

DATASHEET



Product Description

The OXMOS line of cross-coupling and mid-joint protectors are designed to support and protect an ESP cable, instrument cable or control line within the well bore. A well designed cable protection system will increase the reliability of the installed ESP System or stand alone monitoring system and will extend the life of the cable. OXMOS cast steel cable protectors are available for API tubing sizes from 2 3/8" to 5 1/2". Additional sizes are available on request.



Applications

- Completions with Electric Submersible Pumping Systems.
- Completions with gauges.
- Completions using control line, fiber optic cable or electric cable.
- Completions with surface-controlled, subsurface safety valves.
- Intelligent Completions.

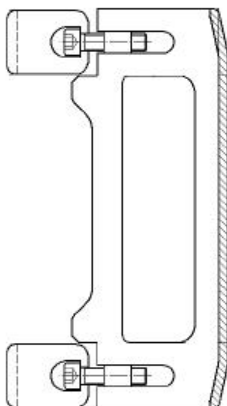


Benefits

- Designed to support the cable or control line without excessive physical force.
- Prevents damage to cable or control line during run and pull of the Completion.
- Easy to install and remove and can be re-used.
- Reduces risk of hang up or twisting of cable or control line during run and pull.
- Single Piece construction, eliminating risk of loose parts dropping down the well.

Material

- Carbon Steel
- 13 Chrome Steel (SS 420)
- Stainless Steel (SS 304/316)



Data required at time of enquiry

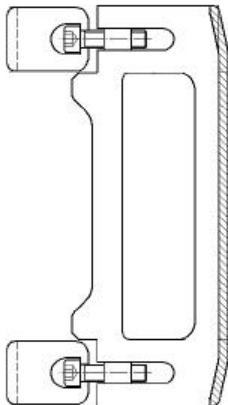
- Tubing size & thread type
- Cable size & type
- Control Line size and type
- Required metallurgy

COMPLETION ACCESSORIES

Cast ESP Cable / Control Line Protector



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Cross Coupling Cable Protectors

Tubing Size	ESP Cable Size	Control Line Slots	Tubing Type
2-3/8"	#6 Flat	1/4", 3/8"	UP TBG (EUE)
2-3/8"	#6 Round	1/4", 3/8"	UP TBG (EUE)
2-3/8"	#4 Flat	1/4", 3/8"	UP TBG (EUE)
2-3/8"	#4 Round	1/4", 3/8"	UP TBG (EUE)
2-7/8"	#6 Flat	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	#6 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	#4 Flat	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	#4 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	#2 Flat	1/4", 3/8"	UP TBG (EUE)
2-7/8"	#2 Round	1/4", 3/8"	UP TBG (EUE)
3-1/2"	#6 Flat	0.43", 1/4", 3/8"	UP TBG (EUE)
3-1/2"	#6 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
3-1/2"	#4 Flat	0.43", 1/4", 3/8"	UP TBG (EUE)
3-1/2"	#4 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
3-1/2"	#2 Flat	1/4", 3/8"	UP TBG (EUE)
3-1/2"	#2 Round	1/4", 3/8"	UP TBG (EUE)
3-1/2"	#1 Flat	1/4", 3/8"	UP TBG (EUE)
3-1/2"	#1 Round	1/4", 3 x 3/8"	UP TBG (EUE)
4-1/2"	#4 Flat	0.43", 1/4", 3/8"	UP TBG (EUE)
4-1/2"	#4 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
4-1/2"	#2 Flat	1/4", 3/8"	UP TBG (EUE)
4-1/2"	#2 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
4-1/2"	#1 Flat	1/4", 3/8"	UP TBG (EUE)
4-1/2"	#1 Round	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	#4 Flat	0.43", 1/4", 3/8"	NK3SB
2-7/8"	#4 Round	0.43", 1/4", 3/8"	NK3SB
3-1/2"	#4 Flat	0.43", 1/4", 3/8"	NK3SB
3-1/2"	#4 Round	0.43", 1/4", 3/8"	NK3SB
3-1/2"	#2 Flat	1/4", 3/8"	NK3SB
3-1/2"	#2 Round	0.43", 1/4", 3/8"	NK3SB
4-1/2"	#4 Flat	0.43", 1/4", 3/8"	NK3SB
4-1/2"	#4 Round	0.43", 1/4", 3/8"	NK3SB
4-1/2"	#2 Flat	1/4", 3/8"	NK3SB
4-1/2"	#2 Round	0.43", 1/4", 3/8"	NK3SB
3-1/2"	#4 Flat	0.43", 1/4", 3/8"	FOX
3-1/2"	#4 Round	0.43", 1/4", 3/8"	FOX
3-1/2"	#2 Flat	1/4", 3/8"	FOX
3-1/2"	#2 Round	0.43", 1/4", 3/8"	FOX
4-1/2"	#4 Flat	0.43", 1/4", 3/8"	FOX
4-1/2"	#4 Round	1/4", 3/8"	FOX
4-1/2"	#2 Flat	1/4", 3/8"	FOX
4-1/2"	#2 Round	2 x 1/4", 2 x 3/8"	FOX
4-1/2"	#1 Flat	1/4", 3/8"	FOX
4-1/2"	#1 Round	1/4", 3/8"	FOX
3-1/2"	#4 Flat	0.43", 1/4", 3/8"	VamTop
3-1/2"	#4 Round	0.43", 1/4", 3/8"	VamTop
3-1/2"	#2 Flat	1/4", 3/8"	VamTop
3-1/2"	#2 Round	0.43", 1/4", 3/8"	VamTop

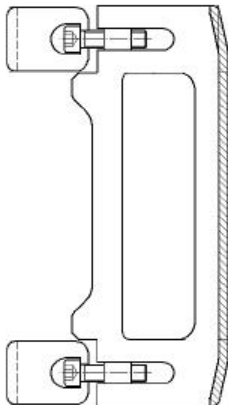
Other Sizes with different tubing size, cable size and/or control line slots available on request.

COMPLETION ACCESSORIES

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Mid Joint Cable Protectors



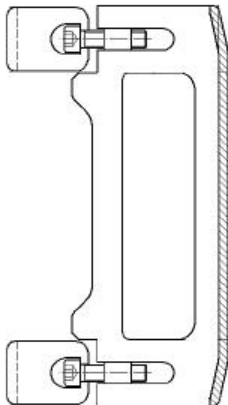
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2-3/8"	#6 Round	0.43", 1/4", 3/8"
2-3/8"	#4 Flat	0.43", 1/4", 3/8"
2-3/8"	#4 Round	0.43", 1/4", 3/8"
2-7/8"	#6 Flat	0.43", 1/4", 3/8"
2-7/8"	#6 Round	0.43", 1/4", 3/8"
2-7/8"	#4 Flat	0.43", 1/4", 3/8"
2-7/8"	#4 Round	0.43", 1/4", 3/8"
2-7/8"	#2 Flat	0.43", 1/4", 3/8"
2-7/8"	#2 Round	0.43", 1/4", 3/8"
2-7/8"	#2 Flat	0.43", 1/4", 3/8"
3-1/2"	#6 Flat	0.43", 1/4", 3/8"
3-1/2"	#6 Round	0.43", 1/4", 3/8"
3-1/2"	#4 Flat	0.43", 1/4", 3/8"
3-1/2"	#4 Round	0.43", 1/4", 3/8"
3-1/2"	#2 Flat	0.43", 1/4", 3/8"
3-1/2"	#2 Round	0.43", 1/4", 3/8"
3-1/2"	#1 Flat	0.43", 1/4", 3/8"
3-1/2"	#1 Round	0.43", 1/4", 3/8"
4-1/2"	#4 Flat	0.43", 1/4", 3/8"
4-1/2"	#4 Round	0.43", 1/4", 3/8"
4-1/2"	#2 Flat	0.43", 1/4", 3/8"
4-1/2"	#2 Round	0.43", 1/4", 3/8"
4-1/2"	#1 Flat	0.43", 1/4", 3/8"
4-1/2"	#1 Round	0.43", 1/4", 3/8"

Other Sizes with different tubing size, cable size and/or control line slots available on request.

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Cross Coupling Control Line Protectors

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3-1/2"	0.43", 1/4", 3/8"	UP TBG (EUE)
4-1/2"	0.43", 1/4", 3/8"	UP TBG (EUE)
2-7/8"	0.43", 1/4", 3/8"	NK3SB
3-1/2"	0.43", 1/4", 3/8"	NK3SB
4-1/2"	0.43", 1/4", 3/8"	NK3SB
3-1/2"	0.43", 1/4", 3/8"	FOX
4-1/2"	0.43", 1/4", 3/8"	FOX
3-1/2"	0.43", 1/4", 3/8"	VamTop
4-1/2"	0.43", 1/4", 3/8"	VamTop

Mid Joint Control Line Protectors

Tubing Size	Control Line Slots
2-3/8"	0.43", 1/4", 3/8"
2-7/8"	0.43", 1/4", 3/8"
3-1/2"	0.43", 1/4", 3/8"
4-1/2"	0.43", 1/4", 3/8"

Other Sizes with different tubing size and/or control line slots available on request.