Round Steel Link Chains

Reduced Safe Working Load of Round Steel Link Chains

If Grade 80 - Alloy Slings are used at temperatures exceeding 200°C, then the Working Load Limit has to be reduced acc. to Table 4.

Table 4: Temperature

Safe Working Load indicated in % acc. to Tables 1, 2 or 3 by chain temperatures of:

- 40 to + 200°C	over 200 to 300°C	over 300 to 400°C
100	90	75

Before using the Alloy Slings at temperatures below - 40°C, the manufacturer has to be consulted.

Table 5: Asymmetry

No. of legs	1	2		3		4	
Inclination β max.	-	0° - 45°	46° - 60°	0° - 45°	46° - 60°	0° - 45°	46° - 60°
Load factor	1	1	1	1,4	1	1,4	1



Trade Size	Art.-No. self-coloured	Art.-No. RAL 9005	Art.-No. corrothiel	Nominal Size [d]	Nominal Size Abw./ tol. ±	Pitch [p]	Pitch Abw./ tol. ±	Inside width [w_1] min.	Outside width [w_2] max.	Working Load Limit [t]	Weight app. [kgs]
6-8	F01452	F01453	F01454	6,00	0,24	18,00	0,5	7,80	22,20	1,12	0,8
7-8	F01458	F01459	F01457	7,20	0,20	21,80	0,6	9,45	25,20	1,50	1,1
8-8	F01464	**F01465****	F01429	8,00	0,32	24,00	0,7	10,40	29,60	2,00	1,4
10-8	F01469	**F01470****	F01450	10,00	0,40	30,00	0,9	13,00	37,00	3,15	2,2
13-8	F01474	**F01475****	F01476	13,00	0,52	39,00	1,2	16,90	48,10	5,30	3,8
16-8	F01479	F01480	F01487	16,00	0,64	48,00	1,4	20,80	59,20	8,00	5,7
18-8	F01484	F01485	F04580	18,00	0,90	54,00	1,6	23,40	66,60	10,00	7,3
20-8	F01494	F01495	F04606	20,00	1,00	60,00	1,8	26,00	74,00	12,50	9,0
22-8	F01499	F01500	F04629	22,00	1,10	66,00	2,0	28,60	81,40	15,00	10,9
26-8	F01514	F01515	F04695	26,00	1,30	78,00	2,3	33,80	96,20	21,20	15,2
28-8 *	F01519	F01520	F01521	28,00	1,40	84,00	2,5	36,40	104,00	25,00	17,6
32-8	F01524	F01525	F01526	32,00	1,60	96,00	2,9	41,60	118,00	31,50	23,0
36-8	F01529	F01530	F04814	36,00	1,80	108,00	3,0	46,80	133,00	40,00	29,0
40-8 *	F01534	F01535	F04838	40,00	2,00	120,00	4,0	52,00	148,00	50,00	36,0
45-8 *	F01539	F01540	F04889	45,00	2,30	135,00	4,0	58,50	167,00	63,00	45,5
50-8 *	F01545	F01546	F04900	50,00	2,50	150,00	4,5	67,50	180,00	80,00	56,0
56-8 *	F01555	F01556	F04908	56,00	2,80	170,00	5,0	75,60	201,60	100,00	72,5
63-8 *	–	F01566	–	63,00	3,20	190,00	6,0	88,00	230,00	125,00	89,0

* These sling chains are only available in welded finish

TOP-Articles (see page 13)

Elongation at break, self coloured, min. 25%; bright finished min 20%.

Factor “Working Load Limit” : Proof Force : Breaking Force = 1 : 2,5 : 4 (200 : 500 : 800 N/mm²);