

MOORING LINES COMPARATIVE DATA SECTION

For More Information Contact;
American Rigging Supply, Inc.

PRIMARY MOORING LINE COMPARISON

**SAMSON TO WIRE BY:
SIZE, STRENGTH
AND WEIGHT**

“THE LINES ARE EXTREMELY LIGHTWEIGHT COMPARED TO THE STEEL WIRE ROPES THEY REPLACED, MAKING IT EASY FOR CREW AND TERMINAL PERSONNEL TO HANDLE.”



Size	28mm [1-1/8"]	32mm [1-5/16"]	30mm [1-1/4"]	28mm [1-1/8"]	28mm [1-1/8"]
MBS Tonnes	60.4 MT	64.7 MT	61.2 MT	55.2 MT	59.0 MT
KG/100 M	47.5 Kg	56.4 Kg	53.6 Kg	345.0 Kg	345.0 Kg
Size	36mm [1-1/2"]	40mm [1-5/8"]	40mm [1-5/8"]	36mm [1-1/2"]	36mm [1-1/2"]
MBS Tonnes	92.9 MT	96.7 MT	102.0 MT	91.2 MT	97.6 MT
KG/100 M	76.9 Kg	87.0 Kg	86.3 Kg	570.0 Kg	570.0 Kg
Size	40mm [1-5/8"]	44mm [1-3/4"]	44mm [1-3/4"]	40mm [1-5/8"]	40mm [1-5/8"]
MBS Tonnes	116.0 MT	115.0 MT	125.0 MT	113.0 MT	121.0 MT
KG/100 M	97.0 Kg	105.0 Kg	103.0 Kg	704.0 Kg	704.0 Kg
Size	44mm [1-3/4"]	48mm [2"]	48mm [2"]	44mm [1-3/4"]	44mm [1-3/4"]
MBS Tonnes	137.0 MT	134.0 MT	149.0 MT	136.0 MT	146.0 MT
KG/100 M	117.0 Kg	124.0 Kg	126.0 Kg	851.0 Kg	851.0 Kg



PRIMARY MOORING LINE STRENGTH COMPARISON

STRENGTHS SHOWN IN METRIC TONNES

SIZE		AMSTEEL-BLUE		FORCE-8		DPX-75		PROTON® 8	
Dia. Inches	Dia. mm	SRT MBS	ISO/BS EN919	SRT MBS	ISO/BS EN919	SRT MBS	ISO/BS EN919	SRT MBS	ISO/BS EN919
1-1/8"	28mm	60.4 MT	67.1 MT	51.3 MT	56.6 MT	51.3 MT	56.7 MT	31.3 MT	34.7 MT
1-1/4"	30mm	67.5 MT	75.0 MT	57.7 MT	64.0 MT	61.2 MT	68.0 MT	39.4 MT	43.8 MT
1-5/16"	32mm	75.2 MT	83.5 MT	64.7 MT	71.9 MT	67.6 MT	74.8 MT	47.2 MT	52.4 MT
1-3/8"	34mm	83.9 MT	93.2 MT	68.9 MT	76.6 MT	75.7 MT	83.9 MT	48.8 MT	54.2 MT
1-1/2"	36mm	92.9 MT	103.0 MT	80.0 MT	88.9 MT	85.7 MT	95.3 MT	56.7 MT	63.0 MT
1-5/8"	40mm	116.0 MT	128.0 MT	96.7 MT	107.0 MT	102.0 MT	113.0 MT	63.5 MT	70.6 MT
1-3/4"	44mm	137.0 MT	152.0 MT	115.0 MT	127.0 MT	125.0 MT	138.0 MT	86.0 MT	95.5 MT

P-7 PENDANTS FOR PRIMARY MOORING LINES

*For More Information Contact;
American Rigging Supply, Inc.*

P-7 MOORING PENDANTS

PRODUCT CODE: 709



MOORING MASTER P-7

SAMSON SUGGESTS THE USE OF BRAIDED MOORING MASTER P-7 (100% POLYESTER) FOR PRIMARY MOORING LINE PENDANTS. THE EFFICIENT DESIGN OF P-7 PENDANTS ALLOWS SIGNIFICANT SIZE AND WEIGHT ADVANTAGES OVER CONVENTIONAL 8-BRAID PENDANTS; HIGHER STRENGTHS CAN ALLOW "DOWN-SIZING." P-7 MOORING PENDANTS MEET THE RECOMMENDATIONS OF OCIMF.

P-7 mooring pendants provide the energy absorption to minimize ship excursion in a mooring system, while holding up to the abuse of being dragged on piers and working on rough mooring hooks, cleats and bollards. P-7 has braided polyester strength members covered by a heavy-duty polyester jacket. The core provides the superior flex fatigue resistance for maximum service life, while the polyester jacket provides the protection necessary in rough working environments. P-7 pendants are available in single leg and strop configurations and can be connected to the primary mooring line by cow-hitching the soft eyes or with a mandel shackle.



P-7 SINGLE LEG PENDANTS

SINGLE LEG:

Standard length is 11M OAL with a 2M soft eye one end and a 1M soft eye the other end. The vertex and splice area are urethane coated for added wear protection.



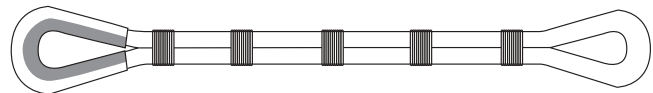
SIZING OF P-7 SINGLE LEG PENDANTS TO AMSTEEL-BLUE MOORING LINE SIZES BASED ON OCIMF PENDANT STRENGTH REQUIREMENTS

AmSteel-Blue Mooring Lines Size Dia. Inches	AmSteel-Blue Mooring Lines Size Dia. mm	AmSteel-Blue MBS Tonnes	OCIMF Required Pendant MBS Tonnes	Required P-7 Single Leg Rope Size	P-7 Single Leg MBS Tonnes	Approx. Weight/Unit Lbs. Kg
1"	24mm	44.5 MT	55.6 MT	1-7/8"	46mm	65 lbs. 29.5 Kg
1-1/16"	26mm	53.6 MT	66.9 MT	2"	48mm	70 lbs. 31.8 Kg
1-1/8"	28mm	60.4 MT	75.4 MT	2-1/8"	52mm	75 lbs. 34.0 Kg
1-5/16"	32mm	75.2 MT	94.1 MT	2-3/8"	56mm	85 lbs. 38.6 Kg
1-1/2"	36mm	92.9 MT	116.3 MT	2-5/8"	64mm	110 lbs. 49.9 Kg
1-5/8"	40mm	116.0 MT	144.6 MT	3"	72mm	140 lbs. 63.5 Kg
1-3/4"	44mm	137.0 MT	171.3 MT	See Strop	See Strop	See Strop

P-7 STROP PENDANTS

STROP:

Standard length is 11M OAL with 2M and 1M soft eyes for med by way of lashings. The body of the strop is lashed together 3M in from each eye lashing.



SIZING OF P-7 STROP PENDANTS TO AMSTEEL-BLUE MOORING LINE SIZES BASED ON OCIMF PENDANT STRENGTH REQUIREMENTS

AmSteel-Blue Mooring Lines Size Dia. Inches	AmSteel-Blue Mooring Lines Size Dia. mm	OCIMF Required Pendant MBS Tonnes	Required P-7 Rope Size for Strop Configuration	P-7 Single Leg Pendant MBS Tonnes	P-7 Strop Pendant MBS Tonnes	Approx. Weight/Unit Lbs. Kg
1"	24mm	55.6 MT	1-1/2" 36mm	38.8 MT	62.1 MT	70 lbs. 31.8 Kg
1-1/16"	26mm	66.9 MT	1-5/8" 40mm	45.2 MT	72.3 MT	80 lbs. 36.3 Kg
1-1/8"	28mm	75.4 MT	1-3/4" 44mm	52.8 MT	84.5 MT	90 lbs. 40.8 Kg
1-5/16"	32mm	94.1 MT	1-7/8" 46mm	60.3 MT	96.5 MT	100 lbs. 45.4 Kg
1-1/2"	36mm	116.3 MT	2-1/8" 52mm	77.6 MT	124.0 MT	120 lbs. 54.4 Kg
1-5/8"	40mm	144.6 MT	2-1/4" 56mm	87.3 MT	140.0 MT	135 lbs. 61.2 Kg
1-3/4"	44mm	171.3 MT	2-1/2" 60mm	108.0 MT	173.0 MT	160 lbs. 72.6 Kg

SECONDARY MOORING LINES

For More Information Contact;
American Rigging Supply, Inc.

SECONDARY MOORING LINE STRENGTH COMPARISON

STRENGTHS SHOWN IN METRIC TONNES

		PROTON® 8		ROUND PLAIT SSR-1200		ROUND PLAIT PNX	
Size Dia. Inches	Size Dia. mm	SRT MBS	ISO/BS EN919	SRT MBS	ISO/BS EN919	SRT MBS	ISO/BS EN919
1-5/8"	40mm	63.5 MT	70.6 MT	29.4 MT	32.7 MT	-	-
1-3/4"	44mm	86.0 MT	95.5 MT	34.3 MT	38.1 MT	-	-
2"	48mm	108.0 MT	120.0 MT	41.6 MT	46.3 MT	-	-
2-1/8"	52mm	126.0 MT	140.0 MT	49.0 MT	54.4 MT	-	-
2-1/4"	56mm	143.0 MT	159.0 MT	56.7 MT	63.1 MT	-	-
2-1/2"	60mm	180.0 MT	200.0 MT	64.9 MT	72.1 MT	53.1 MT	59.0 MT
2-5/8"	64mm	198.0 MT	219.0 MT	71.4 MT	79.4 MT	59.2 MT	65.8 MT
2-3/4"	68mm	212.0 MT	236.0 MT	83.3 MT	92.5 MT	64.1 MT	71.2 MT
3"	72mm	246.0 MT	273.0 MT	89.8 MT	99.8 MT	73.5 MT	81.6 MT

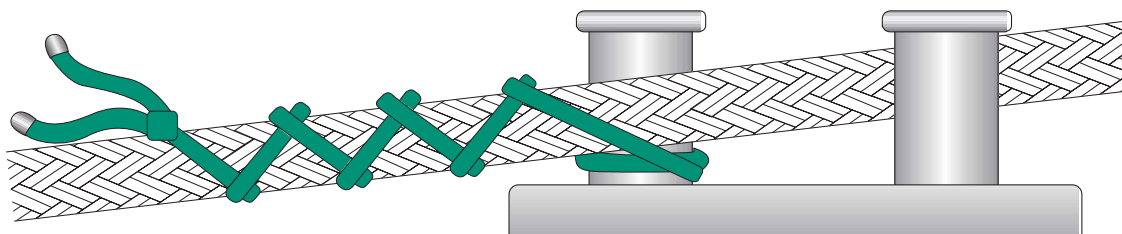


TENEX – TEC

SECONDARY MOORING LINE STOPPER

PRODUCT CODE: 825

Tenex-Tec is a twelve-strand Samthane coated, high tenacity polyester single braid that offers high strength, low stretch and outstanding abrasion resistance. Tenex-Tec makes an excellent mooring line stopper because during its initial use, the design will flex-conform to the specific mooring line rope construction and improve its holding capability. As Tenex-Tec wears, its COF increases even more. It should only be used with synthetic fiber secondary mooring lines, or mooring lines not on winches. Tenex-TEC should not be used on high performance synthetic ropes that have external outer fibers of low coefficient of friction material such as Dyneema fiber.



STOPPER STRENGTH COMPARISON

Size Dia. Inches	Weight Lbs. Per 100 FT.	SRT MBS/lbs.	ISO/BS EN919 Strength/lbs.	Size Dia. mm	Weight Lbs. Per 100 M	STR MBS/Tonnes	ISO/BS EN919 Strength/Tonnes
1-1/4"	55.0 lbs.	55,800 lbs.	62,000 lbs.	30mm	81.9 kg	25.3 MT	28.1 MT