



HD Heavy Duty

- › WLL:
85t – 1.500t
- › Charpy value at temperature:
27J / -20°C
- › Operating temperature range:
-20°C / +200°C



HP Heavy Polar

- › WLL:
85t – 600t
- › Charpy value at temperature:
42J / -40°C
- › Operating temperature range:
-60°C / +200°C



HS Heavy Super

- › WLL:
120t – 175t
- › Charpy value at temperature:
27J / -20°C
- › Operating temperature range:
-20°C / +200°C

85 to 1.500 tons working load limit

The safety factor of our heavy lifting shackles is fully assessed by Finite-element-analysis by the manufacturer and confirmed by physical testing during DNV Type approval process.

The shackles comply with or exceed design and testing requirements of ASME B30.26-1 and US-Federal Specification RR-C 271.

The Heavy Polar (HP) shackles consist of cold-tough material and are designed for use in low temperature conditions. Heavy Super (HS) shackles consist of high tensile material and are well suited where higher loads are required with reduced dimensions and weight.

All shackles used for lifting applications are always marked with hard stamped batch code and serial ID as well as WLL, steel grade and CE-marks.

Additional markings are applied as required by the additional certification scope.

Key features

- | | | |
|--|---|--|
| › High tensile alloyed steel | › Each shackle is supplied with: | › Available on request: |
| › Type approval by DNV
(ST-0377, ST-0378) | - 100 % proof load test with MPF = 2 x WLL | - DNV-product certificate for loose gear (CG3) |
| › Unique ID number | - 100 % UT of raw material | - witnessed proof load test certificate |
| › Anti-rotation pin | - 3.1-inspection certificate acc. to EN 10204 | - 100 % MPI and UT test certificate |
| › Safety factor: 5 | - original manual of instructions | - GB-declaration of conformity UKCA |
| | - EU-declaration of conformity | - special dimensions and tolerances |
| | - painted finish | |

Strong Rope Sp. z o.o.
Sloneczna Str. 38-1
PL 72-100 Białun
NIP: 856-19-39-204
VAT: PL8561939204

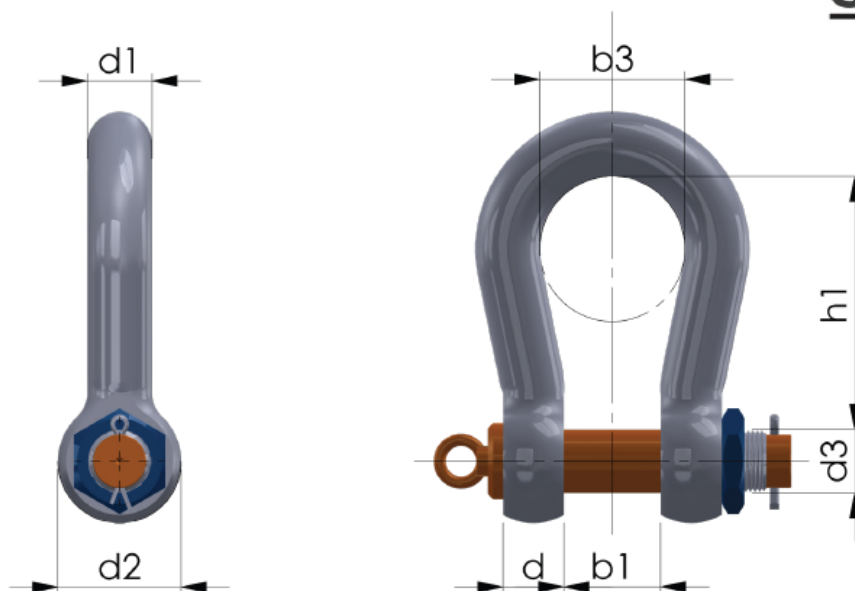
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Dimensions and capacity

Made in
Germany

CE



Type		WLL	b1	b3	d	d1	d2	d3	h1	Weight per piece
		[t]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]
HD Heavy Duty	HP Heavy Polar	85	127 / 133	190	80	85	162 / 177	83	330	78
		120	144 / 150	238	89	95	200 / 215	95	380	115
		150	165 / 173	275	100	105	230 / 245	108	385	162
		200	180 / 188	280	110	120	270 / 288	125	450	240
		250	205 / 215	305	115	130	290 / 308	140	520	306
		300	205 / 215	305	120	140	315 / 335	150	530	368
		400	230 / 240	325	160	160	365 /387	175	575	602
		500	250 / 262	350	160	180	385 / 410	185	650	735
		600	275 / 288	375	185	200	430 / 458	205	650	969
		700	300 / 315	400	200	210	440 / 468	215	650	1.091
		800	300 / 315	400	200	210	450 / 478	220	650	1.106
		1.000	340 / 357	420	210	240	500 / 530	240	700	1.476
		1.250	360 / 378	450	225	260	570 / 600	270	750	1.955
		1.500	360 / 378	450	225	280	610 / 640	290	800	2.327

HS Heavy Super	120	127 / 133	190	80	85	162 / 177	83	330	78
	150	144 / 150	238	89	95	200 / 215	95	380	115
	175	165 / 173	275	100	105	230 / 245	108	385	162

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