



Applications

Thrust bearing swivels are used to prevent wire rope or chain from transferring their normal twisting motion to the item being lifted.

Green Pin® swivels are not designed to rotate under load, but are intended as positioning devices only.

For rotation under load, thrust bearing swivels should be used. Our swivels can be supplied with two types of end fittings.

Range

Van Beest offers two types of swivels:

- Green Pin® swivels, ranging from WLL 0.39 up to 20.5 tons, with eye-eye or jaw-eye terminals;
- Thrust bearing swivels, ranging from WLL 1 up to 40 tons, with eye-eye terminals.

Van Beest can also offer other types of swivels in grade 8 and grade 10.

Please refer to the EXCEL® section in this catalogue for more information.

Design

Green Pin® swivels are drop forged. Thrust bearing swivels are machined from carbon steel. The range of thrust bearing swivels we supply are fitted with grease nipples to ensure long life and smooth operation. The greasing schedule must be adjusted to the frequency and intensity of use.

Each swivel is generally marked with:

- | | |
|-------------------------|--------------|
| - Working load limit | ■ e.g. 2.4 t |
| - manufacturer's symbol | ■ e.g. GP |
| - size in inch | ■ e.g. 5/8" |
| - traceability code | ■ e.g. HA |

Finish

Green Pin® eye-eye and jaw-eye swivels are hot dipped galvanized.

Thrust bearing swivels are painted.

Certification

Specific details of certificate availability can be found on each product page.

Please verify your certification requirements with Van Beest at time of order.

Instructions for use

Swivels should be inspected before use to ensure that:

- all markings are legible;
- a swivel with the correct WLL has been selected;
- the bolt, nut or any other locking system cannot vibrate out of position;
- swivels are free from nicks, gouges and cracks;
- swivels may not be heat treated as this may affect their WLL.

The WLL should be applied in-line. Avoid overloads. Side loading is not allowed since the swivels are not designed for this purpose.

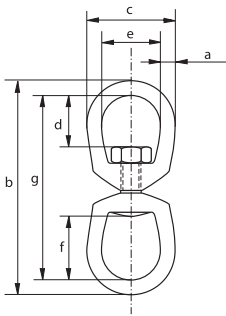
Never replace a swivel pin or nut with a pin other than the one designed for the purpose, as otherwise the swivel may not be suitable for the load imposed.

Swivels must be regularly inspected 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. which may lead to deformation and alteration of the material structure.

Inspection should take place at least every six months and more frequently when the swivels are used in severe operating conditions.



G-7713



Green Pin® swivels

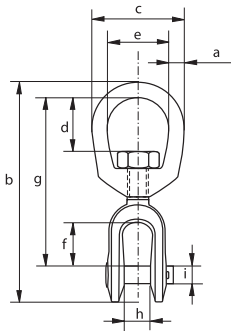
Eye - Eye

- **Material** : high tensile steel, quenched and tempered
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : US Federal Spec. RR-C-271, Type VII, Class 2
- **Finish** : hot dipped galvanized
- **Certification** : 2.1 2.2

working load limit	diameter	length outside	width outside	length inside	width inside	length inside	length	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
0.39	6	87	32	18	19	27	75	0.1
0.57	8	106	41	21	25	32	90	0.18
1.02	10	129	51	24	32	38	109	0.3
1.6	13	164	64	33	38	51	138	0.6
2.4	16	199	76	40	44	60	167	1
3.3	19	221	89	44	51	67	183	1.82
4.5	22	257	102	52	57	78	213	2.55
5.7	25	295	114	59	64	89	245	4.06
8.2	32	337	143	68	80	94	273	7.43
20.5	38	501	178	102	102	150	425	20.8



G-7723



Green Pin® swivels

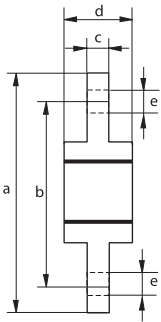
Jaw - Eye

- **Material** : high tensile steel, quenched and tempered
- **Safety factor** : MBL equals 5 x WLL
- **Standard** : US Federal Spec. RR-C-271, Type VII, Class 3
- **Finish** : hot dipped galvanized
- **Certification** : 2.1 2.2

working load limit	diameter	length	width outside	length inside	width inside	length inside	length	width inside	diameter pin	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
0.39	6	84	32	18	19	22	67	12	6	0.09
0.57	8	98	41	21	25	22	75	13	8	0.16
1.02	10	121	51	24	32	27	92	16	10	0.32
1.6	13	154	64	33	38	33	114	19	13	0.57
2.4	16	186	76	40	44	38	135	24	16	1.12
3.3	19	211	89	44	51	44	154	29	19	1.76
4.5	22	242	102	52	57	52	178	30	22	2.66
5.7	25	290	114	59	64	71	217	44	29	4.02
8.2	32	329	143	68	80	71	230	52	35	7.14
20.5	38	501	178	106	102	113	364	73	50	24.8



P-7740



Green Pin® Thrust bearing swivels

Eye - Eye

- **Material** : carbon steel
- **Safety factor** : MBL equals 5 x WLL
- **Finish** : painted black
- **Certification** : 2.1 2.2 MTC ^a

working load limit	length	length	thickness	diameter	diameter hole	weight each
t	a mm	b mm	c mm	d mm	e mm	kg
1	174	128	12.5	49	21	1.4
2	223	173	19	68	22	3.5
3	278	210	26	79	29	6.4
5	290	222	26	89	31	7.9
8	366	276	40	106	43	15.2
10	390	300	40	118	49	19.1
15	457	355	40	128	49	26.6
20	474	372	40	118	51	25
30	612	472	64	138	59	50
40	760	600	68	168	65	-