

Tube Puller HPR20-CP1500

Unit designed to pull stubs in the refinery industry. An ideal tool to pull heavy wall tubes and stubs from the heat exchangers. Unique machine design is based on the idea of replacing the traditional, slow and cumbersome method, with spear type puller. HPR20-CP1500 delivers capacity from 5/8" to 1-1/4" gauge 10 to 16, with max pulling force up to 30 ton from the tube sheet up to 2,5" (63 mm) HPR20-CP1500 is easy and fast in operation with lower operating costs.



PULLING FORCE		PULLING STROKE		PULLING SPEED	
300 kN		160 mm		34 mm/sec	
30 T		6"		1,33"/sec.	
BODY DIMENSIONS			BODY WEIGHT		
4,7" x 31,5"		120 x 800 mm		85 Lbs / 39 kg	



UNIQUE DESIGN
Unique gripper design is close to spear type pulling capacity in its tube gauge.



SPINAIR COMPATIBILITY
Tube puller may co operate with SpinAir-2H with spherical rolls .



CPPZ-4W PUMPS
KRAIS 4 way hydraulic pumps have been specifically designed to operate this tube puller.

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
3/4"	19,05	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
		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	20 ton	CPPZ-4W
		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
7/8"	22,2	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
		22	CP-1500-01-34-22	CP-15-02-34	CP-15-03-34	CP-15-034	CP-15-06-34	CP-15-07-34	20 ton	CPPZ-4W
		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
7/8"	22,2	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 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
1-1/8"	28,5	8	CP-1500-01-118-8	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		9	CP-1500-01-118-9	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		10	CP-1500-01-118-10	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		11	CP-1500-01-118-11	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		12	CP-1500-01-118-12	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		13	CP-1500-01-118-13	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		14	CP-1500-01-118-14	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		15	CP-1500-01-118-15	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		16	CP-1500-01-118-16	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		17	CP-1500-01-118-17	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		18	CP-1500-01-118-18	CP-15-02-118	CP-15-03-118	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
1-1/4"	31,7	8	CP-1500-01-317-8	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		9	CP-1500-01-317-9	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		10	CP-1500-01-317-10	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		11	CP-1500-01-317-11	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		12	CP-1500-01-317-12	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		13	CP-1500-01-317-13	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
		14	CP-1500-01-317-14	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W
14	CP-1500-01-317-15	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W		
16	CP-1500-01-317-16	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W		
17	CP-1500-01-317-17	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W		
18	CP-1500-01-317-18	CP-15-02-114	CP-15-03-114	CP-15-114	CP-15-06-114	CP-15-07-114	30 ton	CPPZ-4W		