

ROLLER SHEAVES



Roller Sheaves are used to protect the minimum bending radius (MBR) of a line during deployment or when a line needs to be routed around an obstruction on a rig. ABCO Subsea offers standard Roller Sheaves that can accommodate lines with MBRs ranging from below 18" to 48". Roller Sheaves can secure lines with an outside diameter ranging from $\varnothing 1"$ - $\varnothing 5.5"$. ABCO Subsea also offers Support Arches.

Advantages:

- In-house Factory Acceptance Testing
- Proven field track record
- Available in stackable, articulating or double-articulating configurations
- No loose components

DNV or ABS certifications are available for ABCO Subsea's Roller Sheaves.

DNV Type Certified for standard sizes and configurations.



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ROLLER SHEAVES

Technical Data



Material Designation:

Sheave Weldment	Carbon Steel or Duplex Stainless Steel
Coating (for Carbon Steel Models)	3-Coat Epoxy
Rollers	70-D Polyurethane
Fasteners	316 Stainless Steel

Legend:

(C)	Carbon Steel
(S)	Steel

18 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4002.01 (C)/4014.01 (S)	47" (1196 mm)	13.8" (350.8 mm)	49" (1248 mm)	452 lbs (205 kg)
2.5-3.99"	4002.02 (C)/4014.02 (S)	47" (1196 mm)	13.8" (350.8 mm)	49" (1248 mm)	443.5 lbs (201.2 kg)
4-5.5"	4002.03 (C)/4014.03 (S)	47" (1196 mm)	13.8" (350.8 mm)	49" (1248 mm)	443.5 lbs (201.2 kg)

24 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4003.01 (C)/4015.01 (S)	59" (1505 mm)	13.8" (350.8 mm)	55" (1402 mm)	570 lbs (258.5 kg)
2.5-3.99"	4003.02 (C)/4015.02 (S)	59" (1505 mm)	13.8" (350.8 mm)	55" (1402 mm)	564 lbs (255.8 kg)
4-5.5"	4003.03 (C)/4015.03 (S)	59" (1505 mm)	13.8" (350.8 mm)	55" (1402 mm)	559 lbs (253.6 kg)

30 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4004.01 (C)/4016.01 (S)	71" (1806 mm)	13.8" (350.8 mm)	61" (1549 mm)	697 lbs (316.2 kg)
2.5-3.99"	4004.02 (C)/4016.02 (S)	71" (1806 mm)	13.8" (350.8 mm)	61" (1549 mm)	689.5 lbs (312.8 kg)
4-5.5"	4004.03 (C)/4016.03 (S)	71" (1806 mm)	13.8" (350.8 mm)	61" (1549 mm)	683 lbs (309.8 kg)

36 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4005.01 (C)/4017.01 (S)	83" (2115 mm)	13.8" (350.8 mm)	67" (1699 mm)	827 lbs (375.1 kg)
2.5-3.99"	4005.02 (C)/4017.02 (S)	83" (2115 mm)	13.8" (350.8 mm)	67" (1699 mm)	819.5 lbs (371.7 kg)
4-5.5"	4005.03 (C)/4017.03 (S)	83" (2115 mm)	13.8" (350.8 mm)	67" (1699 mm)	813 lbs (368.8 kg)

42 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4006.01 (C)/4018.01 (S)	95" (2418 mm)	13.8" (350.8 mm)	74" (1876 mm)	993.5 lbs (450.6 kg)
2.5-3.99"	4006.02 (C)/4018.01 (S)	95" (2418 mm)	13.8" (350.8 mm)	74" (1876 mm)	984.5 lbs (446.6 kg)
4-5.5"	4006.03 (C)/4018.01 (S)	95" (2418 mm)	13.8" (350.8 mm)	74" (1876 mm)	976.5 lbs (442.9 kg)

48 inch MBR Sheaves:

DIAMETER OF LINES	ABCO PART NUMBER (CARBON/STEEL)	LENGTH	WIDTH	HEIGHT	WEIGHT IN AIR (CARBON/STEEL)
1-2.49"	4007.01 (C)/4019.01 (S)	107" (2720 mm)	13.8" (350.8 mm)	80" (2028 mm)	1141.5 lbs (517.8 kg)
2.5-3.99"	4007.02 (C)/4019.02 (S)	107" (2720 mm)	13.8" (350.8 mm)	80" (2028 mm)	1133 lbs (513.9 kg)
4-5.5"	4007.03 (C)/4019.03 (S)	107" (2720 mm)	13.8" (350.8 mm)	80" (2028 mm)	1125 lbs (510.3 kg)