4617	59.8	5801		
139	87.0			35.0	3045	42.0	3654	52.5	4568	65.1	5664		
152	80.0			38.0	3040	45.6	3648	57.0	4560	70.8	5664		
178	69.5			44.5	3093	53.4	3711	66.8	4643	84.2	5852		
203	59.8			50.8	3038	60.9	3642	76.1	4551	96.5	5771		
229	50.9			57.3	2917	68.7	3497	85.9	4372	108.5	5523		
254	43.9			63.5	2788	76.2	3345	95.3	4184	121.8	5347		
11.1 x 5.8				305	38.6	76.3	2945	91.5	3532	114.4	4416	146.8	5666
63	38			76	312	19.0	5928	22.8	7114	28.5	8892	30.7	9578
				89	260	22.3	5798	26.7	6942	33.4	8684	36.5	9490
		102	221	25.5	5636	30.6	6763	38.3	8464	43.6	9636		
		115	187	28.8	5386	34.5	6452	43.1	8060	48.9	9144		
		127	168	31.8	5342	38.1	6401	47.6	7997	54.2	9106		
		152	136	38.0	5168	45.6	6202	57.0	7752	65.7	8935		
		178	114	44.5	5073	53.4	6088	66.8	7615	76.5	8721		
		203	100	50.8	5080	60.9	6090	76.1	7610	88.0	8800		
		229	89.2	57.3	5111	68.7	6128	85.9	7662	103.9	9268		
		254	78.4	63.5	4978	76.2	5974	95.3	7472	112.4	8812		
		11.5 x 9.1		305	64.7	76.3	4937	91.5	5920	114.4	7402	133.8	8657

Order format: DS2 / DH x Lo