



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

D _H	D _d	L ₀	Rate	17%		20%		25%		D	
				3.000.000		1.500.000		Max. Defl.		Approx.	
b x h			N / mm	mm	N	mm	N	mm	N	mm	N
10	5	25	36.8	4.3	158	5.0	184	6.3	232	7.7	283
		32	27.9	5.4	151	6.4	179	8.0	223	10.6	296
		38	23.7	6.5	154	7.6	180	9.5	225	12.6	299
		44	19.2	7.5	144	8.8	169	11.0	211	13.8	265
		51	16.5	8.7	144	10.2	168	12.8	211	16.2	267
		64	13.2	10.9	144	12.8	169	16.0	211	20.4	269
		76	10.9	12.9	141	15.2	166	19.0	207	25.2	275
		305	2.6	51.9	135	61.0	159	76.3	198	110.8	288
		1.9 x 1.6									
12.5	6.3	25	58.5	4.3	252	5.0	293	6.3	369	8.1	474
		32	43.9	5.4	237	6.4	281	8.0	351	9.9	435
		38	36.0	6.5	234	7.6	274	9.5	342	12.9	464
		44	30.3	7.5	227	8.8	267	11.0	333	14.1	427
		51	26.2	8.7	228	10.2	267	12.8	335	17.4	456
		64	21.2	10.9	231	12.8	271	16.0	339	21.0	445
		76	17.1	12.9	221	15.2	260	19.0	325	26.4	451
		89	14.5	15.1	219	17.8	258	22.3	323	31.5	457
		102	12.7	17.3	220	20.4	259	25.5	324	36.0	457
2.6 x 2.0		305	4.3	51.9	223	61.0	262	76.3	328	111.3	479
16	8	25	118	4.3	507	5.0	590	6.3	743	8.5	1003
		32	89.0	5.4	481	6.4	570	8.0	712	11.0	979
		38	72.1	6.5	469	7.6	548	9.5	685	13.2	952
		44	60.9	7.5	457	8.8	536	11.0	670	14.7	895
		51	52.3	8.7	455	10.2	533	12.8	669	17.7	926
		64	41.2	10.9	449	12.8	527	16.0	659	21.9	902
		76	34.1	12.9	440	15.2	518	19.0	648	27.8	948
		89	29.5	15.1	445	17.8	525	22.3	658	31.2	920
		102	25.6	17.3	443	20.4	522	25.5	653	37.9	970
3.2 x 2.9		115	22.4	19.6	439	23.0	515	28.8	645	44.5	997
		305	8.4	51.9	436	61.0	512	76.3	641	113.5	953
20	10	25	293	4.3	1260	5.0	1465	6.3	1846	6.9	2022
		32	224	5.4	1210	6.4	1434	8.0	1792	9.4	2106
		38	177	6.5	1151	7.6	1345	9.5	1682	12.0	2124
		44	149	7.5	1118	8.8	1311	11.0	1639	13.5	2012
		51	128	8.7	1114	10.2	1306	12.8	1638	16.2	2074
		64	99.0	10.9	1079	12.8	1267	16.0	1584	21.2	2099
		76	81.7	12.9	1054	15.2	1242	19.0	1552	24.7	2018
		89	69.5	15.1	1049	17.8	1237	22.3	1550	28.8	2002
		102	60.6	17.3	1048	20.4	1236	25.5	1545	34.8	2109
		115	53.0	19.6	1039	23.0	1219	28.8	1526	39.0	2067
		127	47.5	21.6	1026	25.4	1207	31.8	1511	43.0	2043
		139	43.0	23.8	1023	28.0	1204	35.0	1505	45.3	1948
		152	39.0	25.8	1006	30.4	1186	38.0	1482	50.4	1966
4.1 x 3.8		305	21.2	51.9	1100	61.0	1293	76.3	1618	103.5	2194

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D _H	D _d	L ₀	Rate	17%		20%		25%		D			
				3.000.000		1.500.000		Max. Defl.		Approx.			
				mm	N / mm	mm	N	mm	N	mm	N		
25	12.5	25	459.0	4.3	1974	5.0	2295	6.3	2892	7.3	3351		
		32	374.4	5.4	2022	6.4	2396	8.0	2995	10.7	4006		
		38	346.0	6.5	2249	7.6	2630	9.5	3287	12.0	4152		
		44	244.0	7.5	1830	8.8	2147	11.0	2684	14.4	3514		
		51	207.5	8.7	1805	10.2	2117	12.8	2656	17.4	3611		
		64	161.0	10.9	1755	12.8	2061	16.0	2576	21.4	3445		
		76	130.8	12.9	1687	15.2	1988	19.0	2485	26.9	3519		
		89	110.5	15.1	1669	17.8	1967	22.3	2464	30.9	3414		
		102	96.3	17.3	1666	20.4	1965	25.5	2456	36.7	3534		
		115	85.7	19.6	1680	23.0	1971	28.8	2468	40.3	3454		
		127	76.3	21.6	1648	25.4	1938	31.8	2426	45.1	3441		
		139	68.9	23.8	1640	28.0	1929	35.0	2412	47.6	3280		
		152	63.5	25.8	1638	30.4	1930	38.0	2413	53.5	3397		
		178	53.9	30.3	1633	35.6	1919	44.5	2399	63.9	3444		
203	47.0	34.5	1622	40.6	1908	50.8	2388	70.2	3299				
5.4 x 4.6		305	30.9	51.9	1604	61.0	1885	76.3	2358	110.1	3402		
32	16	38	528.2	6.5	3433	7.6	4014	9.5	5018	11.4	6021		
		44	424.4	7.5	3183	8.8	3735	11.0	4668	13.7	5814		
		51	353.0	8.7	3071	10.2	3601	12.8	4518	15.6	5507		
		64	269.2	10.9	2934	12.8	3446	16.0	4307	20.0	5384		
		76	218.5	12.9	2819	15.2	3321	19.0	4152	24.4	5331		
		89	180.3	15.1	2723	17.8	3209	22.3	4021	29.7	5355		
		102	155.0	17.3	2682	20.4	3162	25.5	3953	35.1	5441		
		115	140.0	19.6	2744	23.0	3220	28.8	4032	39.0	5460		
		127	124.0	21.6	2678	25.4	3150	31.8	3943	42.8	5307		
		139	112.3	23.8	2673	28.0	3144	35.0	3931	48.6	5458		
		152	102.0	25.8	2632	30.4	3101	38.0	3876	52.4	5345		
		178	88.2	30.3	2672	35.6	3140	44.5	3925	60.9	5371		
		203	76.0	34.5	2622	40.6	3086	50.8	3861	69.2	5259		
		254	60.8	43.2	2627	50.8	3089	63.5	3861	88.1	5356		
7.3 x 5.9		305	49.0	51.9	2543	61.0	2989	76.3	3739	104.2	5106		
40	20	51	628	8.7	5464	10.2	6406	12.8	8038	15.0	9420		
		64	487	10.9	5308	12.8	6234	16.0	7792	19.5	9497		
		76	379	12.9	4889	15.2	5761	19.0	7201	23.3	8831		
		89	321	15.1	4847	17.8	5714	22.3	7158	26.7	8571		
		102	281	17.3	4861	20.4	5732	25.5	7166	33.8	9498		
		115	245	19.6	4802	23.0	5635	28.8	7056	36.2	8869		
		127	221	21.6	4774	25.4	5613	31.8	7028	40.7	8995		
		139	190	23.8	4522	28.0	5320	35.0	6650	44.5	8455		
		152	168	25.8	4334	30.4	5107	38.0	6384	49.6	8333		
		178	146	30.3	4424	35.6	5198	44.5	6497	59.9	8745		
		203	132	34.5	4554	40.6	5359	50.8	6706	67.1	8857		
		254	107	43.2	4622	50.8	5436	63.5	6795	86.3	9234		
		8.4 x 7.5		305	87.8	51.9	4557	61.0	5356	76.3	6699	103.6	9096
		50	25	64	709	10.9	7728	12.8	9075	16.0	11344	19.3	13684
76	572			12.9	7379	15.2	8694	19.0	10868	24.2	13842		
89	475			15.1	7173	17.8	8455	22.3	10593	28.0	13300		
102	405			17.3	7007	20.4	8262	25.5	10328	33.5	13568		
115	352			19.6	6899	23.0	8096	28.8	10138	38.6	13587		
127	316			21.6	6826	25.4	8026	31.8	10049	41.4	13082		
139	274			23.8	6521	28.0	7672	35.0	9590	47.3	12960		
152	239			25.8	6166	30.4	7266	38.0	9082	50.2	11998		
178	215			30.3	6515	35.6	7654	44.5	9568	61.1	13137		
203	187			34.5	6452	40.6	7592	50.8	9500	67.7	12660		
254	153			43.2	6610	50.8	7772	63.5	9716	87.0	13311		
11.5 x 9.0				305	127	51.9	6591	61.0	7747	76.3	9690	103.4	13132
63	38			76	952	12.9	12280	15.2	14470	*	*	15.5	14756
				89	819	15.1	12360	17.8	14580	*	*	20.0	19040
		102	700	17.3	12110	20.4	14280	25.5	17850	30.7	21449		
		115	620	19.6	12152	23.0	14260	28.8	17860	34.9	21640		
		127	565	21.6	12204	25.4	14351	31.8	17967	38.0	21470		
		152	458	25.8	11816	30.4	13923	38.0	17404	47.2	21618		
		178	384	30.3	11635	35.6	13670	44.5	17088	55.8	21427		
		203	337	34.5	11627	40.6	13682	50.8	17120	64.8	21838		
		254	263	43.2	11362	50.8	13360	63.5	16701	86.7	22802		
		11.6 x 14.9		305	218	51.9	11314	61.0	13298	76.3	16633	105.7	23043

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