

HANDLING TOOLS

Slip

SD Type Rotary Slip

- JES Rotary Slips accommodate drill pipes of 2 3/8 to 7 inch O.D. They are classified as Type Short (SDS), Medium (SDML) and Extra Long (SDXL) according to gripping length. SDS slips are designed for shallow well drilling; SDML slips are the perfect choice for all medium depth drilling; and SDXL slips are designed for deep drilling.



Model	Slip Body		3 1/2			4 1/2		
SDS	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	3 1/2	4	4 1/2
SDML	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	3 1/2	4	4 1/2
SDXL	Drill Pipe O.D.	in				3 1/2	4	4 1/2
Model	Slip Body		5			5 1/2		
SDS	Drill Pipe O.D.	in	4	4 1/2	5			
SDML	Drill Pipe O.D.	in	4	4 1/2	5	4 1/2	5	5 1/2
SDXL	Drill Pipe O.D.	in	4	4 1/2	5	4 1/2	5	5 1/2
Model	Slip Body		5 7/8			7		
SDXL	Drill Pipe O.D.	in		5 3/4	5 7/8		6 5/8	7



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HANDLING TOOLS

Slip

DU Series Rotary Slip

- JES supplies two models of DU Series Rotary Slips: DU and DUL. Heat-treated for strength and wear resistance, the slip features large handling range, light weight and larger contact area on the taper.



Model	Slip Body Size		4 1/2				
DU	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	4	4 1/2
DUL	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	4	4 1/2
Model	Slip Body Size		5 1/2				
DU	Drill Pipe O.D.	in	3 1/2	4	4 1/2	5	5 1/2
DUL	Drill Pipe O.D.	in	3 1/2	4	4 1/2	5	5 1/2
SDU	Drill Pipe O.D.	in	3 1/2	4	4 1/2	5	5 1/2
Model	Slip Body Size		7				
DU	Drill Pipe O.D.	in	4 1/2	5	5 1/2	6 5/8	7
SDU	Drill Pipe O.D.	in	4 1/2	5	5 1/2	6 5/8	7



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HANDLING TOOLS

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Woolley B Style Slips

- JES carries three sizes of B Slips: short, long and extra long, to handle all size wells to be drilled. They have a unique torque transfer slot preventing excess wear and pressure and inserts are designed with flat backs so load is transferred to slip body. Slip inserts are easily replaced with removal of one retaining pin.



Model	Slip Body Size		4 1/2					
B short	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	4	4 1/2	
B long	Drill Pipe O.D.	in	2 3/8	2 7/8	3 1/2	4	4 1/2	
Model	Slip Body Size		4 1/2			5		
B extra long	Drill Pipe O.D.	in	3 1/2	4	4 1/2	4	4 1/2	5



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Woolley A Style Drill Collar Slips

- JES Type A Drill Collar Slip is a multi-segment slip accommodating the changes of drill collar O.D. with abrasion. It features light weight, large handling scale and reliable quality.



Drill Collar O.D.	in	3-4 1/2	3 1/4-4 3/4	4 1/4-5 3/4	5 1/2-7	6 3/4-8 1/4	8 1/4-10	10-11 3/4
Insert Bowl NO.		API or No.3						



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UC-3 Casing Slip

- JES UC-3 Casing Slip is multi-segment slip of 3" taper (except 85/8" down which has 4" taper). They should be combine-used with spiders and insert bowls of same taper. The slips are designed and manufactured according to API Spec 7K.



Application Range (in)	Slip Body (in)	Slip Segments	Insert Qty.	Taper
7	8 5/8	10	10	1:3
7 5/8				
8 5/8				
9	10 3/4	10	10	1:4
9 5/8				
10 3/4				
11 3/4	13 3/8	12	12	1:4
12 3/4				
13 3/8				
16	13 3/8	14	14	1:4
18 5/8		17	17	
20		17	17	
22 1/2		19	19	
24		19	19	
26		21	21	
30		24	24	
36		28	28	
42		32	32	



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HANDLING TOOLS

Slip

DCS Type Drill Collar Slip

- JES supplies three models of DCS Drill Collar Slips: S, R and L. They can accommodate drill collar from 3 to 14 inch O.D.



Model		DCS-S		DCS-R			
Drill Collar O.D.	in	3-4	4-4 7/8	4 1/2-6	5 1/2-7		
Insert Bowl No.		API or No.3					
Model		DCS-L					
Drill Collar O.D.	in	6 3/4-8 1/4	8-9 1/2	8 1/2-10	9 1/4-11 1/4	11-12 3/4	12-14
Insert Bowl No.		API or No.3		No.2		No.1	



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HANDLING TOOLS

Slip

CMS Type Casing Slip

- JES CMS Type Casing Slips accommodate casing from 4 1/2 to 30 inch O.D.



Casing O.D.	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
Segment Qty.		9	9	12	12	12	13	14	15
Insert No.		API or No.3						No.2	
Casing O.D.	in	11 3/4	13 3/8	16	18 5/8	20	24	26	30
Segment Qty.		17	18	21	25	26	30	33	37
Insert No.		No.1		Relevant Casing Bushing					



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HANDLING TOOLS

Safety Clamp

WA Series Safety Clamp

- JES supplies WA Series Safety Clamps for handling flush joint pipe and drill collar. Model WA-C safety clamps can accommodate tubular from 3 3/4 to 15 5/8 inch O.D., and WA-T safety clamps accommodate 1 1/8 to 4 1/2 inch O.D.



Model	Application Range (in)	Links	Model	Application Range (in)	Links
WA-C	3 3/4-4 5/8	7	WA-T	1 1/8-2	4
	4 1/2-5 5/8	8			
	5 1/2-6 5/8	9			
	6 1/2-7 5/8	10		2 1/8-3 1/4	5
	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		3 1/2-4 1/2	6
	12 1/2-13 5/8	16			
	13 1/2-14 5/8	17			
14 1/2-15 5/8	18				



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HANDLING TOOLS

Safety Clamp

MP Type Safety Clamp

- JES MP Safety Clamps are essential tools for handling drill collars, flush joint pipes and small shoulder pipes. By adjusting the quantity of chains links they can fit pipes of different sizes.



Model	Application Range (in)	Links	Model	Application Range (in)	Links
MP-S	2 7/8-4 1/8	7	MP-L	15 7/8-17	17
	4-5	8		17-18 1/8	18
MP-R	4 1/2-5 5/8	7		18 1/8-19 3/8	19
	5 1/2-7	8	19 3/8-20 3/8	19	
	6 3/4-8 1/4	9	20 3/8-21 1/2	20	
	8-9 1/4	10	21-22 5/8	21	
	9 1/4-10 1/2	11	22 5/8-23 3/4	22	
MP-M	10 1/2-11 1/2	12	MP-XL	23 3/4-24 7/8	23
	11 1/2-12 1/2	13		24 7/8-26	24
	12 1/2-13 5/8	14		26-27 1/8	25
	13 5/8-14 3/4	15		29 3/8-30 1/2	28
	14 3/4-15 7/8	16			



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Roller Kelly Bushing

- JES Roller Kelly Bushings are used for 17 1/2 to 49 1/2 inch rotary tables. They are designed and manufactured according to API Spec 7K.



Model	Kelly Specification (in)		Way of Drive	Type	
HDS	SQ	2 1/2-6	Square Drive	Heavy Duty	
	HEX	3-6			
20HDP	SQ	2 1/2-6	Pin Drive		
	HEX	3-6			
27HDP	SQ	2 1/2-6	Pin Drive		
	HEX	3-6			
4KRBM	SQ	2 1/2-5 1/4	Square Drive		Medium Duty
	HEX	3-4 1/4			
4KRVS	SQ	2 1/2-4 1/4	Square Drive	Light Duty	
	HEX	3-4 1/4			



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HANDLING TOOLS

Master Bushing & Insert Bowl

- JES Master Bushings and Insert Bowls accommodate rotary table from 17 1/2 to 49 1/2 inch. They are cast with high-quality alloy steel conforming to API Spec 7K. It can be combine-used with API standard rotary slip, drill collar slip, casing slip and roller kelly bushing.



Model	Rotary Table Size (in)	Insert Bowl	Handling O.D.(in)
MSS (Split) (Square Drive)	17 1/2-27 1/2	-	2 3/8-8 5/8
MSS (Solid) (Square Drive)	17 1/2-23	1011	2 3/8-7 5/8
		1024	2 3/8-8 5/8
	27 1/2	1022	2 3/8-7 5/8
		1025	2 3/8-8 5/8
		1026	9 5/8-10 3/4
2002	11 3/4-13 3/8		
MDSP (Split) (Pin Drive)	17 1/2-20 1/2	-	2 3/8-8 5/8
MSPC (Solid) (Pin Drive)	20 1/2-22 1/2	Bowl 1809	2 3/8-8 5/8
		Bowl 1902	9 5/8-10 3/4
		Master Bushing 1805	11 3/4-13 3/8
		Master Bushing 19333	11 3/4-13 3/8
	23-27 1/2	Bowl 1810(No.3)	2 3/8-8 5/8
		Bowl 1904(No.2)	9 5/8-10 3/4
Bowl 1903(No.1)		11 3/4-13 3/8	
MSP (Split) (Pin Drive)	27 1/2	-	2 3/8-8 5/8
MPCH (Pin Drive)	37 1/2	Bowl 6608(No.3)	2 3/8-8 5/8
		Bowl 6609(No.2)	9 5/8-10 3/4
		Bowl 6610(No.1)	11 3/4-13 3/8
	49 1/2	MPCH37 1/2	2 3/8-13 3/8



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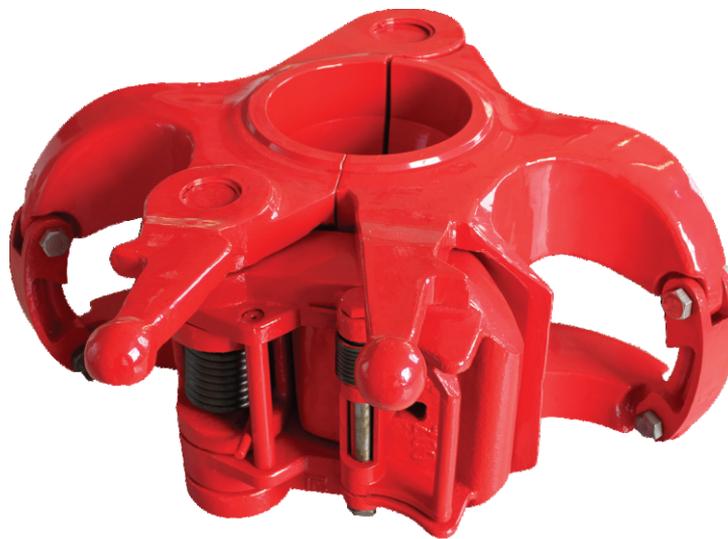
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HANDLING TOOLS

Elevator

G Series Elevator

- JES G Series 18° Bottleneck Elevators provide center latch operation for running external upset drill pipe and drilling tools from 100-500 tons. JES G Series Elevators have a safety latch and latch lock combination to prevent equipment induced accidents.



Type	Handling Pipe Size	Rated Capacity
	in	short tons
MG	2 3/8–5	100
RG	2 3/8–5 1/2	150
MGG	2 3/8–5 1/2	250
GG	3 1/2–5 7/8	350
HGG	3 1/2–6 5/8	500



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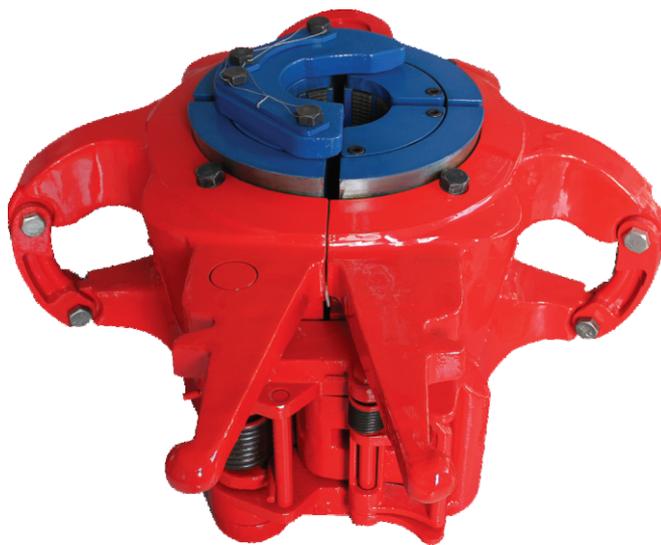
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HANDLING TOOLS

Elevator

Y Series Slip Type Elevator

- JES Y Series Slip Type Elevators are hoisting tools for tubular in oil and gas field, especially fit for integral tubing sub, integral joint casing and electric submersible pump column.



Type	Application Range		Rated Capacity (short tons)
	Slip Body Size (in)	Pipe Size (in)	
LYT	2 1/16	1.05-2 1/16	20
MYT	2 7/8	1.315-2 7/8	40
YT	3 1/2	1.315-2 7/8	75
	2 7/8	2 7/8-3 1/2	
HYT	3 1/2	2 3/8-2 7/8	150
	4 1/2	2 7/8-3 1/2	
YC	5 1/2	3 1/2-4 1/2	75
	7	5-5 1/2	
	4 1/2	6 5/8-7	
MYC	5 1/2	3 1/2-4 1/2	125
	7	5-5 1/2	
	4 1/2	6 5/8-7	
HYC	5 1/2	3 1/2-4 1/2	200
	7	5-5 1/2	
	7 5/8	6 5/8-7	
		7 5/8	



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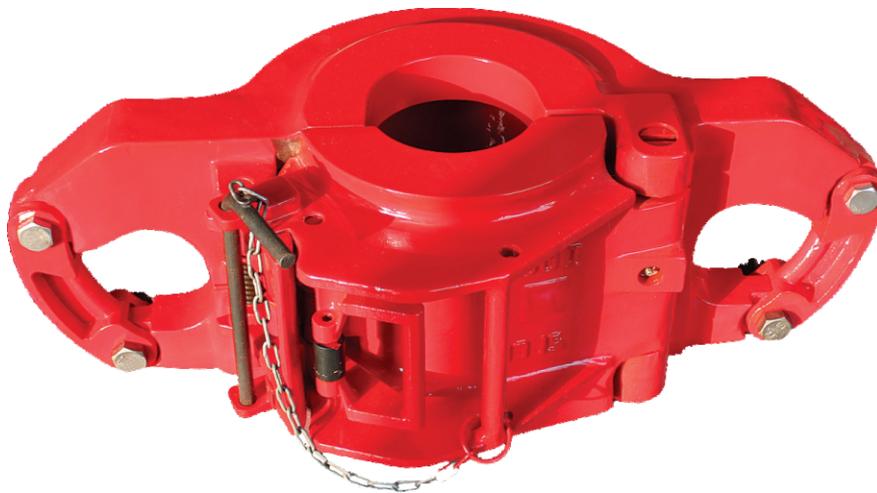
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HANDLING TOOLS

Elevator

Type SLX/SX Elevator

- JES Type SLX/SX Elevators are hoisting tools for drill pipe, casing, tubing and drill collar in oil and gas field. They are designed and manufactured according to API Spec 8A/8C for Drilling and Production Hoisting Equipment.



Model	Application Range (in)	Max. Load (short tons)
SLX/65	3 1/2–14 1/4	65
SLX/100	2 3/8–5 3/4	100
SLX/150	5 1/2–30	150
SLX/250	5 1/2–30	250
SLX (SX) /350	4 1/2–20	350
SX/500	9 5/8–20	500



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HANDLING TOOLS

Elevator

Type SJ Elevator

- JES Type SJ Single Joint Elevators are hoisting tools for handling casing and other tubular in oil and gas field. They are designed and manufactured according to API Spec 8A/8C for Drilling and Production Hoisting Equipment.



Model	Application Range (in)	Rated Capacity(short tons)
SJ	2 3/8-3 1/2	5
	4-5 1/2	
	6-7 5/8	
	8 5/8-10 3/4	
	11 3/4-13 3/8	
	14	
	16-20	6
	21-24 1/2	
26-28		
	30-36	



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HANDLING TOOLS

Elevator

Type SP Elevator

- JES Type SP Auxiliary Elevator is applied to hoist tubing, casing and drill pipe with tapered joint. It is designed and manufactured according to API Spec 8A/8C.



Model	Application Range (in)	Rated Capacity(short tons)
SP5°	2 7/8–5 1/2	5
	5 1/2–7 5/8	
	8 5/8–9 5/8	
	10 3/4	
SP12°	2 3/8–4 1/2	
SP18°	2 7/8–5	
	5 1/2–6 5/8	



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CASING EQUIPMENT

Elevator/Spider

- JES Elevators/Spiders are mechanized tools with air operating for handling casing up to 24-1/2 inch O.D. They are designed and manufactured according to API Spec 8A/8C for Drilling and Production Hoisting Equipment.



Model	Applicable Range (in)	Rated Capacity (short tons)	Work Pressure (Mpa)	Max. Pressure (Mpa)
SE150	2 3/8-5 1/2	150	0.6-0.8	1
SE350(14)	4-14	350	0.6-0.8	1
SE350(20)	16-20	350	0.6-0.8	1
SE500(14)	4-14	500	0.6-0.8	1
SE500(24 1/2)	16-24 1/2	500	0.6-0.8	1
SE750	4 1/2-14	750	0.6-0.8	1
SEB350	4 1/2-13 3/8	350	0.6-0.8	1



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CASING EQUIPMENT

Spider Casing Spider

- JES Casing Spider has a hinged spider body with a split insert bowl. Combined with rotary table, it handles most casings of different sizes. It is designed and manufactured according to API Spec 7K.



Model	Pipe Size (in)	Taper	Rated Capacity (short tons)
HCS20/500	2 3/8–20	4"	500
JOY13 3/8 / 200	7–8 5/8	4"	200
	9–13 3/8	3"	
JOY20/200	7–8 5/8	4"	
	9–20	3"	
JOY30/200	16–30	3"	
JOY36/200	18 5/8–36	3"	
JOY30/500	16–30	4"	500
JOY36/500	18 5/8–36	4"	



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HANDLING TOOLS

Spider API Bowl

- JES API Bowls are made of high quality alloy steel and especially heat-treated, featuring light weight for easy operation. They are designed and manufactured according to API Sepec 7K.



Model	Application Range (in)	Taper	Rated Capacity (short tons)
8 5/8 / 100	2 3/8–8 5/8	4"	100
10 3/4 / 100	9 5/8–10 3/4	4"	100



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HANDLING TOOLS

Spider

TS Tubing Spider

- TS-100 Tubing/Casing Spiders are tools for handling drill collars, casings, tubings and slick pipes. Both the spider body and slips are made of high-quality alloy steel and heat-treated especially. They are designed and manufactured according to API Spec 7K Specification for drilling and well servicing equipment.



Model	Applicable Range(in)	Rated Capacity (short tons)
TS 3 1/2-100	1.05-3 1/2	100
TS 5 1/2-100	2 3/8-5 3/4	100



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HANDLING TOOLS

Manual Tong

Type AAX Manual Tong

- JES AAX Extra-Heavy Tong is an all purpose heavy-duty drilling tong recommended for severe service. Eight lug jaws handle pipes ranging from 2 7/8 to 13 3/8 inch. JES AAX Manual Tong can be applied in cold weather area with its cold resistant material.



Latch Lug Jaws	Handling O.D.	Max. Torque ft-lbs
	in	
1#	2 7/8-3 3/4	55000
2#	3 1/2-4 1/2	
3#	4-5 1/4	
4#	5-7 1/4	
5#	6 7/8-8 5/8	
6#	9-10 3/4	30000
7#	10 3/4-11 3/4	
8#	13 3/8	



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HANDLING TOOLS

Manual Tong

WWB & WWC Manual Tong

- JES offers the Web Wilson Type B Style & C Style Manual Tong with torque ratings from 10,000-35,000 ft-lbs for tubing, casing and drill strings. They can be adjusted by changing latch lug jaws.



WWB Manual Tong

Latch Lug Jaws	Handling O.D.	Max. Torque ft-lbs
	in	
1#	2 3/8-3 3/4	35000
2#	3 1/2-4 5/8	
3#	4 1/2-5 3/4	
4#	5 1/4-7 1/4	
5#	6 7/8-8 5/8	25000
6#	9-10 3/4	

WWC Manual Tong

Latch Lug Jaws	Handling O.D.	Max. Torque ft-lbs
	in	
1#	2 3/8-3 1/2	20000
2#	2 7/8-4 1/4	
3#	4-5 3/4	
4#	5 3/4-7	15000
5#	7 1/4-8 5/8	
6#	9 5/8-10 3/4	10000



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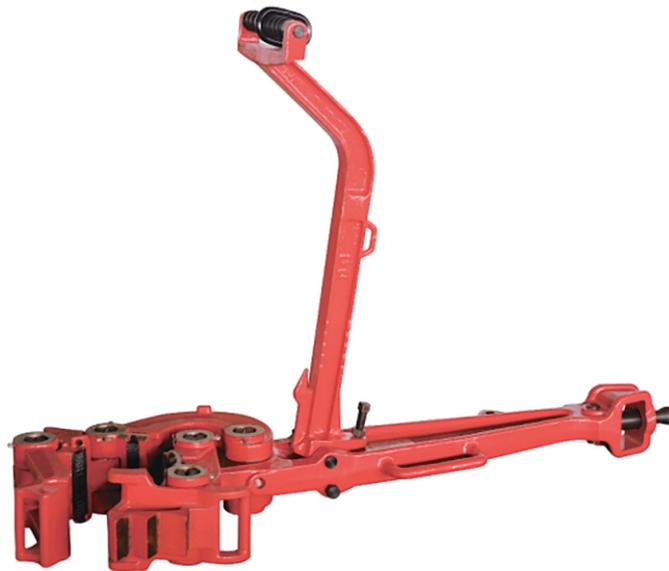
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HANDLING TOOLS

Manual Tong

Type SB (HT 55) Manual Tong

- JES Type SB Manual Tong is an essential tool in oil drilling operation to fasten and remove the screws of drill pipe, casing joint and coupling. It can be adjusted by changing latch lug jaws and latch step to hold tubulars of different sizes.



Latch Lug Jaws	Latch Step	Handling O.D.	Max. Torque ft-lbs
		in	
1#	1	3 1/2-4 1/8	55000
	2	4 1/8-5	
2#	1	4 1/4-5 1/4	
	2	5-5 3/4	
	3	6-6 3/4	
3#	1	6 5/8-7 1/4	
	2	7 3/8-8	
	3	8 1/2-9	
4#	1	9-9 5/8	
	2	10 5/8-10 3/4	
5#	1	11 3/4	30000
6#	1	12 3/4-13	
7#	1	13 3/8	



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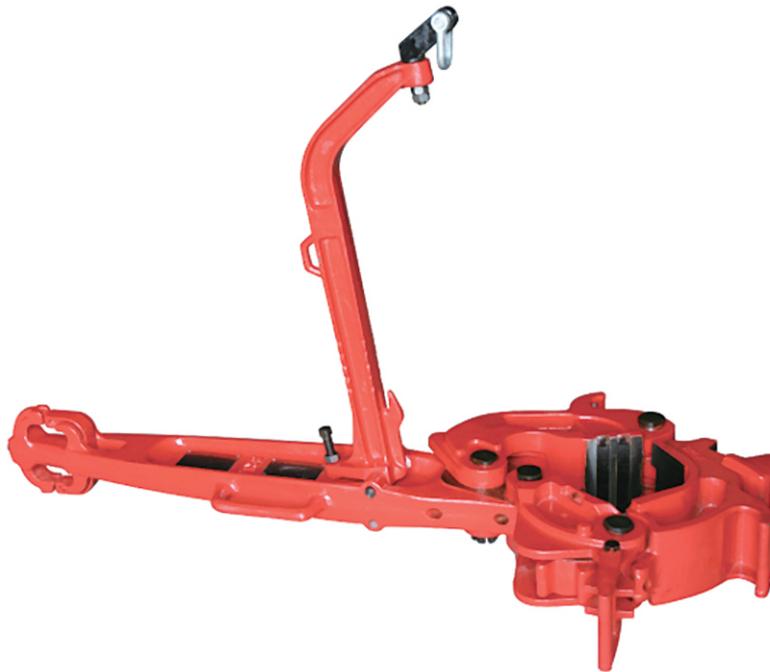
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HANDLING TOOLS

Manual Tong

Type DB Manual Tong

- JES Type DB Manual Tong is used for making up and breaking out of drill tools, casing joint and coupling. It can be adjusted by changing latch lug jaws to hold strings of different sizes.



Latch Lug Jaws	Hole No. of Hinge Pin	Handling O.D.	Max. Torque ft-lbs
		in	
1#	I	3 1/2-6	65000
	II	5 3/4-7	
	III	6 5/8-8 1/4	
2#	I	8-9 5/8	40000
	II	10 5/8-11 1/4	
3#	I	11 3/4-12 3/4	40000
	II	13 3/8-14 3/8	
4#	II	16-17	



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HANDLING TOOLS

Manual Tong

Type C Manual Tong

- JES Type C Manual Tong is applied to make up and break out pipes of 23/8-103/4 inch O.D. It is designed and manufactured according to API Spec 7K.



Latch Lug Jaws	Short Jaw No.	Hinge Jaw No.	Handling O.D.	Max. Torque ft-lbs
			in	
1#	1#	/	2 3/8-3.668	35000
2#			2 7/8-4 1/4	
3#			3 1/2-5 1/4	
4#			5 1/2-7	
5#	2#	1#	7-8 5/8	
6#		2#	9 5/8-10 3/4	



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HANDLING TOOLS

Manual Tong

Type B Manual Tong

- JES Type B 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 latch step.



Latch Lug Jaws	Latch Step	Handling O.D. (in)	Max. Torque (ft-lbs)
5a	1	3 3/8-4 1/8	40000
	2	4 1/8-5 1/4	
5b	1	4 1/4-5 1/4	55000
	2	5-5 3/4	
	3	6-6 3/4	
5b1	1	5 1/4-5 3/4	40000
	2	6-6 5/8	
	3	6 3/4-8	
5c	1	6 5/8-7 3/8	55000
	2	7 3/8-8	
	3	8 1/2-8 5/8	
5d	1	8 1/2-9 5/8	40000
	2	10 5/8-10 3/4	
5e	1	11 3/4	40000
	2	12 3/4	
5e1	1	10 3/4	40000
	2	11 3/4	
5e3	1	13-13 3/8	40000



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HANDLING TOOLS

Manual Tong

Type SDD (HT 100) Manual Tong

- JES Type SDD Manual Tong is applied to make up and break out drill tools, casing joint and coupling. Changing lug jaws and latch step can adjust different handling sizes of the tong.



Latch Lug Jaws	Hole No. of Hinge Pin	Latch Step	Handling O.D.	Max. Torque ft-lbs
			in	
1#	I	1	4-5 1/2	100000
		2	5 1/2-5 3/4	
	II	1	5 1/2-6 5/8	
		2	6 1/2-7 1/4	
	III	1	6 5/8-7 5/8	
		2	7 3/4-8 1/2	
2#	I	1	8 1/2-9	75000
	II	2	9 1/2 -10 3/4	
		2	10 3/4-12	
3#	I	1	12-12 3/4	100000
	II	1	13 3/8-14	
		2	15	
4#	II	1	15 3/4	60000
5#	II	1	16	60000
		2	17	



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HANDLING TOOLS

Manual Tong Casing Tong

- JES Casing Tong is capable of making up and breaking out the screws of casing and casing couplings in drilling operation.



Model	Hinge Jaw No.	Handling O.D.	Max. Torque
		in	ft-lbs
Q13 ³ / ₈ -25 ¹ / ₂ /35	9,8	13 3/8-14 1/2	25000
	8,7	14 1/2-16	
	8,9,9	16-17 1/2	
	8,9,7	17 1/2-19	
	7,8,7	19-20	
	9,8,9,7	20-21 1/2	
	9,7,8,7	21 1/2-23	
	9,9,8,7,7,	24-25 1/2	
	9,8,7,7,7	25 1/2-27	
	8,7,7,7,7	27-28 1/2	
	9,9,8,7,7,8	28 1/2-30	
	9,7,7,7,7,8	30	
Q25 ¹ / ₂ -36/55	9,8,7,7,7	25 1/2-27	40000
	8,7,7,7,7	27-28 1/2	
	9,9,7,7,7,8	28 1/2-30	
	9,7,7,7,7,8	30-31 5/8	
	8,9,8,9,7,7,7	31 1/2-33	
	7,9,8,9,9,7,8,9	33-34 1/2	
	8,7,7,9,9,8,8,8	34 1/2-36	



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HANDLING TOOLS

Manual Tong

Type LF Manual Tong

- JES Type LF Manual Tong is necessary for making up and breaking out pipes during well servicing operation. By changing lug jaws and latch step it can handle pipes of 2 3/8-7 inch O.D.



Latch Lug Jaws	Latch Step	Handling O.D.		Max. Torque ft– lbs
		in	mm	
1#	1	2 ³ / ₈ –2 ⁷ / ₈	60.3–73	16000
	2	2 ⁷ / ₈ –3 ¹ / ₂	73–88.9	
2#	1	3 ¹ / ₂ –4 ¹ / ₄	88.9–108	
	2	4 ¹ / ₄ –5	108–127	
3#	1	4 ³ / ₄ –5 ¹ / ₂	120.7–139.7	
	2	5 ¹ / ₂ –6 ¹ / ₄	139.7–158.8	
4#	1	5 ³ / ₄ –6 ³ / ₈	146.1–161.9	
	2	6 ³ / ₈ –7	161.9–177.8	



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HANDLING TOOLS

Manual Tong

Well Service Tong

- JES Well Service Tong is used to fasten and remove the screws of drill tool and casing in drilling and well servicing operation. The handling size of this tong can be adjusted by changing latch lug jaws.



Latch Lug Jaws	Handling O.D.		Max. Torque ft-lbs
	in	mm	
1#	2 ³ / ₈ -4 ¹ / ₂	60.3-114.3	25000
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	



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