CERTEX | Lifting Solutions Group
Axel Johnson International

Bow Shackle Powertex PBSP

Product information



POWERTEX

The POWERTEX Bow Shackle PBSP is a Grade 6 lifting shackle designed for demanding industrial environments where flexibility and efficiency are important. Supplied with an alloy steel screw pin, it allows quick and easy assembly and disassembly for temporary or frequently changed lifting configurations.

The bow shape supports multi-directional loading, making it suitable for use with lifting slings, chains, and wire rope assemblies. Manufactured from quenched and tempered alloy steel and hot-dip galvanized, it delivers reliable performance in daily lifting operations.

It complies with EN 13889, AS 2741 (generally), ASME B30.26, and meets the performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 2 Grade A.

Best used for

Choose the PBSP screw pin version when:

- Temporary or frequently changed lifting setups
- Applications where quick assembly and disassembly improve efficiency

Not ideal for

- Long-term installations or applications exposed to vibration or dynamic loads, where a safety bolt shackle may be more suitable.

Product benefits:

- Screw pin allows quick installation and removal for efficient lifting setups
- Bow design accommodates multi-directional loading with slings, chains, and wire rope
- Quenched and tempered Grade 6 alloy steel provides reliable strength for lifting applications
- Hot-dip galvanized finish improves corrosion resistance in outdoor a

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Material: Forged alloy steel, supplied with alloy screw pin.
Marking: According to standard, CE-mark, Powertex (PT or PTEX) , WLL, size, grade and batch number.
Temperature range: -40°C up to +200°C
Finish: All parts hot dip galvanized. Bolt additional powder painted.
Standard: EN 13889, AS 2741, ASME B30.26

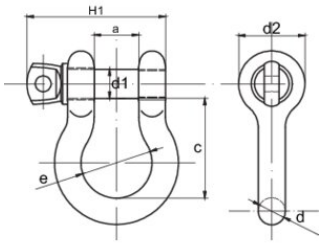
Safety factor: 6:1
Grade: 6

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Blueprint



Technical data

Part code	WLL ton	Size inch	a* mm	c* mm	d mm	d1 mm	d2 mm	e mm	H1 mm	Weight kg
420100030880	0.33	3/16	10	22.6	5	6.3	14.5	15.5	29	0.026
420100050880	0.5	1/4	13	29	6.5	8	17.5	20	38	0.048
420100080880	0.75	5/16	13.5	31	8	9.5	21	21.5	42.5	0.082
420100100880	1	3/8	17	36.5	10	11.2	25	26.2	51.5	0.15
420100150880	1.5	7/16	18.5	42.9	11.3	12.7	27	29.5	58	0.2
420100200880	2	1/2	20.6	47.75	12.7	15.8	30.5	33.3	67	0.3
420100330880	3.25	5/8	27	60	16	18.6	40	43	85	0.65
420100480880	4.75	3/4	32	71.5	19	22	48	51	98.5	1.01
420100650880	6.5	7/8	37	84.5	22	25	54	58	114	1.5
420100850880	8.5	1	43.5	96.25	26.5	28	60	68.5	129.5	2.25
420100950880	9.5	1-1/8	48	109	29	32	68	75	144	3.25
420101200880	12	1-1/4	53	120.5	32	35	76	84	157	4.45
420101350880	13.5	1-3/8	59	134	35	38	84	94	171	5.95
420101700880	17	1-1/2	62	148.5	38	42	92	99	186	7.72
420102500880	25	1-3/4	75	178	45	50	106	128	227	12.64
420103500880	35	2	84	197.5	52	55	122	148	253	18.72
420105500880	55	2-1/2	107	269.5	66	70	145	186	318	37
420108500880	85	3	130	325	76	80	165	205	382	58

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