



The Specification Of The Drilling Equipment Tools

Cangzhou Lockheed Drilling Equipment Parts Co.,Ltd

Contact:Debbie

Tel:0086-0317-3223997

E-mail:sales4@lockheedconebit.com

Type SDD Manual Tong



- Type SDD Manual Tong is an essential tool in oil drilling operation to make-up and break-out drill pipe, casing joint and coupling.
- It can be adjusted by changing latch lug jaws and handling shoulders.All the tongs we offer are API 7K & ISO certificated.

No. Of Latch Lug Jaw	No. Of Hinge Pin Hole	Latch Step	Size Range		Rated Torque	
			in	mm	Lb • ft	kN • m
1#	I	1	4-51/2	101.6-139.7	1000,000	140
		2	51/2-53/4	139.7-146		
	II	1	51/2-65/8	139.7-168.3		
		2	61/2-71/4	165.1-184.2		
	III	1	65/8-75/8	168.3-193.7		
		2	73/4-81/2	196.9-215.9		
2#	I	1	81/2-9	215.9-228.6		
		2	91/2-103/4	241.3-273		

	II	2	10 ³ / ₄ -12	273-304.8		
3#	I	1	12-12 ³ / ₄	304.8-323.8	70,000	100
	II	1	13 ³ / ₈ -14	339.7-355.6		
		2	15	381		
4#	II	1	15 ³ / ₄	400	60,000	80
5#	II	1	16	406.4		
		2	17	431.8		

Type DB Manual Tongs(BJ Type Tongs)



- Type DB Manual Tongs are an essential tools in oil drilling operation to make-up and break-out drill pipe, casing joint and coupling.
- It can be adjusted by changing latch lug jaws and handling shoulders. All the tongs we offer are API 7K & ISO certificated.

No. of Latch Lug Jaw	No. of Hinge pin hole	Size Range		Rated Torque	
		in	mm	lb-ft	kN-m
1#	I	3 ¹ / ₂ -6	88.9-152	65,000	90
	II	5 ³ / ₄ -7	146-178		
	III	6 ⁵ / ₈ -8 ¹ / ₄	168-210		
2#	I	8-9 ⁵ / ₈	203-244	40,000	55
	II	10 ⁵ / ₈ -11 ¹ / ₄	270-286		
3#	I	11 ³ / ₄ -12 ³ / ₄	298-324	40,000	55
	II	13 ³ / ₈ -14 ³ / ₈	340-365		
4#	II	16-17	406-432		

Type B Manual Tongs(BJ Type B Tongs)



- Type B Manual Tongs are an essential tools in oil drilling operation to make-up and break-out drill pipe, casing joint and coupling.
- It can be adjusted by changing latch lug jaws and handling shoulders.All the tongs we offer are API 7K & ISO certificated.

No. of Latch Lug Jaw	Latch Step	Size Range		Rated Torque	
		in	mm	lb-ft	kN·m
1#	1	3 ¹ / ₂ -4 ¹ / ₈	88.9-104.78	55,000	75
	2	4 ¹ / ₈ -5	104.78-127		
2#	1	4 ¹ / ₄ -5 ¹ / ₄	107.95-133.35		
	2	5-5 ³ / ₄	127-146.05		
	3	6-6 ³ / ₄	152.4-171.45		
3#	1	6 ⁵ / ₈ -7 ¹ / ₄	168.28-184.15		
	2	7 ³ / ₈ -8	187.33-203.2		
	3	8 ¹ / ₂ -9	215.9-228.6		
4#	1	9-9 ⁵ / ₈	228.6-244.48	40,000	55
	2	10 ⁵ / ₈ -10 ³ / ₄	269.88-273.05		
5#	1	11 ³ / ₄	298.45	30,000	40
6#	1	12 ³ / ₄ -13	323.85-330.2		
7#	1	13 ³ / ₈	339.73		

Type C Manual Tong



- Type C Manual Tong(HT-35 tongs) is an essential tool in oil drilling operation to make-up and break-out drill pipe, casing joint and coupling.
- It can be adjusted by changing latch lug jaws and handling shoulders.All the tongs we offer are API 7K & ISO certificated.

No. of Latch Lug Jaw	Short Jaw	No. of Hinge Jaw	Size Range		Rated Torque	
			in	mm	lb·ft	kN·m
1#	2 ³ / ₈ -7	/	2 ³ / ₈ -3.668	60.33-93.17	15,000	20
2#			2 ⁷ / ₈ -4 ¹ / ₄	73.03-108		
3#			3 ¹ / ₂ -5 ¹ / ₄	88.9-133.35	25,000	35
4#			5 ¹ / ₂ -7	139.7-177.8	35,000	48
5#	7 ⁵ / ₈ -10 ³ / ₄	1#	7-8 ⁵ / ₈	177.8-219.08	25,000	35
6#		2#	9 ⁵ / ₈ -10 ³ / ₄	244.5-273.05	32,000	44

Well Servicing Tongs



No. of Latch Lug Jaw	Size Range		Rated Torque	
	in	mm	lb·ft	kN·m
1#	2 ³ / ₈ -4 ¹ / ₂	60.3-114.3	25,000	35
2#	4 ¹ / ₂ -6 ¹ / ₂	114.3-165.1		
3#	6 ¹ / ₂ -8 ⁵ / ₈	165.1-219.1		
4#	9 ⁵ / ₈ -10 ³ / ₄	244.5-273.1		

Extended Casing Manual Tong (Type B Extended)



- Extended Casing Manual Tong is an essential tool in oil drilling operation to make-up and break-out drill pipe, casing joint and coupling.
- It can be adjusted by changing latch lug jaws and handling shoulders. All the tongs we offer are API 7K & ISO certificated.

Pipe Size		Rated Torque	
mm	in	lb·ft	KN·m
340-368	13 ³ / ₈ -14 ¹ / ₂	25,000	35
368-406	14 ¹ / ₂ -16		
406-445	16-17 ¹ / ₂		
445-483	17 ¹ / ₂ -19		
483-508	19-20		
508-546	20-21 ¹ / ₂		
546-584	21 ¹ / ₂ -23		
610-648	24-25 ¹ / ₂		
648-686	25 ¹ / ₂ -27		
686-724	27-28 ¹ / ₂		
724-762	28 ¹ / ₂ -30		
762-800	30-31 ¹ / ₂		
800-838	31 ¹ / ₂ -33		
838-876	33-34 ¹ / ₂		
876-915	34 ¹ / ₂ -36		

Casing Tongs



The 13-3/8 inch casing manual tongs is capable of making up or breaking out of the screws of casing and casing couplings of 14-3/8 in drilling operation, the rated load of it is 8KN.m(5,900 lb·ft)

LF Manual Tong



No. of Latch Lug Jaw	Latch Step	Size Range		Rated Torque	
		in	mm	lb·ft	kN·m
1#	1	2 ³ / ₈ -2 ⁷ / ₈	60.32-73	10,000	14
	2	2 ⁷ / ₈ -3 ¹ / ₂	73-88.9		
2#	1	3 ¹ / ₂ -4 ¹ / ₄	88.9-107.95		
	2	4 ¹ / ₄ -5	107.95-127		
3#	1	4 ³ / ₄ -5 ¹ / ₂	120.65-139.7	16,000	22
	2	5 ¹ / ₂ -6 ¹ / ₄	139.7-158.75		
4#	1	5 ³ / ₄ -6 ³ / ₈	146.05-161.93	11,800	16
	2	6 ³ / ₈ -7	161.93-177.8		

TA Type Elevator



The TA Style Elevators are for use on tubing, casing and drill collars. The elevators are balanced for easy handling with safety lock and latch and guarded operating handles. Sizes range from 35 tons to 150 tons and cover all size tubular up to 11¹/₄".

Model	Size(in)				Rated Cap. (short tons)
	DC	Tubing		Casing	
		NU	EU		
TA-35	2 ⁷ / ₈ -3 ¹ / ₈	1.05-2 ⁷ / ₈	1.05-2 ⁷ / ₈	/	35
TA-65	2 ⁷ / ₈ -3 ¹ / ₈	1.66-2 ⁷ / ₈	1.66-2 ⁷ / ₈	/	65
TA-100	3 ¹ / ₈ -5 ¹ / ₄	2 ³ / ₈ -5	2 ³ / ₈ -4 ¹ / ₂	/	100
TA-150	4 ¹ / ₈ -11 ¹ / ₄	/	/	4 ¹ / ₂ -10 ³ / ₄	150

DD Type Elevator



Model DD center latch elevator with square shoulder is suitable for handling drill collar, casing and tubing. The load ranges from 150 tons to 350 tons. The size ranges are from 2" to 5¹/₂".

Model	Size(in)			Rated Cap. (Short Tons)
	(DP)	(Casing)	(Tubing)	
DD -150	2 ³ / ₈ -5 ¹ / ₂	4 ¹ / ₂ -5 ¹ / ₂	2 ³ / ₈ -4 ¹ / ₂	150
DD -250	2 ³ / ₈ -5 ¹ / ₂	4 ¹ / ₂ -5 ¹ / ₂	2 ³ / ₈ -4 ¹ / ₂	250
DD -350	2 ³ / ₈ -5 ¹ / ₂	4 ¹ / ₂ -5 ¹ / ₂	2 ³ / ₈ -4 ¹ / ₂	350

Type CD Elevator



CD drill pipe elevators are conventional side door drill pipe elevators for handling 90 degree shoulder drill pipe in oil and gas drilling operation, CD drill pipe elevators are forged from high quality alloy steel, heat-treated, and NDT tested. The rated loads range from 150t to 750t, and cover pipe sizes from 2.3/8" to 9.7/8" O.D .

Model	Size(in)	Rated Cap. (Short Tons)
CD-150	2.3/8-14	150
CD-200	2.3/8-14	200
CD-250	2.3/8-20	250
CD-350	4.1/2-20	350
CD-500	4.1/2-14	500
CD-750	4.1/2-9.7/8	750

Type CDZ Drill Pipe Elevator



CDZ drilling pipe elevator is mainly used in the holding and hoisting of drilling pipe with 18 degree taper and tools in oil and natural gas drilling, well construction. CDZ drill pipe elevators are forged from high quality alloy steel, heat-treated, and NDT tested. The rated loads range from 150t (1350kN) to 500t (4500kN, and cover pipe sizes from 2.3/8" to 5.1/2" O.D .

Model	Size(in)	Rated Cap. (short tons)
CDZ -150	2.3/8-5.1/2	150
CDZ -250	2.3/8-5.1/2	250
CDZ -350	2.7/8-5.1/2	350
CDZ -500	3 1/2-5 1/2	500

Type DDZ Drill Pipe Elevators(18° TYPE ELEVATORS G SERIES)



DDZ series elevators are center latch elevator with 18 degree taper shoulder, applied in handling the drilling pipe and drilling tools, etc. The load ranges from 100 tons to 750 tons. The size ranges are from 2.3/8" to 6.5/8".

Model	Size(in)	Rated Capacity (short tons)	Remark
DDZ -100	2.3/8-5	100	MG
DDZ -150	2.3/8-5.1/2	150	RG
DDZ -250	2.3/8-5.1/2	250	MGG
DDZ -350	3.1/2-5.7/8	350	GG
DDZ -350TD	3.1/2-5.7/8	350	For Top Drive
DDZ -500	3.1/2-6.5/8	500	HGG
DDZ -500TD	3.1/2-6.5/8	500	For Top Drive
DDZ -750	4-6.5/8	750	For Top Drive

SP Single Joint Elevator



SP series auxiliary elevator is mainly used as a tool in handling single tubing, casing and drill pipe with taper shoulder.

Model	Size(in)	Rated Cap. (Short Tons)
SP50	2.3/8-10.3/4	5
SP120	2.3/8-4.1/2	
SP180	2.7/8-6.5/8	

SJ series auxiliary elevator(Single Joint Elevator)



SJ series auxiliary elevator is mainly used as a tool in handling single casing or tubing in oil and natural gas drilling and cementing operation. The products shall be designed and manufactured according to the requirements in API Spec 8C Specification for Drilling and Production Hoisting Equipment .

Size		Rated Cap.(kN)
in	mm	
2.3/8-2.7/8	60.3-73.03	45
3.1/2-4.3/4	88.9-120.7	
5-5.3/4	127-146.1	

6-7.3/4	152.4-193.7	60
8.5/8-10.3/4	219.1-273.1	
11.3/4-13.3/8	298.5-339.7	
13.5/8-14	346.1-355.6	
16-20	406.4-508.0	
21.1/2-24.1/2	546.1-622.3	
26-28	660.4-711.2	
30-36	762.0-914.4	

Sucker Rod Elevator



Sucker Rod Elevators are hoisting tools for handling sucker rods. They are designed and manufactured according to API 8C.

size	in	Rated Cap.Short tons
SRE2 0	1/2、 5/8、 3/4、 7/8、 1、 11/8、 11/4、 11/2	20tons (180KN)
SRE2 5	5/8、 3/4、 7/8、 1	25tons (225KN)

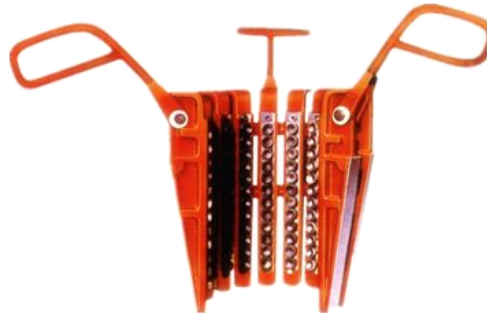
Rotary Slips



Type	Slip Body Size		3 ¹ / ₂			4 ¹ / ₂			5		
SDS-S	Pipe Size	In	2 ³ / ₈	2 ⁷ / ₈	3 ¹ / ₂	-	-	-	-	-	-
		mm	60.3	73.0	88.9	-	-	-	-	-	-
	Weight	kg	39.6	38.3	36.4	-	-	-	-	-	-
		lb	87	84	80	-	-	-	-	-	-
SDS	Pipe Size	in	2 ³ / ₈	2 ⁷ / ₈	3 ¹ / ₂	3 ¹ / ₂	4	4 ¹ / ₂	4	4 ¹ / ₂	5
		mm	60.3	73.0	88.9	88.9	101.6	114.3	101.6	114.3	127
	Weight	kg	53.1	50.3	48.5	64.9	61.7	57.6	-	-	-
		lb	117	111	107	143	136	127	-	-	-
SDML	Pipe Size	in	2 ³ / ₈	2 ⁷ / ₈	3 ¹ / ₂	3 ¹ / ₂	4	4 ¹ / ₂	4	4 ¹ / ₂	5
		mm	60.3	73.0	88.9	88.9	101.6	114.3	101.6	114.3	127
	Weight	kg	87.8	85.3	81.6	94	90.3	85.3	92.5	88.9	84
		lb	193	188	180	207	199	188	204	196	185
SDXL	Pipe	in	-	-	-	3 ¹ / ₂	4	4 ¹ / ₂	4	4 ¹ / ₂	5

	Size	mm	-	-	-	88.9	101.6	114.3	101.6	114.3	127
	Weight	kg	-	-	-	103.9	99.3	93	107.5	103	96.6
		lb	-	-	-	229	219	205	237	227	213
Type	Slip Body Size	5¹/₂			5⁷/₈			7			
SDML	Pipe Size	in	4 ¹ / ₂	5	5 ¹ / ₂	5 ³ / ₄	5 ⁷ / ₈	-	5 ⁷ / ₈	6 ⁵ / ₈	7
		mm	114.3	127	139.7	-	-	-	-	-	-
	Weight	kg	90.9	84	82.1	-	-	-	-	-	-
		lb	200	185	181	-	-	-	-	-	-
SDXL	Pipe Size	in	4 ¹ / ₂	5	5 ¹ / ₂	5.3/4	5.7/8	-	5.7/8	6.5/8	7
		mm	114.3	127	139.7	146.1	149.2	-	149.2	168.3	177.8
	Weight	kg	106.1	101.5	95.3	-	-	-	-	-	-
		lb	234	224	210	-	-	-	-	-	-

Casing Slips



Casing Slips Type CMS can accommodate casings from 4.1/2 to 30in (114.3 to 762mm). They are designed and manufactured according to API Spec 7K.

Casing OD	in	4.1/2-5	5.1/2-6	6.5/8	7	7.5/8	8.5/8	9.5/8	10.3/4
	mm	114.3-127	139.7-152.4	168.3	177.8	193.7	219.1	244.5	273.1
Weight	kg	76	71	89	83.5	75	82	87	95
	lb	168	157	196	184	166	181	192	209
Total No. of segments		9	9	12	12	12	13	14	15
Use in insert bowl No.		API or No.3						No.2	
Casing OD	in	11.3/4	13.3/8	16	18.5/8	20	24	26	30
	mm	298.5	339.7	406.4	473.1	508	609.6	660.4	762
Weight	kg	118	117	140	166.5	174	201	220	248
	lb	260	258	308	367	383	443	486	546
Total No. of segments		17	18	21	25	26	30	33	37
Use in insert bowl No.		No.1			Match with relevant casing bushing				

DCS Collar Slips



There are three types of DCS Drill Collar Slips: S, R and L. They can accommodate drill collars from 3in(76.2mm) to 14in(355.6mm) O.D.. The handling sizes can be adjusted by changing the quantity of inserts or slip body. They are designed and manufactured according to API Spec 7K.

MODEL		DCS-S		DCS-R		DCS-L				
DC OD	in	3-4	4-4.7 /8	4.1/2 -6	5.1/2 -7	6.3/ 4- 8.1/ 4	8- 9.1/ 2	8.1 /2- 10	9.1/ 4- 11.1/ 4	11- 12.3 /4
	mm	76.2 - 101. 6	101. 6- 123. 8	114.3 - 152. 4	139. 7- 177. 8	171. 4- 209. 6	203. 2- 241. 3	21 5.9 - 25 4	235- 285. 7	279. 4- 323. 9
Weig ht	kg	51	47	54	51	70	78	84	90	116
	lb	112	103	120	112	154	173	18 5	198	256
Use in insert bowl No.		API or No.3						No.2		No. 1

DU Rotary Slips



There are three types of DU Series Rotary Slips: DU, DUL and SDU. They are with large handling range and light weight. Therefore, these slips have larger contact area on the taper and heat-treated for strength and wear resistance. They are designed and manufactured according to API Spec 7K.

Model	Size of Slip bodies		4.1/2				
			in	mm	in	mm	in
DU	DP OD	in	2.3/8	2.7/8	3.1/2	4	4.1/2
		mm	60.3	73.0	88.9	101.6	114.3
DUL	DP OD	in	2.3/8	2.7/8	3.1/2	4	4.1/2
		mm	60.3	73.0	88.9	101.6	114.3
SDU	DP OD	in	—	—	—	—	—
		mm	—	—	—	—	—
Model	Size of Slip bodies		5.1/2				
			in	mm	in	mm	in
DU	DP OD	in	3.1/2	4	4.1/2	5	5.1/2
		mm	88.9	101.6	114.3	127	139.7
DUL	DP OD	in	3.1/2	4	4.1/2	5	5.1/2
		mm	88.9	101.6	114.3	127	139.7
SDU	DP OD	in	3.1/2	4	4.1/2	5	5.1/2
		mm	88.9	101.6	114.3	127	139.7
Model	Size of Slip bodies		7				
			in	mm	in	mm	in
DU	DP OD	in	4.1/2	5	5.1/2	6.5/8	7
		mm	114.3	127	139.7	168.3	177.8
DUL	DP OD	in	—	—	—	—	—
		mm	—	—	—	—	—
SDU	DP OD	in	4.1/2	5	5.1/2	6.5/8	7
		mm	114.3	127	139.7	168.3	177.8

Type MP Safety Clamps



Safety Clamps Type MP are necessary tools for handling drill collars, flush joint pipes and small shoulder pipes. They could adjust pipes of different sizes by changing the quantity of chain links. They are designed and manufactured according to API Spec 7K.

Mode I	Size Range (in)	Total Number of links
MP-S	2.7/8-4.1/8	7
	4-5	8
MP-R	4.1/2-5.5/8	7
	5.1/2-7	8
	6.3/4-8.1/4	9
	8-9.1/4	10
	9.1/4-10.1/2	11
MP-M	10.1/2-11.1/2	12
	11.1/2-121/2	13
	12.1/2-13.5/8	14
	13.5/8-14.3/4	15
	14.3/4-15.7/8	16
MP-L	15.7/8-17	17
	17-18.1/2	18
	18.1/8-19.3/8	19
MP-X L	19.3/8-20.3/8	19
	20.3/8-21.1/2	20
	21-22.5/8	21
	22.5/8-23.3/4	22
	23.3/4-24.7/8	23
	24.7/8-26	24
	26-27.1/8	25
	29.3/8-301/2	28

Type WA-C and WA-T Safety Clamps



Safety Clamps Type C&T are tools for handling flush joint pipes and drill collars.

Mode I	Size Range (in)	Total Number of links
WA-C	3.3/4-4.5/8	7
	4.1/2-5.5/8	8
	5.1/2-6.5/8	9
	6.1/2-7.5/8	10
	7.1/2-8.5/8	11
	8.1/2-9.5/8	12
	9.1/2-10.5/8	13
	10.1/2-11.5/8	14
	11.1/2-12.5/8	15
	12.1/2-13.5/8	16
	13.1/2-14.5/8	17
	14.1/2-15.5/8	18
Mo del	Size Range (in)	Total Number of links
WA- T	1.1/8-2	4
	2.1/8-3.1/4	5
	3.1/2-4.1/2	6