

AIRTM SHACKLE

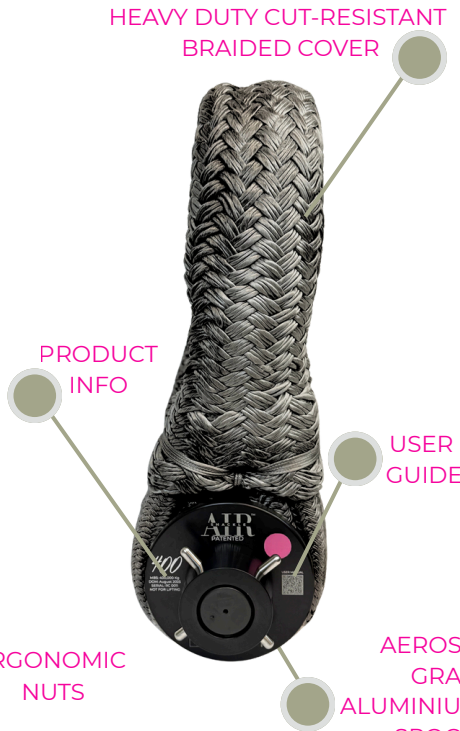


Engineered by combining rope and metal in a groundbreaking design. Delivering a lightweight, flexible alternative to traditional steel shackles. Its unique design allows for quick rigging and optimal D/d ratios. The AirShackleTM sets a new standard in rigging performance and remains the hybrid shackle benchmark in strength, safety, and innovation.



FLEXIBLE HMPE BOW

STEEL PIN



HEAVY DUTY CUT-RESISTANT
BRAIDED COVER

PRODUCT
INFO

USER
GUIDE

ERGONOMIC
NUTS

AEROSPACE
GRADE
ALUMINIUM ALLOY
SPOOLS &
NUTS/OR ALL
STEEL

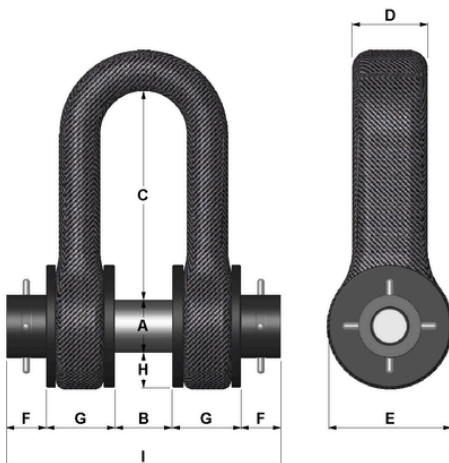
RIGGING CONCEPTS DEVELOPS INNOVATIVE LOAD-HANDLING SOLUTIONS, ENGINEERING SAFER, LIGHTER, AND SMARTER RIGGING TECHNOLOGY FOR INDUSTRIES WORLDWIDE



- Combines high-strength UHMWPE fibres with a tempered high-tensile steel load pin, nitrided for durability.
- CNC-machined aerospace-grade aluminium alloy (7075-T6) spools and nuts for 300T and 400T and all steel spools and nuts for 160T and 220T.
- Unique design allows the bow and pin to split separately for easy assembly, or remain attached on one side for quick rigging.
- Can custom make to any length and strength
- Heavy duty UHMWPE abrasion resistant braided cover
- Rigorously performance tested to recognised Industry Standards
- Good D:d ratios for compatibility with synthetic slings
- AUS Patented
- Proof-loaded at 40% of MBS
- Not to be used for lifting application (no lock nuts)



MATERIAL	Item No.	*MBS (Tonne)	A (mm)	B (mm)	Full Weight (kgs)	Bow Weight (kgs)	C (mm)	D (mm)	E (mm) +/- 10 mm	F (mm)	G (mm)	H (mm) +/- 5mm	I (mm)
ALL STEEL	WHRS-0160-0510-AIRREC	160	51	60	8.9	4.8	320	93	114	35	55	31.7	240
	WHRS-0220-0570-AIRREC	220	57	65	14.7	8.8	360	110	137	38	80	40	301
STEEL AND ALUMINIUM	WHRS-0300-0700-AIRREC	300	70	80	22	10.7	400	116	165	53	100	47.5	386
	WHRS-0400-0830-AIRREC	400	83	90	32.9	15.9	440	127	194	63	109	55.5	434



*MBS - MINIMUM BREAK STRENGTH
Ensure the connection width (B) has more than 60% coverage on the pin — over 80% ensures optimal use
Some measurements may vary due to being hand made.

* All AirShackles™ Proofed to 40% MBS — eg 400T unit proofed at 160T.
Quoted minimum breaking strength (MBS) applies only to new, unused products tested under controlled conditions. Actual performance varies with wear, industry use, load angle, and environment. These conditions differ across industries and applications, therefore no blanket Working Load Limit is recommended. It is the responsibility of the user to set their own safe WLL based on real conditions and use the product with a strong safety margin below its break strength appropriate to the level of risk and potential variation in load, wear, environment and proper engagement and coverage on the pin. Inspect the product before each use and remove it from service if there are signs of wear, damage, or deformation.*

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