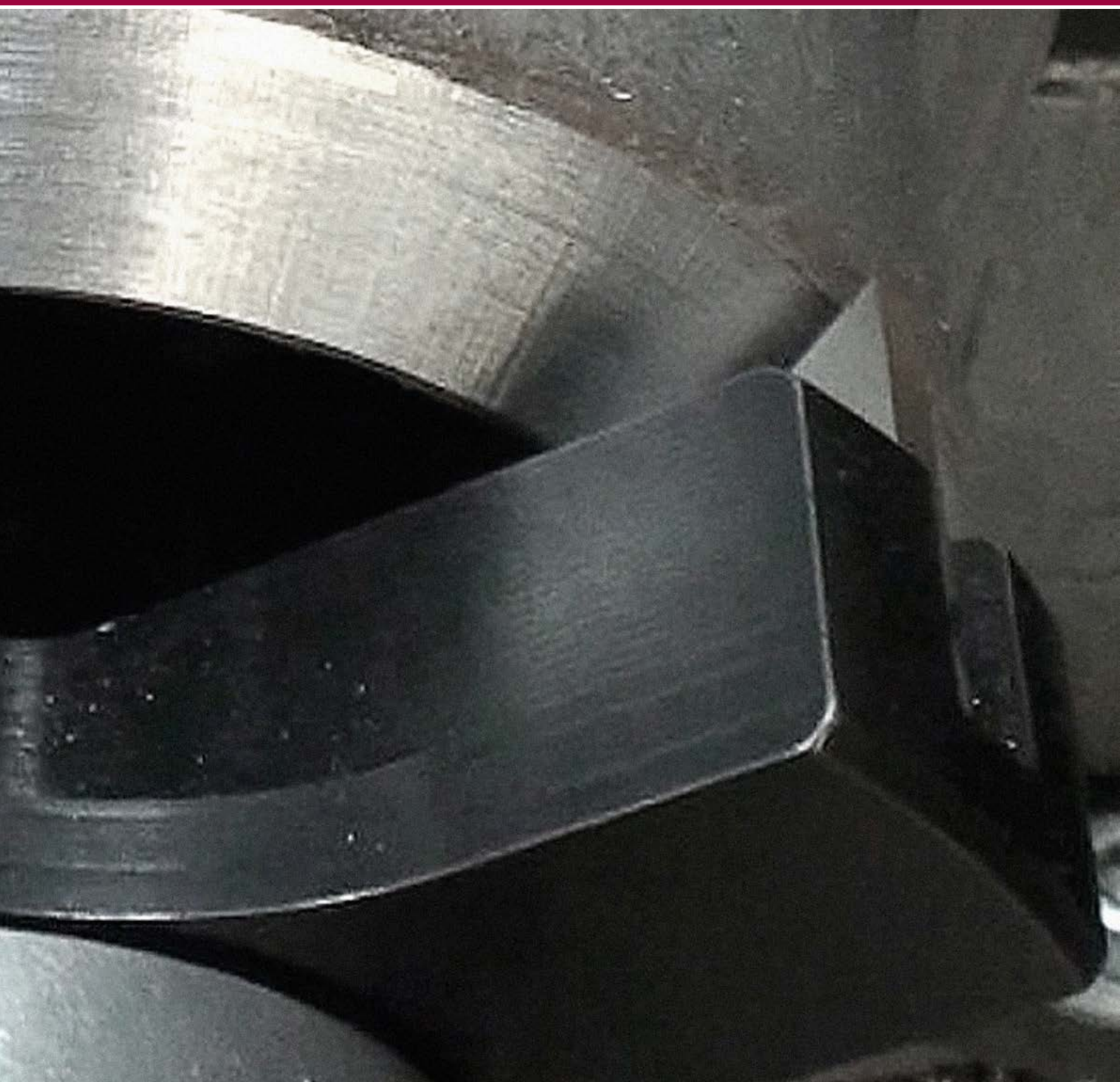


CHAPTER TWO

Hypermill Series



HyperMill 100

The HyperMill series pneumatic tube facing, bevelling and weld removal machine. The HyperMill is a rugged, fast, portable weld end preparation lathe for various tubes including stainless steel and other high chromium alloys. A standard machine is equipped to cover 35 to 111 mm ID (1.378" to 4,370"), with a 114 mm cutter.

SHAFT HM20



A special shaft for HyperMill.
Clamping range 20 to 44 mm inside diameter (0.787" to 1.732")

JAWS FOR SHAFT HM20, PAGE 56

SHAFT HM35



A special shaft for HyperMill.
Clamping range 35 to 111 mm inside diameter (1.378" to 4.409")

JAWS FOR SHAFT HM35, PAGE 56



	STANDARD HEAD	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	TORQUE	FEED STROKE
HyperMill 100	114,0 mm	20 – 111 mm	35 – 111 mm	100 Rpm	144 Nm	40 mm
	4,488"	0,787 – 4,370"	1,378 – 4,37"		106,2 Ft.Lbs	1,6"

Recommended for **Tube facing ■ Tube bevelling**

Air consumption:	55 cfm	1,3 m³/min	Body width:	3,22"	82 mm	Body height:	15"	385 mm	Body weight:	19 Lbs	9 kg
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CUTTER HEADS



RATCHED FEED RM



A practical and easy to use lever feed. Ideal for limited access applications within boilers or channel heads of heat exchangers.

SPEED REDUCER



An optional speed reducer can be used for seal and strength weld removal applications including duplex, super duplex and other hard to machine alloys.

SPEED REDUCER, PAGE 4

MRBMH



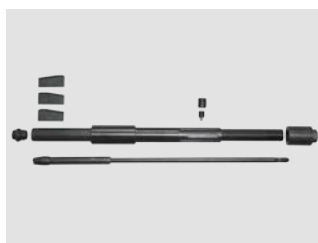
A seal weld removal head over tube circumference prior to re-welding the damaged joint without removing the tube.

TABLE FOR MMRBMH/PMRBMH, PAGE 53

HyperMill 55

The HyperMill series pneumatic tube facing, bevelling and weld removal machines. The HyperMill is a rugged, fast, portable weld end preparation lathe for various tubes and pipes, including stainless steel and other high chromium materials. A standard machine is equipped with a locking system to cover sizes of 35 to 128 mm ID (1.378" to 5.039") with a 135 mm cutter head.

SHAFT HM20



A special shaft for HyperMill. Clamping range 20 to 44 mm inside diameter (0.787" to 1.732")

JAWS FOR SHAFT HM20, PAGE 56

SHAFT HM35



Special shaft for HyperMill. Clamping range 35 to 128 mm inside diameter (1.378" to 5.039")

JAWS FOR SHAFT HM35, PAGE 56



	STANDARD HEAD	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	TORQUE	FEED STROKE
HyperMill 55	135,0 mm	20 – 128 mm	35 – 128 mm	55 Rpm	280 Nm	40 mm
	5,3"	0,866 – 5,039"	1,378 – 5,039"		210 Ft.Lbs	1,6"

Recommended for **Tube facing ■ Tube bevelling**

Air consumption:	55 cfm	1,3 m³/min	Body width:	3,22"	82 mm	Body height:	15"	385 mm	Body weight:	19 Lbs	9 kg
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CUTTER HEADS



OPTIONAL
114 mm | 4,6"

STANDARD
135 mm | 5,3"

OPTIONAL
175 mm | 6,9"

RATCHED FEED RM



A practical and easy to use lever feed. Ideal for limited access applications within boilers or channel heads of heat exchangers.



SPEED REDUCER



SPEED REDUCER, PAGE 4

HyperMill 55E

HyperMill-E series, electrically driven tube facing, bevelling and weld removal machines. The HyperMill-E is a rugged, fast, portable weld end preparation lathe for various tubes and pipes, including stainless steel and other high chromium materials. A standard machine is equipped with a locking system to cover sizes of 35 to 128 mm ID (1.378" to 5.039"), with a 135 mm cutter head.

SHAFT HM20



A special shaft for HyperMill.
Clamping range 20 to 44 mm inside diameter (0.787" to 1.732")

JAWS FOR SHAFT HM20, PAGE 56

SHAFT HM35



Special shaft for HyperMill.
Clamping range 35 to 128 mm inside diameter (1.378" to 5.039")

JAWS FOR SHAFT HM35, PAGE 56



ELECTRIC DRIVEN

	STANDARD HEAD	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	TORQUE	FEED STROKE
HyperMill 55E	135,0 mm	20 – 128 mm	35 – 128 mm	55 Rpm	280 Nm	40 mm
	5,3"	0,787 – 5,039"	1,378 – 5,039"		210 Ft.Lbs	1,6"

Recommended for **Tube facing ■ Tube bevelling**

Power:	230V	Body width:	3,22"	82 mm	Body height:	15"	385 mm	Body weight:	19 Lbs	9 kg
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CUTTER HEADS



OPTIONAL
114 mm | 4,6"

STANDARD
135 mm | 5,3"

OPTIONAL
175 mm | 6,9"

RATCHED FEED RM



A practical and easy to use lever feed. Ideal for limited access applications within boilers or channel heads of heat exchangers.

HyperMill 75

HyperMill-75 is a pneumatic powered tube facing, bevelling and weld removal machine. It is a rugged, fast, portable weld end preparation lathe for various pipes including stainless steel and other exotic alloys. A standard machine is equipped with a locking system to cover sizes of 35 to 142 mm ID (1.378" - 5.591") with a 175 mm cutting head.



	STANDARD HEAD	APPLICATION RANGE	STD. LOCKING RANGE	FREE SPEED	TORQUE	FEED STROKE
HyperMill 75	175,0 mm	35 – 162,0 mm	35 – 142,0 mm	47 Rpm	720 Nm	40 mm
	6,9"	1,378 – 6,378"	1,378 – 5,591"		540 Ft.Lbs	1,6"

Recommended for **Tube facing ■ Tube bevelling**

Air consumption:	70 cfm	2,2 m³/min	Body width:	3,22"	82 mm	Body height:	19"	485 mm	Body weight:	23 Lbs	10,5 kg
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CUTTER HEADS

	OPTIONAL 114 mm 4,6"
	OPTIONAL 135 mm 5,3"
	STANDARD 175 mm 6,9"

RATCHED FEED RM



A practical and easy to use lever feed. Ideal for limited access applications within boilers or channel heads of heat exchangers.

SHAFT HM35

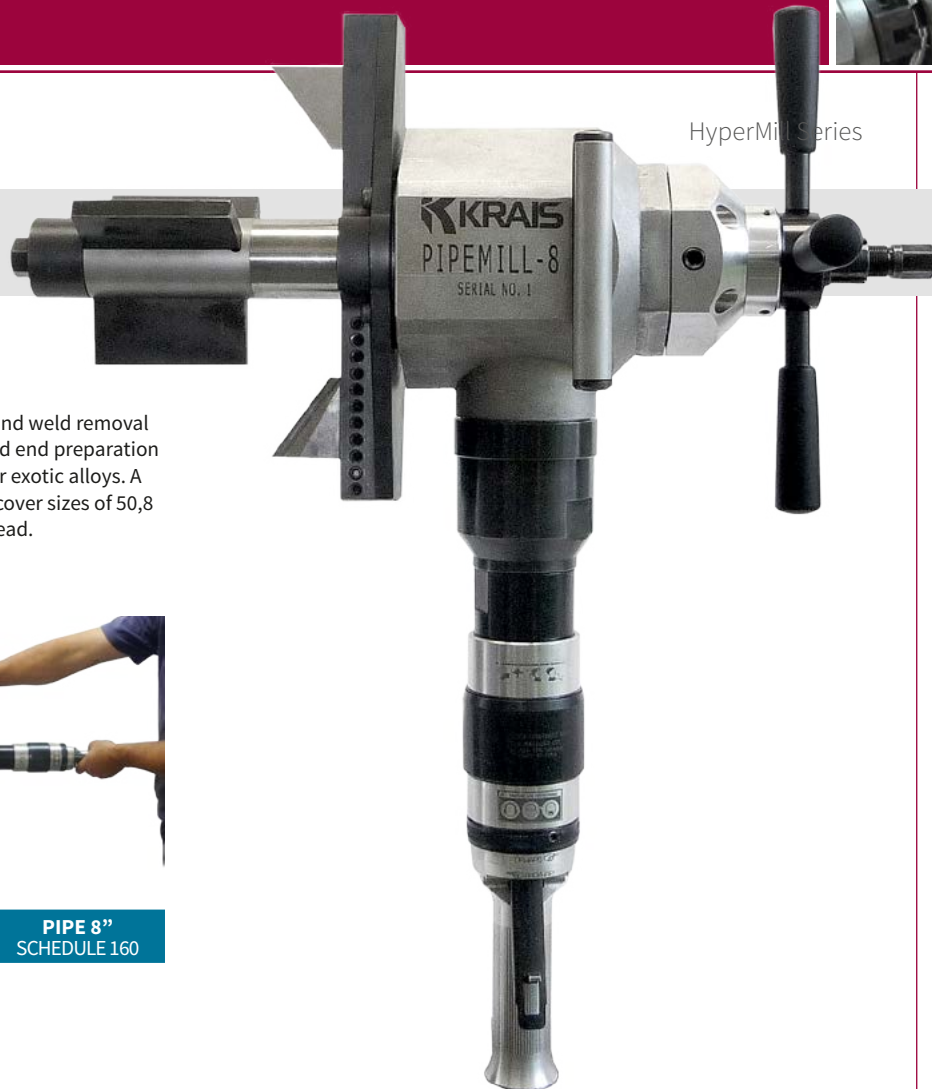
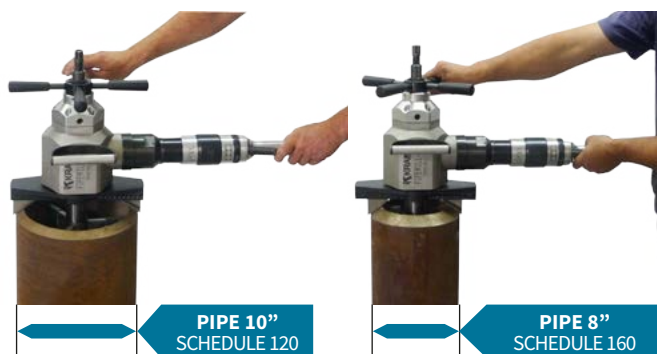


Special shaft for HyperMill. Clamping range 35 to 142 mm inside diameter (1.378" to 5.669")

JAWS FOR SHAFT HM35, PAGE 56

PipeMill

PipeMill is a pneumatic powered tube facing, bevelling and weld removal machine. The PipeMill is a rugged, fast and powerful weld end preparation lathe for various pipes including stainless steel and other exotic alloys. A standard machine is equipped with a locking system to cover sizes of 50,8 to 172 mm ID (2.000" to 6.800") with a 250 mm cutting head.



	CAPACITY	APPLICATION RANGE	LOCKING RANGE	TORQUE	FEED STROKE
PipeMill	254,0 mm	50,8 – 268 mm	50,8 – 172 mm	*	50 mm
	10"	2,000 – 10,551 "	2,00 – 6,80"		2"

Recommended for **Tube facing ■ Tube beveling ■ Seal weld removal**

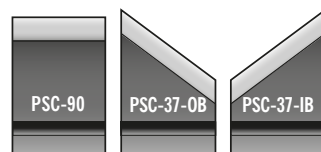
Air consumption:	70 cfm	2,2 m³/min	Body width:	5,7"	145 mm	Body height:	21,5"	550 mm	Body weight:	Lbs	24 kg
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CUTTER HEADS



STANDARD CUTTERS

FOR USE WITHOUT HOLDERS
BIT: HSS and HSS Cobalt



TORQUE

DEPENDS ON THE 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



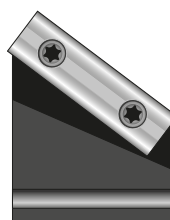
HyperMill Series

KRAIS Tube Expander

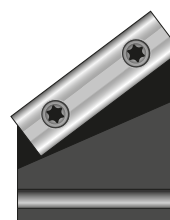
JAW SET	LOCKING RANGE [MM]		LOCKING RANGE [INCH]	
	MIN	MAX	MIN	MAX
501 PM#36	50,00	60,50	1,969	2,382
503 PM#36	60,00	70,50	2,362	2,776
505 PM#36	70,00	80,50	2,756	3,169
507 PM#36	80,00	90,50	3,150	3,563
509 PM#36	90,00	100,50	3,543	3,957
511 PM#36	100,00	110,50	3,937	4,350
513 PM#36	110,00	120,50	4,331	4,744
515 PM#36	120,00	130,50	4,724	5,138
517 PM#36	130,00	140,50	5,118	5,531
519 PM#36	140,00	150,50	5,512	5,925
521 PM#36	150,00	160,50	5,906	6,319
523 PM#36	160,00	170,50	6,299	6,713
525 PM#36	170,00	180,50	6,693	7,106
527 PM#36	180,00	190,50	7,087	7,500
529 PM#36	190,00	200,50	7,480	7,894
531 PM#36	200,00	210,50	7,874	8,287
533 PM#36	210,00	220,50	8,268	8,681
535 PM#36	220,00	230,50	8,661	9,075
537 PM#36	230,00	240,50	9,055	9,469
539 PM#36	240,00	250,50	9,449	9,862
541 PM#36	250,00	260,50	9,843	10,256
543 PM#36	260,00	270,50	10,236	10,650



HOLDERS FOR PIPEMILL



OB-45-37



IB-45-37



F-45-90