



PRODUCT DATA

Lifting Bow Shackle Safety Pin

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Safety pin bow shackles used for lifting, tensioning and staying systems. Manufactured and marked in accordance with AS 2741.

Applications

- Links in lifting systems
- Rigging connections
- Tension structures
- Multi sling connections
- Vehicle recovery and towing

Material



Grade S

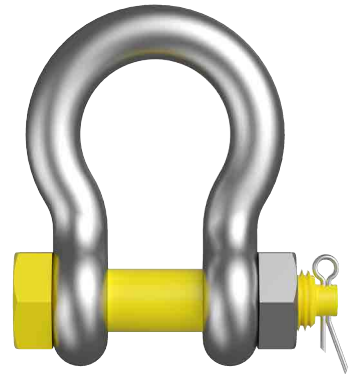
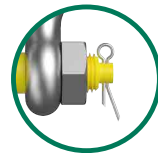
Finish



Hot Dip Galvanised

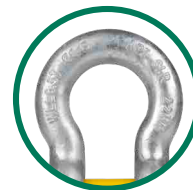
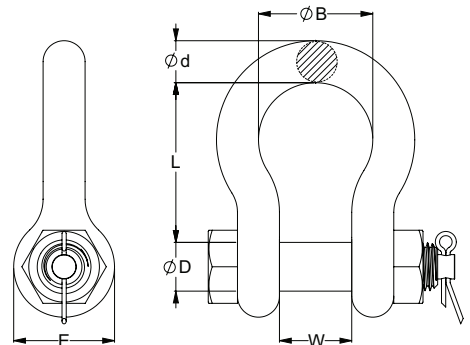
Features

- Approved for lifting
- Safety Pin



Galvanised finish with
yellow Safety Pin

Part	QFind	WLL (Tonne)	Dimensions					
			D (mm)	W (mm)	L (mm)	E (mm)	B (mm)	d (mm)
ULSHGSGBS-05	BSS5	0.33	6	10	22	14	15	5
ULSHGSGBS-06	BSS6	0.50	8	12	29	17	20	6
ULSHGSGBS-08	BSS8	0.75	10	13	31	21	21	8
ULSHGSGBS-10	BSS10	1.00	11	17	37	25	26	10
ULSHGSGBS-11	BSS11	1.50	13	18	43	27	29	11
ULSHGSGBS-13	BSS13	2.00	16	21	48	33	33	13
ULSHGSGBS-16	BSS16	3.20	19	27	61	40	43	16
ULSHGSGBS-19	BSS19	4.70	22	32	72	48	51	19
ULSHGSGBS-22	BSS22	6.50	25	37	84	54	58	22
ULSHGSGBS-25	BSS25	8.50	29	43	95	60	68	25
ULSHGSGBS-29	BSS29	9.50	32	46	108	67	74	29
ULSHGSGBS-32	BSS32	12.00	35	52	119	76	83	32
ULSHGSGBS-35	BSS35	13.50	38	57	133	84	92	35
ULSHGSGBS-38	BSS38	17.00	41	60	146	92	98	38
ULSHGSGBS-44	BSS44	25.00	51	73	178	110	127	44
ULSHGSGBS-51	BSS51	35.00	57	83	197	127	146	51
ULSHGSGBS-57	BSS57	42.50	63	95	222	143	160	57
ULSHGSGBS-63	BSS63	55.00	70	105	267	152	184	63



MARKINGS:

- CE (European Conformity)
- WLL (Working Load Limit)
- Trace Code (linked to certificate online)
- Grade
- Manufacturer's mark



You can download this
Test Certificate and/or
Report from our website:

hobson.com.au

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Correct Assembly Guide

When assembling the shackle, the following applies:

- Ensure that the correct pin is used. Pin should penetrate the full depth of the screwed eye and the collar shall sit on the surface of the drilled eye.
- Ensure pin is screwed securely into the matching nut. Once tight install safety pin to the end of the shackle pin.
- Check that the pin is seated against the shackle body. Visibly bent, overly tight fitting or misaligned shackles must be removed from service.
- Never replace a shackle pin with one of a different grade or size.
- Shackles permanently attached to a lifting device shall have their pins secured to prevent unintended release.

Figure B1: Avoiding unscrewing the pin with a chocked wrapping.

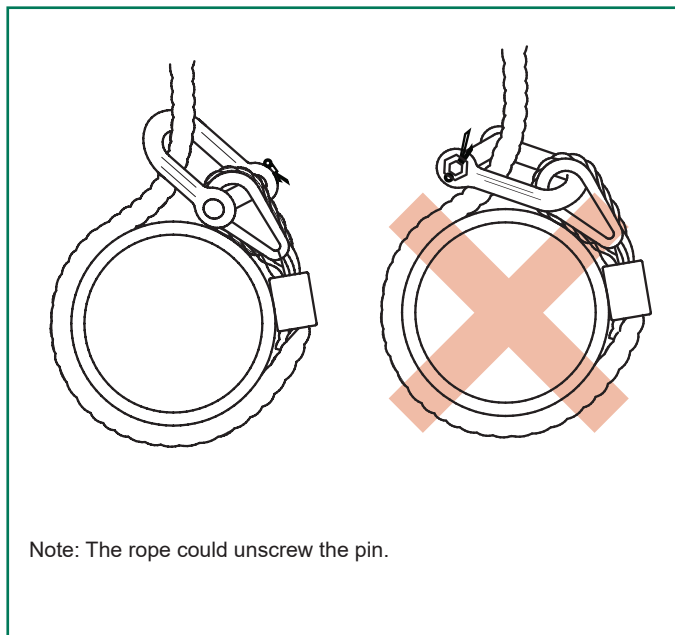
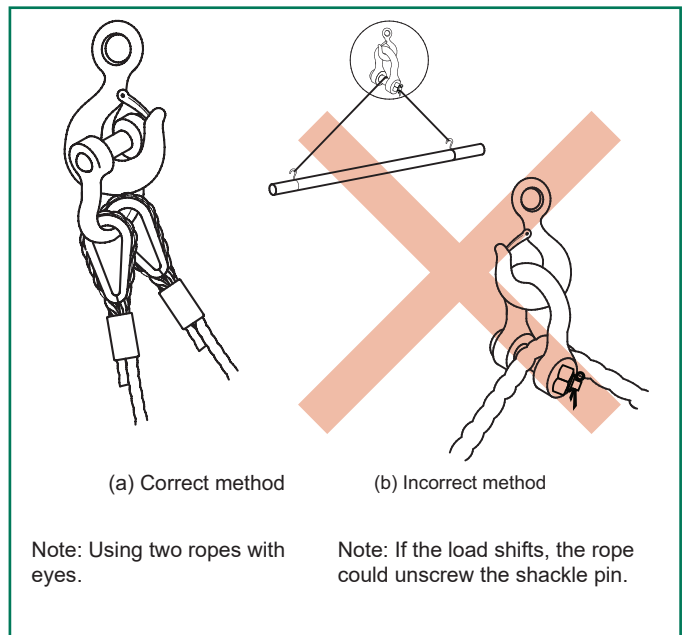


Figure B2: Avoiding unscrewing the pin by using two single-leg slings with eyes.



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Correct Usage Guide

When using the shackle, the following applies:

- A. Shackle shall be used within the temperature range of -10°C to 200°C.
- B. Avoid movements where the load can roll and unscrew the shackle pin.
- C. Loose spaced washers can be used on either end of the shackle pin to avoid eccentric loading. Do not weld spacers or washer to the shackle or pin do not bend shackle jaw (see Figure B3).
- D. Bow shackles used to connect two slings shall be assembled with slings in the shackle body and hooks engaged with the shackle pin. WLL should be reduced where the angle between slings exceeds 60°.
- E. Where shackles are used with multileg slings consideration should be given to the angle between legs of the sling.

Figure B3: Axial Loading.

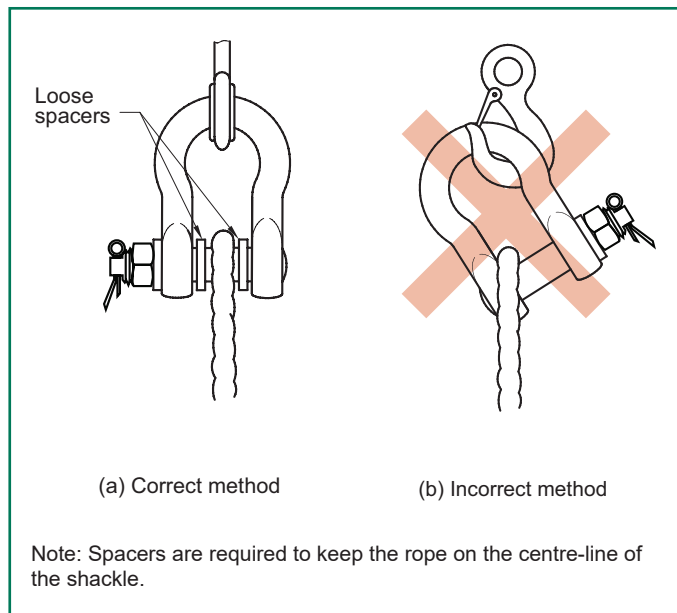
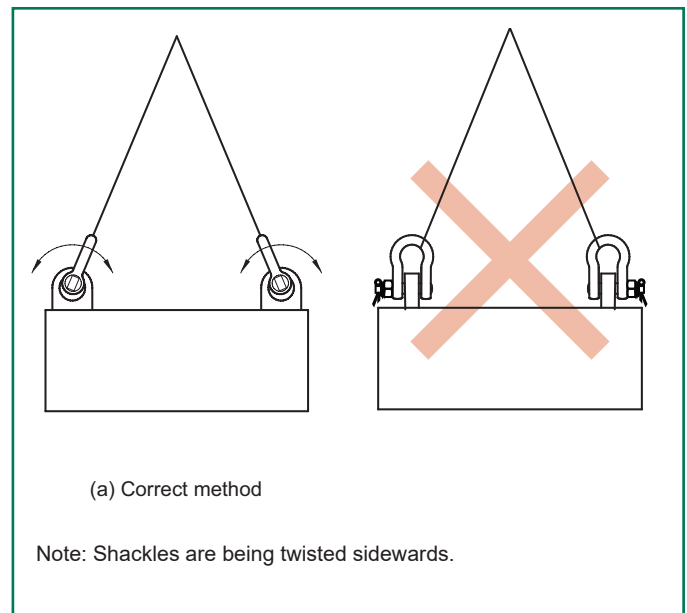


Figure B4: Typical use of shackles to sling a load.



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