



HAWSER SYSTEMS

SPECIFICATION

Construction

8-strand multiplait. Made from high tenacity multifilament polyester yarns carefully selected after exhaustive testing.

Colour

Lustrous white with black marker for easy identification.

Characteristics

Great strength and durability. Ideally suited to cyclic loading applications.

Specific gravity

1.38.

Temperature resistance

At -40°C , Hercules polyester ropes remain flexible and do not become brittle. At the other extreme, they have a melting point of 260°C .

Ultraviolet resistance

Excellent. A slight deterioration of the outer filaments will occur only after prolonged exposure to fierce sunlight.

Flexibility

The handling characteristics of Hercules ropes are very good. Because the fibres will not absorb water, the ropes remain flexible in both wet and dry conditions.

Stretch and recovery

Hercules ropes have a breaking stretch of around 34% on first loading, falling to 24% after repeated loading. Again, performance is unaffected by wetting.

Chemical resistance

Excellent.

Decay resistance

Hercules polyester ropes are guaranteed not to rot. On recent independent tests polyester yarns were shown to have a higher resistance to yarn-on-yarn abrasion than nylon, though both are adversely affected by seawater immersion over long periods.



synthetic fibre ropes. Size, weight and strength comparisons

	3-strand dia. mm	8-strand multiplait size no.	Weight kg per 100m	Guaranteed minimum strength tonnes		3-strand dia. mm	8-strand multiplait size no.	Weight kg per 100m	Guaranteed minimum strength tonnes
POLYESTER	64	8	328	67	SPUNSTAPLE	64	8	185	46.6
Hercules	72	9	415	83	POLYPROPYLENE	72	9	234	58.5
	80	10	512	103	Nelson	80	10	290	72.0
	88	11	614	122		88	11	351	88.4
	96	12	736	144		96	12	417	102.0
	104	13	860	167		104	13	490	120.0
	112	14	1000	186		112	14	570	135.0
	120	15	1150	219		120	15	650	155.0
	128	16	1310	247		128	16	740	175.0
	144	18	1660	311		144	18	940	220.0
	160	20	2040	390		160	20	1160	270.0
	176	21	2250	430		176	21	1280	300.0
	184	22	2470	470		184	22	1400	325.0
	192	23	2700	500		192	23	1530	360.0
		24	2930	550			24	1670	390.0

	3-strand dia. mm	8-strand multiplait size no.	Weight kg per 100m	Guaranteed minimum strength tonnes		Braid-on-braid dia. mm	circ. in.	Weight kg per 100m	Provisional minimum strength tonnes
POLYESTER/	64	8	242	57.9	NYLON	64	8	267	90
SPUNSTAPLE	72	9	306	72.1		72	9	338	109
POLYPROPYLENE	80	10	378	88.4		80	10	418	138
Superna	88	11	457	106.0		88	11	506	167
	96	12	545	125.0		96	12	602	195
	104	13	640	145.0		104	13	706	232
	112	14	740	165.0		112	14	820	267
	120	15	850	190.0		120	15	940	305
	128	16	970	215.0		128	16	1070	340
	144	18	1220	270.0		144	18	1350	420
	160	20	1510	330.0		160	20	—	—
	176	21	1660	365.0		176	21	1840	570
	184	22	1830	400.0		184	22	—	—
	192	23	2000	440.0		192	23	—	—
		24	2180	470.0			24	2410	750