

PIONEER

OIL TOOLS LIMITED

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CR CASING ROLLERS



PIONEER CR CASING ROLLERS

The PIONEER Casing Roller is designed on the cam principle, where rotary motion can be used to create lateral force; in this case to restore damaged casing to its original drift diameter.

The PIONEER Casing Roller is constructed from case-hardened steel resulting in a rugged, wear resistant tool capable of withstanding the rigours of multiple repair operations.

The PIONEER Casing Roller features interchangeable rollers on every Mandrel size (see charts) allowing assemblies to cover a wide range of casing sizes & weights.

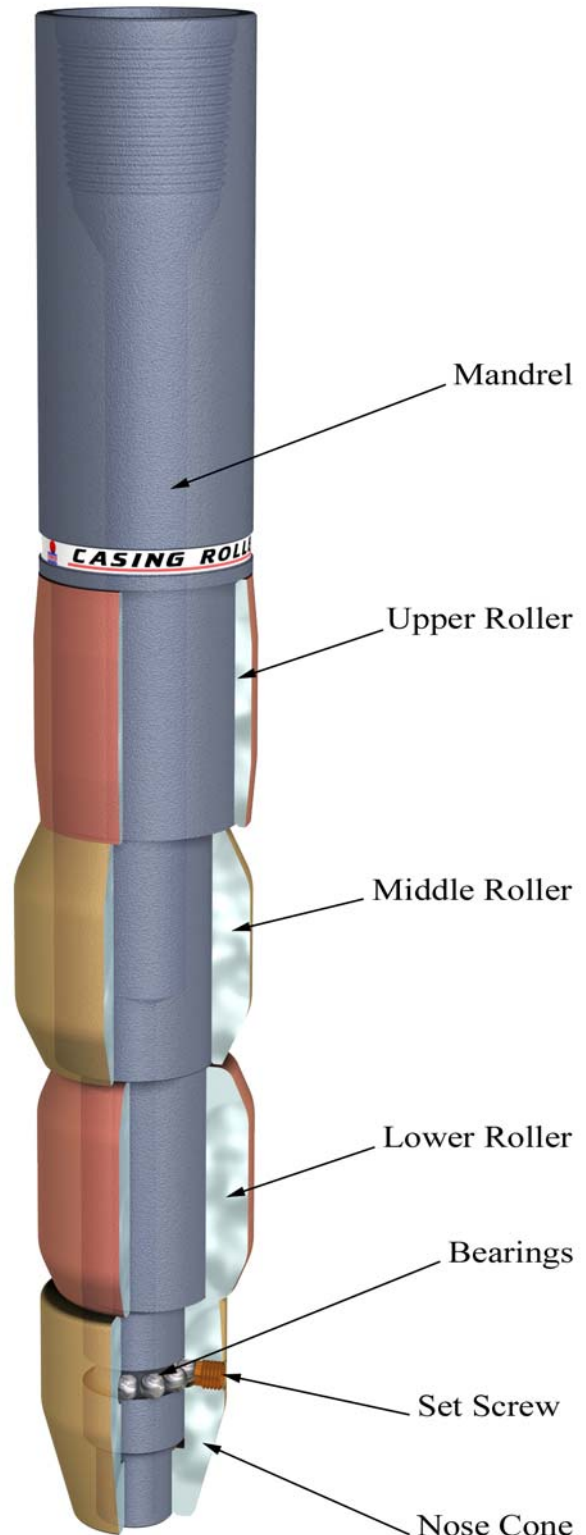
IMPORTANT:- circulation is essential in order to avoid unnecessary wear on the rollers.

Recommended Spares

- 1 x Middle Roller, each casing size.
- 1 x Nose Cone, each casing size.
- 1 x Set of ballbearings
- 2 x Loading Set Screws

How to Order

1. Name & number, assembly or part.
2. Casing O.D. and weight.
3. Top Connection.



QUALITY & DELIVERY IS OUR PRIORITY

CASING		UPPER ROLLER			MIDDLE ROLLER			LOWER ROLLER			NOSE CONE			PRODUCED DRIFT DIA.
SIZE	WT (Lbs/FT)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	
ASSEMBLY No. CR 0450														
4 1/2"	09.50	02	3.688"	3 1/2	10	3.875"	7 1/2	30	3.688"	8	40	3.125"	5 1/4	4.032"
	11.60				11	3.688"	5 1/2							3.938"
	13.60				12	3.526"	4 1/2							3.859"
4 3/4"	15.75	03	4.250"	7 1/2	10	3.875"	7 1/4	31	4.250"	12	32	4.000"	10 1/2	4.032"
5"	11.50				13	4.250"	10							4.500"
	13.00				14	4.114"	9							4.438"
5"	15.00	04	4.000"	5 1/2	15	4.192"	9 1/2	32	4.000"	10 1/2	30	3.688"	8	4.343"
	17.70				16	3.976"	8							4.234"
	18.00				17	3.965"	8							4.218"
	21.00	02	3.688"	3 1/2	18	4.000"	8	30	3.688"	8	4.094"			
	ASSEMBLY No. CR 0550													
5 1/2"	13.00	02	4.662"	9	10	4.802"	14	30	4.662"	16	40	3.750"	6	4.982"
	14.00				11	4.738"	13							4.950"
	15.00				12	4.666"	11							4.912"
	15.50	03	4.609"	9	13	4.554"	11	31	4.609"	16	32	4.359"	13	4.888"
	17.00				14	4.574"	10							4.830"
	20.00	04	4.359"	6	14	4.574"	10	32	4.359"	13	33	4.875"	19	4.716"
	23.00				15	4.358"	10							4.608"
5 3/4"	14.00	05	4.875"	12	16	5.082"	17	33	4.875"	19	30	4.662"	16	5.228"
	17.00				17	4.894"	15							5.128"
	19.50	02	4.662"	9	18	4.694"	14	30	4.662"	16	34	5.125"	22	5.028"
	22.50				19	5.300"	20							4.928"
6"	15.00	06	5.125"	15	19	5.300"	20	34	5.125"	22	33	4.875"	19	5.462"
	16.00				20	5.250"	19							5.438"
	18.00				21	5.100"	18							5.362"
	20.00				22	4.956"	16							5.290"
	23.00	05	4.875"	12	23	4.982"	17	33	4.875"	19	5.178"			

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SIZE	WT (Lbs/FT)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	
ASSEMBLY No. CR 0663														
6 ⁵ / ₈ "	17.00	02	5.734"	15	10	5.910"	24	30	5.734"	27	40	5.000"	17	6.072"
	20.00				11	5.745"	22							5.987"
	22.00	03	5.609"	13	12	5.609"	20	31	5.609"	25				5.927"
	24.00													5.859"
	26.00													5.793"
	26.50													5.775"
	28.00													5.729"
	29.00	04	5.359"	10	16	5.547"	18	32	5.359"	22				5.699"
	32.00				17	5.375"	16							5.613"
7"	17.00	05	6.250"	24	18	6.202"	29	33	6.250"	36	41	5.500"	22	6.476"
	20.00				19	6.038"	25							6.394"
	22.00	06	6.000"	20	20	6.164"	26	34	6.000"	32				6.336"
	23.00				21	6.108"	6.304"							
	24.00				22	6.048"	25							6.274"
	26.00				07	5.830"	16							23
	28.00	24	5.970"	25				6.152"						
	29.00	10	5.910"	24				6.122"						
	30.00		5.854"	23				6.092"						
	32.00	02	5.734"	15				11	5.830"	23				30
	35.00	03	5.609"	13	12	5.776"	22	31	5.609"	25	5.942"			
	38.00				13	5.609"	20				5.858"			
	40.00				14	5.442"	17				5.774"			

CASING		UPPER ROLLER			MIDDLE ROLLER			LOWER ROLLER			NOSE CONE			PRODUCED DRIFT DIA.			
SIZE	WT (Lbs/FT)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)				
ASSEMBLY No. CR 0763																	
7 ⁵ / ₈ "	20.00	02	6.500"	23	10	6.875"	42	30	6.500"	43	40	5.375"	30	7.062"			
	24.00				11	6.676"	39							6.963"			
	26.40				12	6.562"	37							6.906"			
	29.70	03	6.188"	18	13	6.686"	42	31	6.188"	40	6.812"						
	33.70				14	6.468"	35				6.703"						
	39.00				15	6.188"	30				6.563"						
8 ⁵ / ₈ "	24.00	04	7.562"	44	16	7.758"	62	32	7.562"	67	41	6.500"	48	8.035"			
	28.00				17	7.594"	56							7.955"			
	32.00	05	7.375"	39	18	7.402"	54	33	7.375"	62	7.859"						
	36.00										19	7.302"	52	7.763"			
	38.00										20	7.452"	54	7.713"			
	40.00	06	7.125"	38	21	7.304"	52	34	7.125"	58	42	6.000"	40	7.663"			
	43.00													22	7.250"	44	7.589"
	44.00													23	7.024"	45	7.563"
	49.00																7.449"
ASSEMBLY No. CR 0900																	
9"	34.00	02	8.000"	44	10	7.676"	50	30	8.000"	74	40	6.625"	42	8.212"			
	38.00	03	7.718"	37	11	7.768"	52	31	7.718"	67				8.118"			
	40.00	04	7.343"	27	10	7.676"	50	32	7.343"	57				8.072"			
	45.00				12	7.812"	54							7.954"			
	55.00				13	7.375"	43							7.734"			
9 ⁵ / ₈ "	29.30	05	8.500"	58	14	8.720"	82	33	8.500"	88	8.985"						
	32.30				15	8.696"	81				8.973"						
	36.00				16	8.438"	75				8.843"						
	40.00	06	8.250"	51	17	8.514"	77	34	8.250"	81	8.757"						
	43.00				18	8.354"	70				8.677"						
	47.00	02	8.000"	44	19	8.456"	76	30	8.000"	74	8.603"						
	53.50				20	8.164"	63				8.457"						
10"	33.00	07	8.812"	70	21	9.050"	91	35	8.812"	100			9.306"				

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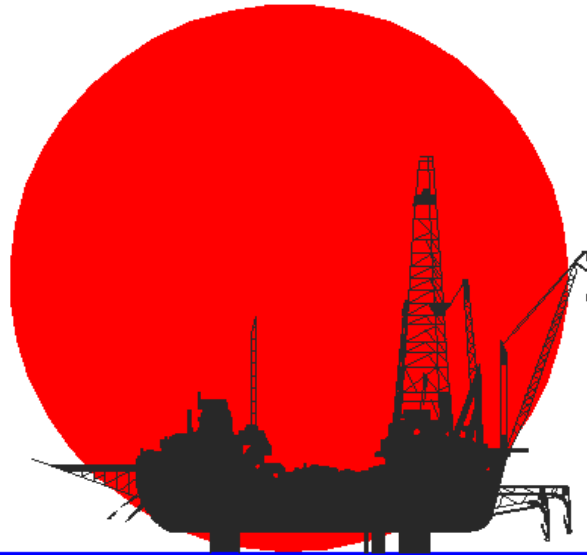
CASING		UPPER ROLLER			MIDDLE ROLLER			LOWER ROLLER			NOSE CONE			PRODUCED DRIFT DIA.						
SIZE	WT (Lbs/FT)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)	PART NO.	O.D.	WT. (Lbs)							
ASSEMBLY No. CR 1075																				
10 ^{3/4} "	32.75	02	9.500"	36	10	9.728"	78	30	9.500"	96	40	8.250"	60	10.114"						
	40.00				11	9.444"	68							9.976"						
	40.50				12	9.254"	59							9.972"						
	45.00	03	9.250"	27	13	9.148"	54	31	9.250"	87	41	8.750"	80	9.882"						
	45.50				14	9.294"	60							9.872"						
	48.00				15	9.162"	56							9.824"						
	51.00				16	9.114"	50							9.772"						
	54.00				17	10.896"	122							32	10.250"	128	41	8.750"	80	11.072"
	55.50				18	10.754"	113							19	10.594"	108	10.922"			
11 ^{3/4} "	47.00	20	10.354"	104	21	10.138"	95	10.802"												
	60.00	22	10.862"	120	33	10.750"	150	10.694"												
	12"	05	10.750"	90	11.306"															
ASSEMBLY No. CR 1300																				
13"	40.00	02	11.625"	105	10	11.846"	118	30	11.625"	158	40	10.00"	120	12.360"						
	45.00				11	11.677"	107							12.282"						
	50.00				12	11.534"	100							12.204"						
	54.00				13	11.410"	95							12.142"						
13 ^{3/8} "	48.00	03	12.000"	75	14	12.024"	118	31	12.000"	178	30	11.625"	158	12.637"						
	54.50				15	11.812"	117							12.537"						
	61.00				16	11.625"	107							12.437"						
	68.00	04	11.625"	105	15	11.812"	102	30	11.625"	158	40	10.00"	120	12.337"						
	72.00				11	11.677"	97							12.269"						
	80.70				17A	11.399"								12.137"						
	83.00				17	11.320"	93							12.097"						
	85.00				18	11.288"	90							12.081"						

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ASSEMBLY No. CR 1600														
16"	55.00	02	14.500"	147	10	14.844"	210	30	14.500"	260	40	14.000"	340	15.297"
	65.00				11	14.554"	196							15.172"
	75.00				12	14.344"	187							15.047"
	84.00				13	14.114"	176							14.932"
	109.00	04	14.000"	122	17	13.938"	166	32	14.000"	235	41	13.500"	248	14.594"
	122.00				18	13.562"	149							14.406"
	128.00				19	13.438"	143							14.344"
18 ⁵ / ₈ "	78.00	03	17.000"	271	14	17.304"	348	31	17.000"	395	40	14.000"	340	17.777"
	87.50				15	17.104"	338							17.104"
	96.50				16	16.904"	324							17.577"
ASSEMBLY No. CR 2000														
20"	94.00	02	18.50"	282	10	18.760"	343	30	18.500"	455	40	17.000"	416	19.030"
	106.50				11	18.062"	302							18.906"
	133.00	03	18.0"	252	12	18.022"	301	31	18.000"	420	40	17.000"	416	18.636"
	147.00				13	17.704"	282							18.477"
	169.00				14	17.314"	265							18.282"

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