SUPPORT ARCH

Support Arches are used to protect the minimum bending radius (MBR) of a line during transition to a marine drilling riser. Support Arches stab into a Telescopic Joint Clamp (TJ Clamp), which is secured around the outer barrel of a telescopic joint. ABCO Subsea sells TJ Clamp/Support Arch configurations that can be used to install as many as three Support Arches onto one drilling riser. Support Arches can accommodate single lines with up to a Ø5.5" Outside Diameter (OD), or several lines with a combined OD of up to Ø7.5". ABCO Subsea's Support Arches can accommodate MBRs up to 42".

Advantages:

- In-house Factory Acceptance Testing
- Proven field track record
- No loose components

DNV or ABS certifications are available for ABCO Subsea's Support Arches.

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SUPPORT ARCH Technical Data

Support Arch Material Designation:

Support Arch Weldment	Carbon Steel or Duplex Stainless Steel
Coating (for Carbon Steel Models)	3-Coat Epoxy
Low Friction Tiles	90-A Polyurethane
Fasteners	316 Stainless Steel

Legend:

(C)	Carbon Steel
(S)	Steel

Support Arch Technical Data (Weldment only):

	18" MBR SUPPORT ARCH	24" MBR SUPPORT ARCH	30" MBR SUPPORT ARCH	36" MBR SUPPORT ARCH	42" MBR SUPPORT ARCH
ABCO Part Number	4031.72 (C) 4031.01 (S)	4032.72 (C) 4032.01 (S)	4033.72 (C) 4033.01 (S)	4034.72 (C) 4034.01 (S)	4035.72 (C) 4035.01 (S)
Height	45.31" (1150.87 mm)	51.31" (1303.27 mm)	57.31" (1455.67 mm)	63.31" (1608.07 mm)	69.31" (1760.47 mm)
Width	14.5" (368.3 mm)	14.5" (368.3 mm)	14.5" (368.3 mm)	14.5" (368.3 mm)	14.5" (368.3 mm)
Length	52.13" (1324.10 mm)	64.13" (1628.90 mm)	76.13" (1933.70 mm)	88.13" (2238.50 mm)	100.13" (2543.30 mm)
Weight in Air	461.5 lbs (209.33 kg)	603 lbs (273.52 kg)	755 lbs (342.46 kg)	916.5 lbs (415.71 kg)	1088.6 lbs (493.78 kg)

TJ Clamp Material Designation:

Telescopic Joint Clamp Weldment	Carbon Steel or Duplex Stainless Steel
Coating	3-Coat Epoxy
Weight in Air	Varies
Weight in Water	Varies
Fasteners	