



CATALOG

FOR ON-SHORE WELLS' PUMPS, TUBES AND RODS



BAKU, AZERBAIJAN 2024

Specification

Sucker Rod

Grade: C、K、KD、D、HL、HY

Specs: 5/8、3/4、7/8、1、1-1/8、1-1/4、1-1/2



Coupling & Sub Coupling

Grade: T、SM

Specs: 5/8、3/4、7/8、1、1-1/8



Polished Rod

Specs: 1、1-1/8、1-1/4、1-1/2



Sinker Bar

Grade: 1、2、3、4

Specs: 1-1/4、1-3/8、1-1/2、1-5/8、1-3/4



Torque Sucker Rod

Grade: D、HL、HY

Specs: 3/4、7/8、1、1-1/8、1-1/4、1-1/2



Hollow Sucker Rod

Standard: SY/T5550-2012

Grade: C、D、HL、HY

OD of Rod Body: 32、34、36、38、40、42mm

Thickness of Rod Body Wall: 5.5、6.0mm



Tubing pump and insert pump

Spec: 106、125、150、175、225、275、325、375TH/RHBC/RHAM/RHBM



Sucker Rod



API GRADE	Minimum Yield Strength (psi)	Minimum Tensile Strength (psi)	Maximum Tensile Strength (psi)
K	60000	90000	115000
C	60000	90000	115000
D	85000	115000	140000
H(non API)	115000	140000	173339

Specification	Thread Size (in)	Connection Sucker Rod Size (in)	Length (ft)
5/8"	15/16	5/8	2-30
3/4 "	1-1/16	3/4	2-30
7/8"	1 -3/16	7/8	2-30
1"	1- 3/8	1	2-30
1-1/8"	1 -9/16	1 -1/8	2-30
1-1/4 "	1 -3/8	1	2-30
1-1/2"	1-9/16	1 -1/8	2-30

Recommended Metal Material:

API Grade	API Standard Series Steel	Standards Commonly Used Steel
K	AISI 46xx,AISI 47XX,AISI 43XX,	20Ni2MoA
C	AISI 41xx,AISI 15xx	20CrMoA
D	AISI41xx,AISI15xx,AISI 43XX,AISI 47XX,AISI31XX	30CrMoA,20CrMoA
H (non API) (非标准API标准)	AISI 4130,AISI4142	30CrMoA

Couplings and Sub-couplings

Specifications and Main Dimensions of Couplings



Couplings

Specification 规格	Connection Rod Size 连接杆尺寸(in)	Thread Size 螺纹尺寸 (in.)	OD 外径 (mm)	Length 长度 (mm)
5/8"	5/8	15/16	41.28	101.6
3/4"	3/4	1 -1/16	46.0	101.6
7/8"	7/8	1 -3/16	55.6	101.6
1"	1	1 -3/8	55.6	101.6
1-1/8"	1-1/8	1 -9/16	60.33	114.3



Spraying Couplings

Specifications and Main Dimensions of Sub couplings

Specifications	Thread Size (in.)	OD (mm)	Length (mm)	Class
5/8" × 3/4"	15/16- 1-1/16	41.3	101.6 114.3 127	T SM
3/4" × 7/8"	1 -1/16- 1-3/16	46.0		
7/8" × 1"	1-3/16- 1-3/8	55.6		
1-1/8" × 1"	1-9/16- 1-3/8	60.3		

Sinker Bar



Diameter	Pin Thread Size	Elevator Neck Diameter (mm)	Length (ft)
1-1/4"	5/8 SR	22.23	25
1-1/4"	3/4 PR	22.3	25
1-1/2"	3/4 SR	25.4	25

Torque Sucker Rod(used in the PCP pump)



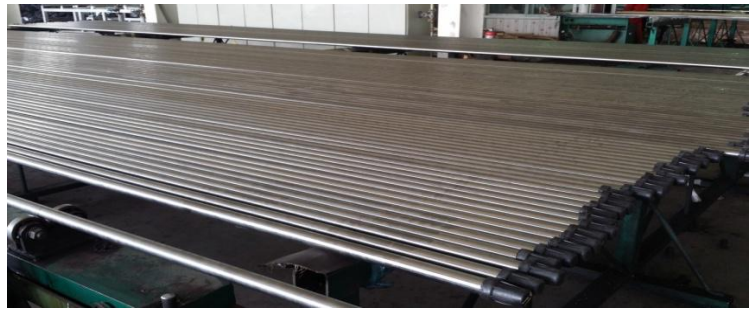
Specification	OD of Rod Body (mm)	GRADE	Maximum Torque Value (N.m)
KGF34	36±0.25	D、HL、HY	≥3600
KGF36	38±0.25	D、HL、HY	≥3600
KGF38	42±0.25	D、HL、HY	≥4000 ≥4800

Hollow Sucker Rod



Specification	OD of Rod Body (mm)	Thickness of Rod Body Wall (mm)	Nominal diameter of Thread (in)	Wrench Width (mm)	Length (ft)
KGF34	34	5.5	1-9/16	41	16-30
KGF36	36	6.0	1- 9/16	41	16-30
KGF38	38	6.0	1-3/4	46	16-30

Polished Rod



Specification	Length (ft)	Pin Thread Diameter(in)	Suitable for Sucker Rod Specifications(in)
1-1/2"	22 24 26 30	1-3/8 PR	1
1-1/4"		1-3/16 PR	7/8
1-1/8"		1 5/16PR 1-1/16 PR	5/8 , 3/4

Injection Molding Rod Guide



Standing Centralizer

Traveling Centralizer

Reference Data Only. Products can be designed according to the customer's requirement.

Rod Guide Specification	the Length Rod Guide (mm)	OD(mm)	Casting Material	PTEF Operating Temperature F
3/4"	90	58	PA66	400 Deg F
7/8"	90	58	PA66	400 Deg F
1"	90	72	PA66	400 Deg F

Wheeled Rod Guide (wheel material :PA66)

Specification	Length (mm)	OD (in)	Material of sucker Rod	Inner Dia (mm)
3/4"	75	1.5"	AISI4130	62
7/8"	75	1.625"	AISI4130	62
1"	90	2"	AISI4130	76

Subsurface Sucker Rod Pumps

Main productions are Integral Cylinder Subsurface Sucker Rod Pumps, Composite Cylinder Subsurface Sucker Rod Pumps, Long-plunger Subsurface Sucker Rod Pumps, and special pumps ,which are anti-corrosion, eccentric wear, pressurization, performance of heavy oil.

Main Specifications and Parameters of Rod Type Subsurface Sucker Rod Pumps



Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-150RHAC	38.10	0.6-6	1200	73	16
25-175RHAC	44.45	0.6-6	1200	73	16
30-225RHAC	57.15	0.6-6	1200	88.9	19
20-125RHAM	31.75	0.6-6	1200	60.3	16
25-150RHAM	38.10	0.6-6	1200	73	19
25-175RHAM	44.45	0.6-6	1200	73	19
30-225RHAM	57.15	0.6-6	1200	88.9	19

Main Specifications and Parameters of Integral Cylinder Subsurface Sucker Rod Pumps

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-125TH	31.75	0.6-6	1200	60.3 , 73	16
25-150TH	38.10	0.6-6	1200	60.3 , 73	16
25-175TH	44.45	0.6-6	1200	60.3 , 73	16
25-225TH	57.15	0.6-6	1200	73	19
30-275TH	69.85	0.6-6	1200	88.9	22
20-175THM	44.45	0.6-6	1200	60.3	16
25-225THM	57.15	0.6-6	1200	73	19
30-275THM	69.85	0.6-6	1200	88.9	19

Main Specifications and Parameters of Sand-proof Subsurface Sucker Rod Pumps

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-150THS	38.10	0.6-6.0	600-1500	73	16
25-175THS	44.45	0.6-6.0	600-1500	73	16/19
25-225THS	57.15	0.6-6.0	600-1500	73	19
30-275THS	69.85	0.6-6.0	600-1500	88.9	22

Main Specifications and Parameters of Corrosion-proof Subsurface Sucker Rod Pumps

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-125THF	31.75	0.6-6.0	600-1500	60.3/73	16
25-150THF	38.10	0.6-6.0	600-1500	60.3/73	16
25-175THF	44.45	0.6-6.0	600-1500	73	16/19
25-225THF	57.15	0.6-6.0	600-1500	73	19
30-275THF	69.85	0.6-6.0	600-1500	89	22

Main Specifications and Parameters of Long-plunger Subsurface Sucker Rod Pumps

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-150THCZS	38.10	3.0-6.0	3000-6000	73	19
25-175THCZS	44.45	3.0-6.0	3000-6000	73	16/19
25-225THCZS	57.15	3.0-6.0	3000-6000	88.9	19

Main Specifications and Parameters of Corrosion-resistant Subsurface Sucker Rod Pumps with Side Valve

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-175THPF	44.45	1.8-6.0	600-1500	73	19
25-225THPF	57.15	1.8-6.0	600-1500	73	19

Main Specifications and Parameters of Forced-closing-and-opening Subsurface Sucker Rod Pumps

Specification	Nominal Diameter (mm)	Stroke Range (m)	Length of Plunger (mm)	OD of Connecting Tube (mm)	Diameter of Connecting Rod (mm)
25-150THQB	38.10	0.6-6.0	1200	73	16
25-175THQB	44.45	0.6-6.0	1200	73	16/19
25-225THQB	57.15	0.6-6.0	1200	73	19

Product Packaging



Specification	KG/pcs	Net Weight(KG)	Gross Weight(KG)	Package Size (mm)	Pcs Per Package
25-175TH	74.9	1335	1873	5825x550x670	25
25-225TH	79.9	1972	2043	5860x550x740	25
25-275TH	121.5	2403	2491	5860x550x740	20