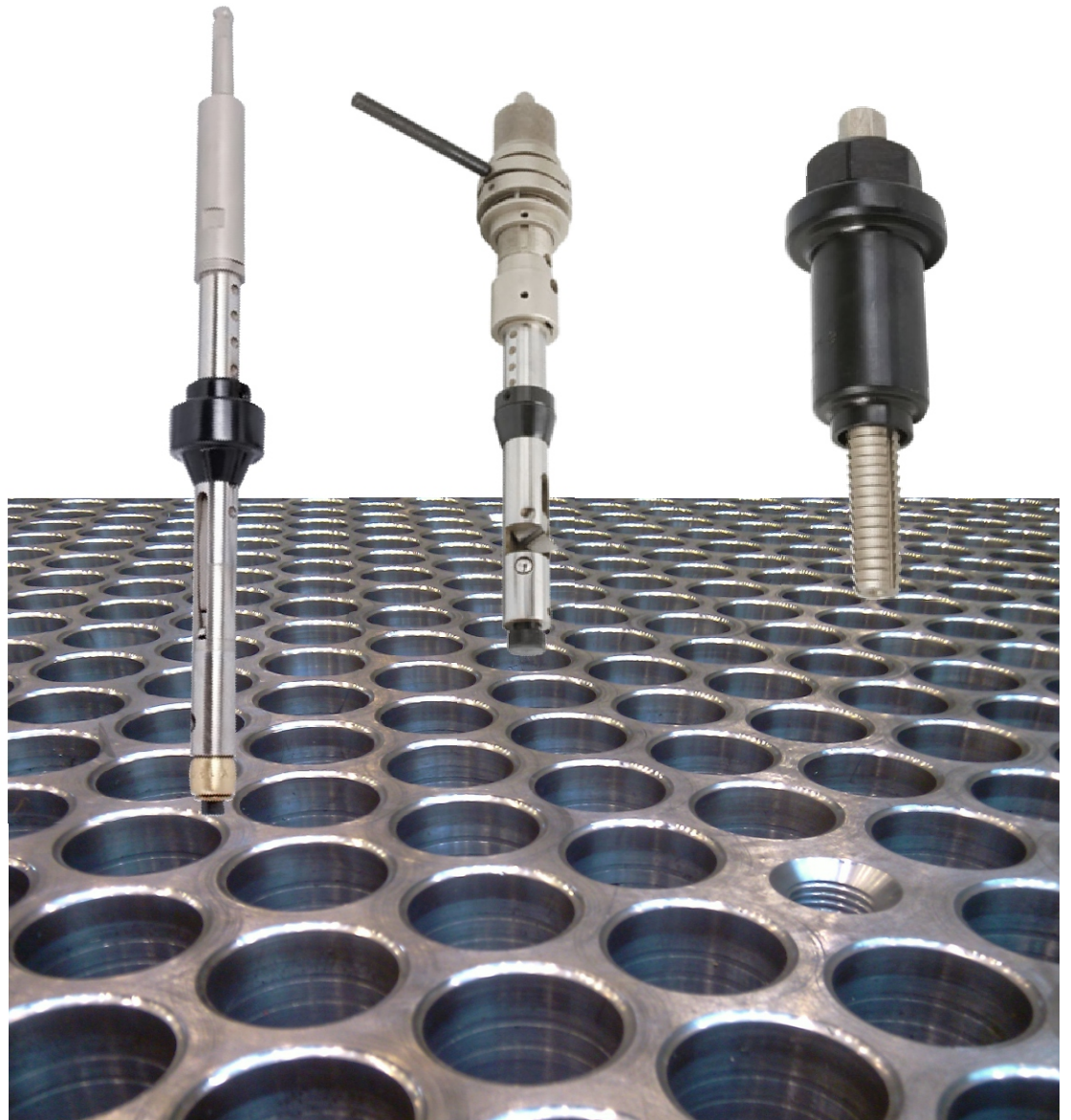


TUBE REMOVAL TOOLS



TUBE TOOLS



Manufacturer & Exporter of:
Tube Cleaning Equipments such as Flexible Shafts,
Brushes, Cutters, Tube Expanders, Construction Equipments
Concrete Vibrators, Flexible shaft Grinders & Accessories.

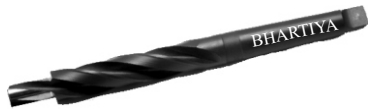
TUBE REMOVAL TOOLS



TUBE TOOLS

TUBE WALL REDUCER FEATURES:

- Wall reducers available for mm tube sizes also. Please enquire.
- Wall reducers are suited for tube sheets up to 5" thick. Longer reaches are available.
- Its is used to 'thin' the walls of heavy gauge tubes as a step in their removal from tube sheet.



Sizes Available : 3/8" O.D. To 4" O.D.

TUBE DRIFT/KNOCK OUT TOOL FEATURES:

- Tube drifts are available for mm tube sizes also. Please enquire.
- It is used with pneumatic chipping hammer to knock out tubes/ tube stubs form tube sheet.
- Available in 01 & 06 shanks as standard. 15 (Jumbo) shank available on request.



Sizes Available : 3/8" O.D. To 4" O.D.

COLLAPSING TOOL FEATURES:

- Collapsing tools are used to collapse tube & drive out collapsed tube from tube sheet with chipping hammer.
- Available on 01 to 06 shanks
- Collapsing tools are available for mm tube sizes. Please inquire



Sizes Available : 3/8" O.D. To 2.1/2" O.D.

Tube O.D. Inch	Model Number	MT Shank #
3/8	WR-375	1
	WR-500	2
5/8	WR-625	2
3/4	WR-750	2
7/8	WR-875	3
1	WR-1000	3
1.1/4	WR-1250	3
	WR-1500	3
1.3/4	SH-1750	3
2	SH-2000	3
2.1/2	SH-2500	4
2.3/4	SH-2750	4
3	SH-3000	4
3.1/4	SH-3250	4
3.1/2	SH-3500	4
4	SH-4000	4

Tube O.D. Inch	Model Number
3/8	KT-375
1 /2	KT-500
5/8	KT-625
3/4	KT-750
7/8	KT-875
1	KT-1000
1.1/4	KT-1250
1.1/2	KT-1500
1.3/4	KT-1750
2	KT-2000
2.1/2	KT-2500
2.3/4	KT-2750
3	KT-3000
3.1/4	KT-3250
3.1/2	KT-3500
4	KT-4000

Tube O.D. Inch	Model Number
3/8	CT-375
1 /2	CT-500
5/8	CT-625
3/4	CT-750
7/8	CT-875
1	CT-1000
1.1/4	CT-1250
1.1/2	CT-1500
1.3/4	CT-1750
2	CT-2000
2.1/2	CT-2500

PNEUMATIC CHIPPING GUN:

FEATURES:

- Upto 1600 blows per minute
- Within stroke of 3.1/4" the unit weight approx. 16lb/7Kg
- Comes with a safety retaining mechanism to work with the tube knockout and collapsing tools.



TUBE REMOVAL TOOLS



TUBE TOOLS

✦ PUSH TYPE INTERNAL TUBE CUTTER- B ATP SERIES

FEATURES:

- BHARTIYA "Push Type" internal tube cutter quickly cuts through the walls of ferrous tubes in condensers and Heat exchanger as step in their removal from the tube sheet.
- This sturdy "Push Type" internal tube cutters can be used with a portable Electric or Air Drill Motor.
- "Push Type" cutter is simple to operate. Merely insert it into the tube. Apply power press inward and the tube can be cut in few seconds. Releasing of inward pressure automatically retracts the Cutter Bit. This cutter is equipped with an adjustable collar suitable for reaching into tubes at various depths.
- The replaceable cutting bit can be interchanged in a few seconds. Standard adjustable reach is 4" (101.6mm) and they are available in optional



Sizes Available : 5/8" O.D. To 1.1/2" O.D.

Tube O.D.	Tube Gauge (BWG)	Spare cutting Bit Model No.	Tube Cutter Model No. (Std. Reach)
5/8"	14 - 22	BATP-625-SB	BATP-625
3/4"	14 - 22	BATP-750-SB	BATP-750
7/8"	14 - 22	BATP-875-SB	BATP-875
1"	12 - 22	BATP-1000-SB	BATP-1000
1.1/4"	12 - 22	BATP-1250-SB	BATP-1250
1.1/2"	12 - 22	BATP-1500-SB	BATP-1500

✦ TUBE PLUGS

FEATURES:

- Tube plugs are designed for sealing off leaking or damaged tubes in heat exchanger, condensers, boilers etc. It ensures a uniform joint without damaging the tube sheet.
- Note: Tube plugs are available in a variety of materials like carbon steel, brass, stainless steel, fibre etc. Specify material needed when ordering.



One Piece



Two Piece

Tube O.D.		One Piece Tube Plug Model No.	Two Piece Tube Plug Model No.
Inch	Mm		
3/8	9.53	BPLG-375-1	-
1/2	12.70	BPLG-500-1	BPLG-500-2
5/8	15.87	BPLG-625-1	BPLG-625-2
3/4	19.05	BPLG-750-1	BPLG-750-2
7/8	22.22	BPLG-875-1	BPLG-875-2
1	25.40	BPLG-1000-1	BPLG-1000-2
1.1/4	31.75	BPLG-1250-1	BPLG-1250-2
1.1/2	38.10	BPLG-1500-1	BPLG-1500-2

TUBE REMOVAL TOOLS



TUBE TOOLS

✦ INTERNAL TUBE CUTTER - BPR 68 SERIES

FEATURES:

- The internal tube cutter BPR-68 is driven via the square in a clockwise direction using either an electric, pneumatic, or hydraulic driving machine.
- BPR-68 tube cutters are ideal for cutting thick walled boiler tubes of 2" O.D. & higher.
- BPR-68 type tube cutters are available in standard reach of 4" (100mm). Additional reaches in increments of 4" are available up to 16" (400mm)



Sizes Available : 1/2" O.D. To 4.1/2" O.D.

Tool Model Number	Size	Spare Bit Model Number	Tube I.D. Range		Max. Tube O.D.		Body Diameter		Drive Square Male
			Inch	Mm	Inch	Mm	Inch	Mm	
0680951	095	1680951	.394 - .472	10 - 12	.591	15	.374	9.5	1/2"
0681051	105		.433 - .512	11 - 13	.709	18	.413	10.5	
0681151	115	1681151	.472 - .551	12 - 14	.748	19	.453	11.5	
0681251	125	1681251	.519 - .591	13 - 15	.787	20	.492	12.5	
0681351	135		.551 - .669	14 - 17	.906	23	.531	13.5	
0681551	155		.630 - .748	16 - 19	.984	25	.610	15.5	
0681751	175		1681751	.709 - .827	18 - 21	1.063	27	.689	
0681951	195	1681951	.787 - .984	20 - 25	1.339	34	.768	19.5	
0682451	245	1682451	.984 - .181	25 - 30	1.496	38	.965	24.5	
0682901	290	1682901	1.181 - .376	30 - 35	1.963	43	1.142	29	
0683301	330		1.378 - 1.575	35 - 40	1.890	48	1.299	33	
0683801	380		1.575 - 1.969	40 - 50	2.126	58	1.496	38	
0684801	480	1684801	1.969 - 2.362	50 - 60	2.677	68	1.890	48	3/4"
0685301	530		2.165 - 2.559	55 - 65	2.874	73	2.087	53	
0686301	630		2.559 - 2.953	65 - 75	3.268	83	2.480	63	
0687301	730	1687301	2.953 - 3.346	75 - 85	3.661	93	2.874	73	
0688301	830		3.346 - 3.740	85 - 95	4.055	103	3.268	83	
0689301	930		3.740 - 4.134	95 - 105	4.449	113	3.661	93	

✦ ONE REVOLUTION INTERNAL TUBE CUTTER- BOTC SERIES

FEATURES:

- This one revolution Internal Tube Cutter is designed for hand operation using a ratchet handle.
- BHARTIYA "One Revolution" Internal Tube Cutter pierces and cuts off non-ferrous tubes in one revolution.
- The cutter tool Bit operates on an eccentric principle. The tube cutter is entered in the tube with the Tool Bit closed position, ratchet is applied and turned in clockwise direction. The Tool bit contacts the tube during the one revolution & pierces the tube wall & as turning is continued the Tool Bit shares through the Tube along its circumference. This cutter is fitted with an adjustable collar enabling it to reach into tubes at various distances and they are available in optional increments of 2" (50.8mm). Standard adjustable reach is 6" (152.4mm). "A" reach = 8" (203.2), B reach = 10" (254.0mm), C reach = 12" (304.8mm) etc.



Sizes Available : 5/8" O.D. To 2.1/2" O.D.

TUBE REMOVAL TOOLS



TUBE TOOLS

✦ MANUAL TUBE PULLER

FEATURES:

- Simple Design: Only two major parts reduce inventory
- No power needed: Manual insertion and removal of tube with a hand wrench. Ideal for field service application.
- Ease of use: Hex at back of spear allows tightening without disassembly of thrust mechanism.
- Range of Sizes: A wide range of sizes allows use on popular tube size. Clarity of marking: Both spear & thrust collar are clearly marked for last relating tool to job
- Larger sizes can be made available on request.



Sizes Available : 1/4" O.D. To 1" O.D.

Tube Size							Tube Puller Model Number	Spare Spear Model Number
O. D.		BWG	Wall Thickness		I.D.			
Inch	Mm		Inch	Mm	Inch	Mm		
1/4	6.35	18	.049	1.24	.152	3.86	BMTP-25-18	BMPS-25-18
3/8	9.52	16	.065	1.65	.245	6.22	BMTP-38-16	BMPS-38-16
3/8	9.52	18	.049	1.24	.277	7.04	BMTP-38-18	BMPS-38-18
3/8	9.52	20	.035	0.88	.305	7.75	BMTP-38-20	BMPS-38-20
1 / 2	12.70	14	.083	2.11	.334	8.48	BMTP-50-14	BMPS-50-14
1 / 2	12.70	16	.065	1.65	.370	9.40	BMTP-50-16	BMPS-50-16
1 / 2	12.70	18	.049	1.24	.402	10.21	BMTP-50-18	BMPS-50-18
1 / 2	12.70	20	.035	0.88	.430	10.92	BMTP-50-20	BMPS-50-20
5/8	15.88	14	.083	2.10	.459	11.66	BMTP-63-14	BMPS-63-14
5/8	15.88	16	.065	1.65	.495	12.57	BMTP-63-16	BMPS-63-16
5/8	15.88	18	.049	1.24	.527	13.39	BMTP-63-18	BMPS-63-18
5/8	15.88	20	.035	0.88	.555	14.10	BMTP-63-20	BMPS-63-20
3/4	19.05	14	.083	2.10	.585	14.86	BMTP-75-14	BMPS-75-14
3/4	19.05	16	.065	1.65	.620	15.75	BMTP-75-16	BMPS-75-16
3/4	19.05	18	.049	1.24	.652	16.56	BMTP-75-18	BMPS-75-18
3/4	22.22	20	.035	0.88	.680	17.27	BMTP-75-20	BMPS-75-20
7/8	22.22	14	.083	2.10	.709	18.01	BMTP-87-14	BMPS-87-14
7/8	22.22	16	.065	1.65	.745	18.92	BMTP-87-16	BMPS-87-16
7/8	22.22	18	.049	1.24	.777	19.74	BMTP-87-18	BMPS-87-18
7/8	25.40	20	.035	0.88	.805	20.45	BMTP-87-20	BMPS-87-20
1	25.40	14	.083	2.10	.834	21.18	BMTP-100-14	BMPS-100-14
1	25.40	16	.065	1.65	.870	22.10	BMTP-100-16	BMPS-100-16
1	25.40	18	.049	1.24	.902	22.91	BMTP-100-18	BMPS-100-18
1	25.40	20	.035	0.88	.930	23.62	BMTP-100-20	BMPS-100-20

TUBE REMOVAL TOOLS



TUBE TOOLS

✦ 'PINE JENNY' STYLE TUBE PULLING ACCESSORIES:

PINE JENNY TUBE SPEARS



Sizes Available : 3/8" O.D. TO 1" O.D.

TUBE SPEAR



Sizes Available : 1.1/4" O.D. TO 3" O.D.

Tube OD Inch	Model Number	BWG
3/8"	S-0916	16-17
3/8"	S-0918	18-19
3/8"	S-0920	20-21
3/8"	S-0922	22-24
5/8"	S-1212	12-13
5/8"	S-1214	14-15
5/8"	S-1216	16-17
5/8"	S-1218	18-19
5/8"	S-1220	20-21
3/4"	S-1911	11-13
3/4"	S-1914	14-15
3/4"	S-1916	16-17
3/4"	S-1918	18-19
3/4"	S-1920	20-21
7/8"	S-2212	12-13
7/8"	S-2214	14-15
7/8"	S-2216	16-17
7/8"	S-2218	18-19
7/8"	S-2220	20-21

Tube OD Inch	Model Number	BWG
1	S-2509	9
1	S-2510	10-11
1	S-2512	12-13
1	S-2514	14-15
1	S-2516	16-17
1	S-2518	18-19
1	S-2520	20-21
1-1/4	S-3112	12-13
1-1/4	S-3114	14-15
1-1/4	S-3116	16-17
1-1/4	S-3118	18-19
1-1/4	S-3120	20-21
1-1/2	S-3814	14-16
1-1/2	S-3817	17-20
1-3/4	S-4414	14-18
2	S-5014	14-18
2-1/2	S-5714	14-18
3	S-7610	10-14

B3053-3 SINGLE PULL ADAPTOR



B3055-6 DOUBLE PULL ADAPTOR



TUBE REMOVAL TOOLS



TUBE TOOLS

B3055-5 MALE X MALE EXTENSION



B3055-5 MALE X FEMALE EXTENSION



B3055-4 HORSE SHOE LOCK



EXTENSION CHAIRS



Model	Tube O.D.
80-3055-7	1.1/4"-1.1/2"
80-36307	1.3/4"
80-36308	2"-2.1/4"
80-36309	2.1/2"
80-36310	2.3/4"-3"

- Note: All the above items are compatible for use with Tube Pulling Systems of Airetool, Wilson, Elliot & other manufacturers of "Pipe Jenny" style systems.
- Extensions chair is sized to allow tube being pulled to enter I.D. Of chair, spears, Adaptors, Male x Male extension, Horse Shoe Lock & Extension Chair are needed for sizes 1.1/4" O.D. And larger. Male x Female Extensions are used for longer reach. Consult us for sizes not listed here.

Note: For details of model nos of tools, please contact us.

BHARTIYA INDUSTRIES

WORKS: PLOT NO. 268, DIGVIJAY INDUSTRIAL ESTATE NO.2.
UPAVAN, POKHARAN ROAD NO.1, THANE (W) M.S. INDIA - 400603.
PH.: +91-22-2585 4509, 90290-05461 FAX: +91-22-2585 4509.

Website: www.tubecleaner.co.in, www.bharatiyaindustries.com, E-mail: bharatflex@yahoo.com

Authorised Dealer