



Technical Supplement

Fused Pulling Head, 15t Swivel Assembly C | HDPE Pipe Handling FCX-HS12 | Release Date 1/18/2019

Attach all supporting documentation including but not limited to drawings, PE stamps, calculations, etc. For fabricated rigging a detailed drawing and PE stamp must be provided.

Date: 4/25/2016	Site: Company PSST	Division Manager: Company PSST
Description of Rigging: HDPE Fused Pulling Head, 15-Ton Swivel	Working Load Limit: 50,000 lbs	

Engineering Review:
The rigging described here is one of the six original rigging assemblies (Rigging Assembly "C")

- Alternative rigging equipment and supplier may be substituted as long as they have:
- Equivalent function
 - Equivalent rating or higher (Working Load Limit must be based on a design factor of at least 1:3)

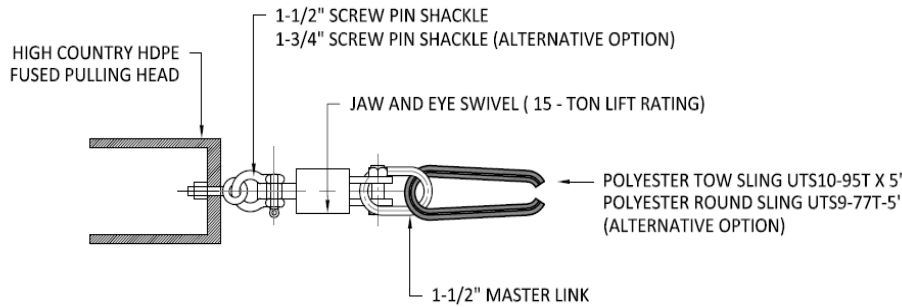
Engineering Review Summary

Pipe Diameter and SDR: See Attached Table	Pipe Length: 400-ft	Pipe Yield Strength: n/a
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When using a shackle to pipe assembly analysis must include the following:

Shackle's Working Load Limit:	Shackles Attached to Pipe (number):	Shackle Pin Diameter, D_p (inches):
Bushing Diameter, D_b (inches):	Hole Diameter in HDPE Pipe, D_h (inches):	Shackle Gap Opening Width, W :
Opening Length, L :	Edge of Pipe to Center of Hole, R :	

Assembly Description/Diagram: (this must be listed below or attached on a separate sheet)



(C) HDPE FUSED PULLING HEAD, 15- TON SWIVEL

Parts List:

Include all parts such as: pulling head, swivel, nylon sling, shackle to equipment, master link, wire rope slings, flange break strength, rotational energy controls, etc.

Ref. #	Quantity	Item Description	Supplier	Part Number	Working Load Limit
n/a	1	High Country HDPE Fused Pulling Head	Polywarehouse	See Support Docs	50,000 lbs
n/a	1	Jaw and Eye Swivel, 15-Ton Lift Rating	Certex	CX05-0277	50,000 lbs
n/a	As Needed	1-1/2" Master Link	Certex	CX05-0712	50,000 lbs
A	As Needed	1-1/2" Screw Pin Shackle	Certex	CX10-0030	50,000 lbs
B	As Needed	1-3/4" Screw Pin Shackle (Alternative to Ref. A)	Certex	CX10-0031	50,000 lbs
C	1	Polyester Tow Sling UTS10-95T x 5-ft	Certex	CX08-0045-5	50,000 lbs
D	1	Polyester Tow Sling (Alternative to Ref. C) - UTS9-77T x 5-ft	Certex	CX08-0044-5	50,000 lbs

C) HDPE Fused Pulling Head, 15-ton Swivel

		Pipe SDR Rating										
		32.5	26	21	19	17	15.5	13.5	11	9	7	
Nominal Pipe Diameter (inches)	12											
	14											
	16											
	18											
	20											
	22											
	24											
	26											
	28											
	30											
	32											
	34											
	36											

Rigging can be used on grades up to 25%
Rigging can be used on grades up to 17.5%
Rigging cannot be used

C) HDPE Fused Pulling Head, 15-ton Swivel

		Pipe SDR Rating										
		32.5	26	21	19	17	15.5	13.5	11	9	7	
Nominal Pipe Diameter (inches)	12	X	X	X	X	X	X	X	X	X	X	X
	14	X	X	X	X	X	X	X	X	X	X	X
	16	X	X	X	X	X	X	X	X	X	X	X
	18	X	X	X	X	X	X	X	X	X	X	X
	20	X	X	X	X	X	X	X	X	X	X	X
	22	X	X	X	X	X	X	X	X	X	X	X
	24	X	X	X	X	X	X	X	X	X	X	X
	26	X	X	X	X	X	X	X	X	X		
	28	X	X	X	X	X	X	X	X	X		
	30	X	X	X	X	X	X	X	X	X		
	32	X	X	X	X	X	X	X	X			
	34	X	X	X	X	X	X	X				
	36	X	X	X	X	X	X	X				

X - Rigging can be used on grades up to 25%
O - Rigging can be used on grades up to 17.5%
Rigging cannot be used