

From: Clawson, Bryan R
To: Morel, Brian P
Subject: RE: Centralizers
Importance: Normal
Attachments: 1233670 7 SBSO CT Cent 7.75 Max OD.pdf

Brian, it take WFT about 7 – 10 day to get more Subs Built. As far a Centralizers, I would recommend the attached Single Bow Slip CT Centralizers with Max OD of 7 ¾". It is a on way Centralizers.

Regards,

Bryan Clawson
Weatherford Cementation Sales
Office: 281-260-1393
Cell: 713-823-2385
E-Mail: bryan.clawson@weatherford.com

From: Morel, Brian P [mailto:Brian.Morel@bp.com]
Sent: Wednesday, March 31, 2010 11:34 AM
To: Clawson, Bryan R
Subject: Re: Centralizers

The amount listed is above the nexen centralizers. Let me know time to manufacture. Also do you have any clamp-ons

Brian Morel
BP Drilling Engineer
713-303-0120 cell
281-366-1706 office

BlackBerry Wireless Device

From: Clawson, Bryan R <bryan.clawson@weatherford.com>
To: Morel, Brian P
Sent: Wed Mar 31 17:16:03 2010
Subject: RE: Centralizers

Brian, you are getting 6 each of the attached from Nexen. If you need more, I would have to manufacture!

Bryan Clawson
Weatherford Cementation Sales
Office: 281-260-1393
Cell: 713-823-2385
E-Mail: bryan.clawson@weatherford.com

From: Morel, Brian P [mailto:Brian.Morel@bp.com]
Sent: Wednesday, March 31, 2010 9:29 AM
To: Clawson, Bryan R
Subject: Centralizers



Bryan,

What do you have available for 7" pipe 32 ppf with hydril 513 flush connections? Need 7-10 of them.

Thanks

Brian

=====

CONFIDENTIAL & PRIVILEGED COMMUNICATION

The information contained in this message is privileged, confidential, and protected from disclosure.

This message is intended for the individual or entity addressed herein.

If you are not the intended recipient, please do not read, copy, use or disclose this communication to others.

Also please notify the sender by replying to this message, and then delete it from your system.

The sender totally disclaims, and will not accept, any responsibility or liability for the unauthorized use,

or the consequences of any unauthorized use, of this communication or message.

=====

CONFIDENTIAL & PRIVILEGED COMMUNICATION

The information contained in this message is privileged, confidential, and protected from disclosure.

This message is intended for the individual or entity addressed herein.

If you are not the intended recipient, please do not read, copy, use or disclose this communication to others.

Also please notify the sender by replying to this message, and then delete it from your system.

The sender totally disclaims, and will not accept, any responsibility or liability for the unauthorized use,

or the consequences of any unauthorized use, of this communication or message.

Properties of Part 00571900 - CENT, bow spring 7 STR SO NTWLD CT 36E DBL row STSCR CS, B (Engineering)

Part Number	00571900	Name	CENT, bow spring 7 STR SO NTWLD CT 36E DBL row STSCR CS
Primary Legacy Number	1233670	Version	B.2
Secondary Legacy Number		Is Prime	Not Set
Type	Inseparable	Source	Make
Described By	Document Number	Version	
	D000212652	B.1	
ECN That Caused This Version	81040 (Updated attributes, BOM, and described by document)		
Classification	Weatherford/Cementing/Casing accessories/Bow spring centralizer		

Attribute	Value	Attribute	Value
BOW SPRING CONFIGURATION	straight	BOW SPRING MATERIAL	alloy steel
BOW SPRING QUANTITY	6	BOW SPRING TYPE	36E
CASING SIZE	7.000 in	CASING SIZE FRACTIONAL	7
CASING SIZE RANGE	7	CENTRALIZER FABRICATION	notch-welded
END BAND MATERIAL	carbon steel	END BAND TYPE	slip-on
FASTENER MATERIAL	alloy steel zinc plated	FASTENER QUANTITY	12
FASTENER TYPE	1/2-13 x 3/8 cup point	FASTENING MECHANISM	double row set screws
GENERIC DESCRIPTION (NODE SUB-GROUP)	Bow Spring Centralizer	INSIDE DIAMETER	7.156 in
LENGTH	22.75 in	LONG DESCRIPTION	Centralizer, bow spring 7 straight slip-on notch-welded close tolerance with 36E (.125) bow springs 10.625 OD, double row set screws, carbon steel
MAXIMUM OUTSIDE DIAMETER	10.625 in	MAXIMUM RIGID OUTSIDE DIAMETER	7.750 in
MODEL DESIGNATION	123	TYPE	close tolerance
WELD SPECIFICATION	WW217		

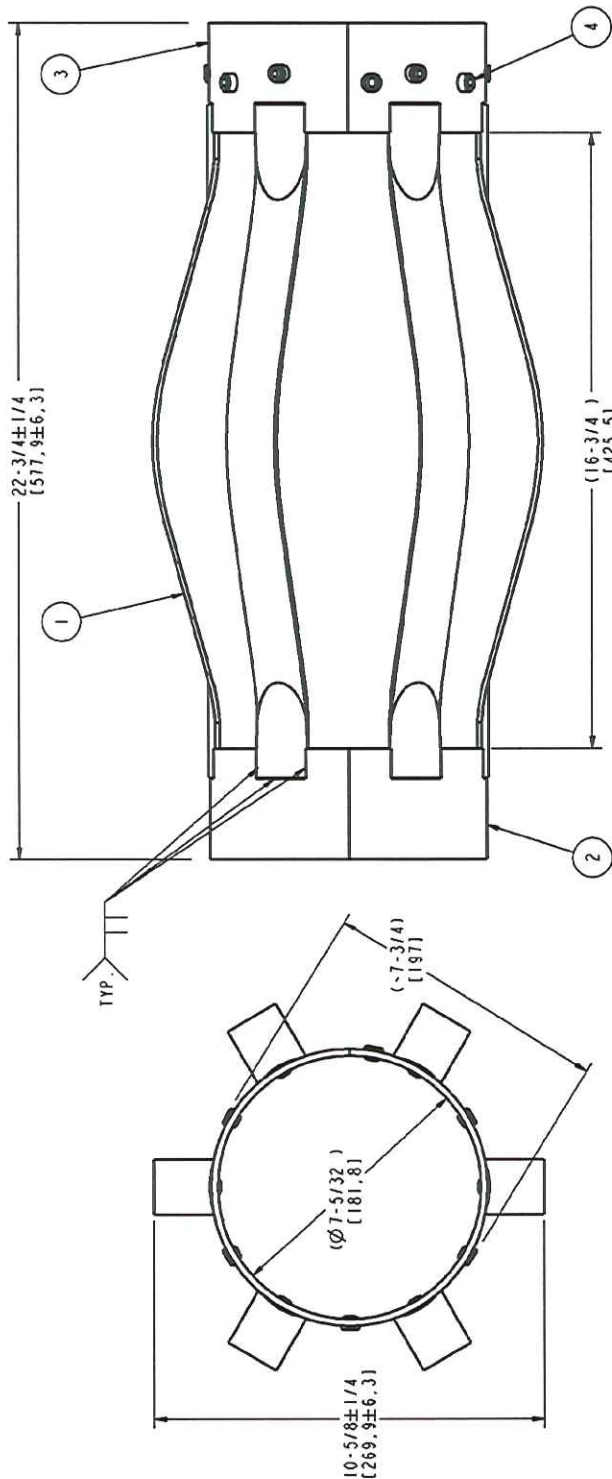
This information is the confidential and proprietary property of Weatherford International, Inc.

Do not disclose to unauthorized parties.

Do not use except as permitted by Weatherford International, Inc.

Copyright 2009 Weatherford International, Inc. All rights reserved.

ITEM	QTY	DESCRIPTION	DOC./DWG. NO	PART NUMBER
1	6	BOW SPRING, 36E (.125")	0000213474	00570460
2	1	END BAND, 7"	0000180103	00824231
3	1	END BAND, 7"	0000180098	00824227
4	12	SET SCREW, 1/2" - 3UNC X 3/8" LG.		00570604



NOTES:
1. ALL WELDING SHALL BE PER APPROVED WELDING
PROCEDURE(S).
2. FLATTEN BOW SPRINGS AFTER WELDING

<p>DO NOT SCALE DRAWING</p> <p>ALL DIMENSIONS IN INCHES (mm)</p> <p>ALL SURFACE FINISH IN MICROINCHES</p>										<p>Copyright Weatherford 2009. All rights reserved.</p> <p>This document is confidential and contains proprietary information of Weatherford International Ltd. and by its use, the user agrees to indemnify Weatherford International Ltd. and its subsidiaries from all claims, damages, losses and expenses, including reasonable attorneys' fees, which may be incurred by Weatherford International Ltd. or its subsidiaries as a result of the use of this document and any information contained herein.</p> <p>DATE: 12-01-09</p>									
<p>SEE BOM</p>										<p>TITLE</p>									
<p>ENGINEERING LOCATION: HOUA</p>										<p>FIELD: HOLE PRODUCTION</p>									
<p>TOOLERANCES UNLESS OTHERWISE SPECIFIED</p>										<p>DRUM BY PTA 12-May-09</p>									
<p>FRACTIONS</p>										<p>DESIGNED BY EJA 13-May-09</p>									
<p>1/16 1/32 1/64</p>										<p>APPROVED BY BWH 13-May-09</p>									
<p>1/16 1/32 1/64</p>										<p>SCALE</p>									
<p>1/16 1/32 1/64</p>										<p>0.375" = 1.000"</p>									
<p>1/16 1/32 1/64</p>										<p>00576900</p>									
<p>1/16 1/32 1/64</p>										<p>0000212652</p>									
<p>1/16 1/32 1/64</p>										<p>1 OF 1</p>									
<p>1/16 1/32 1/64</p>										<p>REV</p>									