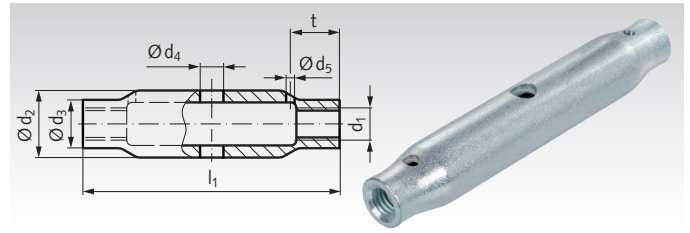


## Turnbuckles DIN 1478, Zinc-Plated

**Material:** Steel S235, galvanic zinc-plated.

These turnbuckle nuts from seamless steel tube are supplied with cross-holes, according to DIN 1478, which serve to check the minimum thread engagement.



Ordering Details: e.g.: Product No. 653 906 00, Turnbuckle DIN 1478, zinc-plated M6

Product No.	d <sub>1</sub> * mm	d <sub>2</sub> mm	d <sub>3</sub> mm	d <sub>4</sub> mm	d <sub>5</sub> mm	l <sub>1</sub> mm	t mm	Adjustability mm	Weight g
653 906 00	M6	17,2	9	6	4	110	9,5	90	120
653 908 00	M8	17,2	12	8	4	110	12	85	140
653 910 00	M10	21,3	15	8	4	125	14	95	190
653 912 00	M12	25,0	18	10	4	125	17	90	250
653 916 00	M16	30,0	22,5	10	4	170	22	120	430
653 920 00	M20	33,7	27	12	4	200	26	140	650
653 924 00	M24	42,4	32	12	4	255	31	180	1100
653 930 00	M30	51,0	38	16	4	255	38	160	1300

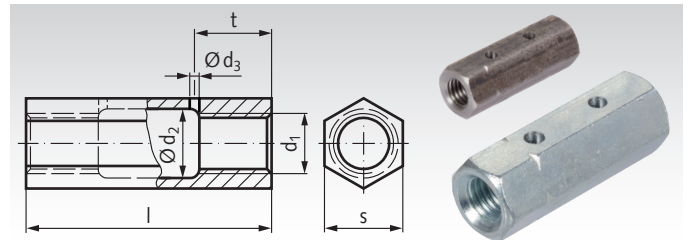
\* One side right-hand thread, other side left-hand thread.

## Turnbuckle Nuts DIN 1479, Untreated or Zinc-Plated

**Material:** Steel C45, either untreated or zinc-plated.

M6 to M16 with overlapping thread, from M20 middle part relieved.

These turnbuckle nuts are supplied with cross-holes, according to DIN 1479, which serve to check the minimum thread engagement.



Ordering Details: e.g.: Product No. 653 808 00, Turnbuckle Nut DIN 1479, M8

Product No. untreated	Product No. zinc-plated	d <sub>1</sub> * mm	d <sub>2</sub> mm	d <sub>3</sub> mm	l mm	s mm	t mm	Adjustability mm	Weight g
-	653 856 00	M6	-	4	30	10	9,5	15	14
653 808 00	653 858 00	M8	-	4	35	13	12	15	26
653 810 00	653 860 00	M10	-	4	45	16	14	21	62
653 812 00	653 862 00	M12	-	4	55	18	17	25	90
653 816 00	653 866 00	M16	-	4	75	24	22	35	180
653 820 00	653 870 00	M20	21	4	95	30	26	47	320
653 824 00	653 874 00	M24	26	4	115	36	31	57	530
653 830 00	653 880 00	M30	32	4	125	46	38	53	1080

\* One side right-hand thread, other side left-hand thread.

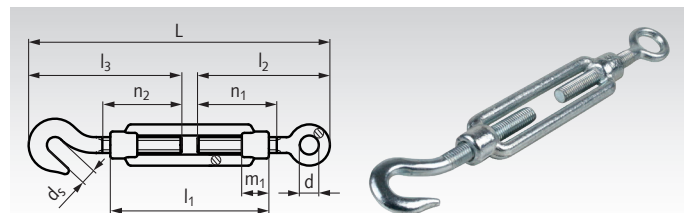
## Turnbuckles DIN 1480, Zinc-Plated, with Hook and Eye

**Material:** Steel S235, galvanic zinc-plated.

Turnbuckle DIN 1480, with hook and eye.

One side right-hand thread, other side left-hand thread.

The nut dimensions are standardized. The dimensions of the fastening elements are approximate, subject to change.



Ordering Details: e.g.: Product No. 653 881 06 Turnbuckle DIN 1480, H-E, M6

Product No.	Thread	L <sub>min.</sub> ≈ mm	L <sub>max.</sub> ≈ mm	d mm	d <sub>5</sub> mm	l <sub>1</sub> mm	l <sub>2</sub> mm	l <sub>3</sub> mm	m <sub>1</sub> mm	n <sub>1</sub> mm	n <sub>2</sub> mm	Weight g
653 881 06	M6	169	250	9,5	9	110	80	87	12	55	55	85
653 881 08	M8	189	260	11,0	10	110	88	98	15	55	55	145
653 881 10	M10	213	295	14,5	13	125	100	110	18	64	64	265
653 881 12	M12	240	315	16,5	15	125	108	128	21	66	72	400
653 881 16	M16	314	420	21,5	19	170	150	160	27	88	88	900
653 881 20	M20	370	485	23,5	21	200	170	195	34	108	108	1720

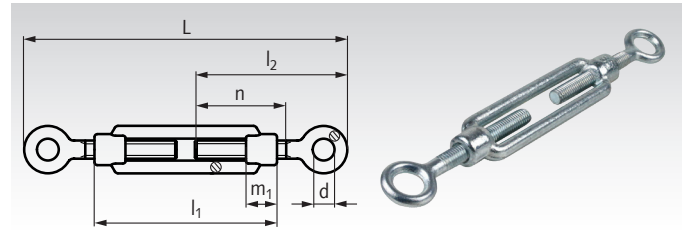
## Turnbuckles DIN 1480, Zinc-Plated, with 2 Eyes

**Material:** Steel S235, galvanic zinc-plated.

Turnbuckle DIN 1480, with 2 eyelet screws.

One side right-hand thread, other side left-hand thread.

The nut dimensions are standardized. The dimensions of the fastening elements are approximate, subject to change.



Ordering Details: e.g.: Product No. 653 882 06, Turnbuckle DIN 1480, E-E, M6

Product No.	Thread	$L_{min.} \approx$ mm	$L_{max.} \approx$ mm	d mm	$l_1$ mm	$l_2$ mm	$m_1$ mm	n mm	Weight g
653 882 06	M6	162	244	9,5	110	80	12	55	80
653 882 08	M8	179	250	11,0	110	88	15	55	140
653 882 10	M10	203	286	14,5	125	100	18	64	250
653 882 12	M12	220	295	16,5	125	108	21	66	380
653 882 16	M16	304	410	21,5	170	150	27	88	850
653 882 20	M20	345	460	23,5	200	170	34	108	1580

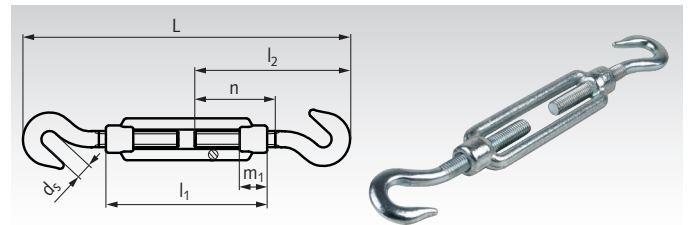
## Turnbuckles DIN 1480, Zinc-Plated, with 2 Hooks

**Material:** Steel S235, galvanic zinc-plated.

Turnbuckle DIN 1480, with 2 hook screws.

One side right-hand thread, other side left-hand thread.

The nut dimensions are standardized. The dimensions of the fastening elements are approximate, subject to change.



Ordering Details: e.g.: Product No. 653 883 06, Turnbuckle DIN 1480, H-H, M6

Product No.	Thread	$L_{min.} \approx$ mm	$L_{max.} \approx$ mm	$d_s$ mm	$l_1$ mm	$l_2$ mm	$m_1$ mm	n mm	Weight g
653 883 06	M6	179	254	9	110	87	12	55	85
653 883 08	M8	196	266	10	110	98	15	55	150
653 883 10	M10	223	306	13	125	110	18	64	275
653 883 12	M12	260	340	15	125	128	21	72	415
653 883 16	M16	324	430	19	170	160	27	88	920
653 883 20	M20	395	515	21	200	195	34	108	1865

## Turnbuckles DIN 1480, Zinc-Plated, with 2 Plane Ends

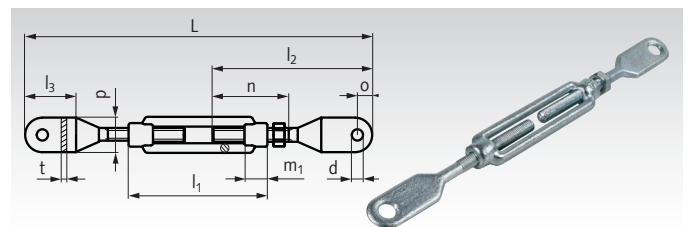
**Material:** Steel S235, galvanic zinc-plated.

Turnbuckle DIN 1480, with 2 plane ends (flat leaf bolts).

One side right-hand thread, other side left-hand thread.

With counter nut on the right-hand thread.

The nut dimensions are standardized. The dimensions of the fastening elements are approximate, subject to change.



Ordering Details: e.g.: Product No. 653 884 08, Turnbuckle DIN 1480, PE-PE, M8

Product No.	Thread	$L_{min.} \approx$ mm	$L_{max.} \approx$ mm	d mm	$l_1$ mm	$l_2$ mm	$l_3 \approx$ mm	$m_1$ mm	n mm	o mm	p mm	t mm	Weight g
653 884 08	M8	257	330	9	110	127	40	15	65	11	20	3,5	170
653 884 10	M10	303	441	10,5	125	150	48	18	90	13	25	4	300
653 884 12	M12	334	466	13	125	165	54	21	91	16	30	5	480
653 884 16	M16	484	632	14	170	240	94	27	105	20	40	8	1140
653 884 20	M20	489	604	17	200	240	98	34	105	26	44	9	1840