



Verige Škorpio d.o.o. PREDDVOR; SLOVENIJA

DIN 5684

MECHANICAL PROPERTIES

grade 6

grade 8

nominal diameter <i>d</i>	working load capacity of the chain for		proof load kN min.	proof tested tension kN min	breaking load kN min	deflection bending f min.
	motor hoists 1Bm kg	hoists kg				
4	320	400	10	8	16	3
5	500	630	16	12.5	25	4
6	750	900	22.4	18	37.5	5
7	1000	1250	32	25	50	6
8	1250	1600	40	32	63	7
9	1600	2000	50	40	80	7
10	2000	2500	63	50	100	8
11	2500	3000	75	60	125	9
13	3200	4250	106	85	170	11
14	4000	5000	125	100	200	12
16	5000	6300	160	125	250	13
18	6300	8000	200	160	320	15

nominal diameter <i>d</i>	working load capacity of the chain for		proof load kN min.	proof tested tension kN min	breaking load kN min	deflection bending f min.
	motor hoists 1Bm kg	hoists kg				
4	400	500	12.5	10	20	3
5	630	750	20	15	32	4
6	900	1120	28	22.4	45	5
7	1250	1500	40	30	60	6
8	1600	2000	50	40	80	7
9	2000	2500	63	50	100	7
10	2500	3200	80	63	125	8
11	3000	3750	95	75	150	9
13	4250	5300	132	106	212	11
14	5000	6000	150	120	250	12
16	6300	8000	200	160	320	13
18	8000	10000	250	200	400	15
20	10000	12500	320	250	500	16
22	12500	16000	400	320	630	18

With higher surface hardness $5\% \leq \text{breaking extension} < 10\%$
working tension $80/63 \text{ N/mm}^2$ according to DIN 5684 table 4.

With higher surface hardness $5\% \leq \text{breaking extension} < 10\%$
working tension $100/80 \text{ N/mm}^2$ according to DIN 5684 table 4.

SPECIAL QUALITY - SURFACE HARDENED CHAINS - HIGH-TEST

nominal diameter <i>d</i> mm	grade 6-C 1:4:6.3		
	load capacity kg	proof load kN	breaking load kN
4	160	6.4	10
5	250	10	16
6	375	15	22.4
7	500	20	32
8	630	25.2	40
9	800	32	50
10	1000	40	63
11	1250	50	75

nominal diameter <i>d</i> mm	grade 8-C 1:6.3:10		
	load capacity kg	proof load kN	breaking load kN
4	200	12.5	20
5	315	20	31.5
6	450	28	45
7	600	40	60
8	800	50	80
9	1000	63	100
10	1250	80	125
11	1500	95	150

Stamp of the chain producer according to DIN 685, part 4.

Stamp of the chain producer according to DIN 685, part 4.

Nominal chain diameter in mm.

Nominal chain diameter in mm.

