

## Applications

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Turnbuckles are normally used for rigging or tensioning of wires, ropes, rods etc. Turnbuckles are designed for straight or in-line rigging, tensioning or lashing only.

## Design

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Turnbuckles generally to DIN 1480 are available with welding ends and in hook/eye, eye/eye, hook/hook and combinations.

## Finish

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Rigging screws according to DIN 1480 are electro-galvanized.

## Instructions for use

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Turnbuckles must be used for straight or in-line pulling only. Special attention should be paid to prevent overloading.

While tensioning, the forces on the turnbuckle must not be such that any deformation occurs. In case of deformation, the tension should be decreased immediately and deformed parts should be replaced. Should extreme circumstances or shock loading be applicable this must be taken into account when selecting the correct products to be used for the application.

For the rigging of wires, ropes, rods etc., turnbuckles according to DIN 1480 with forged eyes or with welding ends are to be used.

It is required that the products are regularly inspected and that the inspection should take place in accordance with the safety standards given in the country of use. This is required because the products in use may be affected by wear, misuse, overloading etc. with a consequence of deformation and alteration of the steel structure.

## Safe use of turnbuckles

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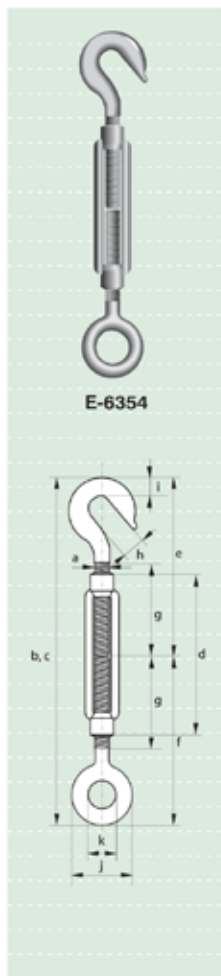
Turnbuckles should be inspected before use to insure that:

- the threads of the body and the endfittings are of the same type;
- the threads of the body and the endfittings are undamaged;
- the body and endfittings are not distorted or unduly worn;
- the body and endfittings are free from nicks, gouges and cracks.

Furthermore, it must be ensured that the endfittings are correctly screwed into the body.

Never replace an endfitting, other than the one designed for the purpose, as it may not be suitable for the loads imposed.

- **Material** : drop forged mild steel
- **Standard** : DIN 1480
- **Finish** : electro-galvanized



**Turnbuckle Eye - Hook**  
according to DIN 1480

- **Material** : drop forged mild steel
- **Standard** : DIN 1480
- **Finish** : electro-galvanized

diameter thread	length closed position	length open position	length body	length endfitting	length endfitting	length thread	opening hook	thickness hook	diameter eye outside	diameter eye inside	weight per pce
a	b	c	d	e	f	g	h	i	j	k	kg
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
6	172	258	110	77	80	55	8	15	20	9	0.11
8	184	264	110	85	84	57	10.5	15	22	10	0.2
10	222	311	125	106	105	68	13	11	31	14	0.28
12	241	324	125	117	111	70	16	13	35	16	0.43
14	261	351	140	124	122	75	18	15	40	18	0.61
16	311	427	170	144	150	88	20	17	47	22	1
20	358	490	200	170	167	105	21	21	52	24	1.6
22	414	559	220	200	186	118	24	28	60	27	2.2
24	453	630	255	215	205	135	26	33	65	27	2.8
30	495	660	255	240	220	135	34	35	71	31	4.1
33	545	744	295	260	245	148	38	40	88	36	6
36	597	782	295	275	277	158	46	45	94	38	8.4

## Turnbuckle Eye - Eye According to DIN 1480

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- **Material** : drop forged mild steel
- **Standard** : DIN 1480
- **Finish** : electro-galvanized



E-6351



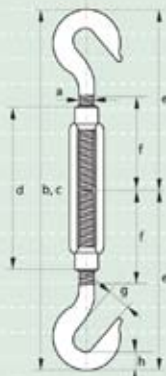
## Turnbuckle Eye - Eye according to DIN 1480

- **Material** : drop forged mild steel
- **Standard** : DIN 1480
- **Finish** : electro-galvanized

diameter thread	length closed position	length open position	length body	length endfitting	length thread	diameter eye outside	diameter eye inside	weight per pce
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
6	160	246	110	80	55	20	9	0.11
8	168	248	110	84	57	22	10	0.2
10	210	300	125	105	68	31	14	0.28
12	222	305	125	110	70	35	16	0.43
14	244	334	140	123	75	40	18	0.61
16	300	416	170	143	88	47	22	1
20	334	466	200	165	105	52	24	1.6
22	372	527	220	185	118	60	27	2.2
24	410	587	255	208	135	65	27	2.8
30	440	605	255	220	135	71	31	4.1
33	490	690	295	245	148	88	36	6
36	554	740	295	277	158	94	38	8.5



E-6352



## Turnbuckle Hook - Hook according to DIN 1480

- **Material** : drop forged mild steel
- **Standard** : DIN 1480
- **Finish** : electro-galvanized

diameter thread	length closed position	length open position	length body	length endfitting	length thread	opening hook	thickness hook	weight per pce
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
6	184	270	110	92	55	8	15	0.11
8	200	280	110	100	57	10.5	15	0.2
10	234	323	125	117	68	13	11	0.28
12	260	343	125	130	70	16	13	0.43
14	278	368	140	139	75	18	15	0.61
16	322	438	170	161	88	20	17	1
20	382	514	200	191	105	21	21	1.6
22	456	601	220	228	118	24	28	2.2
24	496	673	255	248	135	26	33	2.8
30	550	715	255	275	135	34	35	4.1
33	600	799	295	300	148	38	40	6
36	640	825	295	320	158	46	45	8.3

