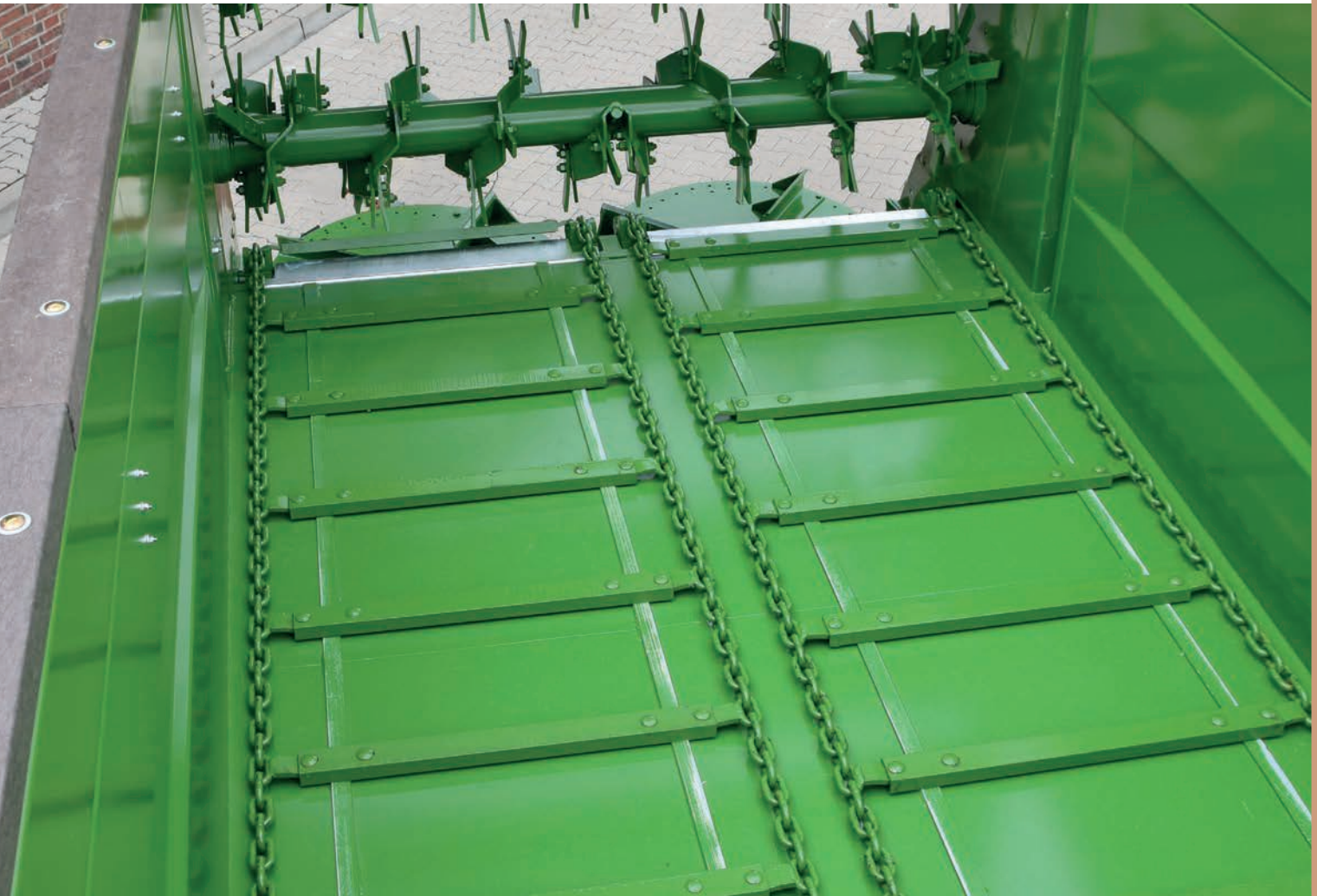




THIELE®



TLK

THIELE FARMING CHAINS

Conveyor Chains for Farming

TWN 5100/3

Round Steel Chains for Loading Wagons and Dung Spreaders

The round steel chains TWN 5100/3 are used in the loading floors of loader wagons and dung spreaders in the agriculture industry. The narrow dimensional tolerances of the calibrated round steel chains allow them to be used on loading floors with parallel 2 or 4 running chain strands (in pairs). The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.



Dimensions	Article-No.	Operating Force [kN] max.	Proof Force [kN] min.	Breaking Force [kN] min.	Measuring Length (11 x p)			Weight app. [kgs/m]
					[mm]	permissible tol.		
8 x 22,8	F05011	18	45,2	64,2	250,8	+1,1	-0,6	1,50
8 x 24	F05031	18	45,2	64,2	264,0	+1,2	-0,6	1,35
8 x 28	F05062	18	45,2	64,2	308,0	+1,4	-0,7	1,30
8 x 31	F05051	18	45,2	64,2	341,0	+1,5	-0,8	1,24
9 x 27	F05072	22,4	57,3	81,3	297,0	+1,3	-0,7	1,80
9 x 31	F05081	22,4	57,3	81,3	341,0	+1,5	-0,8	1,64
9,5 x 27	F05121	25	63,8	90,6	297,0	+1,3	-0,7	2,00
10 x 26,5	F05151	28	70,7	100	291,5	+1,3	-0,7	2,25
10 x 28	F05155	28	70,7	100	308,0	+1,4	-0,7	2,30
10 x 30,5	F05171	28	70,7	100	335,5	+1,5	-0,8	2,20
10 x 31	F05181	28	70,7	100	341,0	+1,5	-0,8	2,10
10 x 35	F05195	28	70,7	100	385,0	+1,7	-0,9	2,10
10 x 38	F05201	28	70,7	100	418,0	+1,9	-1,0	2,08
11 x 31	F05221	33,5	85,5	121	341,0	+1,5	-0,8	2,64
11 x 35	F05230	33,5	85,5	121	385,0	+1,7	-0,9	2,49
12 x 36	F05251	40	102	145	396,0	+1,8	-0,9	3,20
12 x 42	F05261	40	102	145	462,0	+2,1	-1,1	3,00
13 x 36	F05285	47,5	119	170	396,0	+1,8	-0,9	3,80
13 x 45	F05291	47,5	119	170	495,0	+2,2	-1,1	3,45
13,2 x 62	F05302	47,5	123	175	682,0	+3,1	-1,6	3,21
14 x 42	F05331	53	139	197	462,0	+2,1	-1,1	4,12
14 x 50 ²⁾	F131071	53	139	197	550,0	+1,1	-1,1	4,00
14 x 50 ^{2) 3)}	F131002	65	162	240	550,0	+1,1	-1,1	4,00
16 x 56	F05355	71	181	257	616,0	+2,8	-1,4	5,40

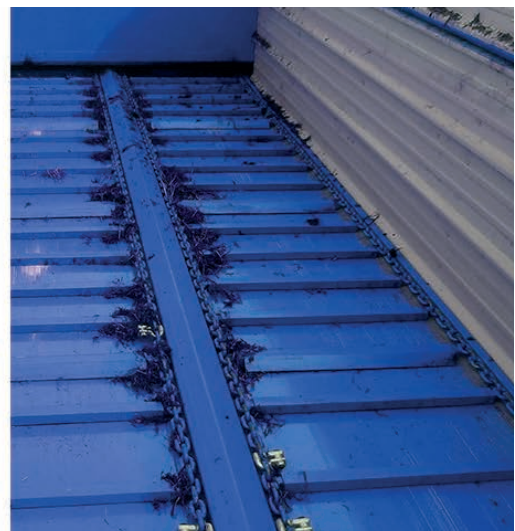
The length tolerance of chain strands for single strand is +0,3 / -0,0 %.

The length tolerance of matched pair chain strands is 0,1 %.

For the measurement of the length of matched pair chain strands, each chain strand must be free of torsion and strained or hanged with 1 % of the corresponding breaking force.

²⁾ Dimensional tolerances according to DIN 22252

³⁾ Increased tensile stress 200 N/mm², production test stress 500 N/mm² and breaking stress 720 N/mm²



Accessoires for Farming Chains

Special Connecting Links Type VG

The special connecting links type VG TWN 5200 are used to connect round steel chains in loader wagons and dung spreaders. The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.

TWN 5200 VG



Dimensions [mm]	Article-No.	Breaking Force [kN] min.	Weight app. [kgs]
8 x 24/ 8 x 22,8	F05500	70	0,066
8 x 31/9 x 31	F05510	85	0,079
8 x 28 *	–	85	0,079
9,5 x 27/ 10 x 26	F05531	90	0,095
10 x 28	F05541	100	0,100
10 x 30,5	F05550	100	0,100
10 x 31/ 11 x 31	F05551	100	0,130
10 x 35	F05555	100	0,100
10 x 38 *	F05560	100	0,100
11 x 35	F05564	100	0,100
12 x 36	F05574	140	0,240
13 x 36	F05570	170	0,240
13 x 45 *	F05575	170	0,255
14 x 42	F05568	190	0,145

* On request

Finish: Bright polished

Minimum order quantity: 50 pieces

Special Connecting Links Type VGG

The special connecting links type VGG TWN 5200 are used to connect round steel chains in loader wagons and dung spreaders. The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.

TWN 5200 VGG



Dimensions [mm]	Article-No.	Breaking Force [kN] min.	Weight app. [kgs]
8 x 31	F05520	85	0,068
10 x 31	F05551	100	0,130
11 x 35	F05556	100	0,130
12 x 42	F05573	140	0,145

Finish: Electro galvanized

Chain Brackets

The chain brackets TWN 0111 are used to connect round steel chains in loader wagons and dung spreaders and enable the mounting of flight bars. The manufacturing and testing requirements comply with the DIN 22253.

TWN 0111



Dimensions [mm]	Article-No.	Breaking Force [kN] min.	Weight app. [kgs]
14 x 50	F25006	190	0,675

With screw M16 x 65 as per DIN 931 ST 8.8 and nut as per DIN 985-1610, suitable for chains as per DIN 22252.



TWN 5201



Special Flight Bar Flanges

The special flight bar flanges TWN 5201 are used to fasten flight bars and round steel chains in loader wagons and dung spreaders. The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.

Dimensions [mm]	Article-No.	Breaking Force [kN] min.	Weight app. [kgs]
8 x 24/8 x 22,8	Z03598	MF8x22,8/24	0,016
8 x 31	Z03599	MF8x31	0,039
9,5 x 27	Z03600	MF9,5x27	0,053
10 x 31	Z03602	MF10x31	0,071
10 x 38	Z03603	MF10x38	0,055

Minimum order quantity: 50 pieces

TWN 5202



Special Hammerhead Screws

The special hammerhead screws TWN 5202 are used to fasten the flight bar flanges with flight bars and round steel chains in loader wagons and dung spreaders.

The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.

Dimensions [mm]	Article-No.	Breaking Force [kN] min.	Weight app. [kgs]
8 x 31	Z03868	HK 8	0,030
9,5 x 27	Z03870	HK 9,5x27	0,022
10 x 31	Z03871	HK 1010	0,035

Minimum order quantity: 50 pieces

TWN 5204



Special Drive Pocket Wheels

The special drive pocket wheels are mounted on shafts below the loading floors of loader wagons and dung spreader vehicles and are working as drive sprockets for the round steel chains. The manufacturing and testing requirements are based on the specifications of the manufacturer THIELE.

Dimensions [mm]	Article-No.	Type	Weight app. [kgs]
9 x 31	Z03584	58 B04	2,90