

# 濮陽中石集團有限公司

## PUYANG ZHONGSHI GROUP CO.,LTD.

Puyang Zhongshi Group Co,Ltd,Is A Restructured Enterprise Of Sinopec.We Have 10 Years Export Experiences And 9 Factories With Annual Output Value Of \$80 Million.Our

Customers Are From America,central Asia,Southeast Asia,Africa,Middle East,Etc. Oi Machinery Is Our Main Products,The Leading Products Include:

1,Pumping Unit and ESP 2,Wellhead and Christmas tree  
3,Subsurface sucker rod pump and Valve ball&seat

4,Float collar and Float shoe

6,Stop collar 7,Cementing plug  
9,Stage collar 10,CTG and couplings

12,Sucker rod and Rod guide

14,Tubing and tubing centrazlier

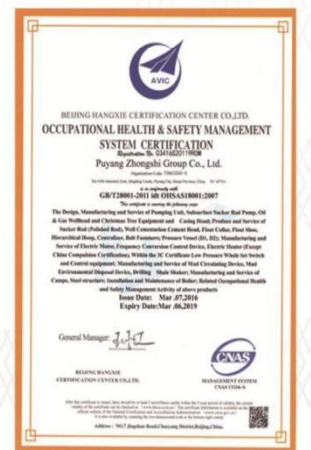
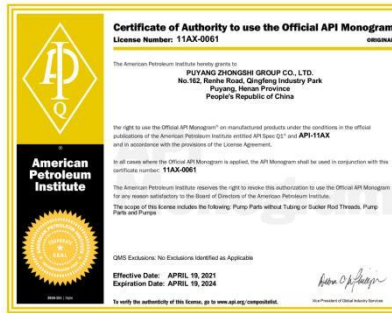
We Had Attained Iso 9001 And Api Certificates.

5,Casing centralizers

8,Cementing head

11,Thread protector

13,Air blaster



## Factory Photos



## Customers Visit



## API B Series Pumping Unit

### Product Overview



API B series pumping unit, a light-weight conventional beam pumping unit, adopting walking beam as its way of balance, is the most common and widely used ground power equipment in rod pumping in the oilfield. The product meets the requirements of "The Specification of the Pumping Unit" of API SPEC 11E and other related standards. It's granted with the permit of the API logo.

### Characteristics of Technical Performance of B series

1. Simple structure, easy maintenance, long lifespan
2. Adopted the involute or biarchingbone gear in symmetric distribution type to transmit, the reducer operates stably and reliably.
3. The whole machine is light weighted, convenient for installation and transportation.
4. This model is fit for the oil pumping in shallow well with short length of stroke and light loads.

### Major Technical Parameter of B Series:

NO.	Model	Rated Polished Rod Load (lb)	Length of Stroke (in)	Rated Torque of the Reducer (in. lb)
	B-80D-119-64	11,900	64、54	80,000
2	B-80D-76-64	7,600	64、54	80,000
3	B-80D-133-54	13,300	54、41	80,000
4	B-80-119-54	11,900	54、41	80,000
5	B-80D-76-54	7,600	54、41	80,000
6	B-80D-133-48	13,300	48、35	80,000
7	B-80D-109-48	10,900	48、35	80,000
8	B-57D-109-54	10,900	54、41	57,000
9	B-57D-89-54	8,900	54、41	57,000
10	B-57D-76-54	7,600	54、41	57,000
11	B-57D-109-48	10,900	48、35	57,000
12	B-57D-95-48	9,500	48、35	57,000
13	B-57D-89-48	8,900	48、35	57,000
14	B-57D-89-42	8,900	42、32	57,000
15	B-40D-89-48	8,900	48、35	40,000
16	B-57D-76-42	7,600	42/32	57,000
17	B-40D-76-42	7,600	42、29	40,000
18	B-25D-67-36	6,700	36、27	25,000
19	B-25D-53-30	5,300	30/23	25,000
20	B-16D-53-30	5,300	30、23	16,000

## API C Series Pumping Unit



### Product Overview

API C series pumping unit, a conventional beam pumping unit, adopting crank as its way of balance, is the most common and widely used ground power equipment in rod pumping in the oilfield. The product meets the requirements of "The Specification of the Pumping Unit" of API SPEC 11E and other related standards. It's granted with the permit of the API logo.

### Characteristics of Technical Performance of C series

1. Featured in modular and virtual manufacturing technology design, the product boasts of its optimizing structure and high level of standardization, generalization and serialization.
2. Having passed the FEM (finite element) analysis and research, the key structural components possess stable performance and high reliability.
3. Adopted the involute or biarc herringbone gear in symmetric distribution type to transmit, the reducer is renowned for its tight seal, low noise, smooth operation and reliability and durability.
4. The whole machine features in easy operation, convenient maintenance and long lifespan.

### Major Technical Parameter of C Series:

Model	Rated Polished Rod Load (Ibs)	Length of Stroke (in)	Rated Torque of the Reducer (in. Ibs)
C-1824D-427-240	42,700	240、212、196、160	1824,000
C-912D-470-240	47,000	240、212、196、160	912,000
C-640D-305-192	30,500	192、165、138	640,000
C-456D-305-168	30,500	168、144、121	57,000
C-456D-305-144	30,500	144、123、102	40,000
C-320D-256-144	25,600	144、123、102	320,000
C-320D-256-120	25,600	120、102、84	320,000
C-228D-213-120	21,300	120、102、84	228,000
C-228D-173-100	17,300	100、86、72	228,000
C-160D-173-86	17,300	86、74、62	160,000
C-160D-200-74	20,000	74、64、54	160,000
C-114D-119-86	11,900	86、72、59	114,000
C-114D-173-64	17,300	64、54、44	114,000
C-80D-119-64	11,900	64、53、42	80,000
C-80D-133-54	13,300	54、45、36	80,000
C-57D-76-54	7,600	54、41、28	57,000
C-57D-109-48	10,900	48、37、25	57,000
C-40D-76-48	7,600	48、37、27	40,000
C-40D-89-36	8,900	36、28、20	40,000
C-25D-67-36	6,700	36、28、20	25,000

### Tubing Pump



Specification	Nominal Bore In (mm)	Plunger Length Ft (m)	Ma. O. D. (mm)	Rod In	Tubing In	Stroke Ft (m)
20-125TH	1.25 (32)	4-6 (1.2-1.8)	73	3/4	23/8	26.25 (8.0)
20-150TH	1.50 (38)		73	3/4 (5/8)	23/8	
20-175TH	1.75 (44)		73	3/4	23/8	
25-175TH	1.75 (44)		88.9	3/4	27/8	
25-200TH	2.00 (51)		88.9	3/4	27/8	
25-250TH	2.50 (63.5)		88.9	3/4	31/2	
30-275TH	2.75 (70)		108	3/4	31/2	
35-325TH	3.25 (83)		116	3/4	41/2	
40-375TH	3.75 (95)		116		4	

### Rod Pump



Specification	Nominal Bore In (mm)	Plunger Length Ft (m)	Ma. O. D. (mm)	Rod In	Tubing In	Stroke Ft (m)
20 (25)-125RHAC RHAM	1.25 (32)	4-6 (1.2-1.8)	47.5/47.6	0.75	23/8 (27/8)	24.61 (7.5)
25-150RHAC RHAM	1.50 (38)		59.4/59.5		27/8	
25-175RHAC RHAM	1.75 (44)		59.4/59.5		27/8	
25-200RWAC RWAM	2.00 (51)		59.4/59.5		27/8	
30-225RHAC RHAM	2.25 (57)		72.1/72.2		31/2	
30-250RWAC RWAM	2.50 (63.5)		72.1/72.2		31/2	

### Ordering Instructions



Parts	Material, Surface treatment	Special requirements
Barrel	Carbon Steel, Chrome plate, nickel-phosphorous plate, carbonitriding, carburized	Brass barrel
Plunger	Carbon steel, nickel spray, chrome plate	Double chrome plate
Ball & Seat	Stainless steel, Tungsten carbide, Titanium carbide	Nickel carbide
Cage	Alloy steel	Hard-lined

## API11AX Valve Balls and Valve Seats



### API Standard Specifications:

Dimensional Sybo	V11-106	V11-125	V11-150	V11-175	V11-200	V11-225	V11-250	V11-375
Ball-D +0.020/-0.010 (+0.51/-0.25)	15.88 (0.625in)	19.05 (0.75in)	23.83 (0.938in)	28.58 (1.125in)	31.75 (1.25in)	34.93 (1.375in)	42.88 (1.688in)	57.15 (2.25in)
Seat-ID ±0.050 (±1.27)	11.68 (0.46in)	13.97 (0.55in)	17.02 (0.67in)	20.96 (0.825in)	24.38 (0.96in)	26.92 (1.06in)	33.27 (1.31in)	43.18 (1.7in)
Seat-OD +0.000/-0.005 (+0.00/-0.13)	20.14 (0.793in)	23.32 (0.918in)	29.67 (1.168in)	35.26 (1.388in)	37.54 (1.478in)	43.69 (1.72in)	51.05 (2.01in)	78.03 (3.072in)
Seat-H +0.020/-0.010 (+0.51/-0.25)	0.500 (12.70in)	0.500 (12.70in)	0.500 (12.70in)	0.500 (12.70in)	0.500 (12.70in)	0.500 (12.70in)	0.500 (12.70in)	0.750 (19.05in)

### Material Available:

Stainless Steel,Cobalt Alloy,Tungsten Carbide,Titanium Carbide

## Steel Sucker Rod



### Technical parameters of popular size:

Product	D, H, K, KD, HY, HL, (Polished rod)				
Diameter mm (inch)	16 (5/8)	19 (3/4)	22 (7/8)	25 (1)	28 (11/8)
Length ± 51mm	7620 (25)	7620 (25')	7620 (25')	7620 (25)	7620 (25')
	8000 (26')	8000 (26')	8000 (26')	8000 (26')	8000 (26)
	9140 (30')	9140 (30")	9140 (30)	9140 (30')	9140 (30°)

Product	Pony Rod
Length, m (ft)	0.5 (1), 1 (2), 1.5 (4'), 2 (6), 2.5 (8), 3 (10)

Coupling	SM Grade, T Grade
Sort	Full size coupling/Small hole coupling

## Sucker Rod Guide

### 1)Coupling Rod Guide



Rod Size	Guide Height	Guide Length	Guide O. D
16mm	>=55mm	>=190mm	$\phi 57.5 \pm 0.5\text{mm}$
19mm	>=55mm	>=190mm	$\phi 57.5 \pm 0.5\text{mm}$
22mm	>=55mm	>=190mm	$\phi 57.5 \pm 0.5\text{mm}$
22mm	>=55mm	>=190mm	$\phi 71.5 \pm 0.5\text{mm}$
25mm	>=55mm	>=190mm	$\phi 71.5 \pm 0.5\text{mm}$

### 2)Wheeled Rod Guide



Rod Size	Guide Height	Guide Length	Guide O. D
16mm	>=32mm	>=320mm	$\phi 57.5 \pm 0.5\text{mm}$
19mm	>=38mm	>=320mm	$\phi 57.5 \pm 0.5\text{mm}$
22mm	>=41mm	>=320mm	$\phi 57.5 \pm 0.5\text{mm}$
22mm	>=46mm	>=400mm	$\phi 71.5 \pm 0.5\text{mm}$
25mm	>=48mm	>=400mm	$\phi 71.5 \pm 0.5\text{mm}$

### 3)Clamp Rod Guide



Rod Size	Guide LC	Guide Length	Guide O. D
22mm	$\phi 23.5 \pm 0.3\text{mm}$	$120 \pm 1\text{mm}$	$\phi 58 \pm 0.3\text{mm}$
25mm	$\phi 26.5 \pm 0.3\text{mm}$	$120 \pm 1\text{mm}$	$\phi 58 \pm 0.3\text{mm}$
25mm	$\phi 26.5 \pm 0.3\text{mm}$	$120 \pm 1\text{mm}$	$\phi 72 \pm 0.5\text{mm}$
28mm	$\phi 29.5 \pm 0.3\text{mm}$	$120 \pm 1\text{mm}$	$\phi 72 \pm 0.5\text{mm}$



气举工作筒 Gas lift mandrel

NO.	型号 Model	连接螺纹 Connecting thread		长度 Length	最大直径 Maximum diameter	适用气举阀尺寸 Adapted gas lift valve		材质 Material
		上内螺纹 Upper internal thread	下外螺纹 Bottom outside thread			直径 O. D.	连接螺纹 Connecting thread	
1	QQGT-I	2 3/8" TBG	2 3/8" TBG	4ft	3 7/8"	1"	Z 1/2" -NPT	J55 or N80
2	QQGT- II	2 3/8" UPTBG	2 3/8" UPTBG	4ft	4"	1"	Z 1/2" -NPT	J55 or N80
3	QQGT- III	2 7/8" TBG	2 7/8" TBG	4ft	4 1/2"	1"	Z 1/2" -NPT	J55 or N80
4	QQGT- IV	2 7/8" UPTBG	2 7/8" UPTBG	4ft	4 1/2"	1"	Z 1/2" -NPT	J55 or N80
5	QQGT- V	1.9"UPTBG	1.9"UPTBG	4ft	3 1/2"	1"	Z 1/2" -NPT	N80
6	QQGT- VI	KG 1 9/16 "	KG 1 9/16 "	36"	2 3/4"	5/8"	Z 1/4" NPT	N80



油管扶正器Tubing centralizer

规格型号 Model	适合油管直径 mm Matching Tubing O. D.	外径 mmO. D.	备注 Remarks
YGNF-2 7/8"	73	110 ~ 115	可定制
YGNF-3 1/2"	88.9	110 ~ 115	可定制
YGFZ 2 7/8	73	114 ~ 116	可定制
YGFZ2 7/8 加厚	80	114 ~ 116	可定制
YGFZ2 3/8	60	84	可定制

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**Drill Tools:Drill Pipe,Heavy Weight Drill Pipe,Drill Collar,Tubing,Casing**

**Drill Pipe**

Specification:2-3/8",2-7/8",3-1/2",4",4-1/2",5",5-1/2",6-5/8"

Steel Grade:E75,X95,G105,S135

Upset Form:EU,IU,IEU

Executive Standard:API Spec 5D

**HeavyWeight Drill Pipe**

Specification:3-1/2",4",4-1/2",5",5-1/2",6-5/8"

Executive Standard:API Spec 5D

**Drill Collar**

Specification:3-1/8",3-1/2",4-11/8",4",4-3/4",5",6",6-11/4",6-3/4"

7",7-1/4",7-3/4",8",8-1/4",9",9-1/2",9-3/4",10",11"

Executive Standard:API Spec 7

**Tubing Pipe**

Specification:2-3/8",2-7/8",3-1/2",4"

Steel Grade:J55,N80,L80,P110

Executive Standard:API Spec 5CT

**Tubing Pipe**

Specification:4-1/2",5",5-1/2",6-5/8",7",7-5/8",8-5/8"

Steel Grade:J55,N80,L80,P110,Q125

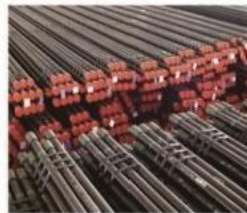
Executive Standard:API Spec 5CT

**Joint**

Specification:NC26,NC31,NC38d,NC38,NC40,NC46,NC50,5-1/2FH,6-5FH

Executive Standard:API Spec 7

Note:All the above products are able to be manufactured as the requirement of client.



## Float Collar And Float Shoe



Float equipment serves as the backbone of casing equipment used during primary cementing operations. Float equipment guides the casing to total depth and prevents contaminated mud from entering the casing. Also, it provides a landing point for casing wiper plugs, reinforces the lower end of the casing string, and ensures greater accuracy of cement slurry displacement.

### FEATURES:

API 5CT, API 5B, API RP 10F rating, China Petroleum Department Standard SY/T5618-2000.

Rounded nose profile helps guide the casing string (only for float shoe)

The valve is made with phenolic material and molded with high strength concrete. Both the valve and concrete are easily drillable with PDC or Rock bits

High strength design ensure excellent performance for flow endurance and back pressure holding

Automatically fill up, saves considerable running-in time.

Special non-rotational groove design ensures corresponding cementing plugs drilled out quickly (only for non-rotating float collar).

Single valve and double valve versions are available. Spring structure and ball structure valve are available; Insert type and normal type are available.

### Material and Size:

API Casing Grades: J55, K55, N80, P110, L80, etc.  
Size vary from 4" to 20".

### Available connections:

API 5RD CONNECTIONS: LTC, STC, BTC  
Premium connections are available upon request.



中石集团  
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PUYANG ZHONGSHI GROUP CO.,LTD.

## Bow Spring Casing Centralizers



Bow spring centralizers ,both welded and non-welded,is to help center the casing in the wellbore,allowing even distribution of the cement around the casing during cementing operations according to API 10D Standard.Size from 4-1/2 “-20”

### Features:

- A)Designed for High Restoring Force and Low Starting &Running Force.
- B)End collars are designed with self-locking action,which are easy to assemble.
- C)Undergo special coating process to prevent from rust.
- D)Can be shipped in half assembled condition for economy in shipping and storage costs.
- E)Specification:4 1/2”-20”.Any special sizes or combination can available on Request.

### Technical Parameters:

No.	Specification	Bow Type	D (mm)	Length (mm)	Max. O. D (mm)	Bow Spring
1	5-1/2”*8-1/2”	1、 II	142-148	650±50	225±5	5
2	7”*8-1/2”	1、 II	181-186	650±50	235±5	6
3	9-5/8”*12-1/4”	1、 II	250-255	650±50	330±5	8
4	10-3/4”*12-1/4”	1、 II	274-276	650±50	330±5	9
5	13-3/8”*17-1/2”	1、 II	342-347	650±50	450±5	11
6	20”*26”	1、 III	510±1	600±50	660±5	12

Note:|(Single Bow)、II(Double)

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## Solid Rigid Casing Centralizers



Rigid Centralizers are an integral part of the cementing process. They provide the mechanism that centers the casing in the hole and allows uniform cement flow around the casing to help protect it at all points. Several styles of centralizers are available for matching different well specifications and hole sizes, including turbulence generating designs that help clean the annulus and distribute the cement more evenly and uniformly. All models offer ample clearance for fluid passage and are extra effective in centering the casing, even in highly deviated holes and improve cement flow by reducing the effects of channeling.

### Technical Parameters:

Model	Style	Max OD(mm)	D(mm)	Length(mm)
ZSGF—41/2×6	、 II、 III	145	116.5	200
ZSGF—5×6	1、 II、 III	145	129	200
ZSGF—51/2×81/2	1、 I1、 III	205-210	142	200/300
ZSGF—65/8×81/2	1、 II、 III	205-210	171	200/300
ZSGF—7×81/2	1、 II、 III	205-210	181	200/300
ZSGF—7×91/2	1、 II、 III	225-235	181	200/300
ZSGF—7×95/8	1、 I II、 III	225-235	181	200/300
ZSGF—95/8×121/4	1、 II、 III	300-305	248	200
ZSGF—133/8×171/2	1、 II、 III	430-435	346	200

Note: ZSGF series rigid casing centralizer, classified as straight strip type (type I), spiral (type II) roller type (type III).

## Stop Collar



Stop collar is used to hold centralizers or cement baskets on any position of casing, which ensures the positions of centralizers or cement basket to meet the design. The stop collars are available in two types: hinged type, slip on type. The stop collars can be installed on any position on casing to limit the axial movement of centralizers and cement baskets.

### Usage

1. Fastening screw stop ring when use, first set into the casing, and then using a wrench to tighten the screws.
2. Fixed screw type when use, first set into the casing, and then insert screws, type in with a hammer.
3. Snap fit stop ring, direct stop ring button on the casing, use pin lock, then knocked into the screws

### Hinged Bolted Stop Collars

An economical collar suitable for sub-critical annular tolerances. Available in the size range 4" to 20", it has a cross bolt design which makes it an efficient and user friendly device

### Hinged Spiral Nail Stop Collars

Available in the size range 4" to 20", this device can be set in both upset and non-upset casing to provide maximum clearance during rotation. It has a groove in the middle into which a spiral nail can be driven for improved grip on the casing. The broader band firmly grips the collar into position around the casing.

### Hinged Stop Collars with Set Screw

Available in the size range 42" to 20", this device has a high cost-utility ratio. This hinged collar with a row of set screws positions easily and firmly around the casing

### Slip on Stop Collars with Set Screws

This slip-on set screw device is recommended for small hole operations.

Available in size range 2-7/8" to 20" and is gripped by a row of screws, this is a heavy duty device

## Cementing Plugs



PUYANG ZHONGSHI GROUP CO.,LTD manufactures cementing plug..... high performance materials such as rubbers and phenolic resins. Our cementing plugs are specially designed with a positive wiping action to ensure that the casing is clean, we have both conventional standard plugs and non-rotating plugs.

### Top Plugs:

The top cementing plug is designed to exert continuous pressure on the casing wall. The core is made of aluminium or phenolic depending on the application and well conditions. The tapered base fits the cavity of the bottom plug initiating a positive seal. A solid rubber top plug is also available.

### Bottom Plugs

Like the Top Cementing Plug, the fins and tail section provide positive wiping action. Fins also serve as a seal while cementing. The core of bottom plug is also made of special materials such as aluminium or phenolic resins depending on the application and well conditions. A rubber diaphragm at the top of bottom plugs ruptures after the plug is seated allowing cement to flow through.

### Technical Parameters:

Type	Sizes	Working Temperature	Working Pressure	Burst Pressure	Hardness
Top Plug & Bottom Plug	41/2", 51/2", 65/8", 7', 85/8", 95/8" Standard/Non rotating	-30°C to 150°C	≥15MP	1MP-2MP	75-95
	13-3/8", 20" Standard/Non rotating	-30°C to 150°C	≥10MP	1MP-2MP	75-95

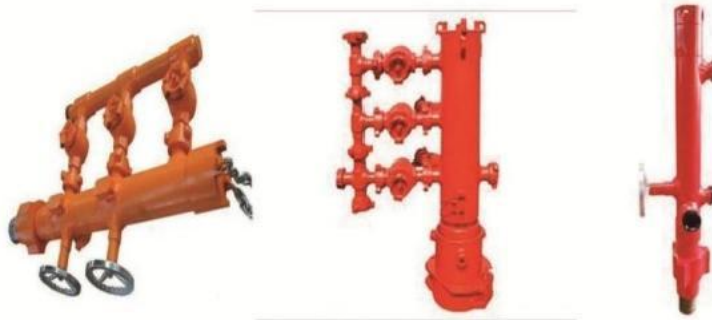
## Cement Basket



### Technical parameters of popular size:

Casing size In.	NO. of Bows	Total Length	Basket O. D		Min. Hole Size in
			in	mm	
41/2	10	241/2	121/2	317.5	6
5	10	241/2	13	342.9	6
51/2	12	241/2	131/2	342.9	71/4
65/8	12	241/2	145/8	371.5	83/8
7	14	241/2	15	381.0	83/8
75/8	14	241/2	155/8	396.9	91/2
85/8	16	241/2	165/8	422.3	105/8
95/8	18	241/2	175/8	447.7	115/8
103/4	18	241/2	183/4	476.3	123/4
113/4	20	241/2	193/4	501.7	133/4
113/8	24	241/2	213/8	542.9	151/2
16	28	241/2	24	609.6	18
185/8	34	241/2	265/8	676.3	205/8
20	34	241/2	28	711.2	22

## Cement Head



Special tool for pumping slurry and releasing plug. It can couple with two plugs simultaneously, and makes the drilling fluid fill into casing in turn and quickly. This can simplify the cementing operation, prevent cement pollution.

### Features:

1. Quick-atch adapter is designed to offer easier faster and safer makeup for cementing casing.
2. Able to couple with two plugs simultaneously and makes the drilling fluid fill into casing in turn and quickly. This can simplify the cementing operation and prevent cement pollution.
3. Positive lever indicates plug releasing
4. Balance pipe is developed.

### Technical Parameters

Specifications, mm	φ 139.7	φ 177.8	φ 193.7	φ 244.5	φ 273	φ 339.7
Overall-Length, mm	1950	2020	2020	2360	2360	2440
Manifold	2"Union					
I. D. of Plug Container, mm	φ 125	φ 160	φ 175	φ 225	φ 250	φ 320
Length of Plug Container, mm	400	450	450	550	550	600
Working Pressure, MPa	35.50	35.50	35.50	35.50	35	35

## Stage Collar



Stage cementer features inner-closing configuration, opening through pressure difference. The closing plug drives the closing sleeve to shut the circulation ports.

### Features:

API5CT

China Petroleum Department Standard SY/T5618-2000

APJRP10F rating

Opening pressure can be adjusted and it is not subjective to hole angle or mud properties for operation

The pressure-relief design prevents fluid trapping and compression during the opening phase of the tool's operation.

The I.D. of upper/lower sub is the same as that of casing, but smaller than that of closing sleeve, which can minimize chances of damages to the closing sleeve.

The inner seats are made of an easily drillable NBR rubber/aluminum material. Both the opening and closing seats lock against rotation for easy drill out.

### Technical Parameters:

Specifications, in	5 1/2"	7"	9 5/8"	13 3/8"
Max OD. . mm	φ 170	φ 208	φ 283	φ 381
Drill-out I. D. , mm	φ 122	φ 155	φ 220	φ 315
Overall Length, mm	1082	1182	1222	1280
Rated Load, t	140	170	210	300
Sealing Capacity, MPa	25	25	25	25
Opening Pressure, MPa	13	13	13	14
Closing Pressure, MPa	5	5	5	5
Lower Sliding Sleeve I. D. , mm	φ 85	φ 115	φ 176	φ 203
Upper Sliding Sleeve I. D. , mm	φ 95	φ 125	φ 197	φ 285

## Thread Protector



PUYANG ZHONGSHI GROUP CO.,LTD manufactures and supplies a wide range of thread protectors from 2-3/8"to 13-3/8"according to API 5CT standard,oversized thread protectors and special requirements can also be offered,our thread protectors are specially designed to protect the pipe thread and ends during normal handling or transportation,there are multiple types such as plastic thread protectors,composite thread protectors,pressed steel thread protectors and cast steel thread protectors.

### Technical Parameters:

Thread Protector	Size &Thread	Material	Operating Temperature
PIN&BOX Male & Female Connector	23/8", 27/8", 31/2" NU, EU	Full Plastic	-46°C to +66°C
	41/2", 5". 51/2" 65/8", 7", 75/8" 95/8", 133/8" STC, LC, BTC	Plastic Thread and Steel Shell	-46°C to +66°C

## Air Blaster



GKQP-B new fashioned air cannon is a new generation of new fashioned high temperature and high momentum air cannon. It's developed by our company with foreign advanced technology. Provide a more efficient clearing blocking solution for the high temperature silo's problems

### Primary Technical Parameters:

NO	Model	Capacity (L)	Exhaust Diameter (MM)	Working Temperature (°C)	Working Pressure (Mpa)	Impact Force (N)	Explosion Energy (N)	Weight (KG)
1	GKQP-B-75	75	108	-40-1200	0.4-0.8	4500-10000	123600	50
2	GKQP-B-100	100	108	-40-1200	0.4-0.8	5800-12600	129000	60
3	GKQP-B-150	150	108	-40-1200	0.4-0.8	6800-14600	221000	70
4	GKQP-B-170	170	108	-40-120C	0.4-0.8	800-15600	251000	75
5	GKQP-B-200	200	108	-40-1200	0.4-0.8	9800-17600	271000	85
6	GKQP-B-300	300	108	-40-1200	0.4-0.8	12000-19600	321000	110

