



Green Pin[®] Dee Shackle FN

Standard dee shackle with safety bolt and fixed nut

Highlights

- ✓ Triple safety (split pin, safety bolt, fixed nut)
- ✓ Top choice when the load is dynamic or exposed to extreme vibrations
- ✓ Conforms to wide range of certifications (e.g. DNV GL)
- ✓ Suitable for one-leg systems only

Description

The Green Pin[®] Dee Shackle FN is a dee shackle with a safety bolt and a fixed nut. The shackle is the top choice among Dee shackles when the load is dynamic or exposed to extreme vibrations because of its triple safety (split pin, safety bolt and fixed nut). The fixed nut of the Green Pin[®] Dee Shackle FN is drilled through both the shackle nut and pin and is firmly attached to the pin head with bolts and Nord-Lock[®] washers. Of course, the Green Pin[®] Dee Shackle FN conforms to a wide range of certifications from class societies such as DNV GL. The shackle is available in a range with a working load limit from 2 up to 85 ton.

Product details

Productcode	G-4133
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 CE
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 FN

Technical specifications in millimeters

Article code	Working load limit	Net weight	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	H length	I length bolt	K thickness nut	L Securing bolt thread	M securing bolt length	Torque	Net weight (kg)
GPGDMB13FN	2	0.39	13,5	16	34	13	22	43	82	80	13	M6	35	8,4	0.39
GPGDMB16FN	3,25	0.67	16	19	40	16	27	51	97	98	17	M6	40	8,4	0.67
GPGDMB19FN	4,75	1.08	19	22	46	19	31	59	112	115	19	M6	45	8,4	1.08
GPGDMB22FN	6,5	1.66	22	25	52	22	36	73	134	130	22	M8	50	20	1.66
GPGDMB25FN	8,5	2.46	25	28	59	25	43	85	154	150	25	M8	55	20	2.46
GPGDMB28FN	9,5	3.40	28	32	67	28	47	90	168	166	27	M10	60	39	3.40
GPGDMB32FN	12	4.51	32	35	73	32	51	94	180	184	30	M10	65	39	4.51
GPGDMB35FN	13,5	6.10	35	38	79	35	57	115	209	197	33	M10	70	39	6.10
GPGDMB38FN	17	7.63	38	42	88	38	60	127	230	202	19	M8	75	20	7.63

Article code	working load limit	Net weight	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	H length	I length bolt	K thickness nut	L securing bolt thread	M securing bolt length	Torque Net weight (kg)	
GPGDMB45FN	25	13.3	45	50	104	45	74	149	271	243	23	M8	90	20	13.3
GPGDMB50FN	35	18.5	50	57	112	50	83	171	306	269	26	M10	100	39	18.5
GPGDMB57FN	42,5	25.9	57	65	132	57	95	190	346	301	29	M12	110	68	25.9

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GPGDMB65FN	55	35.3	65	70	145	65	105	203	376	329	32	M12	120	68	35.3
GPGDMB75FN	85	53.0	75	83	167	75	127	229	429	381	39	M12	140	68	53.0

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Technical specifications in inches

Article code	Working load limit	Net weight	A diameter bow (inch)	B diameter pin (inch)	C diameter eye (inch)	D width eye (inch)	E width inside (inch)	F length inside (inch)	H length (inch)	I length bolt (inch)	K thickness nut (inch)	L Securing bolt thread	M securing bolt length (inch)	Torque Net weight (LBS)	
GPGDMB13FN	2	0.85	1/2	5/8	1 11/32	1/2	7/8	1 11/16	3 7/32	3 5/32	1/2	M6	1 3/8	8,4	0.85
GPGDMB16FN	3,25	1.48	5/8	3/4	1 9/16	5/8	1 1/16	2	3 13/16	3 27/32	21/32	M6	1 9/16	8,4	1.48
GPGDMB19FN	4,75	2.39	3/4	7/8	1 13/16	3/4	1 7/32	2 5/16	4 13/32	4 17/32	3/4	M6	1 25/32	8,4	2.39
GPGDMB22FN	6,5	3.66	7/8	1	2 1/16	7/8	1 13/32	2 7/8	5 9/32	5 1/8	7/8	M8	1 31/32	20	3.66
GPGDMB25FN	8,5	5.42	1	1 1/8	2 5/16	31/32	1 11/16	3 11/32	6 1/16	5 29/32	31/32	M8	2 5/32	20	5.42
GPGDMB28FN	9,5	7.51	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	M10	2 3/8	39	7.51
GPGDMB32FN	12	9.95	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	M10	2 9/16	39	9.95
GPGDMB35FN	13,5	13.5	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	M10	2 3/4	39	13.5
GPGDMB38FN	17	16.8	1 1/2	1 5/8	3 15/32	1 1/2	2 3/8	5	9 1/16	7 15/16	3/4	M8	2 15/16	20	16.8

Article code	working load limit	Net weight	A diameter bow (inch)	B diameter pin (inch)	C diameter eye (inch)	D width eye (inch)	E width inside (inch)	F length inside (inch)	H length (inch)	I length bolt (inch)	K thickness nut (inch)	L Securing bolt thread	M securing bolt length (inch)	Torque	Net weight (LB)
GPGDMB45FN	25	29.2	1 3/4	2	4 3/32	1 25/32	2 29/32	5 7/8	10 21/32	9 9/16	29/32	M8	3 17/32	20	29.2
GPGDMB50FN	35	40.9	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	M10	3 15/16	39	40.9
GPGDMB57FN	42,5	57.2	2 1/4	2 9/16	5 3/16	2 1/4	3 3/4	7 15/32	12 1/16	11 27/32	1 5/32	M12	4 11/32	68	57.2

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Technical specifications in inches

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GPGDMB65FN	55	77.9	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	M12	4 23/32	68	77.9
GPGDMB75FN	85	117	3	3 1/4	6 9/16	2 15/16	5	9 1/32	16 7/8	15	1 17/32	M12	5 1/2	68	117

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