

Bolt Type Super Shackle

Bow shackles with safety bolt



Certification

At no extra charge, this product can be supplied with works certificate, 3.1 material certificate, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 150 tons are supplied with a Lloyd's Register of Shipping Certificate on proof load

Material:
Bow and pin alloy steel, Grade 8, quenched and tempered

Safety Factor:
MBL equals 5 x WLL

Standard:
meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade B : hot dipped galvanized (175 ton shackle is painted)

Temperature:
-20 °C up to +200 °C

Specifications

Load Limit (tons)	Diameter Bow (mm)	Diameter Pin (mm)	Diameter Eye (mm)	Width Eye (mm)	Width Inside (mm)	Length Inside (mm)	Width Bow (mm)	Length (mm)	Length Bolt (mm)	Width (mm)	Thickness Nut (mm)	Weight Each (kg)
3.3	13.5	16	34	13.5	22	51	32	91	81	63	11	0.44
5.0	16.0	19	40	16.0	27	64	43	114	99	79	17	0.79
7.0	19.0	22	47	19.0	31	76	51	136	115	94	20	1.26
9.5	22.0	25	53	22.0	36	83	58	157	131	107	23	1.88
12.5	25.0	28	60	25.0	43	95	68	176	151	124	25	2.78
15.0	28.0	32	67	28.0	47	108	75	197	167	137	28	3.87
18.0	32.0	35	74	32.0	51	115	83	218	179	154	31	5.26
21.0	35.0	38	80	35.0	57	133	92	240	198	170	34	6.94
30.0	38.0	42	89	38.0	60	146	99	262	203	183	19	8.79
40.0	45.0	50	104	45.0	74	178	126	314	244	226	24	15.0
55.0	57.0	57	133	50.0	83	197	138	365	286	264	27	22.0
85.0	70.0	70	159	65.0	105	260	180	468	342	339	33	42.0
120.0	83.0	83	171	75.0	127	329	190	564	400	371	40	70.0
150.0*	95.0	95	215	89.0	144	381	238	667	440	416	50	112.0
175.0*	105.0	108	245	100.0	165	400	275	702	490	485	60	160.0

* = Round headed bolt