

HYDRAULIC OPERATED SPEAR

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HYDRAULIC OPERATED SPEAR TYPE TUBE PULLER FOR HEAT EXCHANGER AND BOILER TUBES

The hydraulic spear model tube puller is used to remove tubes from heat exchangers before re-tubing without damaging the tube sheet holes. The spear is screwed into the relevant tube by means of an impact wrench or slow running nutrunner motor.



The hydraulic cylinder with collar and quick action chuck is placed over the puller mandrel. The jaws are then closed around the thread on the puller mandrel by manual operation. The tube is now ready to be removed by actuating the hydraulic ram.

SPEAR TYPE TUBE PULLER

Tube Size O.D. and GA	Model ① Spear no.	Collar ④ no.	Diameter small end	Diameter large end	Square	Thread on rear end of spear	Jaw ③ no.	Adapter ②
1/2"-12-16BWG	HTP-1	HPC-1/2"	.276" 7 mm	.407" 10.3 mm	5/8"	M19x2	M19x2	3/4" x 5/8" OR 1" x 5/8"
1/2"-15-22BWG & 5/8"-10-13BWG	HTP-2	HPC-1/2"	.354" 9 mm	.485" 12.3 mm	5/8"	M19x2	M19x2	
5/8"-13-18BWG & 3/4"-9-12BWG	HTP-3	HPC-5/8"	.453" 11.5 mm	.584" 14.8 mm	5/8"	M19x2	M19x2	
5/8"-18-24BWG & 3/4"-12-15BWG	HTP-4	HPC-5/8"	.531" 13.5 mm	.663" 16.8 mm	5/8"	M19x2	M19x2	
3/4"-15-19 BWG, 7/8"-11-13BWG & 1"-7-8BWG	HTP-5	HPC-3/4"	.571" 15.5 mm	.741" 18.8 mm	5/8"	M19x2	M19x2	
7/8"-13-17BWG & 1"-8-11BWG	HTP-6	HPC-7/8"	.689" 17.5 mm	.820" 20.8 mm	3/4"	M25x2	M25x2	3/4" x 3/4" OR 1" x 3/4"
1"-11-14BWG & 1 1/8"-7-9BWG	HTP-7	HPC-1"	.748" 19 mm	.879" 22.3 mm	3/4"	M25x2	M25x2	
1"-14-20BWG & 1 1/8"-9-12BWG	HTP-8	HPC-1"	.846" 21.5 mm	.978" 24.8 mm	3/4"	M25x2	M25x2	
1 1/8"-12-15 BWG	HTP-9	HPC-1 1/8"	.905" 23 mm	1.037" 26.3 mm	3/4"	M25x2	M25x2	
1 1/8"-15-24 BWG & 1 1/4"-8-10BWG	HTP-10	HPC-1 1/8"	1.004" 25.5 mm	1.135" 28.8 mm	3/4"	M25x2	M25x2	1" x 3/4"
1 1/4"-14-18 BWG	HTP-11	HPC-1 1/4"	1.083" 27.5 mm	1.214" 30.8 mm	3/4"	M25x2	M25x2	
1 1/4"-18-24 BWG & 1 1/2"-8-10 BWG	HTP-12	HPC-1 1/4"	1.161" 29.5 mm	1.293" 32.8 mm	1"	M30x2	M30x2	1" x 1" OR 1 1/2" x 1"
1 1/2"-10-13 BWG	HTP-13	HPC-1 1/2"	1.240" 31.5 mm	1.371" 34.8 mm	1"	M30x2	M30x2	
1 1/2"-13-17 BWG	HTP-14	HPC-1 1/2"	1.319" 33.5 mm	1.450" 36.8 mm	1"	M30x2	M30x2	

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HYDRAULIC RAM FOR SPEAR TYPE TUBE PULLER



- Model no. : RRH-306-155-SP-30
- Lightweight Hydraulic Double Acting Ram.
- Capacity : 30 ton pulling power at 700 bar.
- Stroke : 155 mm (6")
- Cylinder O.D. : 120 mm (4 3/8")
- Length : 440 mm (17 3/8")
- Weight : 25 kg (55 lbs)

ADAPTER



②

JAW



③

COLLAR



④