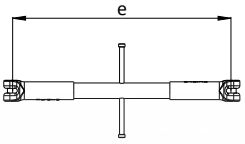
TWN 1454

Chain Tensioners with Toggle (Large Lift)



The grade 100 chain tensioners with toggle TWN 1454 are used as tensioning elements in lashing chains. The chain tensioners can also be used in chain slings for stepless adjustment of strand lengths when lifting loads. These chain tensioners have a particularly large lift. The chain tensioners with toggle and trapezoidal thread achieve a high pretensioning force with little force impact. This property is of fundamental importance when lashing down, as the level of the pretensioning force contributes to load securing. The manufacturing and testing requirements are based on DIN EN 1677-1, under consideration of grade 100 forces.



SAFETY 4 : 1 ↔ 2:1 | DGUV ZERT | 100 %

Trade Size	Article-No.	Working Load LImit [t]	Normal straight load [daN]	Lashing Capacity (LC) [daN]	Dimensions [inch]			Weight app. [kgs]
					e_{max}	e_{min}	lift	
13-10	F341877	6,70	2.600	13.000	675	445	230	7,19
16-10	F341977	10,00	3.100	20.000	830	550	280	11,80

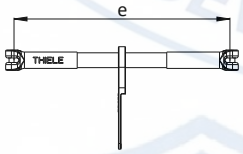
If the products are initially used for lifting, e.g. internal transport, up to the load capacity, they can still be used as lashing products. If lifting products are used for lashing, they may no longer be used for lifting anymore!

TWN 1455

Chain Tensioners with Ratchet (Large Lift)



The grade 100 chain tensioners with ratchet TWN 1455 are used as tensioning elements in lashing chains. The chain tensioners can also be used in chain slings for stepless adjustment of strand lengths when lifting loads. The chain tensioners have a particularly large lift. The chain tensioners with ratchet and trapezoidal thread achieve a high pretensioning force with little force impact. This property is of fundamental importance when lashing down, as the level of the pretensioning force contributes to load securing. The manufacturing and testing requirements are based on DIN EN 1677-1, under consideration of grade 100 forces.



SAFETY 4 : 1 ↔ 2:1 | 100 %

Trade Size	Article-No.	Working Load LImit [t]	Normal straight load [daN]	Lashing Capacity (LC) [daN]	Dimensions [inch]			Weight app. [kgs]
					e_{max}	e_{min}	lift	
13-10	F341878	6,70	2.600	13.000	675	445	230	8,40

If the products are initially used for lifting, e.g. internal transport, up to the load capacity, they can still be used as lashing products. If lifting products are used for lashing, they may no longer be used for lifting anymore!

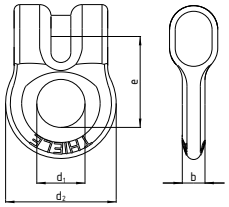
Special Sling Components

TWN 1812

Ring Shackles



The grade 100 ring shackles TWN 1812 are used to connect chains to sling components to assemble chain slings. The manufacturing and testing requirements are based on DIN EN 1677-1, under consideration of grade 100 load capacities.



SAFETY 4 : 1 | 100 %

Trade Size	Article-No.	Working Load Limit [t]	Dimensions [mm]				Weight app. [kgs]
			e	d_1	d_2	b	
6-10	F31704	1,40	31	17	39	8	0,10
8-10	F31714	2,50	37	21	50	11	0,23
10-10	F31724	4,00	46	26	62	14	0,48
13-10	F31734	6,70	59	33	79	18	0,85
16-10	F31744	10,00	76	42	100	23	1,59
22-10 NEW	F31764	19,00	100	57	135	30,5	3,93