



## Green Pin Super<sup>®</sup> Bow Shackle BN

Grade 8 bow shackle with safety bolt

### Highlights

- ✓ Easier handling due to smaller size and weight (with equal WLL)
- ✓ Double safety (cotter pin & safety bolt)
- ✓ Galvanization assures long-term durability
- ✓ Conforms to wide range of certifications (e.g. DNV)
- ✓ Superior stock availability of 99%

### Description

The Green Pin Super<sup>®</sup> Bow Shackle BN is a grade 8 bow shackle with a safety bolt. Handling of the Green Pin Super<sup>®</sup> Bow Shackle BN is easier due to the smaller size and weight (with an equal working load limit when compared to non-Super products). The shackle also offers a double safety (split pin and safety bolt) which prevents accidental unscrewing of the pin. Furthermore, the long-term durability of the shackle is assured as a result of its galvanization. Wear and tear of the counter components such as wire rope is also minimized as the chamber in the shackle eye hides the screw thread. The Green Pin Super<sup>®</sup> Bow Shackle BN is available in a range with a working load limit from 3.3 up to 175t (note: sizes 150t and 175t have a round headed bolt).

### Product details

<b>Productcode</b>	G-5263
<b>Material</b>	bow and pin alloy steel, Grade 8, quenched and tempered
<b>Safety factor</b>	MBL equals 5 x WLL
<b>Finish</b>	hot dipped galvanized (150 ton and upward are painted)
<b>Standard</b>	ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade B
<b>Note</b>	Shackles with WLL 150 t and 175 t have a round headed bolt



## Green Pin Super® Bow Shackle BN

### Technical specifications in millimeters

Article code	Working load limit	Weight shackle pin	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	G width bow	H length	I length bolt	J width	K thickness nut	Net weight (kg)
SUGHMB13	3,3	0,18	13,5	16	34	13	22	51	32	90	80	59	13	0.40
SUGHMB16	5	0,3	16	19	40	16	27	64	43	110	98	75	17	0.73
SUGHMB19	7	0,45	19	22	46	19	31	76	51	129	115	89	19	1.19
SUGHMB22	9,5	0,73	22	25	52	22	36	83	58	144	130	102	22	1.73
SUGHMB25	12,5	1,08	25	28	59	25	43	95	68	164	150	118	25	2.56
SUGHMB28	15	1,41	28	32	67	28	47	108	75	186	166	131	27	3.60
SUGHMB32	18	1,79	32	35	73	32	51	115	83	201	184	147	30	4.95
SUGHMB35	21	2,3	35	38	79	35	57	133	92	227	197	162	33	6.62
SUGHMB38	30	2,76	38	42	88	38	60	146	99	249	202	175	19	8.11
SUGHMB45	40	4,92	45	50	104	45	74	178	126	300	243	216	23	14.8
SUGHMB57	55	6,95	57	57	119	57	83	197	138	342	283	252	26	23.3
SUGHMB70	85	12,2	70	70	145	70	105	260	180	438	339	320	32	45.1



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### Technical specifications in milimeters

Article code	working load limit	Weight shackle pin	A diameter bow	B diameter pin	C diameter eye	D width eye	E width inside	F length inside	G width bow	H length	I length bolt	J width	K thickness nut	Net weight (kg)
SUGHMB83	120	21,1	83	83	164	83	127	329	190	537	397	356	39	72
<b>HDSUHM0150</b>	<b>150</b>	<b>28,12</b>	<b>95</b>	<b>95</b>	<b>204</b>	<b>95</b>	<b>147</b>	<b>400</b>	<b>238</b>	<b>644</b>	<b>453</b>	<b>428</b>	<b>50</b>	<b>116</b>
HDSUHM0175	175	39,15	105	108	235	105	169	410	275	686	496	485	50	156

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### Technical specifications in inches

Article code	Weight shackles pin	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 width bow (inch)	H length (inch)	I length bolt (inch)	J width (inch)	K thickness nut (inch)	Net weight (LBS)
SUGHMB13	0,4	1/2	5/8	1 11/32	1/2	7/8	2	1 1/4	3 17/32	3 5/32	2 5/16	1/2	0.89
SUGHMB16	0,65	5/8	3/4	1 9/16	5/8	1 1/16	2 17/32	1 11/16	4 11/32	3 27/32	2 15/16	21/32	1.60
SUGHMB19	1	3/4	7/8	1 13/16	3/4	1 7/32	3	2	5 3/32	4 17/32	3 1/2	3/4	2.62
SUGHMB22	1,61	7/8	1	2 1/16	7/8	1 13/32	3 9/32	2 9/32	5 21/32	5 1/8	4 1/32	7/8	3.82
SUGHMB25	2,38	1	1 1/8	2 5/16	31/32	1 11/16	3 3/4	2 11/16	6 15/32	5 29/32	4 21/32	31/32	5.64
SUGHMB28	3,21	1 1/8	1 1/4	2 5/8	1 3/32	1 27/32	4 1/4	2 15/16	7 5/16	6 17/32	5 5/32	1 1/16	7.95
SUGHMB32	3,94	1 1/4	1 3/8	2 7/8	1 1/4	2	4 17/32	3 9/32	7 29/32	7 1/4	5 25/32	1 3/16	10.9
SUGHMB35	5,07	1 3/8	1 1/2	3 1/8	1 3/8	2 1/4	5 1/4	3 5/8	8 15/16	7 3/4	6 3/8	1 5/16	14.6
SUGHMB38	6,09	1 1/2	1 5/8	3 15/32	1 1/2	2 3/8	5 3/4	3 29/32	9 13/16	7 15/16	6 7/8	3/4	17.9
SUGHMB45	10,86	1 3/4	2	4 3/32	1 25/32	2 29/32	7	4 31/32	11 13/16	9 9/16	8 1/2	29/32	32.6
SUGHMB57	15,33	2	2 1/4	4 11/16	2 1/4	3 9/32	7 3/4	5 7/16	13 15/32	11 5/32	9 29/32	1 1/32	51.3
SUGHMB70	26,9	2 1/2	2 3/4	5 23/32	2 3/4	4 1/8	10 1/4	7 3/32	17 1/4	13 11/32	12 19/32	1 1/4	100



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### Technical specifications in inches

Article code	Weight shackle pin	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 width bow (inch)	H length (inch)	I length bolt (inch)	J width (inch)	K thickness nut (inch)	Net weight (LBS)
SUGHMB83	46,52	3	3 1/4	6 15/32	3 9/32	5	13	7 15/32	21 5/32	15 5/8	14 1/32	1 17/32	159
<b>HDSUHM0150</b>	<b>61,99</b>	<b>3 3/4</b>	<b>3 3/4</b>	<b>8 1/32</b>	<b>3 3/4</b>	<b>5 25/32</b>	<b>15 3/4</b>	<b>9 3/8</b>	<b>25 11/32</b>	<b>17 27/32</b>	<b>16 27/32</b>	<b>1 31/32</b>	<b>256</b>
HDSUHM0175	86,31	4 1/8	4 1/4	9 1/4	4 1/8	6 21/32	16 5/32	10 13/16	27	19 17/32	19 3/32	1 31/32	344

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## Green Pin Super<sup>®</sup> Bow Shackle BN

### Technical drawing

