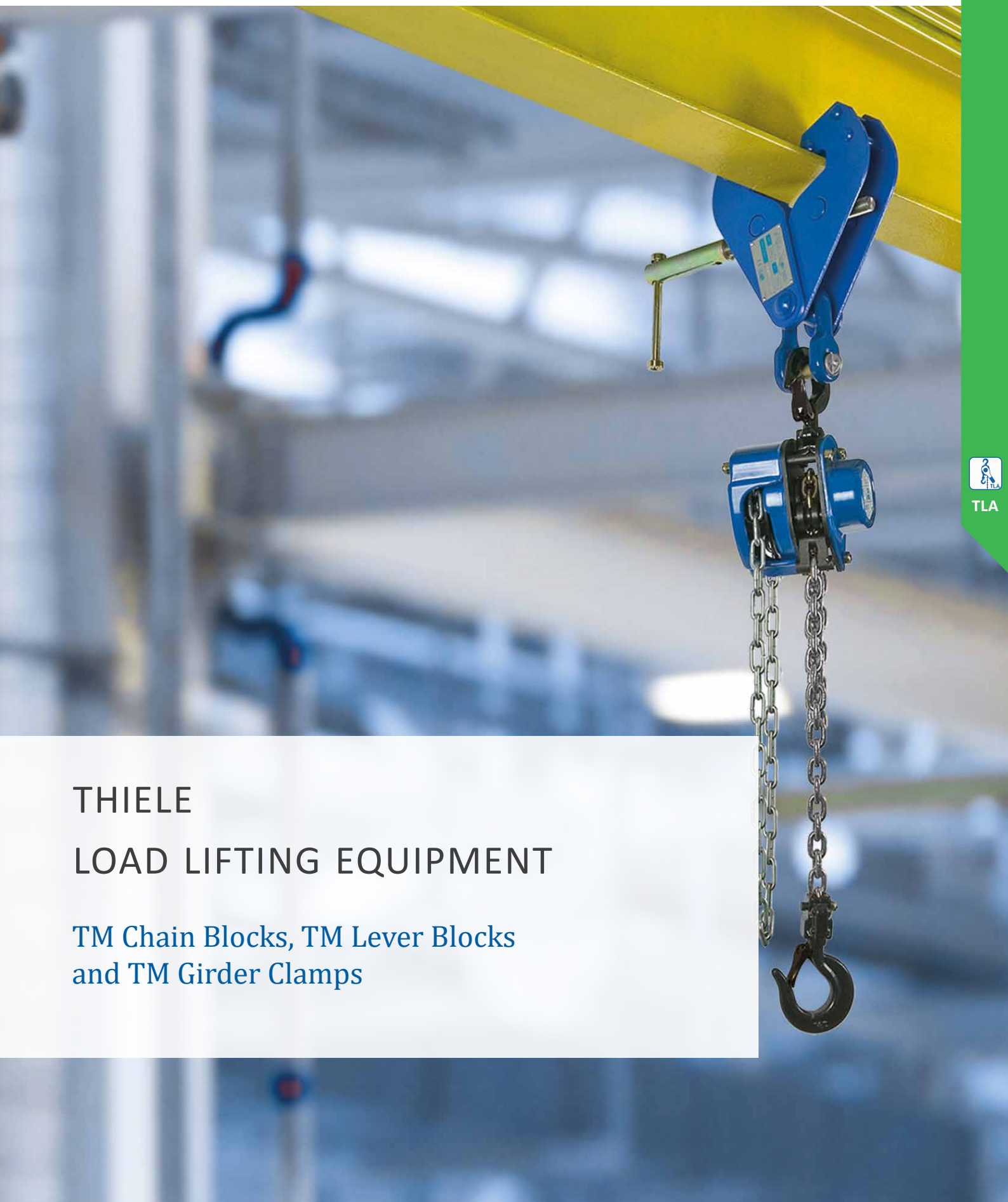


THIELE

LOAD LIFTING EQUIPMENT

TM Chain Blocks, TM Lever Blocks and TM Girder Clamps

TLA

Chain Blocks and Lever Blocks

The THIELE Chain Blocks and Lever Blocks[1)] are equipped with an Overload Protection.

Advantages of the Overload Protection:

- Protects the operator from injury
- Protects the hoists from damages
- Extends the service life compared to no overload protection devices
- Complies with the DIN EN 13157, DGUV 54 und GPSG

Label

[1)] *Except TM-LB 025 Lever Block*

Properties:

- With overload protection *
- Light weight robust steel construction
- THIELE alloy load chain according to the DIN EN 818-7-T
- Minimized headroom
- Minimum effort to raise maximum load
- Hooks with strong casted safety latches
- Approved for tensioning according to the DIN EN 12195-3 (TM Lever Blocks only)
- Fully enclosed gear train (TM Chain Blocks only)
- Protected automatic weston brake with twin pawls
- Galvanized hand chains (TM Chain Blocks only)
- Corrosion protection of galvanized load chain
- Durable baked enamel paint protection
- Standard spare parts available
- TÜV- / GS-certified
- Supplied with THIELE test certificates
- Manuals available in 6 languages

TWN 1000

TM Chain Blocks

Capacities 500 kg
to 5 tonnes

TWN 1001

TM Lever Blocks

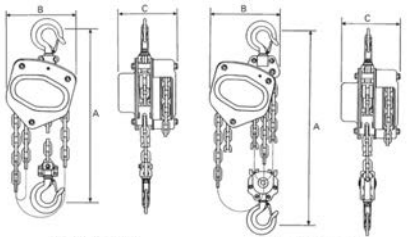
Capacities 250 kg
to 6 tonnes

** TM-LB 025 without overload protection*

TWN 1000

TM Chain Blocks

The TM chain blocks TWN 1000 are hand operated portable devices for pulling, lifting and moving of loads. The integrated slipping clutch works as an overload protection. The galvanized THIELE-load chains TWN 0062 comply with the requirements of the DIN EN 818-7.

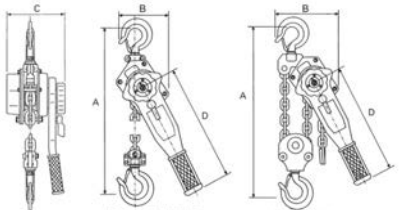


	Unit	TM-B-OP 05N	TM-B-OP 10N	TM-B-OP 20N	TM-B-OP 30N	TM-B-OP 50N
Working Load Limit	[t]	0,5	1,0	2,0	3,0	5,0
Lift app. 3,05 m (10 ft)	[Article-No.]	F063511	F063611	F063711	F063811	F063911
Lift app. 4,60 m (15 ft)	[Article-No.]	F063512	F063612	F063712	F063812	F063912
Lift app. 6,10 m (20 ft)	[Article-No.]	F063513	F063613	F063713	F063813	F063913
Lift app. 9,10 m (30 ft)	[Article-No.]	F063514	F063614	F063714	F063814	F063914
Lift app. 12,20 m (40 ft)	[Article-No.]	F063515	F063615	F063715	F063815	F063915
Chain strands	[pieces]	1	1	1	2	2
Effort to lift for max. Working Load	[kgs] max.	23,00	30,00	35,00	27,00	41,00
Load chain diameter	[mm]	6	6	8	8	10
Headroom (A)	[mm]	270	317	414	465	636
Width (B)	[mm]	127	158	187	210	288
Depth (C)	[mm]	131	140	161	161	190
Hook opening (top)	[mm]	36	42	46	54	64
Hook opening (bottom)	[mm]	36	42	46	54	64
Net weight (for lift 3,00 m)	[kgs]	13,63	16,03	23,76	29,96	28,60
Chain Block only	[Article-No.]	F06353	F06363	F06373	F06383	F06393

TWN 1001

TM Lever Blocks

The TM lever blocks TWN 1001 are hand operated portable devices for pulling, lifting and moving of loads.
They can also be used as lashing devices in accordance to the DIN EN 12195-3. The integrated slipping clutch works as an overload protection. The galvanized THIELE-load chains TWN 0062 comply with the requirements of the DIN EN 818-7.



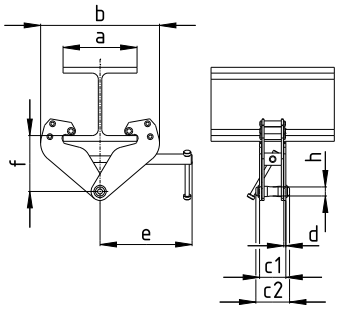
	Unit	TM-LB 025*	TM-LB-OP 075N	TM-LB-OP 150N	TM-LB-OP 300N	TM-LB-OP 600N
Working Load Limit (Lashing Capacity)	[t]	0,25	0,75	1,5	3,0	6,0
Lift app. 1,50 m (5 ft)	[Article-No.]	F061901	F062411	F062511	F062611	F062711
Lift app. 3,05 m (10 ft)	[Article-No.]	F061902	F062412	F062512	F062612	F062712
Lift app. 4,60 m (15 ft)	[Article-No.]	F061903	F062413	F062513	F062613	F062713
Lift app. 6,10 m (20 ft)	[Article-No.]	F061904	F062414	F062514	F062614	F062714
Chain strands	[pieces]	1	1	1	1	2
Effort to lift for max. Working Load	[kgs] max.	2,50	14,00	22,00	32,00	34,00
Load chain diameter	[mm]	4	6	8	10	10
Length of lever handle (D)	[mm]	160	280	410	410	410
Headroom (A)	[mm]	230	325	380	480	620
Width (B)	[mm]	85	136	160	180	235
Depth (C)	[mm]	92	148	172	200	200
Hook opening (top)	[mm]	25	42	46	54	62
Hook opening (bottom)	[mm]	25	42	46	54	62
Net weight (for lift 1,50 m)	[kgs]	2,37	7,10	13,20	21,75	32,97
Lever block only	[Article-No.]	F06192	F06243	F06253	F06263	F06273

**TM-LB 025 without overload protection*

TWN 0899

TM Girder Clamps

The TM girder clamps TWN 0899 are predominantly used as attachment points for lifting gears, e.g. TM chain blocks and TM lever blocks, on steel beam profiles. The girder clamps are fastened over a wide flange width range using spindles.

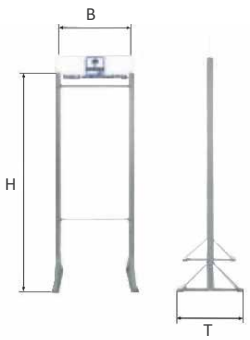


Trade Size	Article-No.	Working Load Limit [t]	Dimensions [mm]										Weight app. [kgs]
			a	b		c_1	c_2	d	e	$f^{1)}$		h	
				min.	max.					min.	max.		
1	Z08133	1,00	75-220	180	370	72	87	5	215	130	160	18,5	4,40
2	Z08134	2,00	75-220	180	370	77	91	6	215	130	160	22	5,10
3	Z08135	3,00	80-320	80	320	105	122	8	275	195	240	25	10,10
5	Z08136	5,00	80-320	80	320	112	129	10	275	195	240	28	11,80

[1] depending on the specific flange width

TM Displays

Modular plug-in unit to display e.g. TM chain block and TM lever blocks.



Article-No.	Dimensions [mm]			Weight app. [kgs]
	B	H	T	
F918186	640	1700	490	21,00

Spare Parts for TM Chain Blocks TWN 1000

TWN 1010 Ratchet Discs T.17

The ratchet discs TWN 1010 are used as spare parts for TM chain blocks TWN 1000.

Article-No.	for TM Chain Block Type	Weight app. [kgs]
Z06928	TM-B-OP 05N	0,06
Z06929	TM-B-OP 10N	0,09
Z06930	TM-B-OP 20N	0,15
Z06931	TM-B-OP 30N	0,15
Z06932	TM-B-OP 50N	0,19

TWN 1011 Friction Discs T.16

The friction discs TWN 1011 are used as spare parts for TM chain blocks TWN 1000.

Article-No.	for TM Chain Block Type	Weight app. [kgs]
Z06934	TM-B-OP 05N	0,01
Z06935	TM-B-OP 10N	0,02
Z06936	TM-B-OP 20N	0,03
Z06937	TM-B-OP 30N	0,03
Z06938	TM-B-OP 50N	0,03

TWN 1013 Safety Latch Sets T.7N

The safety latch sets TWN 1013 consist of safety latch, spring, screw and nut and are used in load hooks of the TM chain blocks TWN 1000.

Article-No.	for TM Chain Block Type	Weight app. [kgs]
Z09944	TM-B-OP 05N	0,02
Z09945	TM-B-OP 10N	0,03
Z09946	TM-B-OP 20N	0,04
Z09947	TM-B-OP 30N	0,05
Z09948	TM-B-OP 50N	0,10

TWN 1015 Top Load Hooks T.6N

The load hooks with attachments TWN 1015 are used as top load hooks in TM chain blocks TWN 1000.

Article-No.	for TM Chain Block Type	Working Load Limit [t] max.	Weight app. [kgs]
Z09939	TM-B-OP 05N	0,50	0,34
Z09940	TM-B-OP 10N	1,00	0,52
Z09941	TM-B-OP 20N	2,00	0,81
Z09942	TM-B-OP 30N	3,00	1,90
Z09943	TM-B-OP 50N	5,00	11,50

TWN 1017 Bottom Load Hooks T.8N

The load hooks with attachments TWN 1017 are used as bottom load hooks in TM chain blocks TWN 1000.

Article-No.	for TM Chain Block Type	Working Load Limit [t] max.	Weight app. [kgs]
Z09949	TM-B-OP 05N	0,50	0,35
Z09950	TM-B-OP 10N	1,00	0,58
Z09951	TM-B-OP 20N	2,00	0,85
Z09952	TM-B-OP 30N	3,00	2,03
Z09953	TM-B-OP 50N	5,00	13,90

Spare Parts for TM Lever Blocks TWN 1001

Friction Disk and Ratchet Disc Sets T.21N

TWN 1012

The friction and ratchet discs TWN 1012 are used as spare clutches for the integrated overload protection of the TM lever blocks TWN 1001.

Article-No.	for TM Lever Block Type	Weight app. [kgs]
Z09455	TM-LB-OP 075N	0,13
Z09454	TM-LB-OP 150N	0,20
Z09456	TM-LB-OP 300N/600N	0,25

Safety Latch Sets T.9N

TWN 1014

The safety latch sets TWN 1014 consist of safety latch, spring, screw and nut and are used in load hooks of the TM lever blocks TWN 1001.

Article-No.	for TM Lever Block Type	Weight app. [kgs]
Z09976	TM-LB-OP 075N	0,03
Z09977	TM-LB-OP 150N	0,04
Z09978	TM-LB-OP 300N	0,05
Z09979	TM-LB-OP 600N	0,06

Top Load Hooks T.8N

TWN 1016

The load hooks with attachments TWN 1016 are used as top load hooks in TM lever blocks TWN 1001.

Article-No.	for TM Lever Block Type	Working Load Limit [t] max.	Weight app. [kgs]
Z09968	TM-LB-OP 075N	0,75	0,49
Z09969	TM-LB-OP 150N	1,50	0,88
Z09970	TM-LB-OP 300N	3,00	2,20
Z09971	TM-LB-OP 600N	6,00	4,50

Bottom Load Hooks T.10N

TWN 1018

The load hooks with attachments TWN 1018 are used as bottom load hooks in TM lever blocks TWN 1001.

Article-No.	for TM Lever Block Type	Working Load Limit [t] max.	Weight app. [kgs]
Z09972	TM-LB-OP 075N	0,75	0,50
Z09973	TM-LB-OP 150N	1,50	0,95
Z09974	TM-LB-OP 300N	3,00	2,50
Z09975	TM-LB-OP 600N	6,00	6,70

Notes