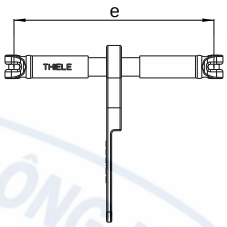
Chain Tensioners with Ratchet

TWN 1451

The grade 80 chain tensioners with ratchet TWN 1451 are used as tensioning elements in lashing chains. The chain tensioners can also be used in chain slings for stepless adjustment of the strand lengths when lifting loads. The manufacturing and testing requirements are based on the DIN EN 1677-1.





Trade Size	Article-No.	Working Load Limit [t]	Normal straight load [daN]	Lashing Capacity (LC) [daN]	Dimensions [mm]			Weight app. [kgs]
					e_{max}	e_{min}	lift	
8-8	F34175	2,00	1.800	4.000	345	270	75	2,50
10-8	F34195	3,15	2.200	6.300	375	275	100	3,50
13-8	F34185	5,30	2.600	10.000	460	330	130	5,00

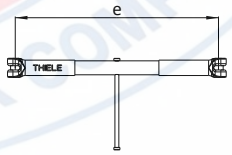
If the products are initially used for lifting, e.g. internal transport, up to the load capacity, they can still be used as lashing products. If lifting products are used for lashing, they may no longer be used for lifting anymore!

Chain Tensioners with Toggle (Large Lift)

TWN 1452

The grade 80 chain tensioners with toggle TWN 1452 are used as tensioning elements in lashing chains. The chain tensioners can also be used in chain slings for stepless adjustment of the strand lengths when lifting loads. The chain tensioners have a particularly large lift. The chain tensioner 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 the DIN EN 1677-1.





Trade Size	Article-No.	Working Load Limit [t]	Normal straight load [daN]	Lashing Capacity (LC) [daN]	Dimensions [mm]			Weight app. [kgs]
					e_{max}	e_{min}	lift	
13-8	F341871	5,30	2.600	10.000	675	445	230	7,20
16-8	F34197	8,00	3.100	16.000	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!

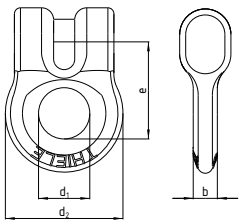
Special Sling Components

Ring Shackles

TWN 0812

The grade 80 ring shackles TWN 0812 are used to connect lifting chains with sling components to assemble chain slings. The manufacturing and testing requirements are based on the DIN EN 1677-1.





Trade Size	Article-No.	Working Load Limit [t]	Dimensions [mm]				Weight app. [kgs]
			e	d_1	d_2	b	
6-8	F31700	1,12	31	17	39	8	0,10
8-8	F31710	2,00	37	21	50	11	0,23
10-8	F31720	3,15	47	26	62	14	0,46
13-8	F31730	5,30	59	33	79	18	0,87
16-8	F31740	8,00	77	42	100	23	1,60
18-8	F31750	10,00	79	47	111	25	2,50
22-8	F31760	15,00	100	55	136	31	3,80