

STUB PULLING SYSTEMS

- SUBZERO offers stub pulling machine for removal of cut stubs from tube sheet of U-tube bundle, Heat Exchanger & Straight tube boiler.
- Suitable for big maintenance or shutdown jobs.
- Compact size.
- Available in electric or pneumatic versions.
- Interchangeable pulling gun with same power pack.
- Pulling gun communicates with power pack via 24VDC control cable.
- Removes stubs without damaging the tube sheet.
- Low setup time and ease of operation.
- Auto switch over from low pressure high flow to high pressure - low flow on load and again back to low pressure – high flow when load is released.
- Compact & ergonomic design of gun & power pack.
- Capacity to pull up to 4" stub.
- Low maintenance cost and world wide availability of components.
- Significant saving of time over conventional method of tube removal.
- Unit is portable with handle and mounted on four wheels for easy handling.
- Unit will pull stubs effortlessly, needing only one man for operation.



SPECIFICATION	TUBE RUNNER - 2	TUBE RUNNER - 3
INPUT	3 Phase 415+/- 10%V	3 Phase 415+/- 10%V
POWER	1.49 K.W., 2H.P, 1440 rpm	2.2 K.W., 3H.P, 1440 rpm
MAX WORKING PRESSURE	350 bar	350 bar
WEIGHT WITHOUT OIL	70 kg	120 kg
CONTROL VOLTAGE	24 Volt DC	24 Volt DC
HYDRAULIC HOUSE	1/4" I.D x 5m long	1/2" I.D x 5m long
DIAMENSION (L X W X H)	520 x 320 x 580 mm	575 x 320 x 785 mm



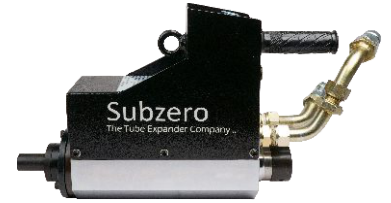
TUBE RUNNER - 2



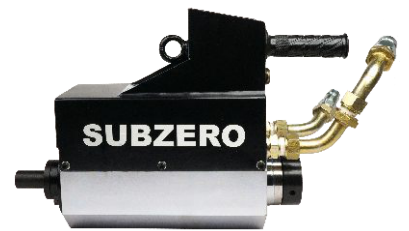
TUBE RUNNER - 3

STUB PULLING GUN SPECIFICATION

SPECIFICATION	STUB PULLER 15	STUB PULLER 30	STUB PULLER 45
Max. Capacity	15	30	45
Stroke Length (mm)	150	150	150
Max. Dia. Through (inches)	1"	1 ½ "	3 "
Weight (kg)	26	38	78
Max Working Pressure (bar)	350	350	350
Dimension (mm) (L X W X H)	453 X 255 X 270	640 X 260 X 300	495 X 332 X 350



STUB PULLER 15



STUB PULLER 30

TUBE PULLING CONSUMABLES

ITEMS	SPECIFICATION FOR ORDERING
Short Spear	OD & ID of tube
Male Female Extension	OD of tube & pulling gun model
Double Pull	OD of tube & pulling gun model
Horse Shoe Lock	OD of tube & pulling gun model

MODEL	TUBE O.D. Inch	THICKNESS Gauge	MODEL	TUBE O.D. Inch	THICKNESS Gauge
SS-0916	3/8	16	SS-1918	3/4	18
SS-0918	3/8	18	SS-1920	3/4	20
SS-0920	3/8	20	SS-2212	7/8	12
SS-0922	3/8	22	SS-2214	7/8	14
SS-1214	1/2	14	SS-2216	7/8	16
SS-1216	1/2	16	SS-2220	7/8	20
SS-1218	1/2	18	SS-2509	1	9
SS-1220	1/2	20	SS-2510	1	10
SS-1222	1/2	22	SS-2512	1	12
SS-1512	5/8	12	SS-2514	1	14
SS-1514	5/8	14	SS-2516	1	16
SS-1516	5/8	16	SS-2518	1	18
SS-1518	5/8	18	SS-2520	1	20
SS-1520	5/8	20	SS-3112	1 ¼	12
SS-1911	3/4	11	SS-3114	1 ¼	14
SS-1912	3/4	12	SS-3116	1 ¼	16
SS-1914	3/4	14	SS-3118	1 ¼	18
SS-1916	3/4	16	SS-3120	1 ¼	20



SHORT SPEAR



TRIPLE PULL



HORSE SHOE LOCK