TA10

ROUND STEEL LINK CHAIN XL-200

TWN 0072

Trade Size	Art.-No.	Nominal Size		Pitch		Inside Width w_1	Outside Width w_2	Working Load Limit	Weight approx
		d_n [mm]	Tol. ±	p_n [mm]	Tol.. ±	[mm min.]	[mm max.]	[t max.]	[kg]
6-10	F01616	6	0,22	18	0,5	7,95	22,20	1,40	0,9
7-10	F01621	7	0,38	21	0,7	9,53	25,90	2,00	1,2
8-10	F01617	8	0,45	24	0,7	10,92	29,60	2,60	1,6
10-10	F01618	10	0,54	30	0,9	13,00	37,00	4,00	2,5
13-10	F01619	13	0,69	39	1,2	17,48	48,10	6,80	4,1
16-10	F01620	16	0,86	48	1,4	20,63	59,20	10,30	6,2
18-10	F01642	18	0,98	54	1,6	23,40	66,60	12,50	7,4

Coated with environmentally friendly AQUA-chain lacquer (RAL 7011).

Comparison between Round Steel Link Chains XL-200 and XL-400

Properties \ Grade	XL-400	XL-200
Standard ASTM 973 PAS 1061	PAS 1061	ASTM 973
Material alloyed steel higher alloyed steel	higher alloyed steel	alloyed steel
Temperature Application Range	-30°C up to 380°C reduction starting from 200°C	-20°C up to 205°C
Working Load Limit (WLL)	25 % higher than GK 8	25 % higher than GK 8
Manufacturers Proof Force	min. 2,5 x WLL	min. 2 x WLL
Breaking Force	min. 4 x WLL; up to 7% reduction allowed	min. 4 x WLL
Elongation at break (completed finish)	min. 20 %	min. 20 %
Charpy Notch Value	min. 42J at -20°C	min. 36J at -40°C
Deflection	min. 0,8 x d	min. 0,8 x d
Fatigue	(1,5 x WLL) min. 20.000 LW	no requirement
Material properties (stress corrosion)	according to standard	no requirement
Finish	Galvanizing not allowed	Galvanizing not allowed
Colour (solvent-free)	RAL 7011	RAL 5002
Marking	H4/T3 (NG)-XL, XL-400, Germnay, ID#	T3-(NG)- 10, XL-200, Germany, ID#
Certification	DGUV	THIELE

The Name
for Safety.

THIELE®

TA10

LIFTING CHAINS XL400
TWN 1805

Trade Size	Article-No.	Working Load Limit [t] max.	Nominal Size		Pitch		Inside Width w_1 [mm] min.	Outside Width w_2 [mm] max.	Weight app. [kgs/m]
			d_n [mm]	Tol. ±	p_n [mm]	Tol.. ±			
6-10	F01610B	1,40	6	0,33	18	0,5	7,80	22,20	0,89
8-10	F01615B	2,50	8	0,45	24	0,7	10,92	29,60	1,59
10-10	F01622B	4,00	10	0,54	30	0,9	13,00	37,00	2,48
13-10	F01629B	6,70	13	0,69	39	1,2	17,48	48,10	4,18
16-10	F01635B	10,00	16	0,86	48	1,4	20,80	59,20	6,34
20-10	F01638B	16,00	20	1,08	60	1,8	26,00	74,00	9,91
22-10	F01650B	19,00	22	1,19	66	2,0	28,60	81,40	12,00
26-10	F01660B	26,50	26	1,38	78	2,3	33,80	96,20	16,70
32-10	F01670B	40,00	32	2,20	96	2,9	41,60	118,40	26,10

Comparison between Lifting Chains XL200 and XL400

Properties \ Chain Type	XL400	XL200
Standard	PAS 1061	ASTM 973
Material	high alloyed steel	alloyed steel
Temperature Application Range	-30 °C up to 380 °C; reduction starting > 200 °C	-40 °C up to 205 °C
Working Load Limit (WLL)	25 % higher than GK 8	25 % higher than GK 8
Manufacturers Proof Force (MPF)	min. 2,5 x WLL	min. 2 x WLL
Breaking Force (BF)	min. 4 x WLL; up to 7 % reduction allowed	min. 4 x WLL
Elongation at break (completed finish)	min. 20 %	min. 20 %
Charpy Notch Value	min. 42 J at -20 °C	min. 36 J at -30 °C
Deflection	min. 0,8 x d	min. 0,8 x d
Fatigue	(1,5 x WLL) min. 20.000 LW	no requirement
Material properties (stress corrosion)	according to standard	no requirement
Finish	Galvanizing not permitted	Galvanizing not permitted
Colour (solvent-free)	RAL 5002	RAL 7011
Marking	XL400; Ⓡ-10, Germany, ID-Code	XL200; T3-10, Germany, ID-Code
Certification	DGUV	THIELE
Market compliance	MRL / EAC	MD / EAC