



Bow Shackle FN Green Pin Polar® G-5143

Product information

The Green Pin Polar® Bow Shackle FN is a bow shackle with a safety bolt and fixed nut that has been optimized for use in low temperatures. The shackle can be used in extreme climatic conditions, down to -60°C (-76°F). The shackle is the perfect choice 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 Polar® Bow 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. Long-term durability is assured due to the galvanization of the Green Pin Polar® Bow Shackle FN. The shackle conforms to a wide range of certifications from class societies such as DNV GL. The Green Pin Polar® Bow Shackle FN is suitable for both one-leg and multi-leg systems and is available in a range with a working load limit from 2 up to 85 ton.

Certification on request: 2.1, 2.2, 3.1, MTCa, DNV 2.7-1a, DNV 2.7-1b

Safety factor: 7:1 up to WLL 42,5 ton. 6:1 for 55 and 85 ton.

Material: Bow and pin alloy steel, quenched and tempered

Marking: According to standard, CE-marked

Temperature range: -60°C up to +200°C

Finish: Hot dip galvanized

Standard: EN 13889

Grade: 8

Part code	WLL ton	Torque Nm	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	l mm	m mm	Weight kg
420100200720	2	8.4	13.5	16	34	13	22	51	32	89	82	58	13	M6	35	0.42
420100330720	3.25	8.4	16	19	40	16	27	64	43	110	98	75	17	M6	40	0.74
420100480720	4.75	8.4	19	22	46	19	31	76	51	129	114	89	19	M6	45	1.18
420100650720	6.5	20	22	25	52	22	36	83	58	144	130	102	22	M8	50	1.77
420100850720	8.5	20	25	28	59	25	43	95	68	164	150	118	25	M8	55	2.58
420100950720	9.5	39	28	32	66	28	47	108	75	185	166	131	27	M10	60	3.66
420101200720	12	39	32	35	72	32	51	115	83	201	178	147	30	M10	65	4.91
420101350720	13.5	39	35	38	80	35	57	133	92	227	197	162	33	M10	70	6.54
420101700720	17	20	38	42	88	38	60	146	99	249	202	175	19	M8	75	8.19
420102500720	25	20	45	50	103	45	74	178	126	300	249	216	23	M8	90	14.2
420103500720	35	39	50	57	116	50	83	197	138	334	269	238	26	M10	100	19.9
420104250720	42.5	68	57	65	130	57	95	222	160	377	301	274	29	M12	110	28.3
420105500720	55	68	65	70	145	65	105	260	180	433	330	310	32	M12	120	39.6
420108500720	85	68	75	83	162	73	127	329	190	527	380	340	40	M12	140	62

Technical data

Blueprint

