



Green Pin[®] Dee Shackle BN

Standard dee shackle with safety bolt



Highlights

- ✓ Double safety (cotter pin & safety bolt)
- ✓ Galvanization assures long-term durability
- ✓ Suitable for one-leg systems only
- ✓ Conforms to wide range of certifications (e.g. DNV)
- ✓ Superior stock availability of 99%

Description

The Green Pin[®] Dee Shackle BN is a dee shackle with a safety bolt. The shackle offers a double safety (split pin and safety bolt) which prevents accidental unscrewing of the pin. Its long-term durability is assured due to galvanization. Particularly important for use offshore, the shackle conforms to a wide range of certifications from class societies such as DNV GL. The Green Pin[®] Dee Shackle BN is suitable for one-leg lifting systems only and is available in a range with a working load limit from 2 up to 85 ton.

Product details

Productcode	G-4153
Material	bow and pin high tensile steel, Grade 6, quenched and tempered
Safety factor	MBL equals 6 x WLL
Finish	hot dipped galvanized
Certification	2.1 2.2 3.1 MTCa DNV 2.7-1a DNV 2.7-1b DNVGL-ST-0378 CE ABS PDA
Standard	EN 13889, ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 3, Grade A



Green Pin® Dee Shackle BN

Technical specifications in millimeters

Article code	working load limit	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	G length	H length bolt	I thickness nut	Nett weight KG
GPGDMB13	2	13,5	16	34	13	22	43	81	82	13	0.39
GPGDMB16	3,25	16	19	40	16	27	51	97	98	17	0.67
GPGDMB19	4,75	19	22	46	19	31	59	112	114	19	1.08
GPGDMB22	6,5	22	25	52	22	36	73	134	130	22	1.66
GPGDMB25	8,5	25	28	59	25	43	85	154	150	25	2.46
GPGDMB28	9,5	28	32	66	28	47	90	167	166	27	3.40
GPGDMB32	12	32	35	72	32	51	94	180	178	30	4.51
GPGDMB35	13,5	35	38	80	35	57	115	209	197	33	6.10
GPGDMB38	17	38	42	88	38	60	127	230	202	19	7.63
GPGDMB45	25	45	50	103	45	74	149	271	249	23	12.9
GPGDMB50	35	50	57	111	50	83	171	305	269	26	17.4
GPGDMB57	42,5	57	65	130	57	95	190	345	301	29	25.9



Green Pin® Dee Shackle BN

Technical specifications in millimeters

Article code	working load limit	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	G length	H length bolt	I thickness nut	Nett weight KG
GPGDMB65	55	65	70	145	65	105	203	376	330	32	35.3
GPGDMB75	85	75	83	162	73	127	229	427	380	39	53.0

www.greenpin.com



Green Pin® Dee Shackle BN

Technical specifications in inches

Article code	A diameter bow (inch)	B diameter pin (inch)	C diameter eye (inch)	D width eye (inch)	E width inside (inch)	F length inside (inch)	G length (inch)	H length bolt (inch)	I thickness nut (inch)	Nett weight LBS
GPGDMB13	1/2	5/8	1 11/32	1/2	7/8	1 11/16	3 3/16	3 7/32	1/2	0.85
GPGDMB16	5/8	3/4	1 9/16	5/8	1 1/16	2	3 13/16	3 27/32	21/32	1.48
GPGDMB19	3/4	7/8	1 13/16	3/4	1 7/32	2 5/16	4 13/32	4 1/2	3/4	2.39
GPGDMB22	7/8	1	2 1/16	7/8	1 13/32	2 7/8	5 9/32	5 1/8	7/8	3.66
GPGDMB25	1	1 1/8	2 5/16	31/32	1 11/16	3 11/32	6 1/16	5 29/32	31/32	5.42
GPGDMB28	1 1/8	1 1/4	2 19/32	1 3/32	1 27/32	3 17/32	6 9/16	6 17/32	1 1/16	7.51
GPGDMB32	1 1/4	1 3/8	2 27/32	1 1/4	2	3 11/16	7 3/32	7	1 3/16	9.95
GPGDMB35	1 3/8	1 1/2	3 5/32	1 3/8	2 1/4	4 17/32	8 7/32	7 3/4	1 5/16	13.5
GPGDMB38	1 1/2	1 5/8	3 15/32	1 1/2	2 3/8	5	9 1/16	7 15/16	3/4	16.8
GPGDMB45	1 3/4	2	4 1/16	1 25/32	2 29/32	5 7/8	10 21/32	9 13/16	29/32	28.4
GPGDMB50	2	2 1/4	4 3/8	1 31/32	3 9/32	6 23/32	12	10 19/32	1 1/32	38.3
GPGDMB57	2 1/4	2 9/16	5 1/8	2 1/4	3 3/4	7 15/32	13 19/32	11 27/32	1 5/32	57.2



Green Pin® Dee Shackle BN

Technical specifications in inches

Article code	A diameter bow (inch)	B diameter pin (inch)	C diameter eye (inch)	D width eye (inch)	E width inside (inch)	F length inside (inch)	G length (inch)	H length bolt (inch)	I thickness nut (inch)	Nett weight LBS
GPGDMB65	2 1/2	2 3/4	5 23/32	2 9/16	4 1/8	8	14 13/16	13	1 1/4	77.9
GPGDMB75	3	3 1/4	6 3/8	2 7/8	5	9 1/32	16 13/16	14 31/32	1 17/32	117

www.greenpin.com



Green Pin[®] Dee Shackle BN

Technical drawing

