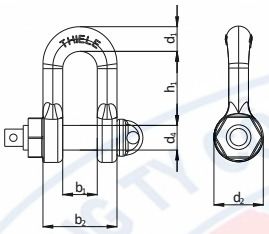
TWN 0871

Bolt Shackles Type C with Nut and Roll Pin





The grade 80 shackles type C with bolt, nut and roll pin TWN 0871 are used as end fittings in chain slings. The shackles can be mounted directly on straps and traverses. The dimensions of the shackles type C comply with the DIN 82101. The manufacturing and testing requirements are based on the DIN EN 1677-1.

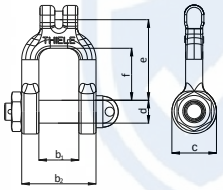
Trade Size	Article-No.	Trade Size [DIN 82101]	Working Load Limit [t]	Dimensions [mm]						Weight app. [kgs]
				h_1	d_1	d_2	d_4	b_1	b_2	
6-8*	Z04147	0,4	1,12	30	10	20	10	14	30	0,10
8-8	Z04145	0,6	2,00	33	12	24	12	16	37	0,20
10-8	F30310	1	3,15	49	15	32	16	21	47	0,42
13-8	F30320	1,6	5,30	61	19	40	20	27	61	0,84
16-8	F30330	2,5	8,00	73	23	48	24	33	75	1,49
18/20-8	F30340	4	12,50	91	29	60	30	42	96	3,10
22-8	F30350	5	15,00	111	33	72	36	47	107	4,50
26-8	F30360	6	21,20	120	37	78	39	53	121	6,30
28-8	F30370	8	25,00	140	41	90	45	60	136	10,10
32-8	F30380	10	31,50	147	45	96	48	66	150	12,30
36-8	F30390	12	40,00	158	50	104	52	73	167	15,23
40-8	F30400	16	50,00	185	55	120	60	81	185	22,20
45-8	F30410	20	63,00	211	61	136	68	90	206	30,86

**Finish: electro galvanized, welded on nut*

TWN 0897

Special Coupling Shackles with Bolt, Nut and Roll Pin





The grade 80 special coupling shackles with bolt, nut and roll pin TWN 0897 are used as end fittings in chain slings. The clevis design enables the direct attachment to the lifting chain. The special coupling shackles can also be mounted directly on straps and traverses. The manufacturing and testing requirements are based on the DIN EN 1677-1.

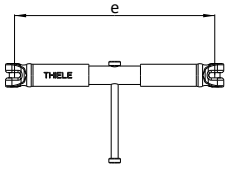
Trade Size	Article-No.	Working Load Limit [t]	Dimensions [mm]						Weight app. [kgs]
			e	d	c	f	b_1	b_2	
6-8	F30586	1,12	70	20	39	46	35	65	0,68
8-8	F30596	2,00	70	20	40	46	35	65	0,77

Chain Tensioners

TWN 1450

Chain Tensioners with Toggle





The grade 80 chain tensioners with toggle TWN 1450 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	F34179	2,00	1.800	4.000	345	270	75	2,10
10-8	F34199	3,15	2.200	6.300	375	275	100	2,70
13-8	F34189	5,30	2.600	10.000	460	330	130	4,00

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!