

# SUPERMAX (DYNEEMA®)

## TECHNICAL DATA SHEET

SuperMax ropes are engineered from 100% Dyneema® SK78 UHMWPE fibres, offering exceptional strength-to-weight ratio, low elongation and high resistance to abrasion, UV and chemicals.

Available in 12-strand, heat-set 78 Plus, and double-braided D-Plus configurations, they deliver performance exceeding steel wire ropes at a fraction of the weight. Hydrophobic fibres ensure zero water absorption, while polyurethane coatings or HMPE covers enhance wear life and colour-coded identification. Designed for demanding marine, defence, towing and lifting applications, these ropes meet ISO, OCIMF and class approval standards for maximum operational reliability. We're a SuperMax (Dyneema)® rope supplier Australia, with a range of sizes always in stock.

Larger sizes available on request.

### Applications

- **Material:** Dyneema® SK78 UHMWPE – high modulus, minimal creep
- **Construction:** 12-strand, heat-set (78 Plus), or double-braided with HMPE cover (D-Plus)
- **Strength:** Up to 8x lighter than steel with higher MBL for same diameter
- **Elongation:** ~4–5% at break; minimal stretch under working load
- **Resistance:** Excellent against UV, chemicals and abrasion; floats on water (SG 0.97)
- **Temperature:** Melting point ~150°C; avoid prolonged high-friction contact
- **Finishes:** PU-coated or colour-coded jackets for protection and identification



### Specifications

Product Code	Diameter (mm)	Weight (KGS/100m)	Breaking Strength	
			(Ton)	(kN)
RSUPER06	6	2.3	4.2	41.2
RSUPER08	8	3.9	6.7	65.7
RSUPER10	10	5.9	10.8	105.9
RSUPER12	12	9.5	16.5	161.9
RSUPER14	14	12.8	22.0	215.8
RSUPER16	16	16.0	27.5	269.8
RSUPER20	20	25.5	41.5	407.1
RSUPER24	24	35.8	58.0	569.0
RSUPER32	32	57.0	88.5	868.2

Measurements in tables may vary between different models. Ocean Force strives to ensure accuracy but encourages customers to contact us with any questions.