

# Tiger & Aquatec Mooring Ropes

## 8 & 12 Strand Square Plait PP/PE Crushed Mono Rope

Tiger & Aquatec mooring rope is a blend of compatible Polypropylene and Polyethylene fibres, specially processed to combine the key features of this commercial marine product.



### FEATURES/ BENEFITS

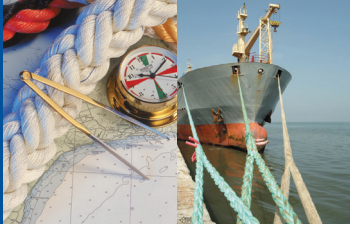
- Abrasion resistance
- High strength to weight ratio
- Shock load resistant
- UV resistant with excellent weathering properties
- Not affected by water
- Floats on water
- Kink resistance
- Distinctive colours
- 1.8m HD covered eye splice each end
- Certified to standards and supplied with either ABS, APAVE, DNV or MEG4 Certification
- Break force conforms to ISO2307:2019
- Testing conforms to ISO15072:2009 and ISO1346:2021

### APPLICATIONS

- Marine, fishing, rural, heavy industrial, oil exploration
- Slings
- Mooring
- Towing
- Docking
- Anchoring
- Fibre rope tails

### FIBRE CHARACTERISTICS

Fibre type	Description	Specific gravity	Sensitive to	Resistant to	Heat reaction	Strength and elongation
<b>PP</b> (Polypropylene)	Continuous Filament	0.91	Sodium hypochlorite and some hot organic solvents. Very susceptible to sunlight but with suitable additives, loss of strength is retarded.	Hot and cold acids like alkalis	Shrinks rapidly from flame. Curls and melts at about 165°C.	High tenacity. Good recovery from stretch and elongation at break for film ropes is 25-30%.
<b>PE</b> (Polyethylene)	Continuous Filament	0.95	Xylene at 95°C, hot nitric or Sulfuric Acids. Some hot organic solvents. Sensitive to prolonged sunlight exposure.	Most acids, alkalis, grease, oils and organic solvents.	Softens 100°C, Melts 110-120°C.	High tenacity with good recovery after stretch and extension at break of 50%.



**RANGE/TECHNICAL**

Product Code	Plt	Description	Coil wt/kg	Breaking Force KN	Breaking Force kg	UOM
<b>8 Strand</b>		<b>PP/PE ROPE 8 STRAND WITH 1.8M EYE SPLICE EACH END</b>				
RROS24TSQ	4	Tiger Rope 8 Std 24mm x 220m Yel/Blk	57	100	10200	Coil
RROS32TSQ	4	Tiger Rope 8 Std 32mm x 220m Yel/Blk	101	170	17425	Coil
RROS40TSQ	2	Tiger Rope 8 Std 40mm x 220m Yel/Blk	158	274	28000	Coil
RROS48TSQ	1	Tiger Rope 8 Std 48mm x 220m Yel/Blk	229	387	39500	Coil
RROS56TSQ	1	Tiger Rope 8 Std 56mm x 220m Yel/Blk	312	509	52000	Coil
RROS64TSQ	1	Tiger Rope 8 Std 64mm x 220m Yel/Blk	407	662	67550	Coil
RROS72TSQ	1	Tiger Rope 8 Std 72mm x 220m Yel/Blk	515	828	84500	Coil
RROS80TSQ	1	Tiger Rope 8 Std 80mm x 220m Yel/Blk	638	1019	104000	Coil
RROS40SQ*	2	Aquatec Rope 8 std 40mm x 220m Grn/Wht	158	274	28000	Coil
RROS48SQ*	1	Aquatec Rope 8 std 48mm x 220m Grn/Wht	229	387	39500	Coil
RROS56SQ*	1	Aquatec Rope 8 std 56mm x 220m Grn/Wht	312	509	52000	Coil
RROS64SQ*	1	Aquatec Rope 8 std 64mm x 220m Grn/Wht	407	662	67550	Coil
RROS72SQ*	1	Aquatec Rope 8 std 72mm x 220m Grn/Wht	515	828	84500	Coil
RROS80SQA*	1	Aquatec Rope 8 std 80mm x 220m Grn/Wht	638	1019	104000	Coil
<b>12 Strand</b>		<b>PP/PE ROPE 12 STRAND WITH 1.8M EYE SPLICE EACH END</b>				
RROS52S12*	1	Aquatec Rope 12 std 52mm x 220m Grn/Wht	274	464	47400	Coil
RROS56S12*	1	Aquatec Rope 12 std 56mm x 220m Grn/Wht	316	540	55100	Coil
RROS64S12*	1	Aquatec Rope 12 std 64mm x 220m Grn/Wht	413	691	70500	Coil
RROS72S12*	1	Aquatec Rope 12 std 72mm x 220m Grn/Wht	523	874	89200	Coil
RROS80S12*	1	Aquatec Rope 12 std 80mm x 220m Grn/Wht	648	1062	108400	Coil

\* All Products are certified to standard with either ABS, DNV, APAVE or MEG4 certificate available on delivery.

\*\* NOTE breaking force is for unspliced rope, spliced rope is less 10% as per ISO 10572

\*\*\* NOTE The MBL should never be considered as the safe working load of Rope. For calculating safe working load please refer factor of safety = Breaking force/6 & 9. Specifications subject to ± 5% variation.

\*\*\*\* Products marked \* are made to order upon request and subject to a lead time.

**Breaking Force Graph**

(compared to Standard PP 8 Plait Square Rope)

