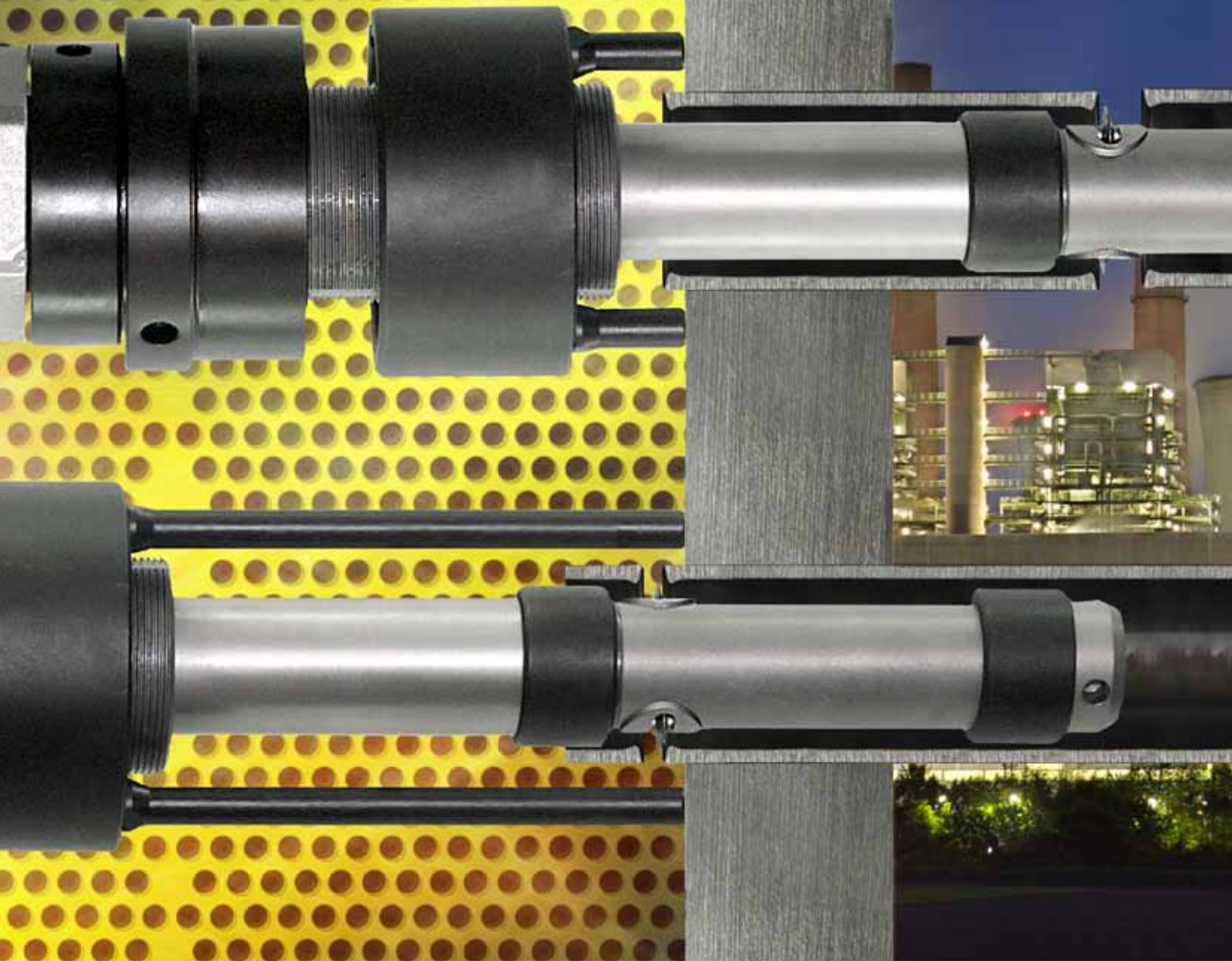




Wheel
Type
Tube
Cutters

General informations

Wheel Type Tube Cutter series for fire tube boilers, steam and water boilers, heat exchangers, condensers and other tubular vessels.

The all New KRAIS WTTC series Wheel Type Tube Cutter for quick and productive cutting and trimming of tubes. Pneumatically or electrically driven. Uses an industry first 3, 2 and 1 cutting wheel design, engineered to provide unmatched performance.



Datasheet

	1WTTC-1000	2WTTC-1500	3WTTC-2000	3WTTC-3000	MANUAL WTTC
CUTTING RANGE OD	5/8" to 1-1/4" 15,8 - 31,75 mm	1-1/2" to 2" 38,1 - 50,8 mm	2" to 4" 50,8 - 101,6 mm	2,5" to 5" 63,5 - 127 mm	0,75" - 1" 19-25 mm
STANDARD REACH	3"; 6" 76,2 mm; 152,4 mm	4" 101,6 mm			120" 3000 mm
MATERIAL	Ferrous and non-ferrous				
CUTTING METHOD	1 cutting wheel	2 cutting wheels	3 cutting wheels	3 cutting wheels	1 cutting wheel
STANDARD FEED	Crank arm				
TRIMMING	Standard				
POWER	1,3 Hp 0,97 kW			1,4 Hp 0,97 kW	Manual
FREE SPEED	100 Rpm			55 Rpm	Manual
OPTIONAL FREE SPEED	200 Rpm, 300 Rpm (pneumatic)	-		100 Rpm	Manual
TORQUE	105 ft.lbs 142,4 Nm			207 ft.lbs 280 Nm	Manual
AIR CONSUMPTION	55 cfm 1,3 m³/min				-
WIDTH	2,32" 58,9 mm				-
HEIGHT	13,1" 332,7 mm			19" 485mm	-
WEIGHT	15 Lbs 6,8 kg	21 Lbs 9,5 kg	23 Lbs 10,42 kg	36,3 Lbs 16,5 kg	4 kg

Available feed systems



Crank arm single feed stroke



Lever feed handle



Crank arm with double feed stroke



Pneumatic-hydraulic feed system

ONLY ON
REQUEST

1WTTC

Electric drive ED-230

Electric drive ED-230 is optional module for all of our WTTC series tools.

Weight3,5 kg (7,7 lbs)
Length.....380 mm (14,9")

	Drive			WTTC		
	Speed	Torque		Speed	Torque	
	Rpm	Nm	Ft.lbs	Rpm	Nm	Ft.lbs
ED-230	230	183	140	115	366	280



1WTTC-1000 One Wheel Type Tube Cutter

The 1WTTC-1000 greatly reduces cutting time by utilizing the special 1 point self-centering cutter wheel design and works with 5/8", thru 1-1/4" O.D. tubes (after changing cutter body wheels and pilots). The tool does not create any chips during the cutting process!

Trimming attachment

Tube projection can be cut quickly without generating any chips!



TUBE OD		TUBE GAUGE			TOOL NR	WHEEL HOLDER	WHEEL PIN	CUTTING			TRIMMING			BODY
[inch]	[mm]	[bwg]	[inch]	[mm]				CUTTER WHEEL	PILOT	THRUST COLLAR	TRIMMING COLLAR	PILOT	PILOT EXTENSION	
3/4	19.05	14	0,083	2,11	1WTC-750	1CCWH-190	CP-20	CW-21	P-008	SWTC-750	WTTA-750	T-8	PE-1WTTC-190	1WTB-750
		15	0,072	1,83				CW-21	P-009			T-9		
		16	0,065	1,65				CW-21	P-010			T-10		
		17	0,058	1,47				CW-21	P-011			T-11		
		18	0,049	1,24				CW-21	P-012			T-12		
		19	0,042	1,07	1CCWH-19-2	CW-21		P-013	T-13					
		20	0,035	0,89		CW-21		P-014	T-14					
		21	0,032	0,81		CW-21		P-015	T-15					
		22	0,028	0,71		CW-21		P-016	T-16					
		23	0,025	0,63		CW-21		P-017	T-17					
		24	0,022	0,56		CW-31		P-018	T-18					
7/8	22.23	14	0,083	2,11	1WTC-875	1CCWH-222	CP-25	CW-25	P-019	SWTC-875	WTTA-875	T-19	PE-1WTTC-222	1WTB-875
		15	0,072	1,83				CW-25	P-020			T-20		
		16	0,065	1,65				CW-25	P-021			T-21		
		17	0,058	1,47				CW-25	P-022			T-22		
		18	0,049	1,24				CW-25	P-023			T-23		
		19	0,042	1,07	1CCWH-222-2	CW-25		P-024	T-24					
		20	0,035	0,89		CW-25		P-025	T-25					
		21	0,032	0,81		CW-25		P-026	T-26					
		22	0,028	0,71		CW-25		P-027	T-27					
		23	0,025	0,63		CW-25		P-028	T-28					

1WTTC-1000 One Wheel Type Tube Cutter

TUBE OD		TUBE GAUGE			TOOL NR	WHEEL HOLDER	WHEEL PIN	CUTTING			TRIMMING			BODY
[inch]	[mm]	[bwg]	[inch]	[mm]				CUTTER WHEEL	PILOT	THRUST COLLAR	TRIMMING COLLAR	PILOT	PILOT EXTENSION	
1	25.40	12	0,109	2,77	1WTC-1000	1CCWH-254	CP-25	CW-31	P-029-1	SWTC-1000	WTTA-1000	T-29-1	PE-1WTTC-254	1WTB-1000
		13	0,095	2,41				CW-31	P-029-2			T-29-2		
		14	0,083	2,11				CW-31	P-029			T-29		
		15	0,072	1,83				CW-31	P-030			T-30		
		16	0,065	1,65				CW-31	P-031			T-31		
		17	0,058	1,47				CW-31	P-032			T-32		
		18	0,049	1,24		1CCWH-254-2		CW-31	P-033			T-33		
		19	0,042	1,07				CW-31	P-034			T-34		
		20	0,035	0,89				CW-31	P-035			T-35		
		21	0,032	0,81				CW-31	P-036			T-36		
		22	0,028	0,71				CW-31	P-037			T-37		
		23	0,025	0,63				CW-31	P-038			T-38		
		24	0,022	0,56				CW-31	P-039			T-39		
1 1/8	28.58	12	0,109	2,77	1WTC-1125		1CCWH-286	CP-30	CW-34	P-040-1	SWTC-1125	WTTA-1125	T-40-1	PE-1WTTC-286
		13	0,095	2,41		CW-34			P-040-2	T-40-2				
		14	0,083	2,11		CW-34			P-040	T-40				
		15	0,072	1,83		CW-34			P-041	T-41				
		16	0,065	1,65		CW-34			P-042	T-42				
		17	0,058	1,47		CW-34			P-043	T-43				
		18	0,049	1,24		1CCWH-286-2	CW-34		P-044	T-44				
		19	0,042	1,07			CW-34		P-045	T-45				
		20	0,035	0,89			CW-34		P-046	T-46				
		21	0,032	0,81			CW-34		P-047	T-47				
		22	0,028	0,71			CW-34		P-048	T-48				
		23	0,025	0,63			CW-34		P-049	T-49				
		24	0,022	0,56			CW-34		P-050	T-50				
1 1/4	31.75	12	0,109	2,77	1WTC-1250		1CCWH-317	CP-30	CW-37	P-051	SWTC-1250	WTTA-1250	T-51	PE-1WTTC-317
		13	0,095	2,41		CW-37			P-052	T-52				
		14	0,083	2,11		CW-37			P-053	T-53				
		15	0,072	1,83		CW-37			P-054	T-54				
		16	0,065	1,65		CW-37			P-055	T-55				
		17	0,058	1,47		CW-37			P-056	T-56				
		18	0,049	1,24		1CCWH-317-2	CW-37		P-057	T-57				
		19	0,042	1,07			CW-37		P-058	T-58				
		20	0,035	0,89			CW-37		P-059	T-59				
		21	0,032	0,81			CW-37		P-060	T-60				
		22	0,028	0,71			CW-37		P-061	T-61				
		23	0,025	0,63			CW-37		P-062	T-62				
		24	0,022	0,56			CW-37		P-063	T-63				

2WTTC-1500 Two Wheels Type Tube Cutter

The 2WTTC-1500 greatly reduces cutting time by utilizing the special 2 point self-centering cutter wheel design and works with 5/8", thru 1-1/4" O.D. tubes.

The tool does not create any chips during the cutting process!



TUBE OD		TUBE GAUGE			WHEEL HOLDER	CUTTER WHEEL	WHEEL PIN	PILOT	SUPPORT PILOT	THRUST COLLAR	COLAR DEPTH STOP	
[inch]	[mm]	[bwg]	[inch]	[mm]							LONG	SHORT
1 1/2	38.1	12	0,109	2,77	2CWH-15	CW-13	CP-3	2P-29	SP-29	TC-300	TCDS-L	TCDS-S
		13	0,095	2,41				2P-291	SP-291			
		14	0,083	2,11				2P-30	SP-30			
		15	0,072	1,83				2P-301	SP-301			
		16	0,065	1,65				2P-31	SP-31			
		17	0,058	1,47				2P-311	SP-311			
		18	0,049	1,24				2P-32	SP-32			
		19	0,042	1,07				2P-321	SP-321			
		20	0,035	0,89				2P-33	SP-33			
		21	0,032	0,81				2P-331	SP-331			
		22	0,028	0,71				2P-332	SP-332			
		23	0,025	0,63				2P-333	SP-333			
		24	0,022	0,56				2P-334	SP-334			
1 3/4	44.45	12	0,109	2,77	2CWH-18	CW-16	CP-4	2P-35	SP-35	TC-250	TCDS-L	TCDS-S
		13	0,095	2,41				2P-351	SP-351			
		14	0,083	2,11				2P-36	SP-36			
		15	0,072	1,83				2P-361	SP-361			
		16	0,065	1,65				2P-37	SP-37			
		17	0,058	1,47				2P-371	SP-371			
		18	0,049	1,24				2P-38	SP-38			
		19	0,042	1,07				2P-381	SP-381			
		20	0,035	0,89				2P-382	SP-382			
		21	0,032	0,81				2P-383	SP-383			
		22	0,028	0,71				2P-384	SP-384			
		23	0,025	0,63				2P-385	SP-385			
		24	0,022	0,56				2P-386	SP-386			
2	50.80	8	0,165	4,19	2CWH-20	CW-17	CP-4	2P-40	SP-40	TC-200	TCDS-L	TCDS-S
		9	0,134	3,40				2P-401	SP-401			
		10	0,120	3,05				2P-41	SP-41			
		11	0,109	2,77				2P-411	SP-411			
		12	0,095	2,41				2P-42	SP-42			
		13	0,083	2,11				2P-421	SP-421			
		14	0,072	1,83				2P-43	SP-43			
		15	0,065	1,65				2P-431	SP-431			
		16	0,058	1,47				2P-44	SP-44			
		17	0,049	1,24				2P-441	SP-441			
		18	0,049	1,24				2P-45	SP-45			
		19	0,042	1,07				2P-451	SP-451			
		20	0,035	0,89				2P-46	SP-46			
		21	0,032	0,81				2P-461	SP-461			
		22	0,028	0,71				2P-47	SP-47			
		23	0,025	0,63				2P-471	SP-471			
		24	0,022	0,56				2P-48	SP-48			

3WTTC-2000 Three Wheels Type Tube Cutter



The 3WTTC-2000 greatly reduces cutting time by utilizing the special 3 point self-centering cutter wheel design and works with 2", thru 4" O.D. tubes. **The tool does not create any chips during the cutting process!**

Depending on operator experience and tube material the KRAIS 3WTTC-2000 can cut 2" GA 12 in between 6 to 12 seconds. Real tube to tube cycle time is approximately 30 seconds, giving unmatched productivity.

On demand we offer 3WTTC with reach up to 5 m.



TUBE OD		TUBE GAUGE			CUTTER WHEEL HOLDER	CUTTER WHEEL	WHEEL PIN	PILOT EXTENSION	PILOT	THRUST COLLAR	COLAR DEPTH STOP	
[inch]	[mm]	[bwg]	[inch]	[mm]							LONG	SHORT
2	50.8	10	0,134	3,40	CCWH-20	CW-16	CP-4	PE-WTTC	P42	TC-200	TCDS-L	TCDS-S
		11	0,120	3,05					P43			
		12	0,109	2,77					P44			
		13	0,095	2,41					P45			
		14	0,083	2,11					P46			
		15	0,072	1,83					P461			
		16	0,065	1,65					P47			
		17	0,058	1,47					P471			
		18	0,049	1,24					P48			
		19	0,042	1,07					P481			
		20	0,035	0,89					P49			
2 1/2	63.50	9	0,148	3,76	CCWH-25	CW-17	CP-4	PE-WTTC	P51	TC-200	TCDS-L	TCDS-S
		10	0,134	3,40					P52			
		11	0,120	3,05					P53			
		12	0,109	2,77					P54			
		13	0,095	2,41					P55			
		14	0,083	2,11					P56			
		15	0,072	1,83					P561			
		16	0,065	1,65					P57			
		17	0,058	1,47					P571			
		18	0,049	1,24					P58			
		19	0,042	1,07					P581			
		20	0,035	0,89					P59			

3WTTC-2000 Three Wheels Type Tube Cutter

TUBE OD		TUBE GAUGE			CUTTER WHEEL HOLDER	CUTTER WHEEL	WHEEL PIN	PILOT EXTENSION	PILOT	THRUST COLLAR	COLAR DEPTH STOP	
[inch]	[mm]	[bwg]	[inch]	[mm]							LONG	SHORT
3	76.20	9	0,148	3,76	CCWH-30	CW-17	CP-4	PE-WTTC	P61	TC-200	TCDS-L	TCDS-S
		10	0,134	3,40					P62			
		11	0,120	3,05					P63			
		12	0,109	2,77					P64			
		13	0,095	2,41					P65			
		14	0,083	2,11					P66			
		15	0,072	1,83					P661			
		16	0,065	1,65					P67			
		17	0,058	1,47					P671			
		18	0,049	1,24					P68			
		19	0,042	1,07					P681			
		20	0,035	0,89					P69			
3 1/2	88.90	9	0,134	3,40	CCWH-35	CW-17	CP-4	PE-WTTC	P71	TC-400	TCDS-L	TCDS-S
		10	0,120	3,05					P72			
		11	0,109	2,77					P73			
		12	0,095	2,41					P74			
		13	0,083	2,11					P75			
		14	0,072	1,83					P76			
		15	0,065	1,65					P761			
		16	0,058	1,47					P77			
		17	0,049	1,24					P771			
		18	0,049	1,24					P78			
		19	0,042	1,07					P781			
		20	0,035	0,89					P79			
4	101.60	9	0,134	3,40	CCWH-40	CW-17	CP-4	PE-WTTC	P81	TC-400	TCDS-L	TCDS-S
		10	0,120	3,05					P82			
		11	0,109	2,77					P83			
		12	0,095	2,41					P84			
		13	0,083	2,11					P85			
		14	0,072	1,83					P86			
		15	0,065	1,65					P861			
		16	0,058	1,47					P87			
		17	0,049	1,24					P871			
		18	0,049	1,24					P88			
		19	0,042	1,07					P881			
		20	0,035	0,89					P89			

3WTTC-3000 Three Wheels Type Tube Cutter



The 3WTTC-2000 greatly reduces cutting time by utilizing the special 3 point self-centering cutter wheel design and works with 2", thru 4" O.D. tubes. **The tool does not create any chips during the cutting process!**

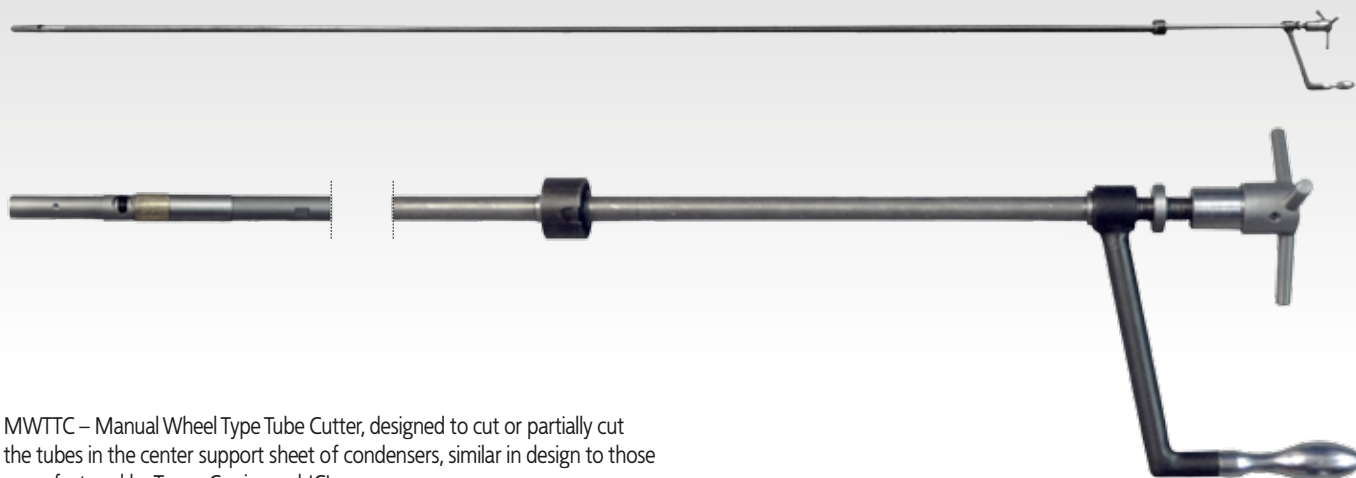
Depending on operator experience and tube material the KRAIS 3WTTC-2000 can cut 2" GA 12 in between 6 to 12 seconds. Real tube to tube cycle time is approximately 30 seconds, giving unmatched productivity.

TUBE OD		TUBE GAUGE			CUTTER WHEEL HOLDER	CUTTER WHEEL	WHEEL PIN	PILOT EXTENSION	PILOT	THRUST COLLAR	COLLAR DEPTH	
[inch]	[mm]	[bwg]	[inch]	[mm]							LONG	SHORT
2 1/2	63.50	8	0,165	4,19	CCWH-55	CW-19	CP-4	PE-WTTC-3	P350	TC-3200	TCDS-L	TCDS-S
		9	0,148	3,76					P351			
		10	0,134	3,4					P352			
		11	0,12	3,05					P353			
		12	0,109	2,77					P354			
		13	0,095	2,41					P355			
		14	0,083	2,11					P356			
		15	0,072	1,83					P561			
		16	0,065	1,65					P357			
		17	0,058	1,47					P3571			
		18	0,049	1,24					P358			
		19	0,042	1,07					P3581			
		20	0,035	0,89					P359			
3	76.20	6	0,203	5,2	CCWH-60	CW-22	CP-5	PE-WTTC-3	P3606	TC-3200	TCDS-L	TCDS-S
		7	0,18	4,6					P3607			
		8	0,148	4,19					P360			
		9	0,148	3,76					P361			
		10	0,134	3,4					P362			
		11	0,12	3,05					P363			
		12	0,109	2,77					P364			
		13	0,095	2,41					P365			
		14	0,083	2,11					P366			
		15	0,072	1,83					P3661			
		16	0,065	1,65					P367			
		17	0,058	1,47					P3671			
		18	0,049	1,24					P368			
		19	0,042	1,07					P3681			
		20	0,035	0,89					P369			

3WTTC-3000 Three Wheels Type Tube Cutter

TUBE OD		TUBE GAUGE			CUTTER WHEEL HOLDER	CUTTER WHEEL	WHEEL PIN	PILOT EXTENSION	PILOT	THRUST COLLAR	COLAR DEPTH	
[inch]	[mm]	[bwg]	[inch]	[mm]							LONG	SHORT
3 1/2	88.90	6	0,203	5,2	CCWH-65	CW-22	CP-5	PE-WTTC-3	P3716	TC-3400	TCDS-L	TCDS-S
		7	0,18	4,6					P3717			
		8	0,148	4,19					P370			
		9	0,134	3,4					P371			
		10	0,12	3,05					P372			
		11	0,109	2,77					P373			
		12	0,095	2,41					P374			
		13	0,083	2,11					P375			
		14	0,072	1,83					P376			
		15	0,065	1,65					P3761			
		16	0,058	1,47					P377			
		17	0,049	1,24					P3771			
		18	0,049	1,24					P378			
		19	0,042	1,07					P3781			
		20	0,035	0,89					P379			
4	101.60	6	0,203	5,2	CCWH-70	CW-22	CP-5	PE-WTTC-3	P3806	TC-3400	TCDS-L	TCDS-S
		7	0,18	4,6					P3807			
		8	0,148	4,19					P380			
		9	0,134	3,4					P381			
		10	0,12	3,05					P382			
		11	0,109	2,77					P383			
		12	0,095	2,41					P384			
		13	0,083	2,11					P385			
		14	0,072	1,83					P386			
		15	0,065	1,65					P3861			
		16	0,058	1,47					P387			
		17	0,049	1,24					P3871			
		18	0,049	1,24					P388			
		19	0,042	1,07					P3881			
		20	0,035	0,89					P389			
5	127	6	0,203	5,2	CCWH-80	CW-22	CP-5	PE-WTTC-3	P3906	TC-3500	TCDS-L	TCDS-S
		7	0,18	4,6					P3907			
		8	0,134	4,19					P390			
		9	0,134	3,4					P391			
		10	0,12	3,05					P392			
		11	0,109	2,77					P393			
		12	0,095	2,41					P394			
		13	0,083	2,11					P395			
		14	0,072	1,83					P396			
		15	0,065	1,65					P3961			
		16	0,058	1,47					P397			
		17	0,049	1,24					P3971			
		18	0,049	1,24					P398			
		19	0,042	1,07					P3981			
		20	0,035	0,89					P399			

MWTTTC Manual Wheel Type Tube Cutter



MWTTTC – Manual Wheel Type Tube Cutter, designed to cut or partially cut the tubes in the center support sheet of condensers, similar in design to those manufactured by Trane, Carrier and JCI.

The MWTTTC has adjustable wheel travel that accurately controls the amount of tube wall the operator can cut. Typically 98% or less is easily set up. The MWTTTC comes as standard with 120" reach (3m). On request we can manufacture up to 196" reach (5m).

We recommend our MCP-100 Manual Collet Puller as a companion tool to the MWTTTC, this allows quick and trouble free stub and tube extraction.



TUBE OD		TUBE GAUGE			TOOL NR	WHEEL HOLDER	WHEEL PIN	CUTTING		
[inch]	[mm]	[bwg]	[inch]	[mm]				CUTTER WHEEL	PILOT	THRUST COLLAR
3/4	19.05	14	0,083	2,11	MWTTTC-750	1CCWH-190	CP-20	CW-21	P-008	MWTC-750
		15	0,072	1,83				CW-21	P-009	
		16	0,065	1,65				CW-21	P-010	
		17	0,058	1,47				CW-21	P-011	
		18	0,049	1,24				CW-21	P-012	
		19	0,042	1,07		1CCWH-19-2		CW-21	P-013	
		20	0,035	0,89				CW-21	P-014	
		21	0,032	0,81				CW-21	P-015	
		22	0,028	0,71				CW-21	P-016	
		23	0,025	0,63				CW-21	P-017	
		24	0,022	0,56				CW-31	P-018	
		7/8	22.23	14				0,083	2,11	
15	0,072			1,83	CW-25	P-020				
16	0,065			1,65	CW-25	P-021				
17	0,058			1,47	CW-25	P-022				
18	0,049			1,24	CW-25	P-023				
19	0,042			1,07	1CCWH-222-2	CW-25	P-024			
20	0,035			0,89		CW-25	P-025			
21	0,032			0,81		CW-25	P-026			
22	0,028			0,71		CW-25	P-027			
23	0,025			0,63		CW-25	P-028			

MWTTC Manual Wheel Type Tube Cutter

TUBE OD		TUBE GAUGE			TOOL NR	WHEEL HOLDER	WHEEL PIN	CUTTING		
[inch]	[mm]	[bwg]	[inch]	[mm]				CUTTER WHEEL	PILOT	THRUST COLLAR
1	25.40	12	0,907	2,77	MWTTTC-1000	1CCWH-254	CP-25	CW-31	P-029-1	MWTC-1000
		13	0,935	2,41				CW-31	P-029-2	
		14	0,083	2,11				CW-31	P-029	
		15	0,072	1,83				CW-31	P-030	
		16	0,065	1,65				CW-31	P-031	
		17	0,058	1,47				CW-31	P-032	
		18	0,049	1,24		1CCWH-254-2		CW-31	P-033	
		19	0,042	1,07				CW-31	P-034	
		20	0,035	0,89				CW-31	P-035	
		21	0,032	0,81				CW-31	P-036	
		22	0,028	0,71				CW-31	P-037	
		23	0,025	0,63				CW-31	P-038	
		24	0,022	0.56				CW-31	P-039	

TubePuller MCP-100

MCP-100 manual collet type tube puller for quick and easy tube stub removal from heat exchangers, condensers, chillers and other tubular pressure vessels.

Manually operated develop up to 10 Tons pulling force (depend on the arm length of the ratchet wrench), with 4" stroke. Can be used for tubes form 5/8" (16mm) to 1" (25 mm) O.D. Recommended for smaller amount of tube to be pulled.



TUBE O.D.	TUBE GAUGE	GRIPPER SET	DRAW MANDREL	NOSE PIECE	LOCK NUT	ADJUST NUT	JAW O'RING	C O'RING
5/8"	16-17	CP-1000-01-58-16	CP-105-03-58	CP-105-06A-58	CP-10-LN-58	CP-10-AN-58	CP-2220	CP-1724
	18-19	CP-1000-01-58-18						
	20-21	CP-1000-01-58-20						
	22-23	CP-1000-01-58-22						
3/4"	16-17	CP-1000-01-34-16	CP-105-03-34	CP-105-06A-34	CP-10-LN-34	CP-10-AN-34	CP-2220	CP-1724
	18-19	CP-1000-01-34-18						
	20-21	CP-1000-01-34-20						
	22-23	CP-1000-01-34-22						
7/8"	16-17	CP-1000-01-78-16	CP-105-03-78	CP-105-06A-78	CP-10-LN-78	CP-10-AN-78	CP-2220	CP-1724
	18-19	CP-1000-01-78-18						
	20-21	CP-1000-01-78-20						
	22-23	CP-1000-01-78-22						
1"	16-17	CP-1000-01-1-16	CP-105-03-1	CP-105-06A-1	CP-10-LN-1	CP-10-AN-1	CP-2220	CP-1724
	18-19	CP-1000-01-1-18						
	20-21	CP-1000-01-1-20						
	22-23	CP-1000-01-1-22						

Tube Expanders

1300 - Condenser and Heat Exchangers Tube Expander (range: 3/8")



900 - Condenser and Heat Exchangers Tube Expander (range 1/4"÷3/8")



800 - Condenser and Heat Exchangers Tube Expander (range: 1/2" ÷ 1-1/2")



1200 - Condenser and Heat Exchangers Tube Expander (range: 1/2" ÷ 1-1/2")



F-600 - Flare Type Condenser Tube Expanders (range: 5/8" ÷ 1")



800-5 - Condenser and Heat Exchangers Tube Expander (range: 5/8" ÷ 1-1/2")



1200-5 - Condenser and Heat Exchangers Tube Expander (range: 3/4" ÷ 1-1/2")



8012 - Condenser and Heat Exchangers Tube Expander (range: 1-3/4" ÷ 3")



KS Series Boiler Tube expanders (range: 1"÷4")



FTPZ Parallel Expansion Firetube Expanders (range: 2"÷3")



PZ Series Boiler Tube expanders (range: 1"÷4")



CBR Combination Beading Rolling Expanders (range: 2"÷3")



P2 - Series Boiler Tube expanders (range: 1-1/4" ÷ 3")



FTKS - Firetube Boiler Flaring Tube Expanders (range: 2"÷3")



Universal Combination Roller Beading Tool (range: 2"÷3")

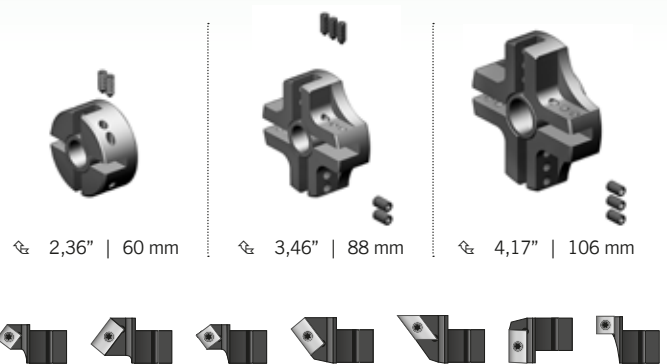
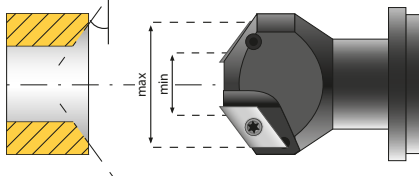


MiniMill 100 ► Tube and pipe beveling application



MAIN UNIT	APPLICATION RANGE	LOCKING RANGE	POWER	TORQUE	AIR CONSUMPTION	WIDTH WITH-OUT HEAD	HEIGHT	WEIGHT
MiniMill 100	0,5" – 3,5" OD	0,83" – 2,91" ID	1,3 Hp	105 Ft.Lbs	55 cfm	2,32"	13,1"	14,9 Lbs
	12,7 – 90 mm	21 – 74 mm		140 Nm	1,3 m³/min	59 mm	335 mm	6,8 kg

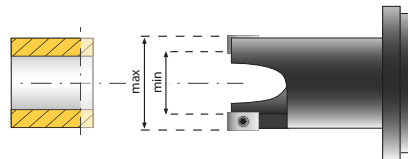
Seal and strength weld removal head



MiniMill 300 ► Tube Facing and Trimming machine



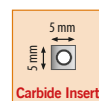
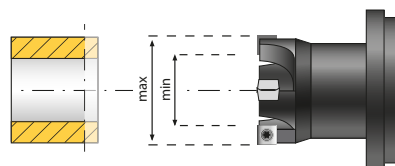
MAIN UNIT	APPLICATION RANGE	LOCKING RANGE	POWER	TORQUE	AIR CONSUMPTION	WIDTH WITH-OUT HEAD	HEIGHT	WEIGHT
MiniMill 300	5/8" – 1,5" OD	0,5" – 0,9" ID	1,3 Hp	32 Ft.Lbs	55 cfm	2,32"	13,1"	14,9 Lbs
	16 – 38 mm	12,7 – 23 mm		43 Nm	1,3 m³/min	59 mm	335 mm	6,8 kg



MiniMill 300GFF ► Fin Fan cooler gasket seat facing



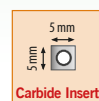
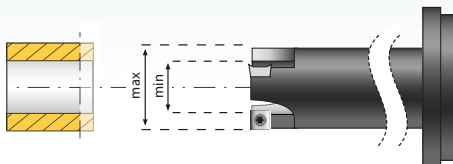
MAIN UNIT	HEAD	APPLICATION RANGE	LOCKING RANGE	POWER	TORQUE	AIR CONSUMPTION	WIDTH WITHOUT HEAD	HEIGHT	WEIGHT
MiniMill 600	Heads are made upon order based on plug and gasket size details	0,625" – 1" OD	Special, made for the tube plug	1,3 Hp	18 Ft.Lbs	55 cfm	2,32"	13,1"	9 Lbs
		15,8 – 25,4 mm			24 Nm	1,3 m³/min	59 mm	335 mm	4,5 kg



MiniMill 600FF ► FinFan cooler tube facing application



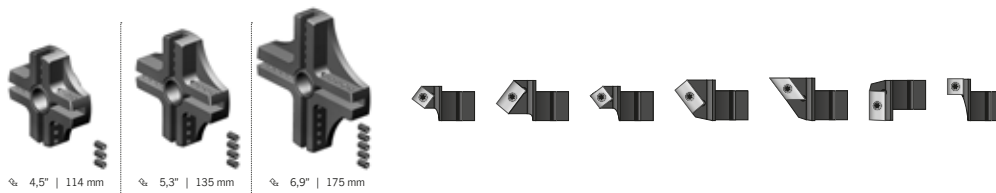
MAIN UNIT	HEAD	APPLICATION RANGE	LOCKING RANGE	POWER	TORQUE	AIR CONSUMPTION	WIDTH WITHOUT HEAD	HEIGHT	WEIGHT
MiniMill 600	Jaws and holder are supplied to specified diameter	0,750" – 1,5" OD	0,5" – 1,37" ID	1,3 Hp	18 Ft.Lbs	55 cfm	2,32"	13,1"	13,2 Lbs
		19 – 38 mm	12,7 – 37 mm		24 Nm	1,3 m ³ /min	59 mm	335 mm	6 kg



HyperMill ► HyperMill 50/100/75



Main unit	HyperMill 55		HyperMill 100		HyperMill 75	
Standard head	5,3"	135 mm	5,3"	135 mm	6,9"	175
Application range OD	7/8" – 5"	22 – 135 mm	7/8" – 5"	22 – 135 mm	2" – 6"	50 – 162 mm
Locking range ID	1,37" – 4,37"	35 – 135 mm	1,37" – 4,37"	35 – 135 mm	2" – 5,6"	50 – 142 mm
Power	1,3 Hp		1,3 Hp		2,3 Hp	
Torque	210 Ft.Lbs	280 Nm	210 Ft.Lbs	280 Nm	540 Ft.Lbs	720 Nm
Air consumption	55 cfm	1,3 m ³ /min	55 cfm	1,3 m ³ /min	70 cfm	2,2 m ³ /min
Width without head	3,22"	82 mm	3,22"	82 mm	3,22"	82 mm
Height	15"	385 mm	15"	385 mm	19"	485 mm
Weight	19 Lbs	9 kg	19 Lbs	9 kg	23 Lbs	10,5 kg



PipeMill 8



Main unit	PipeMill 8	
Standard head	8,625"	219,07 mm
Optional head	10,75"	273,05 mm
Capacity up to	10"	254,0 mm
Application range OD	2,25" – 8", opt. 10"	57,15 - 219,7 mm; opt. 273,05 mm
Locking range ID	2" – 6,8", opt. 8,5	50,8 - 172,72 mm; opt. 215,9 mm
Power	2,25 Hp	
Torque		
Air consumption	70 cfm	2,2 m ³ /min
Width without head	5,7"	145 mm
Height	21,5"	550 mm
Weight	52,9 Lbs	24 kg

Depend on gear box configuration:

15 rpm	2544 Nm	1908 Ft.lbs
20 rpm	1883 Nm	1415 Ft.lbs
28 rpm	1290 Nm	969 Ft.Lbs
37 rpm	971 Nm	730 Ft.Lbs



Equipment Group Ltd.

812 Utah Street, South Houston, Texas 77587

Phone: 713 944 2775,

Fax: 713 944 289

www.equipmentgroup.com

sales@equipmentgroup.com

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