

D-SHACKLE TECHNICAL DATASHEET

FORGED CARBON / ALLOY STEEL HEAVY DUTY CHAIN SHACKLES

SPECIFICATION SHEET

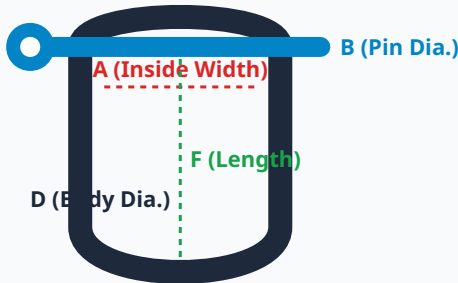
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Units: Inches (Dimensions) / Metric Tons (WLL)

Product Overview & Specifications

- Material:** High tensile forged steel body with alloy pin, quenched and tempered.
- Safety Factor:** 4:1 or 6:1 design factor as per standard load ratings.
- Finish:** Hot-dip galvanized / Electro-galvanized / Painted option.
- Application:** Straight-line tension pulling, marine rigging, lifting slings, and industrial tie-downs.
- Certification:** Test certificates available upon request (EN 10204 3.1).

Note: D-Shackles (Chain Shackles) are specifically designed for inline, single-leg loads. Do not subject to side loading.



Standard D-Shackle Dimensional Diagram

DIMENSIONAL SPECIFICATIONS & LOAD RATINGS

Nominal Size	WLL (Tons)	A	B	D	F	G	K	M	R	P	Weight (kg)
3/16"	1/3	0.38	0.25	0.10	0.56	-	-	-	-	1.29	-
1/4"	1/2	0.47	0.31	0.25	0.61	0.91	1.59	0.97	1.56	1.56	-
5/16"	3/4	0.53	0.38	0.31	0.75	1.07	1.91	1.15	1.82	1.82	0.06
3/8"	1	0.66	0.44	0.38	0.91	1.28	2.31	1.42	2.17	2.17	0.11
7/16"	1-1/2	0.75	0.50	0.44	1.06	1.48	2.67	1.63	2.51	2.51	0.15
1/2"	2	0.81	0.63	0.50	1.19	1.66	3.03	1.81	2.80	2.80	0.22
5/8"	3-1/4	1.08	0.75	0.63	1.50	2.04	3.76	2.32	3.56	3.53	0.34
3/4"	4-3/4	1.25	0.88	0.75	1.81	2.38	4.53	2.75	0.81	4.07	0.67
7/8"	6-1/2	1.44	1.00	0.88	2.09	2.81	5.33	3.19	0.97	4.71	1.17
1"	8-1/2	1.69	1.13	1.00	2.38	3.19	5.94	3.69	1.00	5.31	1.75
1-1/8"	9-1/2	1.81	1.25	1.13	2.69	3.58	6.78	4.06	1.25	5.09	2.52
1-1/4"	12	2.03	1.38	1.25	3.00	3.94	7.50	4.53	1.38	6.51	3.45
1-3/8"	13-1/2	2.25	1.50	1.38	3.31	4.38	8.28	5.00	1.50	7.21	4.90
1-1/2"	17	2.38	1.63	1.50	3.63	4.81	9.16	5.38	1.62	7.73	6.34
1-3/4"	25	2.88	1.75	1.75	4.19	5.76	10.97	6.38	2.12	8.06	8.39
2"	35	3.25	2.00	2.00	4.85	6.76	12.28	7.25	2.36	10.41	14.24
2-1/2"	55	4.13	2.62	2.62	5.59	8.00	14.84	9.38	2.63	13.56	21.21
3"	85	5.00	3.25	3.00	6.50	8.50	16.88	11.00	3.50	16.60	38.56

WLL: Working Load Limit in Metric Tons. Dimensions A, B, D, F, G, K, M, R, P are given in inches unless specified otherwise.
* All dimensions are nominal and subject to standard manufacturing tolerances. Design and specifications are subject to change without prior notice.