





# CASING RUNNING TOOL CAPACITY

Specification Summary

Model	Max. Rated Hoist Capacity <sup>1</sup> (ton) (tonne)		Cage Torque Capacity			Die Rated Load Capacity												End Load Rating				Max. Tool Diameter (in.) (mm)		Approximate Tool Weight (lbs) (kg)					
			Cage P/N	Max. Rated Torque Capacity		Die P/N	Primary Nominal Pipe Size		Maximum Pipe Weight <sup>3</sup>		Minimum Pipe Weight <sup>4</sup>		Overlap Pipe Size		Maximum Pipe Weight <sup>3</sup>		Minimum Pipe Weight <sup>4</sup>		Slip to Pipe Body Load Efficiency <sup>5</sup> (%)	Torque Factor <sup>6a</sup> (ft.lbs/psi/ppf) (N.m/MPa/(kg/m))						Max. Circulation Pressure <sup>7</sup> (psi) (MPa)		Max. Pressure End Load <sup>7</sup> (ton) (tonne)	
				(ft.lbs)	(N.m)		(in.)	(mm)	(ppf)	(kg/m)	(ppf)	(kg/m)	(in.)	(mm)	(ppf)	(kg/m)	(ppf)	(kg/m)		(ft.lbs/psi/ppf)	(N.m/MPa/(kg/m))	(psi)	(MPa)	(ton)	(tonne)				
CRTI4-70	420	381	82999 <sup>2</sup>	35,000	47,400	83000 <sup>2</sup>	7.0	177.8	42.7	63.54	38.0	56.55	6.63	168.4	28.0	41.67	24.0	35.72	80%	-	-	10,000	69	248	225	16.3	414	1,100	499
			81277	7.0	177.8	26.0	38.69	17.0	25.3	7.63	193.7	47.1	70.09	42.8	63.69	80%	0.03032	4.006	10,000	69	248	225	16.3	414	1,100	499			
			81508	7.0	177.8	35.0	52.09	26.0	38.69	7.63	193.7	55.3	82.30	55.3	82.30	80%	0.03102	4.099	10,000	69	248	225	16.3	414	1,100	499			
			81884	7.63	193.7	33.7	50.15	24.0	35.72	-	-	-	-	-	-	80%	0.02592	3.425	10,000	69	248	225	16.3	414	1,100	499			
			83345	7.63	193.7	39.0	58.04	29.7	44.20	-	-	-	-	-	-	-	80%	0.02721	3.595	10,000	69	248	225	16.3	414	1,100	499		
			82750	7.63	193.7	55.3	82.30	51.2	76.19	7.00	177.8	29.0	43.16	23.0	34.23	80%	-	-	10,000	69	248	225	16.3	414	1,100	499			
			81421	8.63	219.1	36.0	53.57	28.0	41.67	-	-	-	-	-	-	-	80%	0.02688	3.552	10,000	69	248	225	16.3	414	1,100	499		
			101755	8.63	219.1	44.0	65.48	36.0	53.57	-	-	-	-	-	-	-	80%	0.02267	2.995	10,000	69	248	225	16.3	414	1,100	499		
			83041	8.63	219.1	59.6	88.69	59.6	88.69	-	-	-	-	-	-	-	80%	-	-	10,000	69	248	225	16.3	414	1,100	499		
			81793	9.63	244.5	43.5	64.74	36.0	53.57	9.88	251.0	55.0	81.85	53.5	79.62	80%	0.02835	3.746	8,100	56	248	225	16.3	414	1,100	499			
			81420	9.63	244.5	53.5	79.62	47.0	69.94	9.88	250.8	65.3	97.18	62.8	93.46	80%	0.02513	3.321	8,600	59	248	225	16.3	414	1,100	499			
			82812	9.63	244.5	59.4	88.40	53.5	79.62	9.88	250.8	72.0	107.15	68.8	102.39	80%	-	-	8,900	61	248	225	16.3	414	1,100	499			
			82276	10.75	273.1	40.5	60.27	32.8	48.74	-	-	-	-	-	-	-	80%	0.02060	2.722	6,200	43	248	225	16.3	414	1,300	590		
			82275	10.75	273.1	51.0	75.90	45.5	67.71	-	-	-	-	-	-	-	80%	0.02179	2.879	6,500	45	248	225	16.3	414	1,300	590		
			102777	10.75	273.1	55.5	82.59	51.0	75.90	11.50	292.1	98.2	146.14	98.2	146.14	80%	0.02201	2.908	6,600	46	248	225	16.3	414	1,300	590			
			82910	10.75	273.1	60.7	90.33	55.5	82.59	-	-	-	-	-	-	-	80%	-	-	6,700	46	248	225	16.3	414	1,300	590		
			81255	10.75	273.1	65.7	97.77	60.7	90.33	-	-	-	-	-	-	-	80%	-	-	6,900	48	248	225	16.3	414	1,300	590		
			81494	10.75	273.1	73.2	108.93	71.1	105.81	-	-	-	-	-	-	-	80%	-	-	7,200	50	248	225	16.3	414	1,300	590		
			81138	10.75	273.1	79.2	117.86	79.2	117.86	-	-	-	-	-	-	-	80%	-	-	7,500	52	248	225	16.3	414	1,300	590		
			83096	10.75	273.1	109.0	162.21	109.0	162.21	9.63	244.6	43.5	64.74	40.0	59.53	80%	-	-	8,600	59	248	225	16.3	414	1,300	590			
			81495	11.75	298.5	60.0	89.29	54.0	80.36	-	-	-	-	-	-	-	80%	0.01932	2.553	5,400	37	248	225	16.3	414	1,400	635		
			81757	11.75	298.5	71.0	105.66	65.0	96.73	11.88	301.6	71.8	106.85	71.8	106.85	80%	-	-	5,600	39	248	225	16.3	414	1,400	635			
			100703	11.75	298.5	82.6	122.92	78.0	116.08	10.75	273.1	20.0	29.76	20.0	29.76	80%	-	-	5,900	41	248	225	16.3	414	1,400	635			
			82039	12.75	323.9	58.4	86.91	50.0	74.41	13.38	339.7	98.0	145.84	98.0	145.84	79%	0.01675	2.214	4,400	30	248	225	16.3	414	1,650	748			
			82168	13.38	339.7	54.5	81.10	48.0	71.43	14.00	355.6	100.0	148.82	100.0	148.82	80%	0.01705	2.253	3,900	27	248	225	16.3	414	1,900	862			
			81897	13.38	339.7	61.0	90.78	54.5	81.10	14.00	355.6	106.0	157.75	106.0	157.75	80%	0.01743	2.303	4,000	28	248	225	16.3	414	1,900	862			
			82164	13.38	339.7	68.0	101.20	61.0	90.78	14.00	355.6	112.6	167.57	112.6	167.57	80%	0.01773	2.343	4,000	28	248	225	16.3	414	1,900	862			
			81150	13.38	339.7	72.0	107.15	68.0	101.20	13.63	346.1	88.2	131.26	88.2	131.26	80%	0.01784	2.357	4,100	28	248	225	16.3	414	1,900	862			
			82588	13.38	339.7	77.0	114.59	72.0	107.15	-	-	-	-	-	-	-	80%	-	-	4,200	29	248	225	16.3	414	1,900	862		
			83154	13.38	339.7	86.0	127.98	85.0	126.49	-	-	-	-	-	-	-	80%	-	-	4,300	30	248	225	16.3	414	1,900	862		
			81431	16.0	406.4	65.0	96.73	65.0	96.73	-	-	-	-	-	-	-	72%	0.01452	1.919	2,700	19	248	225	16.3	414	2,300	1,043		
			81645	16.0	406.4	84.0	125.01	84.0	125.01	-	-	-	-	-	-	-	72%	0.01486	1.964	2,800	19	248	225	16.3	414	2,300	1,043		
			82100	16.0	406.4	97.0	144.35	96.0	142.86	-	-	-	-	-	-	-	71%	-	-	2,900	20	248	225	16.3	414	2,300	1,043		
			81758	16.0	406.4	109.0	162.21	109.0	162.21	-	-	-	-	-	-	-	72%	-	-	2,900	20	248	225	16.3	414	2,300	1,043		
			82532	16.77	426.0	77.0	114.59	73.3	109.08	-	-	-	-	-	-	-	67%	0.01388	1.834	2,500	17	248	225	21.0	533	2,400	1,089		
			102675	17.00	431.8	77.5	115.33	77.5	115.33	-	-	-	-	-	-	-	64%	0.01332	1.760	2,400	17	248	225	21.0	533	2,400	1,089		
			81752	17.88	454.0	105.0	156.26	105.0	156.26	-	-	-	-	-	-	-	61%	-	-	2,200	15	248	225	21.0	533	2,450	1,111		
			100665	18.0	457.2	117.0	174.12	117.0	174.12	17.88	454.0	105.0	156.26	105.0	156.26	63%	-	-	2,200	15	248	225	21.0	533	2,450	1,111			
			82976	18.63	473.1	87.5	130.21	87.5	130.21	-	-	-	-	-	-	-	58%	0.01180	1.559	2,000	14	248	225	21.0	533	2,600	1,179		
			81566	18.63	473.1	97.7	145.39	97.7	145.39	-	-	-	-	-	-	-	63%	0.01273	1.682	2,000	14	248	225	21.0	533	2,600	1,179		
			82101	18.63	473.1	111.0	165.19	111.0	165.19	-	-	-	-	-	-	-	63%	-	-	2,000	14	248	225	21.0	533	2,600	1,179		
			82675	18.63	473.1	117.0	174.12	117.0	174.12	-	-	-	-	-	-	-	64%	-	-	2,000	14	248	225	21.0	533	2,600	1,179		
			103097	18.63	473.1	126.0	187.51	123.4	183.64	-	-	-	-	-	-	-	64%	-	-	2,100	14	248	225	21.0	533	2,600	1,179		
			81880	18.63	473.1	139.0	206.85	139.0	206.85	-	-	-	-	-	-	-	64%	-	-	2,100	14	248	225	21.0	533	2,600	1,179		
			82300	20.0	508.0	94.0	139.89	94.0	139.89	-	-	-	-	-	-	-	56%	0.01136	1.501	1,700	12	248	225	21.0	533	2,800	1,270		
			81759	20.0	508.0	106.5	158.49	106.5	158.49	-	-	-	-	-	-	-	57%	0.01157	1.529	1,700	12	248	225	21.0	533	2,800	1,270		
			81483	20.0	508.0	133.0 <sup>9</sup>	197.93	133.0 <sup>9</sup>	197.93	-	-	-	-	-	-	-	58%	-	-	1,800	12	248	225	21.0	533	2,800	1,270		
			101434	20.0	508.0	147.0	218.76	147.0	218.76	-	-	-	-	-	-	-	57%	-	-	1,800	12	248	225	21.0	533	2,800	1,270		
			81024	8.63	219.1	36.0	53.57	24.0	35.72	9.63	244.6	75.6	112.51	75.6	112.51	80%	0.02894	3.824	10,000	69	50								



# CASING RUNNING TOOL CAPACITY

Specification Summary

Model	Max. Rated Hoist Capacity <sup>1</sup> (ton) (tonne)		Cage Torque Capacity		Die Rated Load Capacity											End Load Rating				Max. Tool Diameter (in.) (mm)		Approximate Tool Weight (lbs) (kg)							
			Cage P/N	Max. Rated Torque Capacity (ft.lbs) (N.m)	Die P/N	Primary Nominal Pipe Size (in.) (mm)	Maximum Pipe Weight <sup>3</sup> (ppf) (kg/m)	Minimum Pipe Weight <sup>4</sup> (ppf) (kg/m)	Overlap Pipe Size (in.) (mm)	Maximum Pipe Weight <sup>3</sup> (ppf) (kg/m)	Minimum Pipe Weight <sup>4</sup> (ppf) (kg/m)	Slip to Pipe Body Load Efficiency <sup>5</sup> (%)	Torque Factor <sup>6a</sup> (ft.lbs/psi/ppf) (N.m/MPa/(kg/m))	Max. Circulation Pressure <sup>7</sup> (psi) (MPa)	Max. Pressure End Load <sup>7</sup> (ton) (tonne)														
CRTi1-8.63 CRTi2-8.63 CRTi2-8.63HC750	690 750	625 680	81008	85,000	115,200	102675	17.00	431.8	77.5	115.33	77.5	115.33	-	-	-	-	-	56%	0.01598	2.112	4,900	34	500	454	20.0	508	2,600	1,179	
						81752	17.88	454.0	105.0	156.26	93.5	139.14	-	-	-	-	-	53%	0.01485	1.962	4,500	31	500	454	20.0	508	2,650	1,202	
						100665	18.0	457.2	117.0	174.12	117.0	174.12	17.88	454.0	105.0	156.26	93.5	139.14	56%	0.01577	2.083	4,600	32	500	454	20.0	508	2,650	1,202
						82976	18.63	473.1	87.5	130.21	87.5	130.21	20.0	508.0	229.3	341.24	229.3	341.24	45%	0.01269	1.676	4,000	28	500	454	20.0	508	2,800	1,270
						81434	18.63	473.1	94.5	140.63	87.5	130.21	-	-	-	-	-	-	51%	0.01415	1.870	4,100	28	500	454	20.0	508	2,800	1,270
						81566	18.63	473.1	97.7	145.39	87.5	130.21	-	-	-	-	-	-	55%	0.0152	2.009	4,000	28	500	454	20.0	508	2,800	1,270
						82101	18.63	473.1	111.0	165.19	96.5	143.61	-	-	-	-	-	-	55%	0.01525	2.015	4,200	29	500	454	20.0	508	2,800	1,270
						82675	18.63	473.1	117.0	174.12	111.0	165.19	-	-	-	-	-	-	56%	0.01525	2.015	4,200	29	500	454	20.0	508	2,800	1,270
						103097	18.63	473.1	126.0	187.51	112.0	166.67	-	-	-	-	-	-	56%	0.01560	2.061	4,200	29	500	454	20.0	508	2,800	1,270
						81880	18.63	473.1	139.0	206.85	136.0	202.39	-	-	-	-	-	-	56%	-	-	4,300	30	500	454	20.0	508	2,800	1,270
						82300	20.0	508.0	94.0	139.89	94.0	139.89	-	-	-	-	-	-	49%	0.01362	1.800	3,500	24	500	454	20.0	508	3,000	1,361
						81759	20.0	508.0	106.5	158.49	94.0	139.89	-	-	-	-	-	-	49%	0.01362	1.799	3,500	24	500	454	20.0	508	3,000	1,361
	81483	20.0	508.0	133.0	197.93	129.3	192.42	-	-	-	-	-	-	50%	0.01418	1.874	3,600	25	500	454	20.0	508	3,000	1,361					
	101434	20.0	508.0	147.0	218.76	129.3	192.42	-	-	-	-	-	-	49%	0.01387	1.833	3,600	25	500	454	20.0	508	3,000	1,361					
	82740	20.0	508.0	169.0	251.5	166.4	247.63	-	-	-	-	-	-	52%	-	-	3,800	26	500	454	20.0	508	3,000	1,361					
	82102	22.0	558.8	184.5	274.57	184.5	274.57	-	-	-	-	-	-	45%	-	-	3,000	21	500	454	28.0	711	3,100	1,406					
	81750	22.0	558.8	229.0	340.79	229.0	340.79	-	-	-	-	-	-	40%	-	-	3,200	22	500	454	28.0	711	3,100	1,406					
	100029	24.0	609.6	176.0	261.92	176.0	261.92	-	-	-	-	-	-	38%	0.01086	1.435	2,500	17	500	454	28.0	711	3,100	1,406					
	101875	24.0	609.6	186.0	276.80	171.3	254.91	-	-	-	-	-	-	38%	0.01086	1.435	2,500	17	500	454	28.0	711	3,100	1,406					
	101050	24.0	609.6	201.0	299.12	201.0	299.12	-	-	-	-	-	-	39%	0.01131	1.495	2,500	17	500	454	28.0	711	3,100	1,406					
	104449	26.0	660.4	272.3	405.23	267.3	397.79	-	-	-	-	-	-	37%	-	-	2,200	15	500	454	28.0	711	3,700	1,678					
	81462	26.0	660.4	272.3	405.23	272.3	405.23	-	-	-	-	-	-	37%	-	-	2,200	15	500	454	28.0	711	3,700	1,678					
	104737	26.0	660.4	330.4	491.69	330.4	491.69	24.5	622.3	133.0	197.93	133.0	197.93	39%	-	-	2,200	15	500	454	28.0	711	3,700	1,678					
	82486	28.0	711.2	222.7	331.41	222.7	331.41	-	-	-	-	-	-	27%	0.00783	1.035	1,800	12	500	454	32.0	813	4,400	1,996					
82506	30.0	762.0	239.0	355.67	239.0	355.67	-	-	-	-	-	-	24%	0.00717	0.947	1,500	10	500	454	32.0	813	4,700	2,132						
CRTe-1.0GM5.5 Float(F) Non-Float(NF)	500	453	81932	40,000	54,200	102965	3.5	88.9	9.3	13.84	7.7	11.46	-	-	-	-	-	80%	0.04007	5.295	10,000 (R) 10,000 (NR)	83 (R) 250 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	13.7	348	1,900 (F) 1,750 (NF)	862 (F) 794 (NF)	
						82155	4.5	114.3	16.6	24.70	9.5	14.14	-	-	-	-	-	80%	0.03467	4.581	6,700 (R) 10,000 (NR)	46 (R) 139 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	13.7	348	1,900 (F) 1,750 (NF)	862 (F) 794 (NF)	
						82408	5.0	127.0	25.6	38.10	11.5	17.11	-	-	-	-	-	80%	0.03081	4.071	5,200 (R) 10,000 (NR)	36 (R) 109 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	13.7	348	1,900 (F) 1,750 (NF)	862 (F) 794 (NF)	
						81813	5.5	139.7	43.1	64.14	14.0	20.83	-	-	-	-	-	80%	0.02812	3.716	4,300 (R) 10,000 (NR)	30 (R) 89 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	13.7	348	1,900 (F) 1,750 (NF)	862 (F) 794 (NF)	
CRTe-1.0GM7.75 Float(F) Non-Float(NF)	500	453	81990	40,000	54,200	102965	3.5	88.9	9.3	13.84	7.7	11.46	-	-	-	-	-	80%	0.04007	5.295	10,000 (R) 10,000 (NR)	89 (R) 268 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						82155	4.5	114.3	16.6	24.70	9.5	14.14	-	-	-	-	-	80%	0.03467	4.581	6,700 (R) 10,000 (NR)	46 (R) 139 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						82408	5.0	127.0	25.6	38.10	11.5	17.11	-	-	-	-	-	80%	0.03081	4.071	5,200 (R) 10,000 (NR)	36 (R) 109 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						81813	5.5	139.7	43.1	64.14	14.0	20.83	-	-	-	-	-	80%	0.02812	3.716	4,300 (R) 10,000 (NR)	30 (R) 89 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						101730	6.0	152.4	26.9	40.03	18.8	27.98	-	-	-	-	-	80%	0.0306	4.044	3,700 (R) 10,000 (NR)	26 (R) 77 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						101373	6.63	168.4	32.0	47.62	17.0	25.30	-	-	-	-	-	80%	0.0262	3.467	2,800 (R) 8,400 (NR)	19 (R) 58 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						82854	7.0	177.8	57.1	84.97	17.0	25.30	-	-	-	-	-	80%	0.02577	3.405	2,400 (R) 7,400 (NR)	17 (R) 51 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	
						81839	7.63	193.7	59.2	88.10	24.0	35.72	-	-	-	-	-	80%	0.02371	3.133	2,100 (R) 6,300 (NR)	14 (R) 43 (NR)	50 (R) <sup>10</sup> 150 (NR)	45 (R) <sup>10</sup> 136 (NR)	16.3	414	2,400 (F) 2,200 (NF)	1,089 (F) 998 (NF)	

1. Tool hoist rating is based on API Specification 8C.; however, load capacity is further constrained by local interaction of the slip dies with the casing which must not exceed the efficiency indicated for individual slip die sizes to avoid excess deformation. The slip to casing interaction hoist limit is calculated by multiplying the slip to pipe body load efficiency number by the casing hoist limit found in API Specification 5C2. For example: from 5C2 the pipe body yield for 9.625" x 40 ppf L80 casing is 916,000 lbs (415.5 tonne). The slip efficiency for die 81756 used to run this casing on the CRTi2-8.63 tool is 80%. Therefore the casing hoist limit is 80% x 916000 lbs = 732,800 lbs (366.4 tons) or 80% x 415.5 tonne = 311.6 tonne.
2. CRTi1,2-4.5 Cage (P/N: 81325) when run in conjunction with Integral Slips (P/N: 80957) enable running 4.5" 13.5ppf casing, with a reduced torque capacity of 10,000 ft.lbs. All other CRTi1,2-4.5 Integral Slips can be run with Cage (P/N: 81325) with a reduced torque capacity of 10,000 ft.lbs. CRTi1,2-5.5 Cage (P/N: 81128) must be run in conjunction with Keeper (P/N: 81134) and Integral Slips (P/N: 81129) to enable running 5.5" 23.0ppf casing, with a reduced torque capacity of 20,000 ft.lbs. CRTi1,2-5.5 Integral Slips 80913, 82165, 80981, 82013, 81284 and 83076 can also be run with Cage (P/N: 81128) with a reduced torque capacity of 20,000 ft.lbs. CRTi4-7 Cage (P/N: 82999) must be run in conjunction with Keeper (P/N: 83001) and Integral Slips (P/N: 83000) to enable running 7.0" 38.0-42.7ppf casing, with a reduced torque capacity of 35,000 ft.lbs. All other CRTi4-7 Integral Slips and Dies can be run with Cage (P/N: 82999) with a reduced torque capacity of 35,000 ft.lbs.
3. Maximum pipe weight is defined by the API Specification 5CT drift diameter of the heaviest weight casing into which the CRTi® tool assembled with the specified die set will fit.
4. Indicated minimum pipe weight is based on the assumption that control of average pipe inside diameter over die grip interval does not allow pipe body area reduction less than 3.5% from nominal and additionally takes into account tool wear allowances, die penetration, casing deformation and tool stroke. Minimum Pipe Weight listed is for standard capacity mandrels. High Capacity (HC) mandrels may have different minimum pipe weight, please consult the individual casing running tool base tool specification sheets for full range.
5. Slip to pipe body load efficiency and torque factor are only applicable to primary pipe size. The Slip to pipe body load efficiency and torque factor might be lower for overlap pipe sizes.
6. Torque Capacity may be limited by slip die/casing interaction. Where torque factors are provided, multiply this factor by the desired casing weight in ppf then multiply the result by the casing yield strength to determine the slip die/casing interaction torque limit. If no value is provided, tool rating will be limiting for all standard casing grades.
7. CRTi and CRTe® tool pressure end load capacity is independent of casing pressure capacity and casing seal assembly pressure capacity. During circulation hoist capacity must be reduced by the pressure end load.
8. Hoist capacity for CRTi1-7.0 is 300 ton.
9. Non-standard radial stroke limit for this casing weight only.
10. CRTe tool maximum pressure end load depends on the casing seal arrangement and stinger assembly. The retractable stinger assembly (R) has smaller pressure end load capacity than the fixed or non-retractable stinger assembly (NR). CRTe tool hoist capacity must be reduced by the pressure end load during circulation.

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