

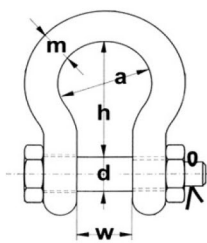
All alloy very high strength galvanized bow " Super " shackle



art. 2090/S



art. 2130/S



- art. 2090,
screw pin with eye

- art. 2130,
hexagonal head safety pin
with nut and splitpin

* Reference standard	Industrial standard
* Type of steel	High tensile steel heat-treated steel, class 8
* Design factor	5 : 1
* Standard surface finish	Hot dip galvanized, pin orange RAL 2004 painted after galvanizing (120 t and larger)
* Technical features	Very high WLL compared to dimensions
* Applications	Lifting, towing of loads in industry and marine
* Warnings	The given WLL refers to pull along the shackle's axe; side loads decrease the WLL significantly - allowed temperature -20° to +200° C - please refer to the technical part of shackles section for deepening and other warnings

Dimensional tolerances

body dia. m	from 0,5 to 2 t	from 3,25 to 12 t	13,5 t and larger
	+1,5/-1 mm	+/- 2,5 mm	+/- 3 mm
pin dia. d	from 0,5 to 2 t	3,25 t and larger	
	+/- 1 mm	+/- 2 mm	
opening w	from 0,5 to 12 t	from 13,5 to 35 t	55 t and larger
	+/- 1,5 mm	+/- 3,5 mm	+/- 6,5 mm
height h	0,5 t	from 0,75 to 2 t	3,25 t and larger
	+/- 1,5 mm	+/- 3,5 mm	+/- 6,5 mm

Technical data

code		WLL t*	nominal size inch	measures in mm						weight each approx. kg	
art. 2090/S	art. 2130/S			pin d	body m	opening w	opening a	height h	width e	2090/S	2130/S
GH2090200	-	2	3/8	11	10	17	24	36	29	0,14	-
GH2090265	-	2,625	7/16	13	11	19	27	43	32	0,23	-
GS2090325	GS2130330	3,25	1/2	16	13	21	33	51	33	0,34	0,42
GS2090500	GS2130500	5	5/8	19	16	27	42	60	40	0,59	0,7
GS2090700	GS2130700	7	3/4	22	19	31	51	71	47	1,04	1,2
GS2090950	GS2130950	9,5	7/8	25	22	37	58	84	52	1,59	1,7
GS2091250	GS2131250	12,5	1	28	25	43	68	95	58	2,27	2,5
GS2091500	GS2131500	15	1.1/8	32	28	46	74	108	64	3,18	3,4
GS2091800	GS2131800	18	1.1/4	35	32	52	83	119	72	4,31	4,8
GS2092100	GS2132100	21	1.3/8	38	35	57	89	132	83	5,68	7
GS2093000	GS2133000	30	1.1/2	42	38	60	98	146	92	-	8,4
GS2094000	GS2134000	40	1.3/4	50	45	73	127	177	109	-	14,9
GS2095000	-	50	2	57	50	83	146	197	127	-	20,33
-	GS2135500	55	2	57	50	83	146	197	127	-	22,6
-	GS2138500	85	2.1/2	70	70	105	184	267	150	-	46,4
-	GS21312000	120	3	83	83	127	190	329	171	-	70
-	GS21315000	150	3.3/4	95	95	144	238	381	215	-	112
-	GS21317500	175	4	108	105	165	275	400	245	-	160
-	GS21325000	250	4.3/8	130	120	175	290	500	260	-	235
-	GS21330000	300	4.3/4	140	125	200	305	540	280	-	285

* metric tons of 1.000 kgs

The sizes in bold character are normally ex stock available.

Codes in red to be discontinued