



# TUBULAR RUNNING TOOLS

**Jiangsu Rutong Petro-Machinery co.,Ltd.**

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# Certificate of Authority to use the Official API Monogram

License Number: 7K-0055

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The American Petroleum Institute hereby grants to

**JIANGSU RUTONG PETRO-MACHINERY CO., LTD.**  
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QMS Exclusions: No Exclusions Identified as Applicable

**Effective Date: SEPTEMBER 28, 2018**

**Expiration Date: JULY 22, 2023**

A handwritten signature in black ink, appearing to read "Adam C. P. Sullivan".

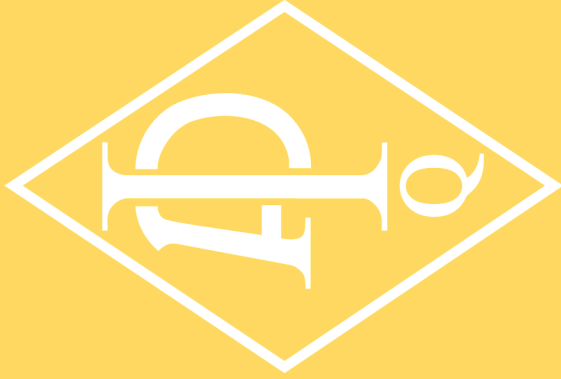
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Vice President of Global Industry Services

# Certificate of Authority to use the Official API Monogram

License Number: 8C-0068

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The scope of this license includes the following: Casing, Tubing, Drill Pipe and Drill Collar Elevators, Elevator Links, Spiders, if Capable of Being Used as Elevators, Sucker Rod Elevators, Tubing and Sucker Rod Hooks at PSL 1, PSL 2

QMS Exclusions: No Exclusions Identified as Applicable

**Effective Date: JULY 22, 2020**

**Expiration Date: JULY 22, 2023**

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Vice President of Global Industry Services

## Elevator/ Spiders

Model	Size Range (in)	Capacity (short tons)	Working Pressure (Mpa)
SE150	2. 3/8~5. 1/2	150	0. 6~0. 8
SE350 (14)	4~14	350	0. 6~0. 8
SE350 (20)	16~20	350	0. 6~0. 8
SE500 (14)	2. 3/8~14	500	0. 6~0. 8
SE500 (24. 1/2)	16~24. 1/2	500	0. 6~0. 8
SE750 (14)	6. 5/8~14	750	0. 6~0. 8
SE750 (24. 1/2)	16~24. 1/2	750	0. 6~0. 8



## WGY(FMS)Hydraulic Slips

Model	Size Range (in)	Size Range (in)	Rated Capacity (short tons)
WGY275	2. 3/8~7. 5/8	27. 1/2	350
WGY375	2. 3/8~14	37. 1/2	550
WGY495 (PS30)	2. 3/8~20	49. 1/2	750



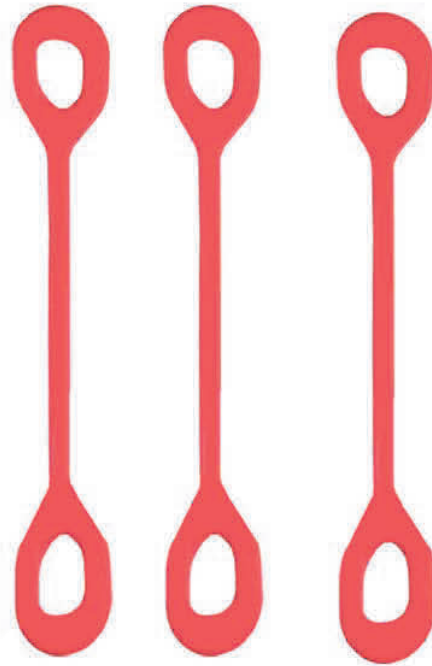
## Iron Roughnecks Type TZG

Weight:3500kg(7700 lbs)  
 Hydraulic requirements:14.5MPa(2100psi)  
 Tubular OD range:4.1/4-8.1/2(108~216mm)  
 Spin speed: 100RPM  
 Spin torque: 2373N·m(1750ft·lbs)  
 Max make-up torque: 81500N·m (60000ft·lbs)  
 Max break-out torque: 108500N·m (80000ft·lbs)  
 Horizontal travel: 1525mm(60in)  
 Vertical travel: 915(1830)mm 36(72)in



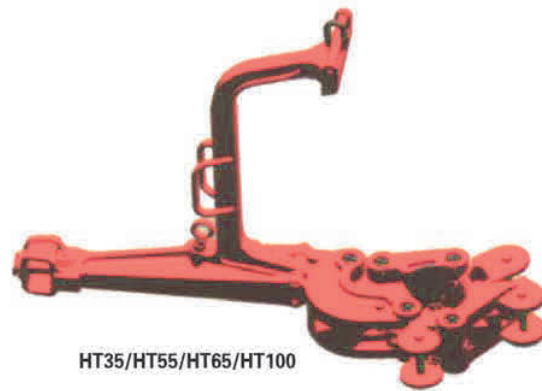
## Links

Type	Model	Rated Capacity (tons)	cross section of critical areas
Weldless Links	DH150	150	1.34"
	DH250	250	2.14"
	DH350	350	2.34"
	DH500	500	3.12"
	DH750	750	4.34"
Perfection Links	SH75	80	1.34"
	SH100	100	2"
	SH150	150	/
Extensional Links	TDH150	150	/
	TDH250	250	/
	TDH350	350	/



## Manual Tongs

Model	Size Range (in)	Torque Rated
RT200	6"-16"	200,000ft-lb
SDD	4"-17"	4"-12"&15.3/4" 100,000ft-lb 12"-15" 75,000ft-lb 16"-17" 60,000ft-lb
DB	3.1/2"-17"	3.1/2"-11.1/4" 65,000ft-lb 11.3/4"-17" 40,000ft-lb
B	3.1/2"-13.3/8"	3.1/2"-9" 55,000ft-lb 9"-11.3/4" 40,000ft-lb 13.3/8" 30,000ft-lb
C	2.3/8"-10.3/4"	35,000ft-lb
Extended Typeb Casing Tong	13.3/8"-25.1/2"	25,000ft-lb
	25.1/2"-36"	50,000ft-lb
LF	2.3/8"-7"	16,000ft-lb
HT100	4"-17"	4"-12"&15.3/4" 100,000ft-lb 12"-15" 75,000ft-lb 16"-17" 60,000ft-lb
HT65	3.1/2"-17"	3.1/2"-11.1/4" 65,000ft-lb 11.3/4"-17" 40,000ft-lb
HT55	3.1/2"-13.3/8"	3.1/2"-9" 55,000ft-lb 9"-11.3/4" 40,000ft-lb 13.3/8" 30,000ft-lb
HT35	2.3/8"-10.3/4"	35,000ft-lb
WWH	3.1/2"-13.3/8"	80,000ft-lb
AAX	2.7/8"-13.3/8"	55,000ft-lb
WWB	2.3/8"-10.3/4"	35,000ft-lb
WWC	2.3/8"-10.3/4"	25,000ft-lb



## XQ140/12Y Power Tong

Applicable pipe size	mm in	60 2. 3/8	89 3. 1/2	102 4	114 4. 1/2	127 5	140 5. 1/2
Max. working pressure	12MPa(1740psi)						
Max. oil supply	120L/min(31.7g/min)						
Max. torque at high gear	4.2kN·m(3098lbf·ft)						
Max. torque at low gear	12kN·m(8851lbf·ft)						
Max. RPM at high gear	72r/min(72r/min)						
Max. RPM at low gear	24r/min						
Overall dimensions	1060mm×618mm×850mm(41.7in×24.3in×33.5in)						
Transportation weigh	520kg(1144lb)						



## TQ508/50000 Power Casing Tong

Jaw Plate Size(in)	Size Range (in)	Rated Torque (ft · lb)
9. 5/8	9. 5/8	50000
13. 3/8	13. 3/8	
16	16	
18. 5/8	18. 5/8	
20	20	




### Spinning Wrenches

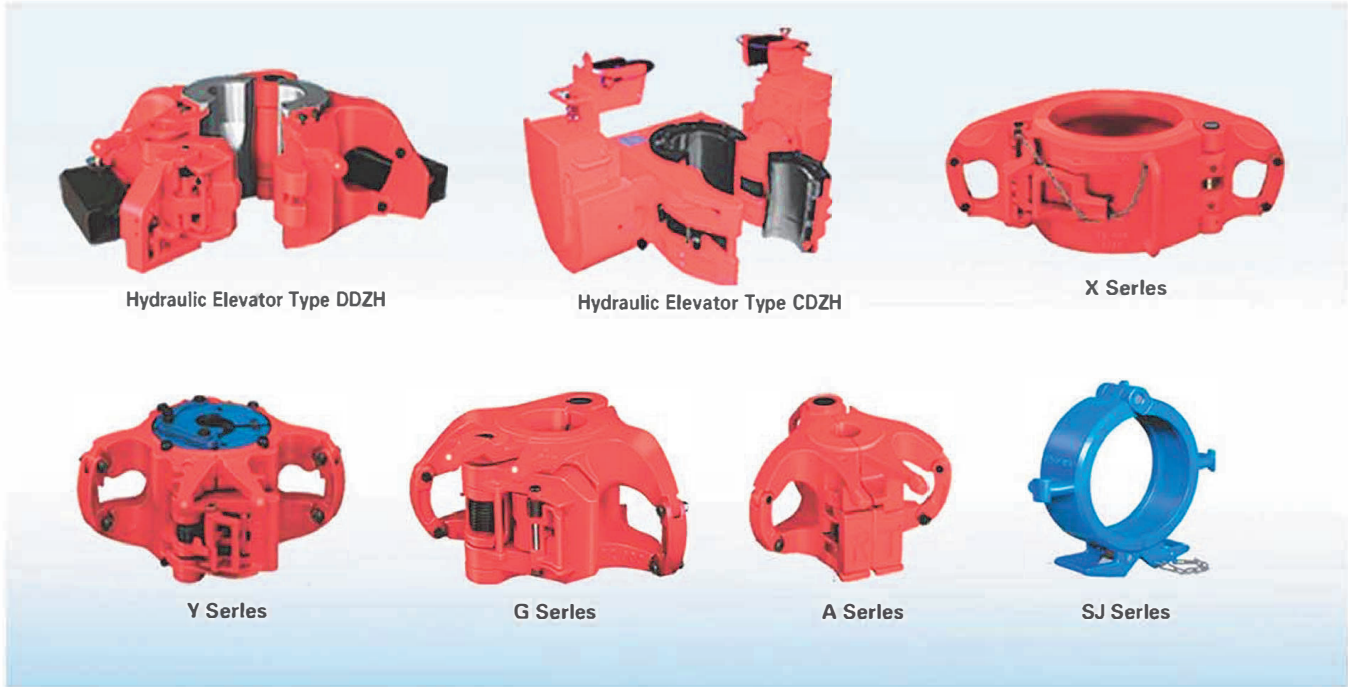
Applicable pipe diameter drill pipes and drill collars of 3.1/2-9.1/2in(89-241mm)and 2.7/8-7in  
 Operating pressure:90-120psi(0.62-0.83Mpa);  
 Air consumption:250cfm(32m/min)  
 Spinning speed:0-120r/min(5in drill pipe)  
 Brake torque:1100ft-lbs(1493nm)(5in drill pipe);  
 Overall dimension:1315X570X570MM



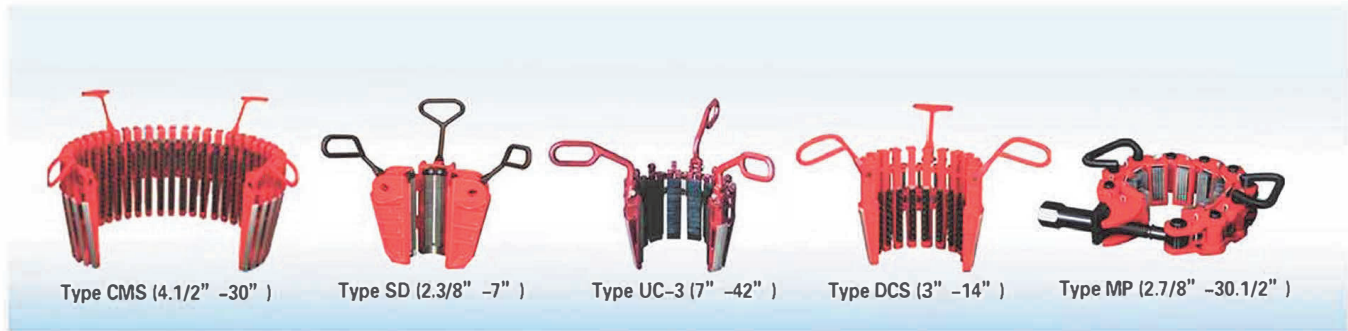
### Fill up and Circulate Tools

FAC 4.1/2"-5.1/2"  
 FAC 5.1/2"-7"  
 FAC 7"-20"

**Elevator Series**



**Rotary Slips**



**Pneumatic Slips/Spiders**

