



## Bow Shackles with Safety Bolt G-4163

### Product information

**Certification:** This product can be supplied with a works certificate, 3.1 material certificate, manufacturer test certificate, EC Declaration of Conformity. All shackles starting from 2 t can be supplied with DNV 2.7-1 certificate.

**Standard:** EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade A.

**Note:** This shackle can also be delivered with fixed nut (an extra AISI 316 securing bolt is drilled through both the nut and shackle pin. This securing bolt is fastened with two sets of Nord-Lock® washers and a securing nut. These washers lock when subjected to movement and keep the nut safely in position).

**Material:** Bow and pin high tensile steel, quenched and tempered

**Marking:** According to standard, CE-marked

**Temperature range:** -40°C up to +200°C

**Finish:** Hot dip galvanized

**Standard:** EN 13889

**Safety factor:** 6:1

**Grade:** 6

Part Code	WLL ton	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	Weight kg
11.31GPGHMB06	0.5	7	8	16,5	7	12	29	20	48,5	42	34	4	0.06
11.31GPGHMB08	0.75	9	10	20	9	13,5	32	22	56	50	40	5	0.11
11.31GPGHMB10	1	10	11	22,5	10	17	36,5	26	63,5	60	46	8	0.16
11.31GPGHMB11	1.5	11	13	26,5	11	19	43	29	74	67	51	11	0.22
11.31GPGHMB13	2	13,5	16	34	13	22	51	32	89	82	58	13	0.42
11.31GPGHMB16	3.25	16	19	40	16	27	64	43	110	98	75	17	0.74
11.31GPGHMB19	4.75	19	22	46	19	31	76	51	129	114	89	19	1.18
11.31GPGHMB22	6.5	22	25	52	22	36	83	58	144	130	102	22	1.77
11.31GPGHMB25	8.5	25	28	59	25	43	95	68	164	150	118	25	2.58
11.31GPGHMB28	9.5	28	32	66	28	47	108	75	185	166	131	27	3.66
11.31GPGHMB32	12	32	35	72	32	51	115	83	201	178	147	30	4.91
11.31GPGHMB35	13.5	35	38	80	35	57	133	92	227	197	162	33	6.54
11.31GPGHMB38	17	38	42	88	38	60	146	99	249	202	175	19	8.19
11.31GPGHMB45	25	45	50	103	45	74	178	126	300	249	216	23	14.22
11.31GPGHMB50	35	50	57	111	50	83	197	138	331	269	238	26	19.85
11.31GPGHMB57	42.5	57	65	130	57	95	222	160	377	301	274	29	28.33
11.31GPGHMB65	55	65	70	145	65	105	260	180	433	330	310	32	39.59
11.31GPGHMB75	85	75	83	162	73	127	329	190	527	380	340	39	62

# Blueprint

