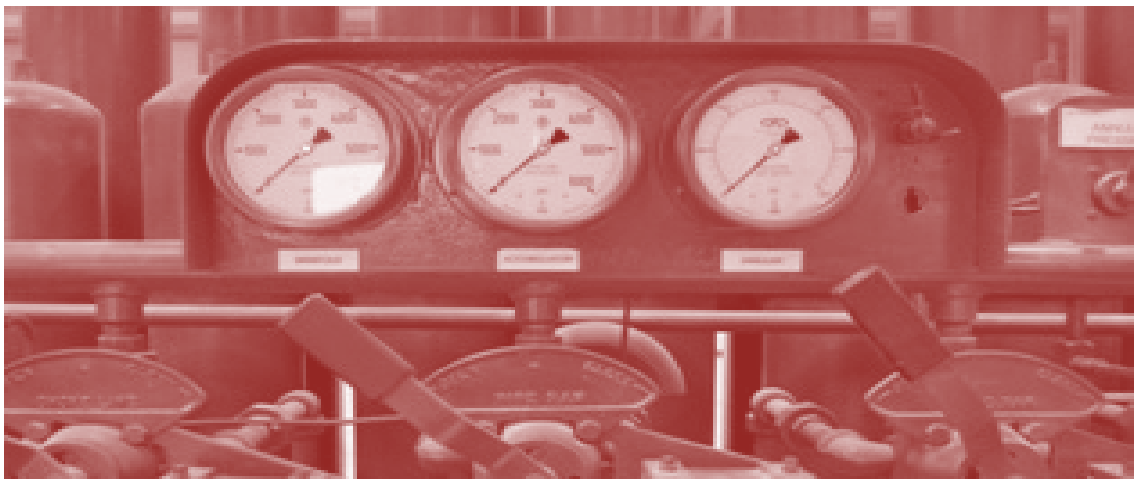


# 2009 Equipment Catalogue

ISSUED: January 2009



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## 1. WELL CONTROL EQUIPMENT

No.	Size	Description
<b>1.1.0.0</b>		<b>BLOW OUT PREVENTORS</b>

<b>1.1.1.0</b>		<b>ANNULARS</b>
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*Element Usage: A charge of 15% of MLP per well used.*

	4-1/16"	10,000 psi
	7-1/16"	5,000 psi
	7-1/16"	10,000 psi
	11"	3,000 psi
	11"	3,000 psi Torus
	11"	5,000 psi
	11"	10,000 psi
	13-5/8"	5,000 psi
	13-5/8"	10,000 psi
	18-3/4"	5,000 psi
	18-3/4"	10,000 psi
	21-1/4"	2,000 psi
	21-1/4"	5,000 psi
	29-1/2"	500 psi
	30"	1,000 psi

No.	Size	Description
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<b>1.1.2.0</b>		<b>RAM TYPE BOP</b>
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	4-1/16"	10,000 psi <b>single</b>
	4-1/16"	10,000 psi <b>double</b>
	4-1/16"	15,000 psi <b>single</b>
	4-1/16"	15,000 psi <b>double</b>
	7-1/16"	5,000 psi <b>single</b>
	7-1/16"	5,000 psi <b>double</b>
	7-1/16"	10,000 psi <b>single</b>
	7-1/16"	10,000 psi <b>double</b>
	7-1/16"	15,000 psi <b>single</b>
	7-1/16"	15,000 psi <b>double</b>

No.	Size	Description
<b>1.1.2.0</b>		<b>RAM TYPE BOP - Cont'd.</b>
	11"	3,000 psi <b>single</b>
	11"	3,000 psi <b>double</b>
	11"	5,000 psi <b>single</b>
	11"	5,000 psi <b>double</b>
	11"	10,000 psi <b>single</b>
	11"	10,000 psi <b>double</b>
	11"	15,000 psi <b>single</b>
	11"	15,000 psi <b>double</b>
	13-5/8"	5,000 psi <b>single</b>
	13-5/8"	5,000 psi <b>double</b>
	13-5/8"	10,000 psi <b>single</b>
	13-5/8"	10,000 psi <b>double</b>
	13-5/8"	15,000 psi <b>single</b>
	13-5/8"	15,000 psi <b>double</b>
	18-3/4"	10,000 psi <b>single</b>
	18-3/4"	10,000 psi <b>double</b>
	18-3/4"	15,000 psi <b>single</b>
	18-3/4"	15,000 psi <b>double</b>
	20-3/4"	3,000 psi <b>single</b>
	20-3/4"	3,000 psi <b>double</b>
	21-1/4"	2,000 psi <b>single</b>
	21-1/4"	2,000 psi <b>double</b>
	21-1/4"	5,000 psi <b>single</b>
	21-1/4"	5,000 psi <b>double</b>
	21-1/4"	10,000 psi <b>single</b>
	21-1/4"	10,000 psi <b>double</b>
	26-3/4"	3,000 psi <b>single</b>

No.	Size	Description
1.1.2.1		<b>SHEAR ACCESSORIES</b>
		<i>Large bore shear bonnets with tandem boosters, also available</i>
		4-1/16" 3/10M
		4-1/16" 15M
		7-1/16" 3/10M
		7-1/16" 15M
		11" 5/10M
		11" 15M
		13-5/8" 3/10M
		13-5/8" 15M
		18-3/4 10M
		18-3/4 15M
		20-3/4 3M
		21-1/4 2M
		21-1/4 5M

No.	Size	Description																								
1.1.2.2		<b>BOP RAMS - CAMERON, SHAFFER &amp; HYDRIL</b>																								
		<b>CAMERON VARIABLE BORE</b>																								
		<table border="1"> <thead> <tr> <th>Type</th> <th>Pressure Rating (000)</th> </tr> </thead> <tbody> <tr> <td>7-1/16"</td> <td>U Ranges Available: 2-3/8" - 3-1/2" &amp; 2-7/8" - 4"</td> </tr> <tr> <td>7-1/16"</td> <td>U FLEX Ranges Available: 2-3/8" - 2-7/8" &amp; "2-7/8 - 3-1/2"</td> </tr> <tr> <td>11"</td> <td>U Ranges Available: 2-7/8" - 5"</td> </tr> <tr> <td>11"</td> <td>U FLEX Ranges Available: 2-3/8" - 3-1/2" &amp; 3-1/2" - 5"</td> </tr> <tr> <td>11"</td> <td>U Ranges Available: 15 psi 2-7/8" - 5"</td> </tr> <tr> <td>13-5/8"</td> <td>U Ranges Available: 3-10 psi 2-7/8" - 5" &amp; 3-1/2" - 5-1/2" &amp; 3-1/2" - 5-7/8" &amp; 4-1/2" - 7"</td> </tr> <tr> <td>13-5/8"</td> <td>U FLEX Ranges Available: 3-10 psi 2-3/8" - 3-1/2" &amp; 3-1/2" - 5" &amp; 5" - 6-5/8"</td> </tr> <tr> <td>13-5/8"</td> <td>U Ranges Available: 15 psi 3-1/2" - 5" &amp; 3-1/2" - 5-1/2" &amp; 3-1/2 - 5-7/8"</td> </tr> <tr> <td>13-5/8"</td> <td>T Ranges Available: 10 psi 2-7/8" - 5" &amp; 3-1/2" - 5-1/2"</td> </tr> <tr> <td>16-3/4"</td> <td>U Ranges Available: 5 psi 3-1/2" - 7"</td> </tr> <tr> <td>16-3/4"</td> <td>U Ranges Available: 10 psi 2-7/8" - 5" &amp; 3-1/2" - 5-1/2" &amp; 5" - 7"</td> </tr> </tbody> </table>	Type	Pressure Rating (000)	7-1/16"	U Ranges Available: 2-3/8" - 3-1/2" & 2-7/8" - 4"	7-1/16"	U FLEX Ranges Available: 2-3/8" - 2-7/8" & "2-7/8 - 3-1/2"	11"	U Ranges Available: 2-7/8" - 5"	11"	U FLEX Ranges Available: 2-3/8" - 3-1/2" & 3-1/2" - 5"	11"	U Ranges Available: 15 psi 2-7/8" - 5"	13-5/8"	U Ranges Available: 3-10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2" & 3-1/2" - 5-7/8" & 4-1/2" - 7"	13-5/8"	U FLEX Ranges Available: 3-10 psi 2-3/8" - 3-1/2" & 3-1/2" - 5" & 5" - 6-5/8"	13-5/8"	U Ranges Available: 15 psi 3-1/2" - 5" & 3-1/2" - 5-1/2" & 3-1/2 - 5-7/8"	13-5/8"	T Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2"	16-3/4"	U Ranges Available: 5 psi 3-1/2" - 7"	16-3/4"	U Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2" & 5" - 7"
Type	Pressure Rating (000)																									
7-1/16"	U Ranges Available: 2-3/8" - 3-1/2" & 2-7/8" - 4"																									
7-1/16"	U FLEX Ranges Available: 2-3/8" - 2-7/8" & "2-7/8 - 3-1/2"																									
11"	U Ranges Available: 2-7/8" - 5"																									
11"	U FLEX Ranges Available: 2-3/8" - 3-1/2" & 3-1/2" - 5"																									
11"	U Ranges Available: 15 psi 2-7/8" - 5"																									
13-5/8"	U Ranges Available: 3-10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2" & 3-1/2" - 5-7/8" & 4-1/2" - 7"																									
13-5/8"	U FLEX Ranges Available: 3-10 psi 2-3/8" - 3-1/2" & 3-1/2" - 5" & 5" - 6-5/8"																									
13-5/8"	U Ranges Available: 15 psi 3-1/2" - 5" & 3-1/2" - 5-1/2" & 3-1/2 - 5-7/8"																									
13-5/8"	T Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2"																									
16-3/4"	U Ranges Available: 5 psi 3-1/2" - 7"																									
16-3/4"	U Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 5-1/2" & 5" - 7"																									

No.	Size	Description												
<b>CAMERON VARIABLE BORE - Cont'd.</b>														
		<table border="1"> <thead> <tr> <th>Type</th> <th>Pressure Rating (000)</th> </tr> </thead> <tbody> <tr> <td>18-3/4"</td> <td>U Ranges Available: 5 - 10 psi 2-7/8" - 5" &amp; 3-1/2" - 7-5/8"</td> </tr> <tr> <td>18-3/4"</td> <td>UII Ranges Available: 10 psi 2-7/8" - 5" &amp; 3-1/2" - 7-5/8"</td> </tr> <tr> <td>18-3/4"</td> <td>UII Ranges Available: 15 psi 2-7/8" - 5" &amp; 3-1/2" - 7-5/8"</td> </tr> <tr> <td>18-3/4"</td> <td>T / TL Ranges Available: 15 psi 3-1/2" - 5" &amp; 3-1/2" - 5-7/8" &amp; 3-1/2 - 6-5/8" &amp; 3-1/2 - 7-5/8"</td> </tr> <tr> <td>21-1/4" / 20-3/4"</td> <td>U Ranges Available: 2 or 3psi 5" - 7"</td> </tr> </tbody> </table>	Type	Pressure Rating (000)	18-3/4"	U Ranges Available: 5 - 10 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"	18-3/4"	UII Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"	18-3/4"	UII Ranges Available: 15 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"	18-3/4"	T / TL Ranges Available: 15 psi 3-1/2" - 5" & 3-1/2" - 5-7/8" & 3-1/2 - 6-5/8" & 3-1/2 - 7-5/8"	21-1/4" / 20-3/4"	U Ranges Available: 2 or 3psi 5" - 7"
Type	Pressure Rating (000)													
18-3/4"	U Ranges Available: 5 - 10 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"													
18-3/4"	UII Ranges Available: 10 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"													
18-3/4"	UII Ranges Available: 15 psi 2-7/8" - 5" & 3-1/2" - 7-5/8"													
18-3/4"	T / TL Ranges Available: 15 psi 3-1/2" - 5" & 3-1/2" - 5-7/8" & 3-1/2 - 6-5/8" & 3-1/2 - 7-5/8"													
21-1/4" / 20-3/4"	U Ranges Available: 2 or 3psi 5" - 7"													

No.	Size	Description																												
<b>CAMERON STRAIGHT RAMS</b>																														
		<table border="1"> <thead> <tr> <th>Type</th> <th>Pressure Rating (000)</th> </tr> </thead> <tbody> <tr> <td>7-1/16"</td> <td>U 3-15 psi</td> </tr> <tr> <td>11"</td> <td>U 3-10 psi</td> </tr> <tr> <td>11"</td> <td>U 15 psi</td> </tr> <tr> <td>13-5/8"</td> <td>U 3-10 psi</td> </tr> <tr> <td>13-5/8"</td> <td>T 10 psi</td> </tr> <tr> <td>13-5/8"</td> <td>U 15 psi</td> </tr> <tr> <td>16-3/4"</td> <td>U 5-10 psi</td> </tr> <tr> <td>18-3/4"</td> <td>U 5-10 psi</td> </tr> <tr> <td>18-3/4"</td> <td>UII 10-15 psi</td> </tr> <tr> <td>18-3/4"</td> <td>T 15 psi</td> </tr> <tr> <td>20-3/4" / 21-1/4"</td> <td>U 2-3 psi</td> </tr> <tr> <td>21-1/4"</td> <td>U 5 psi</td> </tr> <tr> <td>26-3/4"</td> <td>U 3 psi</td> </tr> </tbody> </table>	Type	Pressure Rating (000)	7-1/16"	U 3-15 psi	11"	U 3-10 psi	11"	U 15 psi	13-5/8"	U 3-10 psi	13-5/8"	T 10 psi	13-5/8"	U 15 psi	16-3/4"	U 5-10 psi	18-3/4"	U 5-10 psi	18-3/4"	UII 10-15 psi	18-3/4"	T 15 psi	20-3/4" / 21-1/4"	U 2-3 psi	21-1/4"	U 5 psi	26-3/4"	U 3 psi
Type	Pressure Rating (000)																													
7-1/16"	U 3-15 psi																													
11"	U 3-10 psi																													
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13-5/8"	U 3-10 psi																													
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13-5/8"	U 15 psi																													
16-3/4"	U 5-10 psi																													
18-3/4"	U 5-10 psi																													
18-3/4"	UII 10-15 psi																													
18-3/4"	T 15 psi																													
20-3/4" / 21-1/4"	U 2-3 psi																													
21-1/4"	U 5 psi																													
26-3/4"	U 3 psi																													

*Blind Rams / CSO's are available for all above sizes, models and pressure rating at same price.*

No.	Size	Description																										
<b>CAMERON DUAL RAMS</b>																												
		<table border="1"> <thead> <tr> <th>Type</th> <th>Pressure Rating (000)</th> </tr> </thead> <tbody> <tr> <td>7-1/16"</td> <td>U 3-15 psi</td> </tr> <tr> <td>11"</td> <td>U 3-10 psi</td> </tr> <tr> <td>11"</td> <td>U 15 psi</td> </tr> <tr> <td>13-5/8"</td> <td>U 3-10 psi</td> </tr> <tr> <td>13-5/8"</td> <td>U 15 psi</td> </tr> <tr> <td>13-5/8"</td> <td>T 10 psi</td> </tr> <tr> <td>16-3/4"</td> <td>U 5-10 psi</td> </tr> <tr> <td>18-3/4"</td> <td>U 5-10 psi</td> </tr> <tr> <td>18-3/4"</td> <td>UII 10-15 psi</td> </tr> <tr> <td>18-3/4"</td> <td>T 15 psi</td> </tr> <tr> <td>20-3/4" / 21-1/4"</td> <td>U 3-5 psi</td> </tr> <tr> <td>26-3/4"</td> <td>U 3 psi</td> </tr> </tbody> </table>	Type	Pressure Rating (000)	7-1/16"	U 3-15 psi	11"	U 3-10 psi	11"	U 15 psi	13-5/8"	U 3-10 psi	13-5/8"	U 15 psi	13-5/8"	T 10 psi	16-3/4"	U 5-10 psi	18-3/4"	U 5-10 psi	18-3/4"	UII 10-15 psi	18-3/4"	T 15 psi	20-3/4" / 21-1/4"	U 3-5 psi	26-3/4"	U 3 psi
Type	Pressure Rating (000)																											
7-1/16"	U 3-15 psi																											
11"	U 3-10 psi																											
11"	U 15 psi																											
13-5/8"	U 3-10 psi																											
13-5/8"	U 15 psi																											
13-5/8"	T 10 psi																											
16-3/4"	U 5-10 psi																											
18-3/4"	U 5-10 psi																											
18-3/4"	UII 10-15 psi																											
18-3/4"	T 15 psi																											
20-3/4" / 21-1/4"	U 3-5 psi																											
26-3/4"	U 3 psi																											

No.	Size	Description																														
<b>CAMERON SHEARING RAMS</b>																																
		<table border="1"> <thead> <tr> <th>Type</th> <th>Pressure Rating (000)</th> <th>Model</th> </tr> </thead> <tbody> <tr> <td>7-1/16"</td> <td>U 3-15 psi</td> <td>SBR SBR - H2S</td> </tr> <tr> <td>11"</td> <td>U 3-10 psi</td> <td>SBR SBR - H2S</td> </tr> <tr> <td>11"</td> <td>U 3-10 psi</td> <td>DS</td> </tr> <tr> <td>11"</td> <td>U 15 psi</td> <td>SBR SBR - H2S</td> </tr> <tr> <td>13-5/8"</td> <td>U 3-10 psi</td> <td>SBR SBR - H2S</td> </tr> <tr> <td>13-5/8"</td> <td>U 3-10 psi</td> <td>DS</td> </tr> <tr> <td>13-5/8"</td> <td>U 3-10 psi</td> <td>ISR</td> </tr> <tr> <td>13-5/8"</td> <td>U 15 psi</td> <td>SBR SBR - H2S</td> </tr> <tr> <td>16-3/4"</td> <td>U 5-10 psi</td> <td>SBR - H2S</td> </tr> </tbody> </table>	Type	Pressure Rating (000)	Model	7-1/16"	U 3-15 psi	SBR SBR - H2S	11"	U 3-10 psi	SBR SBR - H2S	11"	U 3-10 psi	DS	11"	U 15 psi	SBR SBR - H2S	13-5/8"	U 3-10 psi	SBR SBR - H2S	13-5/8"	U 3-10 psi	DS	13-5/8"	U 3-10 psi	ISR	13-5/8"	U 15 psi	SBR SBR - H2S	16-3/4"	U 5-10 psi	SBR - H2S
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16-3/4"	U 5-10 psi	SBR - H2S																														

No.	Size	Description		
<b>CAMERON SHEARING RAMS - Cont'd.</b>				
		Type	Pressure Rating (000)	Model
	18-3/4"	U	5-10 psi	SBR SBR - H2S
	18-3/4"	UII	10-15 psi	SBR SBR - H2S
	18-3/4"	T / TL	15 psi	DVS & CDVS
	20-3/4" / 21-1/4"	U	2-3 psi	SBR SBR - H2S
	21-1/4"	U	5 psi	SBR SBR - H2S

No.	Size	Description	
<b>SHAFFER MULTI RAMS</b>			
		Type	Pressure Rating (000)
	7-1/16"	SL / LWS Ranges Available:	5 - 15 psi 2-3/8" - 3-1/2"
	11"	LWS Ranges Available:	5 psi 2-7/8" - 5"
	11"	SL Ranges Available:	10 psi 2-3/8" - 3-1/2" & 3-1/2" - 5"
	13-5/8"	SL/LWS Ranges Available:	5 psi 2-7/8" - 5-1/2" & 4-1/2" - 7"
	13-5/8"	SL Ranges Available:	10 psi 2-3/8" - 3-1/2" & 3-1/2" - 5" & 5" - 6-5/8"
	13-5/8"	NXT Ranges Available:	10 psi 3-1/2" - 5" & 4-1/2" - 7"
	13-5/8"	SL Ranges Available:	15 psi 3-1/2" - 5" & 5" - 7"
	16-3/4"	SL Ranges Available:	5 psi 3-1/2" - 5-1/2" & 5" - 7"
	16-3/4"	SL Ranges Available:	10 psi 3-1/2" - 5"
	18-3/4"	SL Ranges Available:	10 psi 3-1/2" - 5" & 3-1/2" - 5-1/2" & 5" - 6-5/8"
	18-3/4"	SL Ranges Available:	15 psi 3-1/2" - 5-1/2" & 3-1/2" - 5-7/8" & 5" - 7"
	20-3/4" / 21-1/4"	LWS Ranges Available:	2-3 psi 3-1/2" - 5-1/2" & 4-1/2" - 7"
	21-1/4"	LWS Ranges Available:	5-10 psi 3-1/2" - 5-1/2" & 4-1/2" - 7"

No.	Size	Description
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**SHAFFER STRAIGHT RAMS / BLINDS**

Type	Pressure Rating (000)
4-1/16"	SL/LWS 10 psi
7-1/16"	SL/LWS 5-15 psi
11"	LWS 5 psi
11"	SL 10 psi
13-5/8"	LWS 5 psi
13-5/8"	SL 10 psi
13-5/8"	SL 15 psi
16-3/4"	LWS 5 psi
16-3/4"	SL 10 psi
18-3/4"	SL 10 psi
18-3/4"	SL 15 psi
20-3/4" / 21-1/4"	SL 2-3 psi
21-1/4"	SL 5-10 psi

*Blind Rams / CSO's are available for all above sizes, models and pressure rating at same price.*

No.	Size	Description
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**SHAFFER DUAL RAMS**

Type	Pressure Rating (000)
4-1/16"	LWS 10 psi
7-1/16"	SL/LWS 5-15 psi
11"	LWS 5 psi
11"	SL 10 psi
13-5/8"	LWS 5 psi
13-5/8"	SL 10 psi
13-5/8"	SL 15 psi
16-3/4"	LWS 5 psi
16-3/4"	SL 10 psi
18-3/4"	SL 10 psi
18-3/4"	SL 15 psi
20-3/4" / 21-1/4"	SL 2-3 psi

No.	Size	Description		
<b>SHAFFER SHEARING BLIND RAMS</b>				
		Type	Pressure Rating (000)	Model
	4-1/16"	SL/LWS	10 psi	Shear
	7-1/16"	SL/LWS	10 psi	V Shear
	13-5/8"	LWS	5 psi	Blind Shear
	13-5/8"	SL	10 psi	Blind Shear/V Shear
	13-5/8"	SL	15 psi	V Shear
	18-3/4"	SL	10 psi	V Shear
	18-3/4"	SL	15 psi	V Shear
	20-3/4" / 21-1/4"	SL	2-3 psi	V Shear
	21-1/4"	SL	5-10 psi	V Shear

No.	Size	Description	
<b>HYDRIL VARIABLE BORE RAMS</b>			
		Type	Pressure Rating (000)
	7-1/16"	V Ranges Available:	10 psi 2-3/8" - 2-7/8"
	13-5/8"	V Ranges Available:	5 psi 3-1/2" - 6" & 4-1/2" - 7"
	13-5/8"	V Ranges Available:	10 psi 3-1/2" - 6" & 4-1/2" - 7"
	18-3/4"	V Ranges Available:	5 - 10 psi 2-7/8" - 5-1/2" & 3-1/2" - 5" & 4-1/2" - 7"
	18-3/4"	V Ranges Available:	15 psi 3-1/2" - 5-1/2" & 4-1/2" - 7"
	20-3/4"	V Ranges Available:	2-5 psi 2-7/8" - 5" & 4-1/2" - 7"

No.	Size	Description																										
<b>HYDRIL STRAIGHT BORE RAMS</b>																												
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No.	Size	Description																										
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No.	Size	Description																	
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Type	Pressure Rating (000)																		
11"	V	5-10 psi																	
13-5/8"	V	5 psi																	
13-5/8"	V	10 psi																	
18-3/4"	V	10 psi																	
18-3/4"	V	15 psi																	

No.	Size	Description
<b>1.1.2.3</b>		<b>TEST STUMPS &amp; ASSOCIATED TESTING GEAR</b>
<b>1.1.2.3a</b>		<b>PORTABLE TEST STUMP UNIT c/w chart recorder / gauges</b>
<b>1.1.2.3b</b>		<b>TEST / BLIND FLANGES - PORTED OR UNPORTED</b>
	2-1/16"	5M 10M 15M
	3-1/16"	5M 10M 15M
	4-1/16"	5M 10M 15M
	7-1/16"	5M 10M 15M
	11"	5M 10M 15M
	13-5/8"	2-3M 5M 10M 15M
	18-3/4"	10M 15M
	21-1/4"	2-3M 5M 10M
	26-3/4"	2-3M
	29-1/2"	500
	30"	1M

No.	Size	Description
<b>1.1.2.3c</b>		<b>BOP TEST STUMP</b>
	4-1/16"	10M 15M
	7-1/16"	5M 10M 15M
	11"	5M 10M 15M

No.	Size	Description
1.1.2.3c		<b>BOP TEST STUMP</b>
		<i>All Test Stumps will have 9-1/16 Autoclave connections.</i>
	13-5/8"	5M
		10M
		15M
	18-3/4"	10M
		15M
	21-1/4"	2, 3M
		5M
10M		

No.	Description
1.1.3.0	<b>DIVERTER ASSEMBLIES</b>
1.1.3.1	<p><b>30" 1,000 PSI SYSTEMS CONSISTING OF:</b></p> <p>1 x 30" 1,000 PSI (1M) WP Annular BOP, 1M R-95 flange down, 30" 1M R-95 studded top</p> <p>1 x 30" 1,000 PSI WP Diverter Spool, 30" 1M - Flanged top and bottom, c/w 2 off 13-5/8 3M R-57 Flanged side outlets</p> <p>1 x 30" 1M WP R-95 Butt Weld Flange</p> <p>2 x 12" CI 900 Diverter Ball Valves, Hyd Actuated, 13 5/8" 3M Flanged R-57</p> <p>2 x 13 5/8" 3M R-57 Butt Weld Flanges for Diverter Valves/Flare Lines</p> <p>28 Studs c/w 1 Nut 2" 8UN x 11 1/2" Lg Top off Annular</p> <p>56 Studs c/w 2 Nuts 2" 8UN 14 1/2" Lg for the 30" 1,000 R-95 Flanges and 30" Butt Weld Flange</p> <p>80 Studs c/w 2 Nuts 1 3/8" 8UN x 10 3/4" Lg for the two 12" Diverter valves and Butt Weld Flanges</p> <p>3 each R-95 Ring Gaskets (for 30" profile)</p> <p>4 each R-57 Ring Gaskets for the two 12" Diverter Valves</p> <p>Sale Items Studs/Gaskets Cost +15%</p> <p style="text-align: center;"><b>PACKAGE PRICE AVAILABLE</b></p> <p>* 30"(slip on) starter flange</p>
1.1.3.2	<p><b>29-1/2" 500 PSI SYSTEMS CONSISTING OF:</b></p> <p>29 1/2" 500 PSI WP Annular BOP, 29 1/2" 500 PSI R-95 Flange Down x 29 1/2" 500 PSI R-95 Studded Top</p> <p>1 x 29-1/2" 500 PSI WP Diverter Spool, 29 1/2" 500 PSI R-95 Flange Top and Btm, c/w 2 off 13-5/8 2M R-57 Flanged Side Outlets</p> <p>1 x 29 1/2" 500 PSI WP R95 Butt Weld Flange</p> <p>2 x 12" CI 600 Diverter Ball Valves, Hyd Actuated, Flanged 13-5/8" 2M R-57</p> <p>2 x 13-5/8" 2M R-57 Butt Weld Flanges for Diverter Valves/Flare Lines</p> <p>28 Studs c/w 1 Nut 1 3/4" 8UN x 9-1/8" Lg Top off Annular</p> <p>56 Studs c/w 2 Nuts 1-3/4" 8UN 13 1/2" Lg for the 29-1/2" 500psi R-95 Flanges and 29-1/2" Butt Weld Flange</p> <p>80 Studs c/w 2 Nuts 1-1/4" 8UN x 9 1/2" Lg for the two 12" Diverter valves and Butt Weld Flanges</p> <p>3 each R-95 Ring Gaskets (for 29 1/2" profile)</p> <p>4 each R-57 Ring Gaskets for the two 12" Diverter Valves</p> <p>Sale Items Studs/Gaskets Cost +15%</p> <p style="text-align: center;"><b>PACKAGE PRICE AVAILABLE</b></p> <p>* 29-1/2"(slip on) starter flange</p>

No.	Description
<p><b>1.1.3.3</b></p>	<p><b>21-1/4" 2,000 PSI SYSTEMS CONSISTING OF:</b>  A 21 ¼ 2M WP Annular BOP, 21 ¼" 2M R-73 Flange down 21 ¼" 2M R-73 Studded top  1 x 21 ¼" 2M Diverter Spool, 21 ¼" 2M R-73 Flange Top and Btm, c/w 2 off 13 5/8 3M R-57 Flanged Side Outlets  1 x 21 ¼" 2M R-73 WP Butt Weld Flange</p> <p>2 x 12" CI 900 Diverter Ball Valves, Hyd Actuated, Flanged 13 5/8" 3M R-57</p> <p>2 x 13 5/8" 3M R-57 Butt Weld Flanges for Diverter Valves/Flare Lines  24 Studs c/w 1 Nut 1 5/8" 8UN x 8 3/8" Lg Top off Annular  48 Studs c/w 2 Nuts 1 5/8" 8UN 12 1/2" Large for the 21 ¼" 2M R-73 Flanges and 21 1/4" 2M R-73 Butt Weld Flange  80 Studs c/w 2 Nuts 1 3/8" 8UN x 10 ¾" Large for the two 12" Diverter valves and Butt Weld Flanges  3 each R-73 Ring Gaskets (for 21-¼" profile)  4 each R-57 Ring Gaskets for the two 12" Diverter Valves  Sale Items Studs/Gaskets Cost +15%</p> <p style="text-align: center;"><b>PACKAGE PRICE AVAILABLE</b></p> <p><i>* 21-1/4"(weld on) starter flange</i></p>
<p><b>1.1.3.4</b></p>	<p><b>13-5/8" 5,000 PSI SYSTEMS CONSISTING OF:</b>  A 13 5/8" 5M WP Annular BOP, 13 5/8" 5M BX 160 Flange Down x 13 5/8" 5M BX 160 Studded Top  1 x 13 5/8" 5M Diverter Spool, 13 5/8" 5M BX160 Top and Bottom, c/w 2 off 8" Ansi CI 1500 Flanged Side Outlets  2 x 8" CI 1500 Diverter Ball Valves, Hyd Actuated, Flanged 8" Ansi CI 1500</p> <p>2 x 8" Ansi CI 1500 Butt Weld Flanges for Diverter Valves/Flare Lines  16 Studs c/w 1 Nut 1 ¾" 8UN x 8 ¾" Lg Top off Annular</p> <p>32 Studs c/w 2 Nuts 1 ¾" 8UN 12 ¾" Lg for the 13 5/8" 5M BX 160 Flanges  48 Studs c/w 2 Nuts 1 5/8" 8UN x 12 ½" Lg for the two 8" Diverter Valves and Butt Weld Flanges  80 Studs c/w 2 Nuts 1 3/8" 8UN x 10 ¾" Large for the two 12" Diverter valves and Butt Weld Flanges  3 each BX 160 Ring Gaskets (for 13 5/8" 5M profile)  4 each R-50 Ring Gaskets for the two 8" CI 1500 Ball Valves  Sale Items Studs/Gaskets Cost +15%</p> <p style="text-align: center;"><b>PACKAGE PRICE AVAILABLE</b></p> <p><i>* 13-5/8"(weld on) starter flange</i></p>

No.	Description
1.1.4.0	<b>MANIFOLDS - CHOKE &amp; KILL / TESTING</b>
1.1.4.1	<p><b>GATE VALVE TYPE c/w 1 x Manual adjustable &amp; 1 x Auto Choke with operators control panel, on oilfield skid</b></p> <p>2-1/16" 5M Choke Manifolds  2-1/16" 10M Choke Manifolds  2-1/16" 15M Choke Manifolds</p> <p>3-1/16" 5M Choke Manifolds  3-1/16" 10M Choke Manifolds  3-1/16" 15M Choke Manifolds  3-1/16" 15M Aramco Specification Choke Manifold</p> <p>4-1/16" 5M Choke Manifolds  4-1/16" 10M Choke Manifolds  4-1/16" 10M Aramco Specification Choke Manifold  4-1/16" 15M Choke Manifolds</p>

No.	Description
1.1.4.2	<p><b>PLUG TYPE c/w 1 x Manual adjustable &amp; 1 x Fixed Bean Choke, on oilfield skid</b></p> <p>2-1/16" 5M Choke Manifolds  2-1/16" 10M Choke Manifolds  2-1/16" 15M Choke Manifolds</p> <p>3-1/16" 5M Choke Manifolds  3-1/16" 10M Choke Manifolds  3-1/16" 15M Choke Manifolds</p>

No.	Description
1.1.4.3	<p><b>KOOMEY UNITS</b></p> <p>5 Function, 12 x 11 gallon accumulator BOP control unit, c/w 2 x 60:1 ratio air operated hydraulic pumps and electrical driven hydraulic triplex pump.</p> <p>6/7 Function, 20 x 11 gallon accumulator BOP control unit, c/w 2 x 60:1 ratio air operated hydraulic pumps and electrical driven hydraulic triplex pump.</p>
1.1.4.4	<p><b>Remote Drillers Panel, air operated c/w 150 foot 24 line umbilical with rectangular junctions each end.</b></p> <p>Accumulator bottle bank, 8 x 11 gallon, skid mount</p> <p>Flame retardant BOP control hoses</p> <p><i>All Cansco Koomeys come with figure 602 WECO union connectors inclusive. If customer requests alternative fittings, it will be sold at cost +15%.</i></p> <p><i>All Koomey rental rates are less remote operator panels &amp;</i></p>

No.	Description
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<b>1.2.0.0</b>	<b>PRESSURE CONTROL - ACCESSORIES</b>
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<b>1.2.1.0</b>	<b>HYD TORQUE TOOLS C/W PUMPS, + ONE RATCHET ASSEMBLY</b>  Hyd Torque Tools c/w pumps, + one ratchet assembly  Additional Ratchet assemblies.
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No.	Description
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<b>1.2.2.0</b>	<b>VALVES - GATE, BALL, PLUG &amp; CHECK</b>
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<b>1.2.2.1</b>	<b>Manual</b> 2" x 3M, Working Pressure 2" x 5M, Working Pressure 2" x 10M, Working Pressure 2" x 15M, Working Pressure 3" x 3M, Working Pressure 3" x 5M, Working Pressure 3" x 10M, Working Pressure 3" x 15M, Working Pressure 4" x 3M, Working Pressure 4" x 5M, Working Pressure 4" x 10M, Working Pressure 4" x 15M, Working Pressure 5-1/8" thru 7-1/16" x 5M, Working Pressure
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No.	Description
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<b>1.2.2.2</b>	<b>Hydraulic Actuated</b> 2" x 3M, Working Pressure 2" x 5M, Working Pressure 2" x 10M, Working Pressure 2" x 15M, Working Pressure 3" x 3M, Working Pressure 3" x 5M, Working Pressure 3" x 10M, Working Pressure 3" x 15M, Working Pressure 4" x 3M, Working Pressure 4" x 5M, Working Pressure 4" x 10M, Working Pressure 4" x 15M, Working Pressure 5-1/8" thru 7-1/16" x 5M, Working Pressure
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No.	Description
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<b>1.2.2.3</b>	<b>Ball Valves (Divertor)</b> 8" 5,000 PSI Flanged 12" 2,000 PSI Flanged ( <i>Flange class 600 - same as 13-5/8 2K</i> ) 12" 3,000 PSI Flanged ( <i>Flange class 900 - same as 13-5/8 3K</i> )
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No.	Description
1.2.2.4	<b>Plug Valves</b> 2-1/16" 3,000 PSI Flanged 2-1/16" 5,000 PSI Flanged 2-1/16" 10,000 PSI Flanged 2-1/16" 10,000 PSI Flanged c/w Hyd. Motor 2-1/16" 15,000 PSI Flanged 2-1/16" 15,000 PSI Flanged c/w Hyd. Motor

No.	Description
1.2.2.5	<b>Check Valves</b> 2" x 5M, Working Pressure 2" x 10M, Working Pressure 2" x 15M, Working Pressure 3" x 5M, Working Pressure 3" x 10M, Working Pressure 3" x 15M, Working Pressure 4" x 5M, Working Pressure 4" x 10M, Working Pressure 4" x 15M, Working Pressure

No.	Size	Description
1.2.3.0		<b>CHOKES - HYDRAULIC, MANUAL &amp; FIXED</b>
1.2.3.1	2-1/16"	<b>Hydraulic Chokes w/Panels &amp; Hose Assembly</b> 3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure
	2-9/16"	3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure
	3-1/16"	3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure

No.	Size	Description
1.2.3.2	2-1/16"	<b>Manual Adjustable</b> 3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure
	3-1/16"	3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure
	4-1/16"	3M Working Pressure 5M Working Pressure 10M Working Pressure 15M Working Pressure

No.	Size	Description
<b>1.2.3.3</b>	2-1/16"	<b>Fixed (Bean) - Production Type</b>
		3M Working Pressure
		5M Working Pressure
		10M Working Pressure
	3-1/16"	15M Working Pressure
		3M Working Pressure
		5M Working Pressure
	4-1/16"	10M Working Pressure
		15M Working Pressure
3M Working Pressure		
5M Working Pressure		
		10M Working Pressure
		15M Working Pressure

No.	Size	Description
<b>1.2.4.0</b>		<b>ADAPTORS - BOP &amp; WELL HEAD</b>
<b>1.2.4.1</b>		<b>DSAs - MOST CONFIGURATIONS</b>
	1-13/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	2-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	3-1/8"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	4-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	5-1/8" thru 7-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	11"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	13-5/8"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	16-3/4"	2M, 3M & 5M Working Pressure
	18-3/4"	5M Working Pressure 10M Working Pressure 15M Working Pressure
	20-3/4"	2M & 3M Working Pressure
	21-1/4"	2M & 3M Working Pressure 5M Working Pressure 10M Working Pressure
	26-3/4"	3M Working Pressure
	30"	1M Working Pressure

No.	Size	Description
<b>1.2.4.2</b>		<b>FLANGE X FLANGE / FLANGE X HUB / HUB X HUB</b>
	1-13/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	2-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	3-1/8"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	4-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	5-1/8" thru 7-1/16"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	11"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	13-5/8"	3M & 5M Working Pressure 10M Working Pressure 15M Working Pressure
	18-3/4"	5M Working Pressure 10M Working Pressure 15M Working Pressure
	20-3/4"	2M & 3M Working Pressure
	21-1/4"	2M & 3M Working Pressure 5M Working Pressure 10M Working Pressure
	26-3/4"	3M Working Pressure
	30"	1M Working Pressure

No.	Size	Description
<b>1.2.4.3</b>		<b>CROSSES TEES OR ELBOWS</b>
	2-1/16"	5M 10M 15M
	3-1/16"	5M 10M 15M
	3-1/8"	5M 10M 15M
	4-1/16"	10M 15M

No.	Size	Description
<b>1.2.4.4</b>		<b>FLANGE X WECO ADAPTERS</b>
	2-1/16"	5M 10M 15M
	3-1/16"	5M 10M 15M
	3-1/8"	5M 10M 15M
	4-1/16"	5M 10M 15M

No.	Size	Description
<b>1.2.4.5</b>		<b>BUTT WELD FLANGES</b>
	2-1/16"	5M 10M 15M
	3-1/16"	5M 10M 15M
	4-1/16"	5M 10M 15M
	7-1/16"	5M 10M 15M
	11"	5M 10M 15M

No.	Size	Description
<b>1.2.4.5</b>		<b>BUTT WELD FLANGES - Cont'd.</b>
	13-5/8"	2-3M 5M 10M 15M
	18-3/4"	10M 15M
	21-1/4"	2-3M 5M 10M
	26-3/4"	2-3M
	29-1/2"	500
	30"	1M

No.	Size	Description
<b>1.2.5.0</b>		<b>DRILLING / DIVERTOR SPOOLS - With Side Outlets</b>
	4-1/16"	3M & 5M 10M 15M
	7-1/16"	3M & 5M 10M 15M
	11"	3, 5M 10M 15M
	13-5/8"	3, 5M 10M 15M
	16-3/4"	
	20-3/4" / 21-1/4"	2, 3M 5M 10M
	26-3/4"	3M
	29-1/2"	500 psi
	30"	1M

No.	Size	Description	
<b>1.2.6.0</b>		<b>RISER - FLANGE X FLANGE</b>	
	4-1/16" ID	3 to 5 foot	3,5 M
		6 to 10 foot	3,5M
		3 to 5 foot	10M
		3 to 5 foot	15M
		6 to 10 foot	10M
		6 to 10 foot	15M
	5-1/8" ID	3 to 5 foot	5,10M
		6 to 10 foot	5,10M
		15 foot	5,10M
	7-1/16" ID	3 to 5 foot	3,5M
		6 to 10 foot	3,5M
		3 to 5 foot	10M
		3 to 5 foot	15M
		6 to 10 foot	10M
		6 to 10 foot	15M
		15 foot	10M
	11" ID	3 to 5 foot	3,5M
		6 to 10 foot	3,5M
		3 to 5 foot	10M
		3 to 5 foot	15M
		6 to 10 foot	10M
		6 to 10 foot	15M
	13-5/8" ID	3 to 5 foot	3,5M
		6 to 10 foot	3,5M
		3 to 5 foot	10M
		3 to 5 foot	15M
		6 to 10 foot	10M
		6 to 10 foot	15M
	20-3/4" ID	3 to 5 foot	2,3M
		6 to 10 foot	2,3M
	21-1/4" ID	3 to 5 foot	2,3M
		6 to 10 foot	2,3M
		3 to 5 foot	5M
		6 to 10 foot	5M
		3 to 5 foot	10M
		6 to 10 foot	10M
	26-3/4" ID	15 foot	3M
	30" ID	3 to 5 foot	2,5M
		6 to 10 foot	2,3M

NOTE: 20 ft plus, add 15%

No.	Size	Description
<b>1.2.7.0</b>		<b>COFLEXIP HOSES</b>
	2"	<b>5M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	2"	<b>10M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	2"	<b>15M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	3"	<b>5M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	3"	<b>10M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	3"	<b>15M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	4"	<b>5M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	4"	<b>10M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long
	4"	<b>15M</b> Working Pressure 0 to 20' long 21' to 40' long 41' to 70' long 71' to 90' long

No.	Size	Description
<b>1.2.8.0</b>		<b>THRU BOLT CLAMPS, CIW &amp; VETCO GRAY</b>
	1-13/16"	up to 7-1/16" 5M Working Pressure 10M Working Pressure 15M Working Pressure
	9"	up to 13-5/8" 5M Working Pressure 10M Working Pressure 15M Working Pressure
	16-3/4"	and larger 5M Working Pressure 10M Working Pressure 15M Working Pressure

No.	Size	Description
<b>1.2.9.0</b>		<b>LUBRICATOR RISER (BOWEN &amp; OTIS)</b>
	4-1/16" Flange x Box or Pin & Collar	3 to 5 foot 3,5 M 6 to 10 foot 3,5M 3 to 5 foot 10M 3 to 5 foot 15M 6 to 10 foot 10M 6 to 10 foot 15M
	5-1/8" Flange x Box or Pin & Collar	3 to 5 foot 5,10M 6 to 10 foot 5,10M 15 foot 5,10M
	7-1/16" Flange x Box or Pin & Collar	3 to 5 foot 3,5M 6 to 10 foot 3,5M 3 to 5 foot 10M 3 to 5 foot 15M 6 to 10 foot 10M 6 to 10 foot 15M 15 foot 10M
		Box x Pin & Collar any size

opo7	Size	Description
<b>1.2.10.0</b>		<b>CHICKSAN / TREATING IRON</b>
	2"	602 - 1502 5' to 10' Straights
	2"	602 - 1502 5' to 10' Loops
	3"	<i>Pup Joint assembly 4' male x female 1502</i>
	3"	Swivel Assembly 3' female x male

## 2. TUBULARS

No.	Size	Description
<b>2.1.0.0</b>		<b>DRILLPIPE</b>
	2-7/8"	10.40 ppf Grade S135 2-7/8" Hydril WT23 Conns
	2-7/8"	10.40 ppf Grade S135 2-7/8" Hydril WT26 Conns
	3-1/2"	13.30 ppf Grade E75 3-1/2" IF Conns
	3-1/2"	15.50 ppf Grade G105 3-1/2" IF Conns
	3-1/2"	15.50 ppf Grade S135 3-1/2" IF Conns
	4"	14.00 ppf Grade G105 / or S135 HT 40 Conns
	5"	19.50 ppf Grade G105 4-1/2" IF Conns
	5"	19.50 ppf Grade S135 4-1/2" IF Conns
	5"	25.60 ppf Grade S135 4-1/2" IF Conns
	5-1/2"	21.90 ppf Grade S135 DSTJ Conns
	6-5/8"	27.70 ppf Grade S135 FH Conns

No.	Size	Description
<b>2.1.1.0</b>		<b>DRILLPIPE PUPS</b>
	2-7/8" OD	2-7/8" WT23 (5ft, 10ft) 2-7/8" WT23 (15ft)
	3-1/2" OD	3-1/2" IF (5ft, 10ft) 3-1/2" IF (15ft, 20ft)
	5" OD	4-1/2" IF (5ft, 10ft) 4-1/2" IF (15ft, 20ft)
	5-1/2" OD	5-1/2" FH/DSTJ (5ft, 10ft) 5-1/2" FH/DSTJ (15ft, 20ft)
	6-5/8" OD	6-5/8" FH (5ft, 10ft) 6-5/8" FH (15ft)

No.	Size	Description
<b>2.2.0.0</b>		<b>DRILLPIPE - HEVIWATE</b>
	3-1/2"	Hevi-wate Drillpipe 3-1/2" IF Conns
	4"	Hevi-wate Drillpipe HT-40 Conns
	5"	Hevi-wate Drillpipe 4-1/2" IF Conns
	5-1/2"	Hevi-wate Drillpipe 5-1/2" FH Conns
	6-5/8"	Hevi-wate Drillpipe 6-5/8" FH Conns

No.	Size	Description
<b>2.3.0.0</b>		<b>DRILL COLLARS</b>
	3-1/8"	Slick Drill Collars 2-7/8" Hydril WT23 Conns
	3-3/8"	Slick Drill Collars 2-7/8" Hydril WT26 Conns
	4-3/4"	Spiral Double Zip Grooved 3-1/2" IF Conns
	6-1/2"	Spiral Double Zip Grooved 4" or 4-1/2" IF Conns
	8"	Spiral Double Zip Grooved 6-5/8" Reg Conns
	9-1/2"	Spiral Double Zip Grooved 7-5/8" Reg Conns
	11"	Spiral Double Zip Grooved 8-5/8" Reg Conns

No.	Size	Description
<b>2.4.0.0</b>		<b>NON- MAG DRILL COLLARS</b>
	4-3/4"	Non-Magnetic Spiral Drill Collars 3-1/2" IF Conns
	6-1/2"	Non-Magnetic Spiral Drill Collars 4 or 4-1/2" IF Conns
	8"	Non-Magnetic Spiral Drill Collars 6-5/8" Reg Conns
	9-1/2"	Non-Magnetic Spiral Drill Collars 7-5/8" Reg Conns

No.	Size	Description
<b>2.5.0.0</b>		<b>TUBING, RANGE II</b>
	1-1/4" (1.660")	1-1/4" 3.02 PPF Hydril CS N80/L80
	1-1/4" (1.660")	1-1/4" 3.02 PPF Hydril CS P-110
	1-1/4" (1.660")	1-1/4" 3.20 PPF AM-MT DSI Hi-torque
	1-1/2" (1.990")	1-1/2" 3.64 PPF Hydril CS P-110
	2-3/8"	2-3/8" 4.7 PPF EUE N80/L80
	2-3/8"	2-3/8" 4.7 PPF Hydril PH6 L80
	2-7/8"	2-7/8" 6.4 PPF EUE N80/L80
	2-7/8"	2-7/8" 6.4 PPF Hydril PH6 L80
	3-1/2"	3-1/2" 9.2 PPF EUE N80/L80
	3-1/2"	3-1/2" 12.95 PPF Hydril PH6 L80/P-110

No.	Size	Description
<b>2.5.1.0</b>		<b>TUBING PUPS</b>
	1-1/4" (1.660")	3.02 PPF pup joints - Various lengths
	1-1/2" (1.990")	3.64 PPF pup joints - Various lengths
	2-3/8"	4.7 PPF pup joints - Various lengths
	2-7/8"	6.4 PPF pup joints - Various lengths
	3-1/2"	9.3 or 12.95 PPF pup joints - Various lengths
<b>2.5.2.0</b>		<b>TUBING BASKETS</b>
		10 ton capacity w/ sling assembly
		15 ton capacity w/ sling assembly

### 3. DRILLING STRING COMPONENTS & BOTTOM HOLE ASSEMBLIES (BHA)

No.	Size	Description
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3.1.0.0 VALVES - LOWER KELLY		
	2-7/8"	Hydril WT23, 15000 psi wp
	2-7/8"	Hydril WT26, 15000 psi wp
	2-7/8"	Hydril 533, 10000 psi wp
	3-1/2"	IF, 10000 psi wp
	3-1/2"	IF, 15000 psi wp
	4-1/2"	IF, 10000 psi wp
	4-1/2"	IF, 15000 psi wp
	5-1/2"	FH/DSTJ, 10000 psi wp
	5-1/2"	FH/DSTJ, 15000 psi wp
	6-5/8"	FH, 10000 psi wp
	6-5/8"	REG, 10000 psi wp
	6-5/8"	FH, 15000 psi wp

No.	Size	Description
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3.2.0.0 VALVES - UPPER KELLY		
	6-5/8"	REG Left Hand Connections 10000 psi wp
	6-5/8"	REG Left Hand Connections 15000 psi wp

No.	Size	Description
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3.3.0.0 VALVES - INSIDE BOPs (with Releasing Tool)		
	2-7/8"	PAC w/ Releasing Tool 10,000 PSI
	2-7/8"	WT23 w/ Releasing Tool 15,000 PSI
	2-7/8"	Hydril 533 w/ Releasing Tool 10,000 PSI
	3-1/2"	IF w/ Releasing Tool 10,000 PSI
	3-1/2"	IF w/ Releasing Tool 15,000 PSI
	4-1/2"	IF w/ Releasing Tool 10,000 PSI

No.	Size	Description
<b>3.3.0.0</b>		<b>VALVES - INSIDE BOPs (with Releasing Tool) - Cont'd.</b>
	4-1/2"	IF w/ Releasing Tool 15,000 PSI
	5-1/2"	FH w/ Releasing Tool 10,000 PSI
	6-5/8"	FH w/ Releasing Tool 10,000 PSI
	6-5/8"	FH w/ Releasing Tool 15,000 PSI

No.	Description
<b>3.4.0.0</b>	<b>SAFETY VALVES</b>
	<b>SAFETY VALVES (Full Opening)</b> 2-7/8" EUE, 5,000 PSI Working Pressure 3-1/2" EUE, 5,000 PSI Working Pressure 3-1/2" PH6, 15,000 PSI Working Pressure 4-1/2" PH6, 10,000 PSI Working Pressure 4-1/2" New Vam, 10,000 PSI Working Pressure

No.	Size	Description
<b>3.5.0.0</b>		<b>DRILLING STRING CHECK VALVES - DART SUBS</b>
<b>3.5.1.0</b>		<b>VALVES - DROP-IN CHECKGUARDS</b>
	4-3/4" OD	New Style Complete 3-1/2" IF (#27 or #35 dart)
	6-3/8" OD	New Style Complete 4-1/2" IF (#35, 43 & 48) 5-1/2" FH Connections 6-5/8" FH Connections
	6-1/2" OD	4-1/2" IF Connections (#43) Full NACE

No.	Description
<b>3.5.2.0</b>	<b>REGAN "FAST SHUT OFF" DRILLPIPE (INSIDE BOP) COUPLINGS</b>
	3-1/2" drillpipe
	5" drillpipe

No.	Size	Description
<b>3.6.0.0</b>		<b>CASING SWEDGES - CIRCULATING SUBS / WATER BUSHING</b>
	7"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	9-5/8"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	10-3/4"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	13-3/8"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	16"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	18-5/8"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box
	20"	Buttress x 4-1/2" IF Box VAM x 4-1/2" IF Box

No.	Size	Description
<b>3.7.0.0</b>		<b>SUBS - CIRCULATING - DROP BALL - EASTMAN TYPE</b>
	3-1/8" OD	2-3/8" REG Conns
	4-3/4" OD	3-1/2" IF Conns
	6-1/2" OD	4-1/2" IF Conns
	8" OD	6-5/8" REG Conns
	9-1/2" OD	7-5/8" REG Conns
		<b>SUBS - CIRCULATING - PUMP IN TYPE</b>
	4-3/4" OD	3-1/2" IF Pin x 2" 1502 Weco
	6-1/2" OD	4-1/2" IF Pin x 2" 1502 Weco
	7" OD	5-1/2" FH Pin x 2" 1502 Weco
	8" OD	6-5/8" REG Pin x 2" 1502 Weco
		<b>SUBS - CIRCULATING - SIDE ENTRY TYPE</b>
	4-3/4" OD	3-1/2" IF Box x Pin x 2" 1502 Weco
	6-1/2" OD	4-1/2" IF Box x Pin x 2" 1502 Weco
	7" OD	5-1/2" FH Box x Pin x 2" 1502 Weco
	8" OD	6-5/8" REG/FH Box x Pin x 2" 1502 Weco

No.	Size	Description
<b>3.8.0.0</b>		<b>SUBS - CROSSOVER SUBS, BIT SUBS</b>
	to 4-3/4" OD	2-3/8" - 3-1/2" Conns
	6-1/2" OD	4" - 4-1/2" Conns
	7-1/4" OD	5-1/2" Conns
	8" OD	6-5/8" Conns
	9-1/2" OD	7-5/8" Conns
	11" OD	8-5/8" REG Conns

No.	Size	Description
<b>3.9.0.0</b>		<b>SUBS - LIFT SUBS / LIFT NUBBINS</b>
	1.315"	Hydril CS 1.66"
	2-3/8"	Hydril PH6 / Hydril 511
	2-7/8"	Hydril WT23 / Hydril WT26
	2-7/8"	Hydril PH6 / Hydril 511
	2-7/8"	PAC / IF / EUE
	3-1/2"	Hydril PH6 / Hydril 511
	3-1/2"	API IF
	4"	Hydril 511
	4-1/2"	API IF
	5-1/2"	FH
	6-5/8"	API Reg
	7-5/8"	API Reg
	8-5/8"	API Reg
	9-1/2"	7-5/8" Reg

No.	Size	Description
<b>3.10.0.0</b>		<b>BULLNOSES</b>
	4-3/4" OD	3-1/2" IF Box up
	4-3/4" OD	3-1/2" REG Pin up
	6-1/4" OD	4" IF Pin up
	6-1/2" OD	4-1/2" IF Pin up
	8" OD	6-5/8" REG Pin up
	9-1/2" OD	7-5/8" REG Pin up
		<i>(Rubber coated nose types available upon request)</i>

No.	Size	Description
<b>3.11.0.0</b>		<b>DRILLING BUMPER SUBS - LONG STROKE</b>
		<b>BAASH ROSS BUMPER SUBS - (60" stroke)</b>
	4-3/4" OD	3-1/2" IF Conns
	6-1/2" OD	4" or 4-1/2" IF Conns
	8" OD	6-5/8" REG Conns
	9-1/2" OD	7-5/8" REG Conns
		<b>WEIR HOUSTON (70" stroke) - Partially Balanced</b>

No.	Description
<b>3.12.0.0</b>	<b>STABILIZERS</b>
	6-1/4" OD & Smaller Thru 8-1/2" OD Thru 12-1/4" OD Thru 17-1/2" OD Thru 26" OD

No.	Description
<b>3.13.0.0</b>	<b>HOLE OPENERS</b>
	8-1/2" Hole Opener (Body only) w/ 4-1/2" REG Conns
	12-1/4" Hole Opener (Body only) w/ 6-5/8" REG Conns
	17-1/2" Hole Opener (Body only) w/ 7-5/8" REG Conns
	26" Hole Opener (Body only) w/ 7-5/8" REG Conns
	36" Hole Opener (Body only) w/ 7-5/8" REG Conns

No.	Size	Description
<b>3.14.0.0</b>		<b>CASING SCRAPERS</b>
	4-1/2"	2-3/8" REG c/w one set of blocks
	5"	2-3/8" REG c/w one set of blocks
	5-1/2"	2-3/8" REG c/w one set of blocks
	7"	3-1/2" REG c/w one set of blocks
	9-5/8"	4-1/2" REG c/w one set of blocks
	9-5/8"	4-1/2" IF c/w one set of blocks
	10-3/4"	4-1/2" REG c/w one set of blocks
	13-3/8"	4-1/2" IF c/w one set of blocks
	13-3/8"	6-5/8" REG c/w one set of blocks

No.	Description
<b>3.15.0.0</b>	<b>ROLLER REAMERS</b>
	17-1/2" OD 7-5/8" Reg Box x Pin Connections
	12-1/2" OD 6-5/8" Reg Box x Pin Connections
	12-1/2" OD 6-5/8" Reg Box x Box Connections
	8-1/2" OD 4-1/2" IF Box x Box Connections
	8-1/2" OD 4-1/2" IF Box x PIN Connections
	6" OD 3-1/2" IF Box x Pin Connections

*Button Cutters for all above Reamers available.*

No.	Size	Description
<b>3.16.0.0</b>		<b>CUP TESTERS</b>
	2-3/8" IF	Cup, Mandrel and Sub Complete Cup Sizes 4-1/2" - 5-1/2"
	3-1/2" IF	Cup, Mandrel and Sub Complete Cup Sizes 6-5/8" - 7-5/8"
	4-1/2" IF	Cup, Mandrel and Sub Complete Cup Sizes 8-5/8" - 13-3/8"
	4-1/2" IF	Cup, Mandrel and Sub Complete Cup Sizes 16" - 20"

## 4. HANDLING TOOLS

No.	Description
<b>4.1.0.0</b>	<b>AIR OPERATED ELEVATOR / SPIDER - 350-750 TON</b>

### ELEVATORS/SPIDER, CASING - PNEUMATIC

350 Ton Elevator/Spider dressed with one set slip assembly & guides  
4-1/2" - 14"  
Spider only  
Slips only

500 Ton Elevator/Spider dressed with one set slip assembly & guides  
4-1/2" - 14"  
Spider only  
Slips only

500 Ton Elevator/Spider dressed with one set slip assembly & guides  
16" - 24"  
Spider only  
Slips only

750 Ton Elevator/Spider dressed with one set slip assembly & guides  
Spider only  
Slips only

No.	Description
<b>4.2.0.0</b>	<b>Rotary Table Adaptor Plates</b>

350 Ton

500 Ton

750 Ton

No.	Size	Description
<b>4.3.0.0</b>		<b>ELEVATOR - SIDE DOOR, CENTER LATCH, ETC</b>

### 4.3.1.0

### ELEVATORS - CASING

3-1/2"	Center Latch
4-1/2"	Center Latch
5-1/2"	100 Ton Side Door
7"	150 Ton Side Door
8-1/8"	150 Ton Side Door
9-5/8"	150 Ton Side Door
10-3/4"	150 Ton Side Door
13-3/8"	150 Ton Side Door
16"	150 Ton Side Door

No.	Size	Description
<b>4.3.0.0</b>		<b>ELEVATOR - SIDE DOOR, CENTER LATCH, ETC - Cont'd.</b>
	20"	150 Ton Side Door
	20"	250 Ton Side Door
	24-1/2"	250 Ton Side Door
	26"	250 Ton Side Door
	30"	150 Ton Side Door Elevator

No.	Size	Description
<b>4.3.2.0</b>		<b>ELEVATORS - DRILL COLLAR</b>
	3-1/8"	Plain, 100 Ton
	4-1/8"	Plain, 100 Ton
	4-3/4"	Zip Grooved, 100 Ton
	6-1/4"	Zip Grooved, 150 Ton
	6-1/2"	Zip Grooved, 150 Ton
	8"	Zip Grooved, 150 Ton
	9-1/2"	Zip Grooved, 150 Ton

No.	Size	Description
<b>4.3.3.0</b>		<b>ELEVATORS - DRILLPIPE</b>
	2-7/8"	150 Ton RGG Manual
	3-1/2"	250 Ton MGG Air Operated
	3-1/2"	250 Ton BNC / MGG
	4"	250 Ton BNC / MGG
	5"	250 Ton MGG
	5"	350 Ton GG Air Operated
	5"	350 Ton BNC / GG
	5-1/2"	350 Ton GG Air Operated
	5-1/2"	350 Ton BNC / GG
	6-5/8"	350 Ton GG
	6-5/8"	500 Ton HGG Air Operated
	6-5/8"	500 Ton HGG

No.	Size	Description
<b>4.3.4.0</b>		<b>ELEVATORS - SINGLE JOINT c/w SLINGS</b>
	2-3/8"	- 5-1/2" Type SJL
	7"	- 13-3/8" Type SJL
	20"	- 26" Type SJL
	1.66"	- 5" Type SPL
	5-1/2"	- 6-5/8" Type SPL

No.	Size	Description
<b>4.3.5.0</b>		<b>ELEVATORS - SLIP TYPE</b>
		MYT 40 Ton
		YT 75 Ton
		YC 75 Ton
		HYT 150 Ton
		HYC 200 Ton

No.	Size	Description
<b>4.3.6.0</b>		<b>ELEVATORS - TUBING</b>
	2-3/8"	100 Ton
	2-7/8"	100 Ton
	3-1/2"	100 Ton
	4-1/2"	100 Ton

No.	Size	Description
<b>4.4.0.0</b>		<b>POWER SLIPS - HYDRAULIC &amp; PHEUMATIC</b>
	3-1/2"	- 5-1/2" Manual PS15 Dressed one size
	3-1/2"	- 7-5/8" Air Operated PS16 Dressed one size c/w Air control assembly & foot pedal.

No.	Size	Description
<b>4.5.0.0</b>		<b>SLIPS - MANUAL DP, TUBING &amp; CASING</b>
<b>4.5.1.0</b>		<b>SLIPS - DRILL COLLAR</b>
	3-1/8"	- 4-3/4"
	6-1/4"	- 6-1/2"
	8"	- 8-1/2"
	9"	- 9-1/2"
	10"	- 10-1/2"
	11"	- 11-1/4"

No.	Size	Description
<b>4.5.2.0</b>		<b>SLIPS - ROTARY HAND</b>
	1.66"	- 4-1/2" Drillpipe & Tubing
	5"	- 5-1/2" Drillpipe & Casing
	6-5/8"	Drillpipe

No.	Size	Description
<b>4.5.3.0</b>		<b>SLIPS - CASING</b>
	7"	- 9-5/8" Casing
		10-3/4" Casing
		13-3/8" Casing
		16" Casing
	18-5/8"	- 20" Casing
		22" Casing
		24-1/2" Casing
		26" Casing
		30" Casing

No.	Size	Description
<b>4.6.0.0</b>		<b>POWER TONGS</b>
	20" Tong	20", 18-5/8", 16" and 13-3/8" with one set of Jaws
	13-3/8" Tong	13-3/8", 10-3/4", 9-5/8", 7-7/8" & 7" with one set of Jaws Above with back up
	7-5/7" Tong	7-5/8", 7", 5-1/2", 5" & 4-1/2" with one set of Jaws Above with back up
	5-1/2" Tong	5-1/2", 5", 4-1/2", 3-1/2", 2-7/8" & 2-3/8" with one set of Jaws Above with back up
		Power Units - Air Cooled Diesel Power Units - Electric
		Extra Jaws - Any Size, all Tong (per set)

*All Power Tong come with complete Spring Hanger & Torque Gauge*

No.	Size	Description
<b>4.7.0.0</b>		<b>TONGS - MANUAL FOR DP, TUBING &amp; CASING</b>
	1.66"	- 4-1/8" OD, Kelco K20/K25/K30
	2-3/8"	- 7" OD, Type LF / HT14 Max rating 16,000 ft/lbs
	2-3/8"	- 10-3/4" OD, Type F Max rating 25,000 ft/lbs
	2-3/8"	- 10-3/4" OD, Type C / HT35 Max rating 35,000 ft/lbs
	3-1/2"	- 13-3/8" OD, Type B / HT50 Max rating 55,000 ft/lbs
	13-3/8"	- 36" OD, Type B Extended Max rating 25,000 ft/lbs
	2-7/8"	- 13-3/8" OD, Type AAX Max rating 55,000 ft/lbs
	9-5/8"	- 31-5/8" OD, Type AAX Extended Max rating 25,000 ft/lbs
	3-1/2"	- 17" OD, Type DB / HT65 Max rating 65,000 ft/lbs
	4"	- 17" OD, Type BV100 Max rating 100,000 ft/lbs
	4"	- 17" OD, Type SDD / HT100 Max rating 100,000 ft/lbs
	7-1/2"	- 12" OD, Type ST160 Max rating 160,000 ft/lbs
	20"	Bull Tong
		<b><i>Tong dressed with 1 latch lug &amp; jaw.</i></b>

No.	Size	Description
<b>4.8.0.0</b>		<b>CLAMPS - SAFETY</b>
		1-1/8" - 4-1/2" Type T
		3-3/4" - 6-5/8" Type CR
		7" - 10-5/8" Type CR
		11" - 15-5/8" Type CL
		15-1/2" - 20" Type CXL
		21" - 23" Type CXL
		24" - 26" Type CXL
		26" - 31" Type CXL
		31" - 37" Type CXL
		37" - 43" Type CXL

No.	Description
<b>4.9.0.0</b>	<b>BOWLS &amp; SLIPS SETS / HINGED CASING, DP &amp; TUBING SPIDERS</b>
	1.66" - 5-1/2" TS-100 One Size
	8-5/8" 100 Ton API Bowl

No.	Description
<b>4.10.0.0</b>	<b>BUSHINGS</b>
<b>4.10.1.0</b>	<b>MASTER BUSHINGS</b>
	MPCH for 37-1/2" - 49-1/2" Rotary
	MSPC for 27-1/2" Rotary
	MSP/MDSP for 17-1/2" Rotary
<b>4.10.2.0</b>	<b>CASING BUSHING</b>
	18-5/8" - 20" CB Casing Bushings for 49-1/2" Table
	18-5/8" - 20" CB Casing Bushings for 37-1/2" Table
	30" CB Casing Bushings for 37-1/2" - 49-1/2" Table
<b>4.10.3.0</b>	<b>BUSHING PULLERS</b>
	(2 Leg) Bushing Pullers
	(4 Leg) Bushing Pullers

No.	Description
<b>4.11.0.0</b>	<b>INSERT BOWLS</b>
	Varco No. 1 Insert Bowls (6610)
	Varco No. 2 Insert Bowls (6609)
	Varco No. 3 Insert Bowls (6608)

No.	Description
<b>4.12.0.0</b>	<b>PIPE SPINNERS - PHEUMATIC &amp; HYDRAULIC</b>
	SSW 10
	SSW 40
	SpinnerHawk J29

No.	Size	Description
<b>4.13.0.0</b>		<b>KELLY - HEX / CEMENT</b>
	4-1/4"	Hexagonal Kelly
	5-1/4"	Hexagonal Kelly
	6"	Hexagonal Kelly

No.	Size	Description
<b>4.14.0.0</b>		<b>KELLY DRIVE BUSHINGS</b>
	1 set	Kelly Drive Bushing and Rollers to drive 4-1/4" Hexagonal Kelly, suitable for Varco HDP
	1 set	Kelly Drive Bushing and Rollers to drive 5-1/4" Hexagonal Kelly 27-1/2" HDP Bushing
	1 set	Kelly Drive Bushing and Rollers to drive 6" Hexagonal Kelly
	1 set	Kelly Drive Bushing and Rollers to drive 6" Square Kelly
		High Torque Kelly XHDP Drive Bushing - all sizes

No.	Size	Description
<b>4.15.0.0</b>		<b>BAILS - ELEVATOR LINKS</b>
<b>4.15.1.0</b>		<b>ELEVATOR LINKS</b>
	1 set (2)	96" x 150 Ton
	1 set (2)	96" x 350 Ton
	1 set (2)	108" x 350 Ton
	1 set (2)	132" x 350 Ton
	1 set (2)	168" x 350 Ton
	1 set (2)	192" x 350 Ton
	1 set (2)	290" x 350 Ton
	1 set (2)	132" x 500 Ton
	1 set (2)	144" x 500 Ton
	1 set (2)	180" x 500 Ton
	1 set (2)	240" x 500 Ton
	1 set (2)	180" x 750 Ton
	1 set (2)	Perfection Links
	1 set (2)	Tool Pusher Links

No.	Description
<b>4.15.2.0</b>	<b>LIFT SYSTEMS / ADAPTERS</b>
	Lift Systems / Adapters, 150 Ton

No.	Description
<b>4.16.0.0</b>	<b>KELLY SPINNERS - PHEUMATIC &amp; HYDRAULIC</b>
	Varco Air Powered Kelly Spinner, Model 6600 c/w 6-5/8" API Left Hand Connections, thread protectors, control valve, filter lubricator and 62' hoses.
	Varco Hydraulic Kelly Spinner, Model 6800 c/w 6-5/8" API Left Hand Connections, thread protectors, control valve, filter lubricator and 62' hoses.

No.	Size	Description
<b>4.17.0.0</b>		<b>STABBING GUIDES</b>
	1"	Stabbing Guides
	1-1/4"	Stabbing Guides
	2-3/8"	Stabbing Guides
	2-7/8"	Stabbing Guides
	3-1/2"	Stabbing Guides
	4"	Stabbing Guides
	4-1/2"	Stabbing Guides
	5-1/2"	Stabbing Guides

No.	Size	Description
<b>4.18.0.0</b>		<b>LIFT SUBS - SQUARE SHOULDER &amp; 18 DEGREE</b>
	3-1/2" IF	Lift Subs
	3-1/2" REG	Lift Subs
	4-1/2" IF	Lift Subs
	4-1/2" Reg	Lift Subs
	6-5/8" Reg	Lift Subs
	7-5/8" Reg	Lift Subs
	9-5/8" Reg	Lift Subs

*Others available on request.*

No.	Description
<b>4.19.0.0</b>	<b>TRI-CONE BIT BREAKERS</b>
	3-3/4" to 6-3/4"
	7-7/8" to 9-7/8"
	10-3/4" to 17-1/2"
	20" and above

## 5. DRILLING JARS & SHOCK TOOLS

No.	Size	Description
<b>5.1.0.0</b>		
		<b>HYDRAULIC DRILLING JARS</b>
	4-3/4"	Jar
	6-1/2"	Jar
	8"	Jar
	9-1/2"	Jar
<b>5.2.0.0</b>		
		<b>MECHANICAL DRILLING JARS</b>
	4-3/4"	Jar
	6-1/2"	Jar
	8"	Jar
	9-1/2"	Jar
<b>5.3.0.0</b>		
		<b>DOUBLE ACTING DRILLING JAR (Hydro-Mechanical)</b>
	4-3/4"	Jar
	6-1/2"	Jar
	8"	Jar
<b>5.4.0.0</b>		
		<b>SHOCK TOOLS</b>
	4-3/4"	Shock
	6-1/2"	Shock
	8"	Shock
	9-1/2"	Shock
	12"	Shock
	14"	Shock

*Other manufacturers available : prices on request*

## 6. DRILLING RIG MAIN COMPONENTS - SPECIALIZED EQUIPMENT

No.	Description
<b>6.1.0.0</b>	<b>TRAVELLING BLOCKS</b>

Lee C Moore 750 Ton Travelling Block  
7 each 72" Sheaves 1-5/8" Line

C Emsco Type RA650 Ton Travelling Block  
6 each 60" Sheaves 1-1/2" Line

Oilwell B500 Ton Travelling Block  
6 each 60" Sheaves 1-3/8" Line

National Oilwell 660G 500 Ton Travelling Block  
6 each 60" Sheaves 1-1/2" or 1-3/8" Line

National Oilwell 545G 350 Ton Travelling Block  
5 each 45" Sheaves 1-1/4" Line

National Oilwell 540G 250 Ton Travelling Block  
5 each 40" Sheaves 1-1/8" Line

No.	Description
<b>6.2.0.0</b>	<b>HOOKS</b>

BJ 750 Ton Model 5750 Dynaplex  
c/w air swivel ring

National Oilwell Model H650 Hook  
c/w manual positioner

BJ 500 Ton Model 550 Dynaplex  
c/w air swivel ring

BJ 500 Ton Model 550 Dynaplex  
c/w manual positioner

National Oilwell Model H 500 Ton Hook  
c/w manual positioner

National Oilwell Model G 500 Ton Hook  
c/w manual positioner

National Oilwell Model G 500 Ton Hook  
c/w manual positioner (Combo)

National Oilwell Model G 350 Ton Hook  
c/w manual positioner (Combo)

National Oilwell Model G 250 Ton Hook  
c/w manual positioner (Combo)

No.	Description
<b>6.3.0.0</b>	<b>SWIVELS</b>
	Oilwell Model PC650 Swivel c/w 7-5/8" REG LH Box down
	National Oilwell Model P650 Swivel c/w 7-5/8" REG LH Box down
	C Emsco Model LB650 Swivel c/w 7-5/8" REG LH Box down
	Oilwell Model PC500 Swivel c/w 6-5/8" REG LH Box down
	National Oilwell Model P500 Swivel c/w 6-5/8" REG LH Box down
	National Oilwell Model P400 Swivel c/w 6-5/8" REG LH Box down
	National Oilwell Model P300 Swivel c/w 5-1/2" REG LH Box down
	Oilwell Model PC300 Swivel c/w 5-1/2" REG LH Box down
	National Oilwell Model P200 Swivel c/w 4-1/2" FH LH Box down
	Oilwell Model PC150 Swivel c/w 4-1/2" FH LH Box down
	<i>Spare cartridges (washpipe) assemblies available on consignment basis.</i>
	<i>All Quick change assemblies on request basis.</i>

No.	Description
<b>6.4.0.0</b>	<b>CROWN BLOCKS</b>

National Oilwell 7-60 Complete  
c/w 1-1/2" or 1-3/8" Sheaves

No.	Description
<b>6.5.0.0</b>	<b>ROTARY TABLES</b>

National Oilwell C495 Rotary Table complete

National Oilwell D373 "High Torque" Rotary Table complete

C Emsco T 37-1/2" Rotary Table complete

Oilwell B 37-1/2" Rotary Table complete

National Oilwell C275 (27-1/2") Rotary Table complete

National Oilwell C205 (20-1/2") Rotary Table complete

No.	Description
<b>6.6.0.0</b>	<b>ROTARY TABLE TRANSMISSIONS</b>
	National Oilwell 49-1/2" or 37-1/2" High or Low Ration Transmission
	49-1/2" Rotary Table Adaptor Rings for National Oilwell, Oilwell, C Emsco

No.	Description
<b>6.7.0.0</b>	<b>MISCELLANEOUS EQUIPMENT</b>
<b>6.7.1.0</b>	<b>VARCO IRON ROUGH NECKS COMPLETE</b>
	Mathey Wireline Units, Surveyor II 25000 of 0.92 or 0.103 Wireline complete
<b>6.7.2.0</b>	<b>DEADLINE ANCHORS &amp; ACCESSORIES</b>
	Hercules Model 131 EB Anchors, Bushing Sets to accept 1-1/2" and 1-3/8" drilling line
	Martin Decker E80 Load Sensors
<b>6.7.3.0</b>	<b>ROTARY TONG ANCILLARY EQUIPMENT</b>
	Drilco E-Z Torque Rams, less controls
	Tong Line Torque Sensator for Type C, B, DB, SDD and SXD Tongs
<b>6.7.4.0</b>	<b>ELMAGO BRAKES</b>
	7838 Brake with coupling
	6032 Brake with coupling
	5032 Brake with coupling

## 7. FISHING TOOLS

No.	Description
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7.1.0.0

### FISHING TOOLS

Cansco Dubai LLC offers a wide variety of Fishing equipment. For more information please contact our Dubai office directly.

7.2.0.0

### FISHING SERVICES PERSONNEL

Fishing Tool Supervisor  
Explosives Supervisor  
Fishing Tool Operator

## 8. PERSONNEL

8.1.0.0

OFFSHORE / ONSHORE PERSONNEL

BOP Pressure Control Engineer / Supervisor

BOP Pressure Control Technician

BOP Pressure Control Jr. Technician