



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 ABS MA
Standard	EN 13889, ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVB Class 3, Grade A



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	Net weight (kg)
GPGDMB13	2	13,5	16	34	13	22	43	82	80	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	115	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	67	28	47	90	168	166	27	3.40
GPGDMB32	12	32	35	73	32	51	94	180	184	30	4.51
GPGDMB35	13,5	35	38	79	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	104	45	74	149	271	243	23	12.9
GPGDMB50	35	50	57	112	50	83	171	306	269	26	17.4
GPGDMB57	42,5	57	65	132	57	95	190	346	301	29	25.9



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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	Net weight (kg)
GPGDMB65	55	65	70	145	65	105	203	376	329	32	35.3
GPGDMB75	85	75	83	167	75	127	229	429	381	39	53.0

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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)	Net weight (LBS)
GPGDMB13	1/2	5/8	1 11/32	1/2	7/8	1 11/16	3 7/32	3 5/32	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 17/32	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 5/8	1 3/32	1 27/32	3 17/32	6 5/8	6 17/32	1 1/16	7.51
GPGDMB32	1 1/4	1 3/8	2 7/8	1 1/4	2	3 11/16	7 3/32	7 1/4	1 3/16	9.95
GPGDMB35	1 3/8	1 1/2	3 1/8	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 3/32	1 25/32	2 29/32	5 7/8	10 21/32	9 9/16	29/32	28.4
GPGDMB50	2	2 1/4	4 13/32	1 31/32	3 9/32	6 23/32	12 1/16	10 19/32	1 1/32	38.3
GPGDMB57	2 1/4	2 9/16	5 3/16	2 1/4	3 3/4	7 15/32	13 5/8	11 27/32	1 5/32	57.2



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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)	Net weight (LBS)
GPGDMB65	2 1/2	2 3/4	5 23/32	2 9/16	4 1/8	8	14 13/16	12 15/16	1 1/4	77.9
GPGDMB75	3	3 1/4	6 9/16	2 15/16	5	9 1/32	16 7/8	15	1 17/32	117

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Technical drawing

