

Hydraulic tube expansion system

Hydrive



- Low noise level easy on operator's ears
- Best suited for boiler tube expansion inside drums
- Accurate torque control by pressure setting on power pack
- □ Safe in operation, 24 v control voltage
- Smooth
- □ Can expand from 3/4" to 4" O.D. in conjunction with 3 drives
- Competitive prices

Powerpack

o.i.e.p.ue.i.					
075051045104	Hydraulic Pump Models				
SPECIFICATION	THP-3	THP-5			
Oil Tank Capacity (Litres)	30	45			
Hydraulic Oil	SAE VG 68	SAE VG 68			
Maximum Working Pressure (bar)	100	100			
Net Weight (kgs)	80	100			
Overall Dimensions (mm)	610*270*985	820*320*985			
Electric Motor	3 hp. Single phase	5 hp. 3 phase			
Voltage	230v / 110v	415v			
Standard Hose Size (Length)	½" (10 mtrs.)	½" (10 mtrs.)			

Standard scope of supply includes 2 hoses of $\frac{1}{2}$ " 10 mts long each

Hydraulic expansion drive

Tube O.D. Steel	Drive Model	No Load Speed with THP -3/5/10	Weight kg
19-38	THD-4	350/480/400	9.7
38-76	THD-5	62/84/70	11.0
50-102	THD-6	40/62/54	11.5



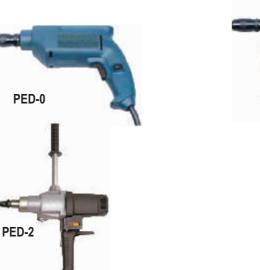


Electronic Tube Expansion System

Features:

- Fully Solid State Design.
- Accurately Calibrated Digitally Torque setting.
- Connected Drive is automatically recognised & indicated by means of LED indicator on the Torque
- Controller panel.
- Slow start has been provided to all the drives for safety.
- Trip, Reverse & Pause time are adjustable.
- Manual Reverse provided in case of emergency.
- Trigger (Hand) & foot mods are available.
- □ LED on the panel board indicates the forward, reverse or trip condition of drive.
- MCB has been provided for he Safety.

Electric Drives use with Torque Controller For Expansion





- Branded Heavy Duty Motors.
- High Torque to Weight Ratio.

Supply	D-i	0	No		Expansion Range			
Voltage Single Phase	Drive Model	Speed I / II	Load R.P.M.	Steel Tub	e O.D.	Copper Tu	be O.D.	Weight Kgs.
50/60 Hz			13.1 .191.	inch	mm	inch	mm	ngs.
	PED - 0	I	2200	1/4" - 3/8"	6 - 10	1/4" - 1/2"	6 - 12	2.0
	PED - 1	I	1000	3/8" - 5/8"	10 - 16	3/8" - 3/4"	13 - 20	2.5
	PED-1	II	1900	5/16" - 3/8"	8 - 13	5/16" - 1/2"	8 - 13	2.5
230 V	PED - 2	I	480	5/8" - 1.3/4"	16 - 45	5/8" - 2"	16 - 50	7.5
	PED-2	II	1080	5/8" - 1.1/4"	16 - 32	5/8" - 1.1/2"	16 - 38	7.5
	PED - 3	I	130	1" - 3"	25 - 76	1" - 4"	25 - 102	0 F
	PED - 3	II	430	1" - 2"	25 - 50	1" - 3"	25 - 76	8.5
	PED - 0	I	2200	1/4" - 3/8"	6 - 10	1/4" - 1/2"	6 - 12	2.0
	PED - 1	1	1000	3/8" - 5/8"	10 - 16	3/8" - 3/4"	13 - 20	2.5
	PED-1	II	1900	5/16" - 3/8"	8 - 13	5/16" - ½"	8 - 13	2.5
110 V	110 V PED - 2	I	480	5/8" - 1.3/4"	16 - 45	5/8" - 2"	16 - 50	7.5
		II	1080	5/8" - 1.1/4"	16 - 32	5/8" - 1.1/2"	16 - 38	7.5
	PED - 3	I	130	1" - 3"	25 - 76	1" - 4"	25 - 102	8.5
	PED - 3	II	430	1" - 2"	25 - 50	1" - 3"	25 - 76	0.5



PNEUMATIC TUBE ROLLING DRIVES

FOR HEAT EXCHANGERS

FOR BOILERS





Model No.	Tube Capacity (inch)	Max Torque Nm	Weight (kg)
T720 - 550	1/2	8.47	1.20
T850 - 1250	3/4	12.20	4.80
T850 - 600	1	21.81	4.80
T850 - 400	1.1/4	36.00	4.80

Model No.	Tube Capacity (inch)	Max Torque Nm	Weight (kg)
T72 - RT -190	2.5	190	5.80
T72 - RT - 90	4	410	6.70

ERGONOMIC TOOL HOLDING SYSTEM



Most reliable and proven ergo design, work holding system suitable for every application of tube installation and tube removal.

Tool holding system operates on air pressure of 6 bar. This system is very portable and can be used to hold most of the tools and drives required for tube expansion, facing and tube removing operations.

TECHNICAL SPECIFICATION

Model No.	Vertical Movement	Horizontal Movement	Lift capacity	Allowable Torque
TAS - 35	3 Feet (915mm)	5 Feet (1524mm)	35 Kgs.	170NM
TAS - 55	5 Feet (1524mm)	5 Feet (1524mm)	35 kgs.	170NM



Grooving Tools - 'TST' Series



Features:

1/8" X 3/8" X 1/8"

1/8" X 1/4" X 1/8"

- High Production Tool.
- One Tool for one size only.
- One piece mandrel construction give you more accuracy.

Tube C	חח		Spare Tool Bit		
50/60 Hz Inch	mm	Tool Model No.	1/8" X 3/8" X 1/8" Spacing	1/8" X 1/4" X 1/8" Spacing	
3/8"	9.52	TST-375	TST-371	TST-371-S	
1/2"	12.70	TST-875	TST-501	TST-501-S	
5/8"	15.87	TST-500	TST-621	TST-621-S	
3/4"	19.05	TST-750	TST-751	TST-751-S	
7/8"	22.22	TST-625	TST-751	TST-751-S	
1"	25.40	TST-1000	TST-751	TST-751-S	
1.1/4"	31.75	TST-1250	TST-751	TST-751-S	
1.1/2"	38.10	TST-1500	TST-751	TST-751-S	
2"	50.80	TST-2000	TST-751	TST-751-S	
2.1/2"	63.50	TST-2500	TST-751	TST-751-S	

'TW' Series



- □ By changing the pilot nose & cutter covers full range of diameters.
- Length & Depth iof cut is adjustable.
- Cutters are easy to change & resharpnable.

Tube	O.D.	Tool Pilot Nose Circular Form		Circular Form Cutter Model	Tool Bit Holder	Spare Tool Bit	
Inch	mm	Model No.	Model No.	No.	Model No.	Model No.	
3/8" - 1.1/4"	9 - 32	1TW - 2MT	1TW - PN	1TW - CF	1TW - TBH	1TW - TB	
5/8" - 1.3/4"	16 - 45	3TW - 3MT	3TW - PN	3TW - CF	3TW - TBH	3TW - TB	
3/4" - 1.7/8"	19 - 48	4TW - 4MT	4TW - PN	4TW - CF	4TW - TBH	4TW - TB	
1.1/2" - 4"2"	38 - 102	6TW - 5MT	6TW - PN	6TW - CF	6TW - TBH	6TW - TB	



TUBE SHEET HOLE REAMER

3/8" - 5" O.D.



- High Speed Steel.
- □ Best for Condenser, Heat-Exchanger Tube Sheet Reaming.
- □ Pls. Enquire For Larger Dia. & long Flute Length.

Tube	O.D.		zes as per ' Speci.	Model No.	Flute	Length	Over A	II Length	Morse	
Inch	mm	Inch	mm		Inch	mm	Inch	mm	Taper	
				TR - 095/66	2.60	66.00	5.70	146.00		
3/8"	9.53	0.380	9.65	TR - 095/101	3.97	101.00	7.12	181.00	1	
				TM - 095/152	5.98	152.00	9.13	232.00		
				TM - 127/76	2.99	76.00	6.14	156.00		
1/2"	12.70	0.505	12.83	TM - 127/101	3.97	101.00	7.12	181.00	1	
				TM - 127/152	5.98	152.00	9.13	232.00		
				TM - 158/87	3.42	87.00	7.36	187.00		
5/8"	15.87	0.631	16.03	TM - 158/152	5.98	152.00	9.92	252.00	2	
				TM - 158/203	7.99	203.00	11.93	303.00		
				TM - 160/87	3.42	87.00	7.36	187.00		
**	16.00	0.636	16.16	TM - 160/152	5.98	152.00	9.92	252.00	2	
				TM - 160/203	7.99	203.00	11.93	303.00		
				TM - 190/100	3.90	100.00	7.87	200.00		
3/4"	19.05	0.758	19.25	TM - 190/152	5.98	152.00	9.92	252.00	2	
				TM - 190/203	7.99	203.00	11.93	303.00		
				TM - 200/100	3.90	100.00	7.87	200.00		
**	20.00	0.795	0.795	20.20	TM - 200/152	5.98	152.00	9.92	252.00	2
						TM - 200/203	7.99	203.00	11.93	303.00
				TM - 220/107	4.21	107.00	8.15	207.00		
**	22.00	0.875	22.22	TM - 220/152	5.98	152.00	9.92	252.00	2	
				TM - 220/203	7.99	203.00	11.93	303.00		
				TM - 222/107	4.21	107.00	8.15	207.00		
7/8"	22.22	0.883	22.42	TM - 222/152	5.98	152.00	9.92	252.00	2	
				TM - 222/203	7.99	203.00	11.93	303.00		
				TM - 250/115	4.53	115.00	9.53	242.00		
**	25.00	0.994	25.25	TM - 250/203	7.99	203.00	12.99	330.00	3	
				TM - 250/254	10.00	254.00	15.00	381.00		
				TM - 254/115	4.53	115.00	9.53	242.00		
1"	25.40	1.010	25.65	TM - 254/203	7.99	203.00	12.99	330.00	3	
·	201.10		20.00	TM - 254/254	10.00	254.00	15.00	381.00		
		1.136		TM - 285/124	4.88	124.00	9.88	251.00		
1.1/8"	28.57		28.86	TM - 285/203	7.99	203.00	12.99	330.00	3	
1.1/0	20.01		20.00	TM - 285/254	10.00	254.00	15.00	381.00		
				TM - 317/133	5.23	133.00	11.53	293.00		
1.1/4"	31.75	1.262	32.07	TM - 317/203	7.99	203.00	14.29	363.00	4	
1.1/4	01.70	1.202	OL.01	TM - 317/254	10.00	254.00	16.30	414.00		



TUBE END FACER

3/8" - 2.1/2" O.D.



Stainless Steel

Tools Bits



Carbon Steel



Features:

- □ Best for quick facing of projecting ends of Condenser, heat-Exchangers Tubes.
- □ Tool supply with set of pilots to suit different I.D. with same O.D.

Tube C	חת			Spare To	ol Bit
Tube	,	Guage	Model No.	For Non Ferrous &	For Stainless Steel
50/60 Hz Inch	mm			Carbon Steel Tubes	Tubes
3/8"	9.52	16-22	TTF - 375	TTFB - 375	TTFB - 375 - SS
1/2"	12.70	15-20	TTF - 500	TTFB - 500	TTFB - 500 - SS
5/8"	15.87	14-18	TTF - 625	TTFB - 625	TTFB - 625 - SS
3/4"	19.05	10-18	TTF - 750	TTFB - 750	TTFB - 750 - SS
7/8"	22.22	13-18	TTF - 875	TTFB - 875	TTFB - 875 - SS
1"	25.40	11-18	TTF - 1000	TTFB - 1000	TTFB - 1000 - SS
1.1/8"	28.57	11-18	TTF - 1125	TTFB - 1125	TTFB - 1125 - SS
1.1/4"	31.75	11-18	TTF - 1250	TTFB - 1250	TTFB - 1250 - SS
1.3/8"	34.92	11-18	TTF - 1375	TTFB - 1375	TTFB - 1375 - SS
1.1/2"	38.10	11-18	TTF - 1500	TTFB - 1500	TTFB - 1500 - SS
1.5/8"	41.27	11-18	TTF - 1625	TTFB - 1625	TTFB - 1625 - SS
1.3/4"	44.45	11-18	TTF - 1750	TTFB - 1750	TTFB - 1750 - SS
1.7/8"	47.62	11-18	TTF - 1875	TTFB - 1875	TTFB - 1875 - SS
2"	50.80	11-18	TTF - 2000	TTFB - 2000	TTFB - 2000 - SS
2.1/4'	57.15	11-18	TTF - 2250	TTFB - 2250	TTFB - 2250 - SS
2.1/2"	63.50	11-18	TTF - 2500	TTFB - 2500	TTFB - 2500 - SS

WELD REMOVAL TOOL

1.1/2" - 4" O.D.



- □ Tool suitable for weld removal, Facing, Chamfering (Internal & External) of Condenser, Heat-Exchanger Tubes.
- This tool can supply with MT Shank suitable for drills.

Tube (O.D.	Assy Model No.	Spare Tool Bits Model No.
Inch	mm		
1.1/2"		TFC - 1500	TFC - 1500 - TB
1.5/8"	41.27	TFC - 1625	TFC - 1625 - TB
1.3/4"	44.45	TFC - 1750	TFC - 1750 - TB
1.7/8"	47.62	TFC - 1875	TFC - 1875 - TB
2"	50.80	TFC - 2000	TFC - 2000 - TB
2.1/4"	57.15	TFC - 2250	TFC - 2250 - TB
2.1/2"	63.50	TFC - 2500	TFC - 2500 - TB
2.3/4"	69.85	TFC - 2750	TFC - 2750 - TB
3	76.20	TFC - 3000	TFC - 3000 - TB
3.1/4"	82.55	TFC - 3250	TFC - 3250 - TB
3.1/2"	88.90	TFC - 3500	TFC - 3500 - TB
3.3/4"	95.25	TFC - 3750	TFC - 3750 - TB
4	101.60	TFC - 4000	TFC - 4000 - TB



½" - 3" O.D.

TUBE GUIDE



Features:

□ To Guide the tube through the tube sheet & baffles plates while insertion of tube.

Tube	O.D.	Guage	Model No.
Inch	mm	Guage	Wodel No.
		16-18	TTG - 1
1/2"	12.70	19-20	TTG - 2
		21-23	TTG - 2.5
		12-13	TTG - 3
		14-16	TTG - 4
5/8"	15.87	17-20	TTG - 5
		22-24	TTG - 5.5
		10-12	TTG - 6
		13-16	TTG - 7
3/4"	19.05	17-20	TTG - 8
		22-24	TTG - 8.5
		10-12	TTG - 9
		13-16	TTG - 10
7/8"	22.22	17-20	TTG - 11
		21-22	TTG - 11.5
		8-9	TTG - 11.5
4.0	05.40	10-12	TTG - 12
1"	25.40	13-16	TTG - 13
		17-20	TTG - 14
		21-23	TTG - 14.5

Tube O.D.		Guage	Model No.	
Inch	mm	Guage	Woder No.	
1.1/4"	31.75	10-13	TTG - 15	
1.1/4	31.73	14-20	TTG - 16	
			TTG - 17	
1.3/8"	34.92	10-13	TTG - 18	
	002	14-20	TTG - 19	
		8-9	TTG - 20	
1.1/2"	38.10	10-13	TTG - 21	
		14-20	TTG - 22	
		8-10	TTG - 23	
2"	50.80	11-13	TTG - 24	
		14-16	TTG - 25	
0.4400		10-13	TTG - 26	
2.1/2"	63.50	14-16	TTG - 27	

FLARING TOOL



Features:

To Flare the tube with pneumatic chipping

Tube O.D.		Guage	Model No.	
Inch	mm	Guage	WIOGEI NO.	
1/2"	12.70	16-22	TFT - 1	
5/8"	15.87	14-15	TFT - 2	
3/0	10.07	16-22	TFT - 3	
3/4"	19.05	14-15	TFT - 4	
3/4	13.00	16-22	TFT - 5	
7/8"	22.22	14-15	TFT - 6	
770	22.22	16-22	TFT - 7	
1"	25.40	12-15	TFT - 8	
I	25.40	16-22	TFT - 9	
1.1/8"	28.57	12-15	TFT - 10	
1.1/0	20.57	16-22	TFT - 11	
4 4 / 4 "	24.75	8-14	TFT - 12	
1.1/4	1.1/4" 31.75		TFT - 13	
4.0/0"	4.0401		TFT - 14	
1.3/8"	34.92	15-22	TFT - 15	
4.4/0"	20.40	8-14	TFT - 16	
1.1/2"	38.10	15-22	TFT - 17	

TUBE SHEET HOLE BRUSH



Features:

□ To clean the tube sheet bore before tube insertion.

Tube O.D.		Model No.	
Inch	mm	Wodel No.	
1/2"	12.70	TSB - ½	
5/8"	15.87	TSB - 5/8	
3/4"	19.05	TSB - 3/4	
7/8"	22.22	TSB - 7/8	
1"	25.40	TSB - 1	
1.1/4"	31.75	TSB - 1.1/4	
1.1/2"	38.10	TSB - 1.1/2	
1.3/4"	44.45	TSB - 1.3/4	
2"	50.80	TSB - 2	
2.1/4"	57.15	TSB - 2.1/4	
2.1/2"	63.50	TSB - 2.1/2	
2.3/4"	69.85	TSB - 2.3/4	
3"	76.20	TSB - 3	



1/4" - 3" O.D.

TUBE LEAK DETECTOR

This Vacuum Tub Leak Detector VLD-3000 simple & accurate method of testing leakages in the tubes of Boiler, Condenser, Heat -Exchanger, Chiller, Cooler, etc.

It works on principle of vacuum in which tool suck the air from tube & create vacuum to a desired reading on gauge.

Steady reading on gauge indicates NO LEAK.

If the reading on the gauge drops it indicates the LEAK tube.

Features:

- Only one tool necessary for testing multiple tube sizes
- Compact Tool for checking the tubes for leakage before insertion in tube plate.
- □ Simple Design, Light Weight, Quick tube testing. 7 to 8 tubes per minute.
- □ InterchangableSeals for I.D. 10.35mm To 30.65mm
- □ Required Air Supply :- Standard 6 to 10 Bar
- Silent While Testing.



Tube Seals Available-

Part No.	Tube O.D. Size
T - 760	1/4" (6.3mm) - 3/4" (19.5mm)
T - 1250	5/8" (15.9mm) - 1.1/4" (31.7mm)
T - 2000	1.1/8" (28.6mm) - 2" (50.8mm)
T - 3000	1.7/8" (47.6mm) - 3" (76.2mm)

Operating Instructions:



1) Connect air supply to the gun Plug both ends of the tube to be tested with Plugging 'T' handle one end & vacuum gun at other end.



2) Operate slide valve & allow creating vacuum in the tubes.



3) Shut off the slide value when vacuum gauge reaches to the desire pressure. Hold for seconds of gauge shows steady pressure there is no leak.



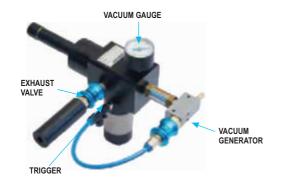
4) If gauge is not showing the steady pressure it means the tube is leak.

Specifications:

- □ Cover wide range of tubes with one unit [(tube sizes : 1/4" (6.3mm) to 3" (76.2mm)].
- □ Requires 90 psi (6.0 bar) compressed air
- □ Air consumption : 26 CFM (720 I/min).



TUBE TO TUBE SHEET JOINT TESTING KIT

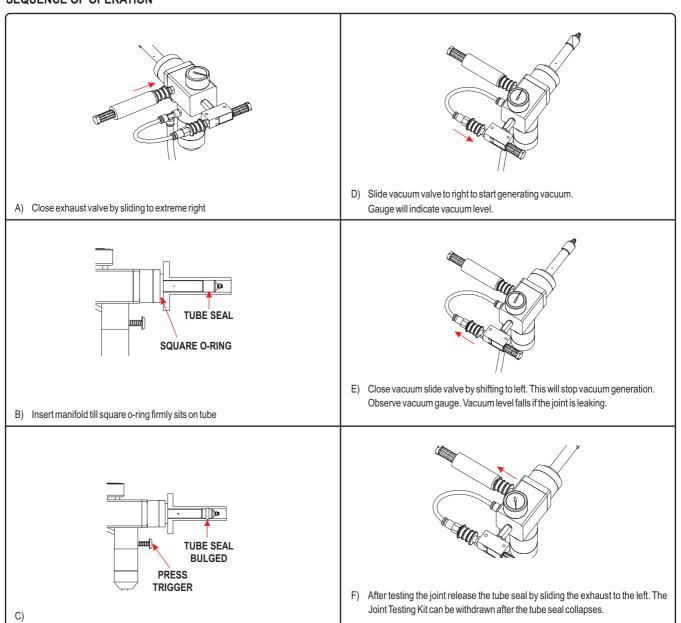


Features:

- Simple, Quick and Reliable tube joint testing. Test 10 tube joints per minute.
- Interchangeable seal sets: Allows testing of tubes from 7.75 mm to 30.63 mm
- ID with easy to replace accessories.

 Joint Testing Gun weights less than 1.5 kg.
- Air supply: Uses standard plant air supplies from 70 psi to 100 psi (4.7 to 6.8 bar).
- Silent during use. Ergonomic design makes testing effortless.
- Each Kit packed in compact and handy case.

SEQUENCE OF OPERATION





TUBE TO TUBE SHEET JOINT TESTING KIT SPECIFICATIONS



Tub	be Size	Tube ID	Tube ID Range		Tube Seal Diameter		Tube Seal D	l Diameter	Manifold with	Compression	Square
O.D.	bwg	mm	inch	Part No.	mm	inch	Square O ring	Tube Part No.	O ring		
	9	8.37	.330	TTK-300N	7.5	.295					
	10-13	9.07 - 11.05	.357435	TTK-370N	9	.354	TTM-15-125-5/8	TTK-15-125			
5/8"	14-15	11.67 - 12.23	.459481	TTK-450N	11.6	.457	-		TTI/ 40 5/0		
5/8	16-17	12.57 - 12.93	.459509	TTK-470N	12.2	.480			TTK-16-5/8		
	18-19	13.39 - 13.75	.527541	TTK-490N	13.3	.523	TTM-15-312-5/8	TTK-15-312			
	20-24	14.11 - 14.77	.555581	TTK-530N	13.8	.543					
	9	11.55	.455	TTK-430N	10.8	.425	TTM-15-312-3/4-1	TTK-15-312			
	10 - 11	12.25 - 12.95	.482510	TTK-450N	11.6	.457	TTM-15-125-3/4	TTK-15-125			
	12 - 13	13.53-14.23	.532560	TTK-490N	13.3	.523]		
3/4"	14 - 15	14.85 - 15.41	.584606	TTK-530N	13.8	.543	TTM 45 040 0/4 0		TTK-16-3/4		
	16 - 17	15.75 - 16.11	.620634	TTK-570N	15.4	.606	TTM-15-312-3/4-2	TTK-15-312			
	18 - 24	16.57 - 17.95	.652 - 706	TTK-610N	16.5	.649					
	8-9	13.84 - 14.72	.544579	TTK-530N	13.8	.543			TTK-16-7/8		
	10-11	15.42 - 16.12	.607635	TTK-570N	15.4	.606	TTM 45 040 7/0 4	TTK-15-312			
	12-13	16.7 - 17.4	.657685	TTK-610N	16.5	.649	TTM-15-312-7/8-1				
7/8"	14-17	18.02 - 19.28	.709759	TTK-690N	18	.708					
	18-19	19.74 - 20.1	.777791	TTK-740N	19.7	.775	TTM 45 040 7/0 0				
	20-24	20.46 - 21.12	.805831	TTK-790N	20.1	.791	TTM-15-312-7/8-2				
	8-9	17.02 - 17.9	.670704	TTK-610N	16.5	.649					
	10-11	18.6 - 19.3	.732760	TTK-690N	18	.708	TTN 45 040 4	TTK-15-312	TTK-16-1		
	12-13	19.88 - 20.58	.782810	TTK-740N	19.7	.775	TTM-15-312-1				
1"	14-15	21.2 - 21.76	.834856	TTK-790N	20.1	.791					
	16-17	22.1 - 22.46	.870884	TTK-840N	21.7	.854					
	18-19	22.92 - 23.28	.902916	TTK-870N	22.9	.901	TTM-15-405-1				
	20-24	23.64 - 24.3	.930956	TTK-890N	23.3	.917	-				
	8-9	20.19 - 21.07	.795829	TTK-790N	20.1	.791	TTM-15-312-1.1/8	TTK-15-312			
	10-11	21.77 - 22.47	.857884	TTK-840N	21.7	.854					
	12-13	23.05 - 23.75	.907935	TTK-870N	22.9	.901					
1.1/8"	14-15	24.37 - 24.93	.959981	TTK-890N	23.3	.917	TTM-15-405-1.1/8	TTK-15-405	TTK-16-1.1/8		
	16-17	25.27 - 25.63	.994 - 1.009	TTK-980N	25.2	.992					
	18-19	26.09 - 26.45	1.027 - 1.041	TTK-990N	26.0	1.024					
	20-24	26.81 - 27.47	1.055 - 1.081	TTK-1040N	26.8	1.055					
	8-11	23.37 - 25.65	.920 - 1.01	TTK-890N	23.3	.917					
4 4/4"	12-13	26.23 - 26.93	1.032 - 1.060	TTK-990N	26.0	1.024	TTM 45 405 4 4/4	TTV 45 405	TTI/ 40 4 4/4		
1.1/4"	14-17	27.55 - 28.81	1.084 - 1.134	TTK-1090N	27.5	1.082	TTM-15-405-1.1/4	TTK-15-405	TTK-16-1.1/4		
18-24		29.27 - 30.65	1.152 - 1.206	TTK-1100N	29.2	1.149					



TUBE / PIPE BEVELING MACHINES

Specially designed to suit the most critical applications with restricted access. These Tools are very rigid, however compact and light weight to facilitate portability and ease of use.

A range of 5 models cover Tube size from 20mm to 306mm O.D. Face Tool head can be mounted either on Electric or Pneumatic Tool as per the requirement . Ideal for on-site pipe Facing, Bevelling and Weld preparation.

APPLICATIONS

- Suitable for jobs in restricted access areas
- Useful in shutdown environments on Condensers and Heat Exchangers
- Used for maintenance and new Boiler manufacturing
- Designed to bevel, face and prepare weld edges for heavy wall thickness tubes

FEATURES

- Light weight and portable design
- Quick interchangeability of locking jaws to suit wide range of diameters
- Modular and ergonomic design to suit in toughest working conditions
- Suitable for wide range of tube id's

Drive	Pneumatic	Electric
Locking Range (mm)	20 - 42	20 - 42
Ideal Speed (RPM)	400	250
Torque (Nm)	27.5	45.0
Feeding Stroke (mm)	23	23
Pneumatic Power (HP)	0.60	
Air Consumption (cfm)	16	-
Air Pressure (psi)	90	
Electric Power (watts)		650
Weight (kg)	5.5	5.5





Drive	Pneumatic	Electric
Locking Range (mm)	28 -76	28 - 76
Ideal Speed (RPM)	110	140
Torque (Nm)	84	138
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	0.83	-
Air Consumption (cfm)	42	
Air Pressure (psi)	90	
Electric Power (watts)	-	595
Weight (kg.)	5.5	11.0

TFM - 2876





Drive	Pneumatic	Electric
Locking Range (mm)	51 - 203	51 - 203
Ideal Speed (RPM)	40	40
Torque (Nm)	220	240
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	1.3	-
Air Consumption (cfm)	40	
Air Pressure (psi)	90	-
Electric Power (watts)		1800
Weight (kg.)	26.5	30.0

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Drive	Pneumatic	Electric
Locking Range (mm)	39 -104	39 - 104
Ideal Speed (RPM)	60	60
Torque (Nm)	220	240
Feeding Stroke (mm)	40	40
Pneumatic Power (HP)	1.3	
Air Consumption (cfm)	40	
Air Pressure (psi)	90	-
Electric Power (watts)		1800

21.0

23.0

TFM - 39105



Drive **Pneumatic** Electric Locking Range (mm) 100-306 100-306 Ideal Speed (RPM) 35 31 Torque (Nm) 180 230 Feeding Stroke (mm) 50 50 Pneumatic Power (HP) 1.9 Air Consumption (cfm) 60 Air Pressure (psi) 90 Electric Power (watts) 1400 Weight (kg.) 43.0 44.0

TFM - 99306



TOOL SET



Weight (kg.)

FT-1 (EXT. BEVELLING)



FT-6 (INT. BEVELLING)



FT-2 (EXT. BEVELLING)



FT-8 (FACING)



FT-3 (EXT. BEVELLING)



FT-4 (INT. BEVELLING)



FT-9 (WELD REMOVAL)



FT-5 (INT. BEVELLING)



FT-10 ('J' GROOVING)