

Hydraulic Regenerative Subsurface Sucker Rod Pump

The pump makes the pressure of fluid column push on the plunger, thus helps the plunger down, achieving the purpose of hydraulic feedback. Resolving the problems that the down resistance of the bucket rod is great and the eccentric wear of the staff and tube preferably. It is fitting for the oil well where the sucker rod string is down hard because of the sticky crude oil and the eccentric wear of the staff and tube is serious .

Pump diameter(mm)	69.85/44.45 44.45/69.85 44.45/82.55
Connection tubing size	3-1/2TBG 2-7/8TBG
Plunger Length(mm)	1220/610
Stroke range	1.5~6m
Connection rod thread	CYG7/8

Basic type	Plunger length coefficient m	Outer dia. of coupling oil tube mm	Plunger stroke range mm	Pump coefficient m ³ /d	Dia. of connecting sucker rod mm
56/38	0.6 0.9 1.2	73.0	1.5.5.1	1.91	22
70/38		88.9		3.91	22
70/44		88.9		3.35	22
83/44		101.6		5.6	25
83/56		101.6		4.26	25
95/56		114.3		7.41	25

Pumping Pump for Slant Well Main Specifications and Parameters

Basic type m ³ /d	Pump dia		Plunger length series m	Extension nipple length m	Outer dia. of coupling oil tube mm	Plunger stroke range mm	Pump constant m ³ /d	Dia. of connecting sucker rod mm
	Nominal dia (mm)	Basic dia (mm)						
25-125	32	31.6	0.6 0.9 1.2 1.5	0.3 0.6 0.9	60.3.73.0	0.6-6	1.140	16
25-150	38	38.1			60.3.73.0	0.6-6	1.642	16/19
25-176	44	44.5			60.3.73.0	0.6-6	2.235	19
25-225	57	57.2			73.0	0.6-6	3.649	22
25-275	70	69.9			88.9	0.6-6	5.518	22

orced-closing-and-opening Pump for Viscous Oil Main Specifications and Parameters

Basic type	Pump dia.		Plunger length series m	Extension nipple length m	Outer dia. of coupling oil tube mm	Plunger stroke range mm	Pump constant m ³ /d	Dia. of connecting sucker rod mm
	Nominal dia (mm)	Basic dia (mm)						
25-150	38	38.1	0.9 1.2	0.3 0.6 0.9	73.0	1.5-6	1.63	19
25-175	44	44.5			73.0		2.19	19
25-225	57	57.2			73.0		3.54	22
25-275	70	69.9			88.9		5.54	22
25-325	83	82.6			101.6		7.79	25

Anti-gas Pumping Pump Main Specifications and Parameters

Basic type	Pump dia.		Plunger length series m	Extension nipple length m	Outer dia. of coupling oil tube mm	Plunger stroke range mm	Pump constant m ³ /d	Dia. of connecting sucker rod mm
	Nominal dia (mm)	Basic dia (mm)						
20-125	32	31.75	0.6 0.9 1.2 1.5	0.3 0.6 0.9	60.3.73.0	0.6-6	1.140	16
25-150	38	38.10			60.3.73.0	0.6-6	1.642	16/19
25-175	44	44.2			60.3.73.0	0.6-6	2.235	19
25-225	57	57.2			73.0	0.6-6	3.649	22
25-275	70	69.9			88.9	0.6-6	5.518	22
25-325	83	82.6			101.6	1.26	7.707	22
25-375	95	95.3			114.3	1.2-6	10.261	25

Anti- dirt Pumping Pump Main Specifications and Parameters

Basic type	Pump dia.		Plunger length series m	Extension nipple length m	Outer dia. of coupling oil tube mm	Plunger stroke range mm	Pump constant m ³ /d	Dia. of connecting sucker rod mm
	Nominal dia (mm)	Basic dia (mm)						
20-125	32	31.75	0.6 0.9	0.3 0.6	60.3.73.0	0.6-6	1.140	16
25-150	38	38.10	1.2 1.5	0.9	60.3.73.0	0.6-6	1.642	16/19
25-175	44	44.2 44.5			60.3.73.0	0.6-6	2.235	19
25-225	57	57.2			73.0	0.6-6	3.649	22
30-275	70	69.9			88.9	0.6-6	5.518	22
35-325	83	82.6			101.6	1.26	7.707	22
40-375	95	95.3			114.3	1.2-6	10.261	25