

## Applications

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.

## Range

Van Beest offers a wide range of turnbuckles, i.e.:

Load rated Green Pin® turnbuckles;  
 Open body rigging screws generally to DIN1480;  
 Rigging screws with welding ends;  
 Closed body rigging screws;  
 Special turnbuckles for lashing (hamburgers).

## Design

Green Pin® turnbuckles are manufactured to ASTM F1145-92, formerly U.S. Fed. Spec.FF-T-791, and have a safety factor of 5 to 1. The Green Pin® turnbuckles are drop forged.

Turnbuckles can be equipped with the following endfittings: eye/eye, hook/hook, hook/eye, jaw/jaw and jaw/eye. All parts are interchangeable, locking nuts are supplied with all sizes.

The forged jaw ends are fitted with bolts and nuts on sizes  $\frac{3}{8}$ " up to and including  $\frac{5}{8}$ ", sizes  $\frac{3}{4}$ " up to and including  $2 \frac{3}{4}$ " are equipped with pins and cotters.

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

Closed body rigging screws are available in jaw/jaw, jaw/eye and eye/eye combinations.

## Finish

Load rated Green Pin® turnbuckles and closed body rigging screws are hot dipped galvanized. Rigging screws according to DIN 1480 are electro-galvanized whereas lashing turnbuckles are self coloured or can be painted upon request.

## Certification

Upon request, Green Pin® turnbuckles can be supplied with a works certificate and a proof load test certificate.

## Instructions for use

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.

Closed body rigging screws and commercial open body rigging screws are used for tensioning wires and ropes for minor loads (i.e. rope railings). The WLL values are only indicative, and these products are not suitable for bearing constructions.

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

The Working Load Limit (WLL) should be applied in a straight pull only and overloading is not permitted. Nor should side loads be applied, as the products have not been designed for this purpose.

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

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.

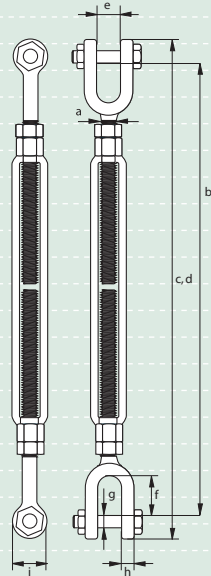
Furthermore, it must be ensured that the endfittings are correctly screwed into the body. Always use the locking nuts supplied to prevent the turnbuckles from unscrewing.

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





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## Green Pin® turnbuckles Jaw - Jaw generally to ASTM F1145-92

- **Material** : drop forged high tensile steel SAE 1035 or 1045
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to ASTM F1145-92  
formerly U.S. Federal Specification FF-T-791b
- **Finish** : hot dipped galvanized
- **Certification** : a works certificate or proof load test certificate can be supplied upon request

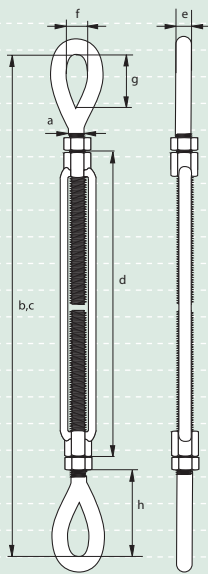
working load limit	diameter thread	take up	length closed position	length closed position	length open position	opening jaw	length inside	diameter pin	thickness jaw eye	diameter jaw eye	weight per pce
tons	a inches	b inches	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
0.54	3/8	6	274	302	416	13	22	8	8	21	0.57
1	1/2	6	306	338	452	16	26	9.5	10	25	0.96
1	1/2	9	380	414	585	16	26	9.5	10	25	1.18
1	1/2	12	456	490	719	16	26	9.5	10	25	1.50
1.59	5/8	6	346	394	508	18	33	13	13	33	1.84
1.59	5/8	9	421	470	641	18	33	13	13	33	2.12
1.59	5/8	12	497	546	775	18	33	13	13	33	2.56
2.36	3/4	6	369	432	546	23	38	15.5	16	41	2.68
2.36	3/4	9	443	508	679	23	38	15.5	16	41	3.03
2.36	3/4	12	519	584	813	23	38	15.5	16	41	3.29
2.36	3/4	18	671	737	1080	23	38	15.5	16	41	3.65
3.27	7/8	12	551	618	854	27	44	19	18	48	4.90
3.27	7/8	18	705	772	1121	27	44	19	18	48	5.95
4.54	1	6	448	524	638	30	52	22	20	54	5.21
4.54	1	12	598	676	905	30	52	22	20	54	6.96
4.54	1	18	751	829	1172	30	52	22	20	54	8.95
4.54	1	24	902	980	1437	30	52	22	20	54	7.85
6.9	1 1/4	12	657	753	989	44	73	29	25	67	11.9
6.9	1 1/4	18	809	905	1255	44	73	29	25	67	14
6.9	1 1/4	24	962	1058	1521	44	73	29	25	67	13
9.71	1 1/2	12	689	804	1052	52	70	35	27	80	16.9
9.71	1 1/2	18	841	956	1318	52	70	35	27	80	18.7
9.71	1 1/2	24	994	1109	1585	52	70	35	27	80	18.4
12.7	1 3/4	18	918	1049	1403	59	85	41	33	90	25
12.7	1 3/4	24	1070	1201	1670	59	85	41	33	90	28.7
16.78	2	24	1136	1295	1772	64	93	51	39	108	45.4
27.22	2 1/2	24	1276	1476	1943	75	114	57	38	143	73
34.02	2 3/4	24	1334	1560	2019	89	110	70	42	156	98



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## Green Pin® turnbuckles Eye - Eye generally to ASTM F1145-92

- **Material** : drop forged high tensile steel SAE 1035 or 1045
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to ASTM F1145-92  
formerly U.S. Federal Specification FF-T-791b
- **Finish** : hot dipped galvanized
- **Certification** : a works certificate or proof load test certificate can be supplied upon request

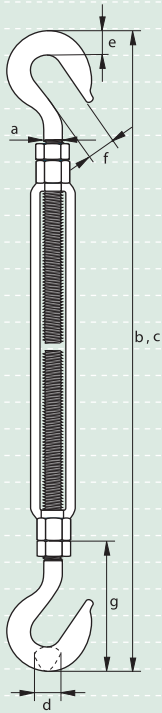


working load limit	diameter thread	take up	length closed position	length open position	length	diameter	width inside	length inside	length closed position	weight per pce
tons	a inches	inches	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
0.54	3/8	6	302	416	180	9	13	28	65	0.47
1	1/2	6	338	452	190	12	18	36	80	0.84
1	1/2	9	414	585	270	12	18	36	80	1.05
1	1/2	12	490	719	345	12	18	36	80	1.26
1.59	5/8	6	394	508	205	14	21	43	98	1.35
1.59	5/8	9	470	641	280	14	21	43	98	1.60
1.59	5/8	12	546	775	355	14	21	43	98	1.92
2.36	3/4	6	432	546	210	17	25	53	113	2.03
2.36	3/4	9	508	679	285	17	25	53	113	2.49
2.36	3/4	12	584	813	365	17	25	53	113	2.65
2.36	3/4	18	737	1080	520	17	25	53	113	3.06
3.27	7/8	12	625	854	375	20	31	59	118	3.98
3.27	7/8	18	778	1121	530	20	31	59	118	5.12
4.54	1	6	524	638	230	22	36	74	155	4.35
4.54	1	12	676	905	385	22	36	74	155	5.92
4.54	1	18	829	1172	540	22	36	74	155	7.17
4.54	1	24	980	1437	690	22	36	74	155	7.52
6.91	1 1/4	12	760	989	390	29	45	88	197	9.8
6.91	1 1/4	18	912	1255	540	29	45	88	197	11.31
6.91	1 1/4	24	1064	1521	690	29	45	88	197	12.1
9.71	1 1/2	12	823	1052	400	32	54	105	215	14.2
9.71	1 1/2	18	975	1318	560	32	54	105	215	16.5
9.71	1 1/2	24	1128	1585	710	32	54	105	215	17.1
12.71	1 3/4	18	1060	1403	575	38	60	119	254	23.1
12.71	1 3/4	24	1213	1670	725	38	60	119	254	26.3
16.78	2	24	1315	1772	750	45	69	146	308	40.7
27.22	2 1/2	24	1486	1943	800	51	79	165	344	64
34.02	2 3/4	24	1562	2019	800	57	83	178	381	88

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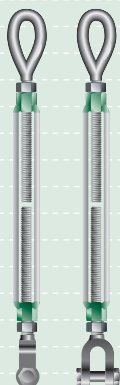
## Green Pin® turnbuckles Hook - Hook generally to ASTM F1145-92

- **Material** : drop forged high tensile steel SAE 1035 or 1045
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to ASTM F1145-92  
formerly U.S. Federal Specification FF-T-791b
- **Finish** : hot dipped galvanized
- **Certification** : a works certificate or proof load test certificate can be supplied upon request

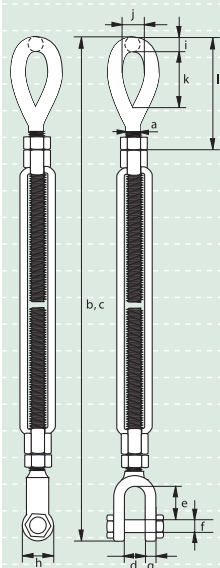
working load limit	diameter thread	take up	length closed position	length open position	thickness hook	thickness hook	opening hook	length closed position	weight per pce
tons	a inches	inches	b mm	c mm	d mm	e mm	f mm	g mm	kg
0.45	$\frac{3}{8}$	6	302	416	10	15	14	58	0.36
0.68	$\frac{1}{2}$	6	338	452	13	19	17	72	0.62
0.68	$\frac{1}{2}$	9	414	585	13	19	17	72	0.85
0.68	$\frac{1}{2}$	12	490	719	13	19	17	72	1.04
1.02	$\frac{5}{8}$	6	394	508	16	23	22	90	0.98
1.02	$\frac{5}{8}$	9	470	641	16	23	22	90	1.18
1.02	$\frac{5}{8}$	12	546	775	16	23	22	90	1.71
1.36	$\frac{3}{4}$	6	432	546	20	27	25	98	1.53
1.36	$\frac{3}{4}$	9	508	679	20	27	25	98	1.88
1.36	$\frac{3}{4}$	12	584	813	20	27	25	98	2.3
1.36	$\frac{3}{4}$	18	737	1080	20	27	25	98	2.85
1.81	$\frac{7}{8}$	12	625	854	23	30	29	126	3.33
1.81	$\frac{7}{8}$	18	778	1121	23	30	29	126	4.24
2.27	1	6	524	638	25	35	32	144	3.87
2.27	1	12	676	905	25	35	32	144	5.09
2.27	1	18	829	1172	25	35	32	144	6
2.27	1	24	980	1437	25	35	32	144	7.52
2.95	1 $\frac{1}{4}$	12	760	989	28	37	39	175	8.12
2.95	1 $\frac{1}{4}$	18	912	1255	28	37	39	175	10.4
2.95	1 $\frac{1}{4}$	24	1064	1521	28	37	39	175	12.1
3.4	1 $\frac{1}{2}$	12	823	1052	33	44	47	212	12.7
3.4	1 $\frac{1}{2}$	18	975	1318	33	44	47	212	15.1
3.4	1 $\frac{1}{2}$	24	1128	1585	33	44	47	212	17.1

## Green Pin® turnbuckles Eye - Jaw generally to ASTM F1145-92

- **Material** : drop forged high tensile steel SAE 1035 or 1045
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to ASTM F1145-92  
formerly U.S. Federal Specification FF-T-791b
- **Finish** : hot dipped galvanized
- **Certification** : a works certificate or proof load test certificate can be supplied upon request



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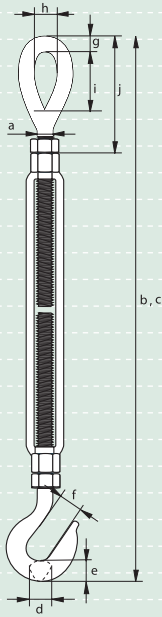


working load limit	diameter thread	take up	length closed position	length open position	opening jaw	inside length jaw	diameter pin jaw	thickness eye jaw	diameter eye jaw	diameter eye	inside width eye	inside length eye	length closed position	weight per pce
tons	a inches	inches	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	l mm	kg
0.54	3/8	6	302	416	13	22	8	8	21	9	13	28	65	0.51
1	1/2	6	338	452	16	26	9.5	10	25	12	18	36	80	0.89
1	1/2	9	414	585	16	26	9.5	10	25	12	18	36	80	1.10
1	1/2	12	490	719	16	26	9.5	10	25	12	18	36	80	1.31
1.59	5/8	6	394	508	18	33	13	13	33	14	21	43	98	1.58
1.59	5/8	9	470	641	18	33	13	13	33	14	21	43	98	1.84
1.59	5/8	12	546	775	18	33	13	13	33	14	21	43	98	2.22
2.36	3/4	6	432	546	23	38	15.5	16	41	17	25	53	113	2.34
2.36	3/4	9	508	679	23	38	15.5	16	41	17	25	53	113	2.72
2.36	3/4	12	584	813	23	38	15.5	16	41	17	25	53	113	2.95
2.36	3/4	18	737	1080	23	38	15.5	16	41	17	25	53	113	3.30
3.27	7/8	12	625	854	27	44	19	18	48	20	31	59	118	4.35
3.27	7/8	18	778	1121	27	44	19	18	48	20	31	59	118	5.46
4.54	1	6	524	638	30	52	22	20	54	22	36	74	155	4.66
4.54	1	12	676	905	30	52	22	20	54	22	36	74	155	6.35
4.54	1	18	829	1172	30	52	22	20	54	22	36	74	155	7.98
4.54	1	24	980	1437	30	52	22	20	54	22	36	74	155	7.39
6.9	1 1/4	12	760	989	44	73	29	25	67	29	45	88	197	10.92
6.9	1 1/4	18	912	1255	44	73	29	25	67	29	45	88	197	11
6.9	1 1/4	24	1064	1521	44	73	29	25	67	29	45	88	197	12.9
9.71	1 1/2	12	823	1052	52	70	35	27	80	32	54	105	215	13.1
9.71	1 1/2	18	975	1318	52	70	35	27	80	32	54	105	215	14.7
9.71	1 1/2	24	1128	1585	52	70	35	27	80	32	54	105	215	17.8
12.7	1 3/4	18	1060	1403	59	85	41	33	90	38	60	119	254	22.3
12.7	1 3/4	24	1213	1670	59	85	41	33	90	38	60	119	254	27.5
16.78	2	24	1315	1772	64	93	51	39	108	45	69	146	308	42.9
27.22	2 1/2	24	1486	1943	75	114	57	39	143	51	79	165	344	68
34.02	2 3/4	24	1562	2019	89	110	70	42	156	57	83	178	381	91

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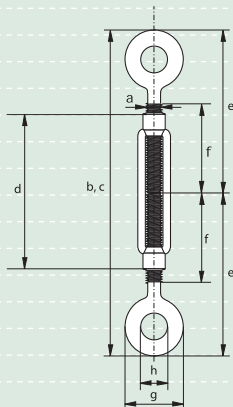
## Green Pin® turnbuckles Eye - Hook generally to ASTM F1145-92

- **Material** : drop forged high tensile steel SAE 1035 or 1045
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : generally to ASTM F1145-92  
formerly U.S. Federal Specification FF-T-791b
- **Finish** : hot dipped galvanized
- **Certification** : a works certificate or proof load test certificate can be supplied upon request

working load limit	diameter thread	take up	length closed position	length open position	thickness hook	thickness hook	opening hook	diameter eye	inside width eye	inside length eye	length closed position	weight per pce
tons	a inches	inches	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
0.45	3/8	6	302	416	10	15	14	9	13	28	65	0.47
0.68	1/2	6	338	452	13	19	17	12	18	36	80	0.82
0.68	1/2	9	414	585	13	19	17	12	18	36	80	1.06
0.68	1/2	12	490	719	13	19	17	12	18	36	80	1.28
1.02	5/8	6	394	508	16	23	22	14	21	43	98	1.31
1.02	5/8	9	470	641	16	23	22	14	21	43	98	1.56
1.02	5/8	12	546	775	16	23	22	14	21	43	98	1.71
1.36	3/4	6	432	546	20	27	25	17	25	53	113	2.04
1.36	3/4	9	508	679	20	27	25	17	25	53	113	4.49
1.36	3/4	12	584	813	20	27	25	17	25	53	113	2.3
1.36	3/4	18	737	1080	20	27	25	17	25	53	113	2.85
1.81	7/8	12	625	854	23	30	29	20	31	59	118	3.33
1.81	7/8	18	778	1121	23	30	29	20	31	59	118	4.24
2.27	1	6	524	638	25	35	32	22	36	74	155	3.87
2.27	1	12	676	905	25	35	32	22	36	74	155	5.09
2.27	1	18	829	1172	25	35	32	22	36	74	155	6
2.27	1	24	980	1437	25	35	32	22	36	74	155	7.52
2.95	1 1/4	12	760	989	28	37	39	29	45	88	197	8.12
2.95	1 1/4	18	912	1255	28	37	39	29	45	88	197	10.4
2.95	1 1/4	24	1064	1521	28	37	39	29	45	88	197	12.1
3.4	1 1/2	12	823	1052	33	44	47	32	54	105	215	12.7
3.4	1 1/2	18	975	1318	33	44	47	32	54	105	215	15.1
3.4	1 1/2	24	1128	1585	33	44	47	32	54	105	215	17.1



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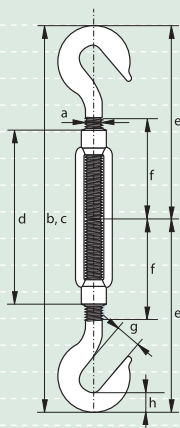
## Rigging screws Eye - Eye according to DIN 1480

- **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



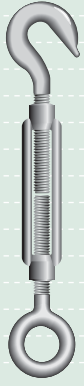
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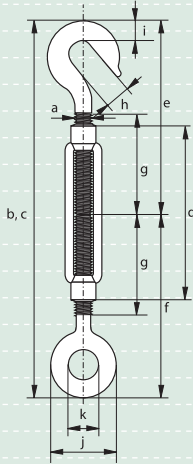
## Rigging screws Hook - Hook according to DIN 1480

- **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 thickness 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



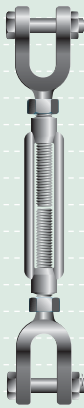
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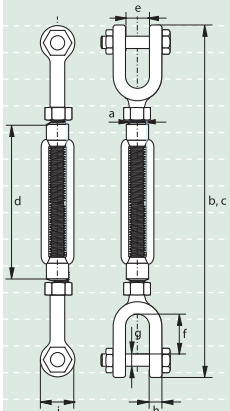
## Rigging screws Eye - Hook according to DIN 1480

- 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



E-6353



## Rigging screws Jaw - Jaw according to DIN 1480

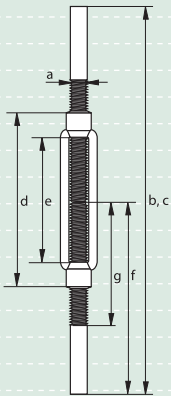
- Material : drop forged mild steel
- Standard : DIN 1480
- Finish : electro-galvanized
- Note : supplied with locking nuts

diameter thread	length closed position	length open position	length body	opening jaw	length inside	diameter pin	thickness jaw eye	diameter jaw eye	weight per pce
a	b	c	d	e	f	g	h	i	kg
mm	mm	mm	mm	mm	mm	mm	mm	mm	
6	191	277	110	7.5	12	M 6	5	13	0.16
8	194	274	110	8.5	12	M 6	6	14	0.21
10	236	325	125	11	16	M 8	8	18	0.38
12	266	349	125	13	20	M 10	10	24	0.66
14	316	406	140	16	30	M 12	12	28	1.15
16	374	490	170	18	38	M 12	12	32	1.45
20	438	570	200	20	42	M 16	16	38	2.61
22	466	611	220	22	44	M 18	18	40	3.24
24	514	691	255	24	46	M 20	20	42	4.35
30	544	709	255	30	50	M 24	22	46	6.48

## Rigging screws with Welding Ends according to DIN 1480

- Material : drop forged mild steel
- Standard : DIN 1480
- Finish : Body : electro-galvanized  
Welding ends : self coloured

E-6355



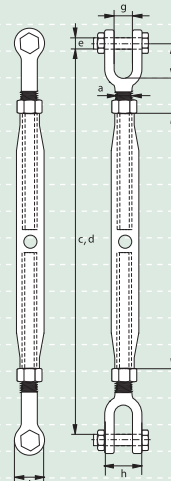
diameter thread	length closed position	length open position	length body	length body inside	length stub-ends	length thread	weight per 100 pcs
a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
6	240	326	110	86	120	65	9.3
8	240	320	110	80	120	65	14
10	300	389	125	89	150	75	29
12	300	383	125	83	150	75	40
14	330	420	140	90	165	85	66
16	400	516	170	116	200	100	89
20	440	572	200	132	220	120	160
22	440	585	220	145	220	130	227
24	520	697	255	177	260	150	282
30	520	685	255	165	260	160	423

## Closed body rigging screws

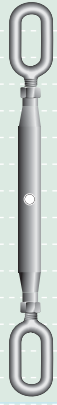
### Jaw - Jaw

- Material : mild steel
- Safety factor : MBL equals 5 x WLL
- Finish : hot dipped galvanized
- Note : end fittings of 6 and 8 mm rigging screws are electro-galvanized

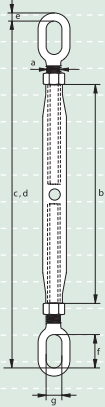
G-6343



working load limit	diameter thread	length body	length closed position	length open position	diameter pin	length inside	opening jaw	width jaw	diameter jaw eye	weight per pce
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
0.2	6	100	175	255	5	19	7	20	13	0.16
0.32	8	108	199	282	6	25	9	24	14	0.27
0.5	10	125	222	320	8	26	10.5	28	19	0.45
0.7	12	195	320	479	10	32	13	34	22	0.85
1.2	16	230	388	572	12	39	18	42	28	1.57
1.5	20	270	454	672	16	46	20	51	33	2.67
2.2	22	295	490	730	20	55	25	55	38	3.68
3.2	24	325	558	819	22	63	30	70	46	5.3
4.8	33	370	681	977	30	85	38	82	60	12
6	39	400	710	1017	33	86	45	85	76	14.2
8.5	45	400	760	1050	39	105	50	100	86	20.8
11	48	400	820	1110	45	120	58	118	92	24



G-6340



## Closed body rigging screws

### Eye - Eye

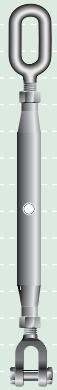
- **Material** : mild steel
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : hot dipped galvanized
- **Note** : end fittings of 6 and 8 mm rigging screws are electro-galvanized

working load limit	diameter thread	length body	length closed position	length open position	diameter	length eye inside	width eye inside	weight per pce
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
0.2	6	100	165	245	5.5	11	11	0.13
0.32	8	108	178	261	6	12	12	0.2
0.5	10	125	210	308	8.5	13	13	0.6
0.7	12	195	325	484	11	30	15	0.8
1.2	16	230	380	564	12	40	20	1.4
1.5	20	270	455	673	16	50	24	2.4
2.2	22	295	495	736	16	50	24	3
3.2	24	325	545	806	19	56	28	4
4.8	33	370	665	961	29	70	35	9
6	39	400	725	1032	34	80	40	11.5
8.5	45	400	760	1050	30	90	45	20.8
11	48	400	820	1110	35	100	45	24

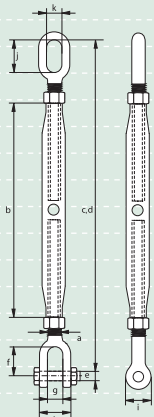
## Closed body rigging screws

### Eye - Jaw

- **Material** : mild steel
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : hot dipped galvanized
- **Note** : end fittings of 6 and 8 mm rigging screws are electro-galvanized



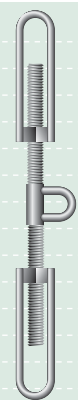
G-6345



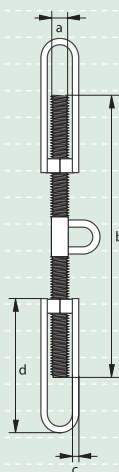
working load limit	diameter thread	length body	length closed position	length open position	diameter pin	length jaw inside	opening jaw	width jaw	diameter eye	length eye inside	width eye inside	weight per pce
tons	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	kg
0.2	6	100	170	248	M 5	19	7	20	13	11	11	0.14
0.32	8	108	189	273	M 6	25	9	24	14	12	12	0.24
0.5	10	125	216	306	M 8	26	10.5	28	19	13	13	0.53
0.7	12	195	323	478	M 10	32	13	34	22	30	15	0.83
1.2	16	230	384	569	M 12	39	18	42	28	40	20	1.49
1.5	20	270	455	665	M 16	46	20	51	33	50	24	2.54
2.2	22	295	493	723	M 20	55	25	55	38	50	24	3.34
3.2	24	325	552	802	M 22	63	30	70	46	56	28	4.65
4.8	33	370	673	963	M 30	85	38	82	60	70	35	10.5
6	39	400	718	1018	M 33	86	45	85	76	80	40	12.8
8.5	45	400	760	1050	M 39	105	50	100	86	90	45	20.8
11	48	400	820	1110	M 45	120	58	118	92	100	45	24

## Turnbuckles (hamburgers) for deck lashing

- Material : mild steel
- Finish : self coloured



S-6330



minimum breaking load	diameter thread	length thread	diameter bow	length bow	weight per pce
tons	a mm	b mm	c mm	d mm	kg
13	24	400	16	210	3
13	24	500	16	260	3.8
18	27	400	18	210	4.4
18	27	500	18	260	5.5
20	30	400	20	210	5
20	30	500	20	260	6.3
21	36	400	20	210	7
21	36	500	20	260	8.8