

# Tube Puller HPR20-CP1000

HPR20-CP1000 is a machine designed to pull tube stubs from heat exchangers in the oil refinery industry, and we recommend it for removing heavy wall tubes. The device uses modern spear-type jaws for smooth and fast pulling. HPR20-CP1000 is convenient and fast in operation with low operating costs. HPR20-CP1000 delivers capacity from 5/8" to 1" gauge 10 to 16, with max pulling force up to 20 tons from the tube sheet up to 2,5" (63 mm)



WORKING RANGE	PULLING FORCE	PULLING STROKE	PULLING SPEED
15,8 to 25,4 mm	200 kN	100 mm	34 mm/sec
5/8" to 1"	20 T	4"	1,33"/sec.
BODY DIMENSIONS		BODY WEIGHT	
4,7" x 31,5"	120 x 800 mm	85 Lbs	22 kg

## UNIQUE DESIGN

The device uses modern spear-type jaws for smooth and fast pulling and offers high capacity in operating range.



Tube OD		Tube gauge	Gripper Set	Draw Mandrel	Nose Piece	Jaw o'ring	NS Joint	Adapter	Max Force	Pump (700 Bar)
[inch]	[mm]	[BWG]								
5/8"	15,8	14	CP-1500-01-58-14	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		15	CP-1500-01-58-15	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		16	CP-1500-01-58-16	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		17	CP-1500-01-58-17	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		18	CP-1500-01-58-18	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		19	CP-1500-01-58-19	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		20	CP-1500-01-58-20	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		21	CP-1500-01-58-21	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		22	CP-1500-01-58-22	CP-15-02-58	CP-15-03-58	CP-15-058	CP-15-06-58	CP-15-07-34	15 ton	CPPZ-4W
		3/4"	19,05	12	CP-1500-01-34-12	CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34
13	CP-1500-01-34-13			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
14	CP-1500-01-34-14			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
15	CP-1500-01-34-15			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
16	CP-1500-01-34-16			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
17	CP-1500-01-34-17			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
18	CP-1500-01-34-18			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
19	CP-1500-01-34-19			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
20	CP-1500-01-34-20			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
21	CP-1500-01-34-21			CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
7/8"	22,2	12	CP-1500-01-78-12	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		13	CP-1500-01-78-13	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		14	CP-1500-01-78-14	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		15	CP-1500-01-78-15	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		16	CP-1500-01-78-16	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		17	CP-1500-01-78-17	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
18	CP-1500-01-78-18	CP-15-02-78	CP-15-03-78	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W		

# Tube Puller HPR20-CP1000

Tube OD		Tube gauge	Gripper Set	Draw Mandrel	Nose Piece	Jaw o'ring	NS Joint	Adapter	Max Force	Pump
[inch]	[mm]	[BWG]								(700 Bar)
1"	25,4	8	CP-1500-01-1-8	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		8	CP-1500-01-1-9	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		10	CP-1500-01-1-10	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		11	CP-1500-01-1-11	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		12	CP-1500-01-1-12	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		13	CP-1500-01-1-13	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		14	CP-1500-01-1-14	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		15	CP-1500-01-1-15	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		16	CP-1500-01-1-16	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		17	CP-1500-01-1-17	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
		18	CP-1500-01-1-18	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W
19	CP-1500-01-1-19	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W		
20	CP-1500-01-1-20	CP-15-02-1	CP-15-03-1	CP-15-034	CP-15-06-34	CP-15-07-34	30 ton	CPPZ-4W		

## RECOMMENDED PUMPS

Three pump choice with parameters of 700 bar (1000 psi) oil delivery at high pressure 0,9 to 1,1 l/min:

- ▶ electric 230 V standard type
- ▶ electric 230 V with oil cooler
- ▶ pneumatic 1,4 cu.m/min at 6 bar



## SPINAIR COMPATIBILITY



Tube puller may cooperate with SpinAir-2H with spherical rolls .