

HyperMill 56

Powerful pneumatic tube facing, bevelling and weld removal machine. The HyperMill 56 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 solid locking system to cover most common tube sizes.

STANDARD SET UP



SHAFT30

Self-align, heavy duty locking system. Shafts and jaws are longer and wider to ensure maximum clamping force.



135 MM (5,3")

The large cutter head, very sturdy and rigid, designed to fasten the wide range of cutting inserts.



Heavy duty locking system

STANDARD WORKING RANGE				TOTAL WORKING RANGE			
APPLICATION RANGE		LOCKING RANGE		APPLICATION RANGE		LOCKING RANGE	
30 – 136 mm		30 – 136 mm		20 – 175 mm		20 – 166 mm	
1,181 – 5,354"		0,181 – 4,354"		0,787 – 6,890"		0,787 – 6,535"	
FEED STROKE		POWER		FREE SPEED		TORQUE	
40 mm	1,6"	1,3 hp		55 rpm		280 Nm	210 Ft.lbs
55 cfm		1,3 m ³ /min		3,22"		82 mm	
				15"		385 mm	
						19 Lbs	9 kg

STANDARD HYPERMILL 56 LOCKING RANGES

SHAFT	JAWS	EXT.	RANGE [MM]		RANGE [INCH]		SPRING	
			MIN	MAX	MIN	MAX	NO.	QTY.
SHAFT30	NS-1		30,0	34,0	1,181	1,339	SP-29	1
	NS-2		34,0	39,0	1,339	1,535	SP-29	1
	NS-3		39,0	44,0	1,535	1,732	SP-30	2
	NS-4		44,0	49,0	1,732	1,929	SP-30	2
	NS-5		49,0	54,0	1,929	2,126	SP-30	2
	NS-6		54,0	59,0	2,126	2,323	SP-30	2
	NS-7		59,0	64,0	2,323	2,520	SP-30	2
	NS-8		64,0	69,0	2,520	2,717	SP-30	2
	NS-5	NS-10	66,0	71,0	2,598	2,795	SP-30	2
	NS-6	NS-10	71,0	76,0	2,795	2,992	SP-30	2
	NS-7	NS-10	76,0	81,0	2,992	3,189	SP-30	2
	NS-8	NS-10	81,0	86,0	3,189	3,386	SP-30	2
	NS-5	NS-20	86,0	91,0	3,386	3,583	SP-30	2
	NS-6	NS-20	91,0	96,0	3,583	3,780	SP-30	2
	NS-7	NS-20	96,0	101,0	3,780	3,976	SP-30	2
	NS-8	NS-20	101,0	106,0	3,976	4,173	SP-30	2
	NS-5	NS-30	106,0	111,0	4,173	4,370	SP-30	2
	NS-6	NS-30	111,0	116,0	4,370	4,567	SP-30	2
	NS-7	NS-30	116,0	121,0	4,567	4,764	SP-30	2
	NS-8	NS-30	121,0	126,0	4,764	4,961	SP-30	2

OPTIONAL JAWS

We deliver machines with selected shaft and set of jaws (below). For more locking options please refer to page 86

OPTIONAL SHAFTS



SHAFT20

Self-align, heavy duty locking system. Shafts and jaws are longer and wider to ensure maximum clamping force.



SHAFT25

Self-align, heavy duty locking system. Shafts and jaws are longer and wider to ensure maximum clamping force.

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OPTIONAL HEADS



116 MM (4,56")

The large cutter head, designed to fasten the wide range of cutting inserts.



175 MM (6,89")

Cutter head special for the largest machines, designed to fasten the wide range of cutting inserts.

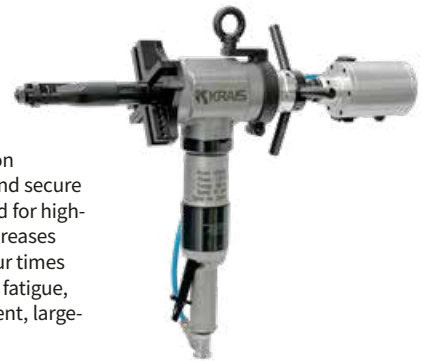


HMRBMH

Head for membrane and overlay removal. Efficiently remove material between boiler tubes.

HYPERMILL LP

The HyperMill LP features a built-in pneumatic locking system with a dual-piston cylinder, enabling fast and secure tube clamping. Designed for high-volume end preps, it increases productivity by up to four times while reducing operator fatigue, making it ideal for efficient, large-scale operations.



OTHER OPTIONAL ACCESSORIES



HEAD FLANGE

Adapter to use all MiniMill's special cutter heads (from size 1-1/2" and up).



SPEED REDUCER

Easy to use gearbox for 3x speed reduction. Increases the torque, enabling the machine to generate a thick chip whilst reducing the cutting time.



RATCHET FEED

Feed system allowing to work in narrow and tight locations, eg. in water walls.

AVAILABLE HOLDERS

Facing



F-45-90-HM
BIT:
2CDI

Inside beveling and boring



IB-45-37-HM
IB-45-10-HM
BIT:
2CDI

Outside beveling



OB-45-45-HM
OB-45-37-HM
OB-45-30-HM
OB-45-10-HM
BIT:
2CDI

HYPERMILL 56E

HyperMill 56E is electric version of HyperMill 56. The machine can cover the same pipe sizes and comes with the same cutting head. The electric motor made by Makita with 3 stage planetary gear box made by KRAIS has variable speed control and produce enormous torque. Is interchangeable with pneumatic drive and can be purchased separately at any time.

Model ED-230-HM
Free Speed 58 RPM
Power 750 W
Torque 720 Nm (530 Ft.Lbs)
Feed Stroke 40 mm (1,6")



BATTERY OPTION

The machine is also available with a portable electric drive 18 Volt 5.2 Ah 93.6 Wh Li-Lon battery. The machine can operate up to half hour on one battery. It is possible to have many charged batteries. Comfortable and easy to use in any place where compressed air and electricity is not available or even impossible to use as for example oil refinery.

