CERTEX | Lifting Solutions Group
Axel Johnson International

Dee Shackle Powertex PDSP

Product information



POWERTEX

The POWERTEX Dee Shackle PDSP is a high-strength lifting shackle designed for straight-line load applications where quick assembly is important. Equipped with an alloy steel screw pin, it allows fast, easy connection and disconnection in frequently changing lifting setups.

The dee shape is intended for in-line loading, making it suitable for direct attachment to lifting lugs, chains, and wire rope assemblies where controlled alignment is required. Manufactured from quenched and tempered alloy steel and hot-dip galvanized, it is built for reliable use in construction, workshops, manufacturing, and general industrial lifting.

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

Best used for

- Temporary or frequently changed straight-line 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
- Dee shape keeps loads aligned for straight-line lifting applications
- Quenched and tempered Grade 6 alloy steel provides reliable strength for lifting applications
- Hot-dip galvanized finish improves corrosion resistance in outdoor and industrial environments

... Read more

Material: Forged alloy steel, supplied with 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. Screw pin additional powder painted.
Standard: EN 13889, AS 2741, ASME B30.26

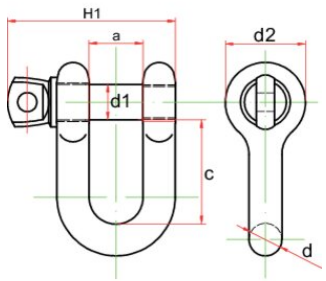
Safety factor: 6:1
Grade: 6

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Blueprint



Technical data

Part code	WLL ton	Size inch	a* mm	c* mm	d mm	d1 mm	d2 mm	H1 mm	Weight kg
420100030820	0.33	3/16	10	21.85	5	6.3	14.5	29	0.025
420100050820	0.5	1/4	13	22	6.5	8	17.5	38	0.042
420100080820	0.75	5/16	13.5	25.5	8	9.5	21	42.5	0.068
420100100820	1	3/8	17	30.9	10	11.2	25	51.5	0.13
420100150820	1.5	7/16	18.5	36.4	11	12.7	27	58	0.185
420100200820	2	1/2	20.6	41.4	12.7	15.8	30.5	67	0.29
420100330820	3.25	5/8	27	51	16	19	40	85	0.58
420100480820	4.75	3/4	32	63	19	22	48	98.5	0.93
420100650820	6.5	7/8	37	72	22	25	54	114	1.45
420100850820	8.5	1	43.5	81.75	26.5	28	60	129.5	2.06
420100950820	9.5	1-1/8	48	94	29	32	68	144	2.91
420101200820	12	1-1/4	53	102	32	35	76	157	4.15
420101350820	13.5	1-3/8	59	113.5	35	38	84	171	5.5
420101700820	17	1-1/2	62	123	38	42	92	186	6.97
420102500820	25	1-3/4	75	148	45	50	106	227	11.22

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