





TUBE REMOVALS TOOLS



TUBE REMOVAL TOOLS

3/8"-4"
O.D.



TUBE WALL REDUCER

- Features :**
- Used to 'thin' the walls of heavy gauge tubes as a step in their removal from tube sheet.
 - Suffix model number with tube gauge when ordering. Example for 3/4"O.D. 16G, model number will be WR-750-16.
 - 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.



TUBE DRIFT/KNOCKOUT TOOL

- Features :**
- Used with pneumatic chipping hammer to knock out tubes / tube stubs from tube sheet.
 - Available in 01 and 06 shanks as standard. 15 (Jumbo) shank available on request.
 - Suffix model number with tube gauge and shank when ordering. Example for 3/4" O.D. 16G, 06 shank, model number will be KT-750-16-06.
 - Tube Drifts are available for mm tube sizes also. Please enquire.
 - Standard reach is 6". Longer reaches are available.



COLLAPSING TOOL

- Features**
- Used to collapse tube and drive out collapsed tube from tube sheet with a chipping hammer.
 - Recommended for use on 16G and thinner tubes.
 - Available on 01 and 06 shanks as standard.
 - Suffix model number with shank number when ordering. Example for 3/4" O.D. 16G, 06 shank, model number will be CT-750-06.
 - Collapsing tools are available for mm tube sizes and larger tube sizes. Please enquire.

Tube O.D. inch	Model Number	MT Shank #
3/8	WR-375	1
1/2	WR-500	2
5/8	WR-625	2
3/4	WR-750	2
7/8	WR-875	2
1	WR-1000	3
1.1/4	WR-1250	3
1.1/2	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



Chipping Hammer with safety retainer for use with Tube Drifts / Collapsing Tools.

MODEL CH-1 - SPECIFICATION

Blows/min	Bore	Stroke	Weight
1600	1.1/8" (28.5mm)	3.1/4" (82.5mm)	16lbs(7 kg)

5/8" - 1/2"
O.D.

PUSH TYPE INTERNAL TUBE CUTTER ATP SERIES



- TUBEEX "Push Type" Internal Tube Cutter quickly cuts through the walls of ferrous tubes in Condensers and Heat Exchangers as a step in their removal from the tube sheet.
- This sturdy "Push Type" Internal Tube Cutter 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 a 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 increments of 2"(50.8mm). "A" reach = 6"(152.4mm). "B" reach = 8"(203.2mm). "C" reach = 10"(254.0mm) etc. All Tube Cutters come with a complete set of pilots covering the entire range of tube thicknesses for a particular tube O.D. (ATP-625 tube cutters come with a built in pilot suitable for one tube ID only.)
- All Cutters are available for MM tube sizes also. Please enquire.

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

Note : When ordering Spare Cutting Bits, please specify whether ordering for Non Ferrous, Ferrous or Stainless Tubes. Cutter Bits for these 3 types of tubes are different. Please refer to operation manual for parts list and detailed features.

INTERNAL TUBE CUTTER-PR68 SERIES

1/2" - 4 1/2"
O.D.



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

Size	Tool Model Number	Spare Bit Model Number	Tube I.D. Range		Tube O.D. Max.		Body Diameter		Drive Square Male
			mm	inch	mm	inch	mm	inch	
095	0680951	1680951	10 - 12	.394 - .472	15	.591	9.5	.374	1/2"
105	0681051		11 - 13	.433 - .512	18	.709	10.5	.413	
115	0681151	1681151	12 - 14	.472 - .551	19	.748	11.5	.453	
125	0681251	1681251	13 - 15	.519 - .591	20	.787	12.5	.492	
135	0681351		14 - 17	.551 - .669	23	.906	13.5	.531	
155	0681551	1681751	16 - 19	.630 - .748	25	.984	15.5	.610	
175	0681751		18 - 21	.709 - .827	27	1.063	17.5	.689	
195	0681951	1681951	20 - 25	.787 - .984	34	1.339	19.5	.768	
245	0682451	1682451	25 - 30	.984 - 1.181	38	1.496	24.5	.965	
290	0682901	1682901	30 - 35	1.181 - 1.378	43	1.693	29	1.142	
330	0683301		35 - 40	1.378 - 1.575	48	1.890	33	1.299	
380	0683801	1684801	40 - 50	1.575 - 1.969	58	2.126	38	1.496	
480	0684801		50 - 60	1.969 - 2.362	68	2.677	48	1.890	
530	0685301	1687301	55 - 65	2.165 - 2.559	73	2.874	53	2.087	
630	0686301		65 - 75	2.559 - 2.953	83	3.268	63	2.480	
730	0687301	1687301	75 - 85	2.953 - 3.346	93	3.661	73	2.874	
830	0688301		85 - 95	3.346 - 3.740	103	4.055	83	3.268	
930	0689301		95 - 105	3.740 - 4.134	113	4.449	93	3.661	

Note : Refer to operation manual for detailed features and parts list.

ONE REVOLUTION INTERNAL TUBE CUTTER OTC SERIES

5/8" - 2 1/2"
O.D.



TOOL

- TUBEEX "One Revolution" Internal Tube Cutter pierces and cuts off non-ferrous and thin walled ferrous tubes in one revolution.
- This "One Revolution" Internal Tube Cutter is designed for hand operation using a ratchet handle.
- The Cutter Tool Bit operates on an eccentric principle. The Tube Cutter is entered in the tube with the Tool Bit in closed position, ratchet is applied and turned in clockwise direction. The Tool Bit contacts the tube during the One Revolution and pierces the tube wall and as turning is continued the Tool Bit shears 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.
- All Cutters are available for MM tube sizes also.

Tube O.D.		I.D.	Tube Gauge (BWG)	Tube		Cutter Model No.	Spare Bit Model No.
mm	inch			mm	inch		
15.87	5/8"		14	11.4 - 11.9	.450 - .470	OTC-625-14	OTC-625-SB
			15 - 16	12.0 - 12.9	.472 - .510	OTC-625-16	
			17 - 18	12.7 - 13.5	.500 - .531	OTC-625-18	
			19 - 20	13.5 - 14.2	.531 - .560	OTC-625-20	
			22	14.0 - 14.7	.550 - .580	OTC-625-22	
19.05	3/4		14 - 15	14.7 - 15.5	.580 - .610	OTC-750-14	OTC-750-SB
			16	15.2 - 16.0	.600 - .630	OTC-750-16	
			17 - 18	15.9 - 16.5	.625 - .650	OTC-750-18	
			19 - 20	16.7 - 17.5	.660 - .690	OTC-750-20	
22.22	7/8		14 - 15	17.8 - 18.5	.700 - .730	OTC-875-14	OTC-875-SB
			16 - 17	18.8 - 19.5	.740 - .770	OTC-875-16	
			18	19.3 - 20.0	.760 - .790	OTC-875-18	
			19 - 20	19.8 - 20.6	.780 - .810	OTC-875-20	
25.40	1"		14	20.8 - 21.6	.820 - .850	OTC-1000-14	OTC-1000-SB
			15	21.3 - 22.1	.840 - .870	OTC-1000-15	
			16 - 17	22.8 - 22.6	.860 - .890	OTC-1000-16	
			18 - 20	22.6 - 23.1	.890 - .910	OTC-1000-18	
			22	23.9 - 24.6	.940 - .970	OTC-1000-22	
31.75	1.1/4		12	25.9 - 26.7	1.020 - 1.050	OTC-1250-12	OTC-1250-SB
			13 - 14	26.7 - 27.4	1.050 - 1.080	OTC-1250-14	
			15 - 16	27.9 - 28.7	1.100 - 1.130	OTC-1250-16	
			17 - 19	28.7 - 29.6	1.130 - 1.160	OTC-1250-18	
38.10	1.1/2		12 - 13	32.5 - 33.3	1.280 - 1.310	OTC-1500-12	OTC-1500-SB
			14 - 15	33.8 - 34.5	1.330 - 1.360	OTC-1500-14	
			16 - 17	34.5 - 35.3	1.360 - 1.390	OTC-1500-16	
			18 - 19	35.3 - 36.1	1.390 - 1.420	OTC-1500-18	
50.80	2		12 - 13	45.0 - 46.0	1.770 - 1.810	OTC-2000-12	OTC-2000-SB
			14 - 15	46.2 - 47.2	1.820 - 1.860	OTC-2000-14	
			16 - 17	47.2 - 48.2	1.860 - 1.900	OTC-2000-16	
			18 - 19	48.0 - 49.0	1.890 - 1.930	OTC-2000-18	
63.50	2.1/2		12 - 13	57.6 - 58.6	2.270 - 2.310	OTC-2500-12	OTC-2500-SB
			14 - 15	58.9 - 60.0	2.320 - 2.360	OTC-2500-14	
			16 - 17	60.0 - 61.0	2.360 - 2.400	OTC-2500-16	
			18 - 19	60.7 - 61.7	2.390 - 2.430	OTC-2500-18	

1/4"-1"
O.D.

MANUAL TUBE PULLER



Features :

- No power needed: Manual insertion and removal of tube with a hand wrench. Ideal for field service applications.
- Simple Design : Only two major parts reduce inventory.
- 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 markings: Both spear and thrust collar are clearly marked for fast relating tool to job.

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

Note

3/8"-1 1/2"
O.D.

TUBE PLUGS



ONE PIECE



TWO PIECE

- Tube plugs are designed for sealing off leaking or damaged tubes in heat exchangers, condensers, boilers etc. It ensures a uniform joint without damaging the tube sheet.

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

Note : Tube plugs are available in a variety of materials like carbon steel, brass, stainless steel, fibre etc. Specify material needed when ordering.

'PINE JENNY' STYLE TUBE PULLING ACCESSORIES

'PINE JENNY' TUBE SPEARS



3/8" - 1" TUBE SPEAR -

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



1.1/4" 3" TUBE SPEAR

Model Number	Tube OD inch	BWG
S-2509	1	9
S-2510	1	10-11
S-2512	1	12-13
S-2514	1	14-15
S-2516	1	16-17
S-2518	1	18-19
S-2520	1	20-21
S-3112	1-1/4	12-13
S-3114	1-1/4	14-15
S-3116	1-1/4	16-17
S-3318	1-1/4	18-19
S-3120	1-1/4	20-21
S-3814	1-1/2	14-16
S-3817	1-1/2	17-20
S-4414	1-3/4	14-18
S-5014	2	14-18
S-5714	2-1/2	14-18
S-7610	3	10-14

Note : For other sizes of 'Pine Jenny' spears. Please enquire.



3055-3 SINGLE PULL ADAPTOR



3055-6 DOUBLE PULL ADAPTOR



3055-5 MALE X MALE EXTENSION



3055-10 MALE X FEMALE EXTENSION



3055-4 HORSE SHOE LOCK



EXTENSION CHAIRS

Model	Tube OD
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 and other manufacturers of "Pine Jenny" style systems.

Extension chair is sized to allow tube being pulled to enter I.D. of chair. Spears, Adaptors, Male x Male Extension, Horse Shoe Lock and 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.