

TUBE END FORMING & TUBE MANIPULATION MACHINERY



Mobilpress PB 642 Tube Bending Machine

Machine for hydraulic bending of tubes of 6-42 mm in steel St35, St37, St52 as well as stainless steel tubes. The maximum bending efficiency is 38x5 mm resp. 42x4 mm.

Three different machines are available.

- > PBEH 642 F
- > PBEH 642
- > PBM 642

Technical Specifications PB 642 Mobilpress		PBEH 642 F	PBEH 642	PBM 642
		400 V / 3-phase	400 V / 3-phase	400 V / 3-phase
operating pressure	max. bar	250	250	
electric drive	Hz	50	50	
weight	ca. kg	70		
tube bending efficiency	mm diameter x wall thickness	38x5 or 42x4	38x5 or 42x4	
order code		PRESSBIEGER PBEH 642 - F	PRESSBIEGER PBEH 642	PRESSBIEGER PBM

Tools	PB 642
Bending matrix	TPM
Bending wing head	TPG



Bending Tools TPM



Bending Wing Heads TPG

Tools TPM			
Description	tube OD mm; inch	thread tube OD mm	bending radius
TPM 06	6		2.0xD
TPM 08	8		2.0xD
TPM 10	10		2.0xD
TPM 12	12		2.0xD
TPM 14	14; 1/4	13.5	2.0xD
TPM 15	15		2.0xD
TPM 16	16		2.0xD
TPM 18	18; 3/8	17.2	2.5xD
TPM 20	20		2.0xD
TPM 22	22; 1/2	21.3	2.5xD
TPM 25	25		2.4xD
TPM 28	28; 3/4	26.9	2.7xD
TPM 30	30		2.5xD
TPM 35	35; 1	33.7	3.0xD
TPM 38	38		2.5xD
TPM 42	42; 1 1/4	42.1	3.0xD

Tools TPG	
Description	tube OD mm
TPG 6/8	6 + 8
TPG 10/12	10 + 12
TPG 14/16	14 + 16
TPG 18/20	18 + 20
TPG 22/25	22 + 25
TPG 28/30	28 + 30
TPG 35/38	35 + 38
TPG 42	42

TUBE END FORMING & TUBE MANIPULATION MACHINERY

THE WORLD OF ASSEMBLY MACHINERY

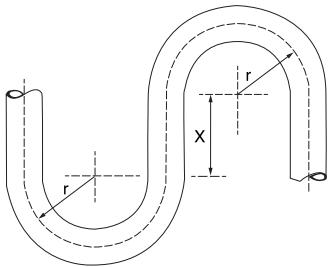


RBV 6/18 Tube Bending Device

This device comes with 6 changeable bending rollers for tubes from 6 to 18 mm.

Weight of each piece: approx. 4 kg

Ease-of-use: ideal for workshop independent, mobile bending operations.



Technical Specifications RBV 6/18					
Description	tube OD mm	gas tube	r	~ x	~ kg/pc
RBV 6/18	6		33.0	35	4
	8		34.0	35	
	10	1/8	35.5	35	
	12		36.5	35	
	14	1/4	36.5	35	
	15		44.0	38	
	16		44.0	38	
	18	3/8	51.5	42	

CUTTING MACHINES

Gates cutters – both the hose cutters and steel tube cutters - are robust and compact machines, and distinguish themselves by their safe and high-quality cutting function. Our range of electrical cutters is all hand controlled for guided cutting thus allowing for optimal speed control and a reduction of blade damage. The blades are positioned close to the powerful motors to limit vibration which enhances the durability and reduces maintenance costs. But there is more: low energy consumption, CE compliant brake motors for 3-phase cutting machines, built-in protection, limited smoke production ... all supporting your safe working environment and personnel safety.

OVERVIEW








Unicut TC 080 Metal Saw

Unicut is a compact transportable hand circular saw for all types of metal tubes. The saw can be used for straight and mitre cuts, has an integrated automatic cooler and offers best performance for accurate cuts in order to fit tubes perfectly.

Saw blades high-speed steel with DMO surface coating.

Dimension 250 x 2.0 x 32 with 2 side holes 12/64 mm.

cutting section		45°	90°
	mm Ø	70	80
	mm Ø	40	40
	mm	60	70
	mm	40	40
	mm	65x60	95x60

Technical Specifications Unicut TC 080		TC 080	TC 080
		400 V / 3-phase	220 V
mitre cuts		up to 45°	up to 45°
electric drive	kW/Hz	1.0/50	0.8/50
weight	ca. kg	71	71
rotational speed	rev/min	52	52
dimensions (mm)	H	700	700
	W	850	850
	D	450	450
order code		UNICUT TC 080/380V	UNICUT TC 080/220V

Tools	TC 080
Saw blade for thick-walled profiles and solid materials	HSS-SÄGEBLATT 250/128
Saw blade for thin-walled profiles and tubes	HSS-SÄGEBLATT 250/200

CUTTING MACHINES

THE WORLD OF ASSEMBLY MACHINERY



MKX 40 Hose Cutter

Heavy-duty hose cutter allowing quick and reliable production across all hose size ranges. Cuts up to 2" six spiral wire hose. The brake motor ensures the blade stops turning within 10 seconds after switch-off. For workshop professionals who want to further enhance their set-up and improve ease-of-use.

Ref: 7480-19229: 3 phase

Technical Specifications MKX 40		
		3 phase
power supply		380V
maximum capacity	WB	2"
	4SW	2"
	6SW	2"
motor (kW)		4.6
brake motor		x
noise level		90dB
suction connection (mm)		60
cutting blade		350x3x30
dimensions (mm)	H	430
	W	690
	L	745
weight (kg)		75
product number		7480-19229

CUTTING MACHINES



MKX 30 Hose Cutter

Robust cutter for all types of workshops. Cuts up to 1.1/4" six spiral wire hose. The brake motor ensures the blade stops turning within 10 seconds after switch-off.

Ref: 7480-19191: 3 phase

Technical Specifications MKX 30		
		3 phase
power supply		380V
maximum capacity	WB	1.1/4"
	4SW	1.1/4"
	6SW	1.1/4"
motor (kW)		3.0
brake motor		x
noise level		80dB
suction connection (mm)		80
cutting blade		275x3x30
dimensions (mm)	H	300
	W	440
	L	540
weight (kg)		50
product number		7480-19191

CUTTING MACHINES

THE WORLD OF ASSEMBLY MACHINERY



MKX 25 Hose Cutter

Compact cutting machine, perfectly suitable for the small workshop. Cuts up to 1.1/4" four spiral wire hose.

Ref: 7480-19190: 1 phase / 7480-19189: 12V

Technical Specifications MKX 25			
		DC	1 phase
power supply		12V	220V
maximum capacity	WB	1.1/4"	1.1/4"
	4SW	1.1/4"	1.1/4"
	6SW	--	--
motor (kW)		2.0	2.2
brake motor		--	--
noise level		93dB	90dB
suction connection (mm)		40	40
cutting blade		250x2.5x40	200x1.6x30
dimensions (mm)	H	365	540
	W	567	510
	L	470	400
weight (kg)		29	20
product number		7480-19189	7480-19190

ACCESSORIES



MKX Suction Unit

MKX Suction Unit allowing you to safely remove rubber particles and smoke released during the hose cutting operation. The particles are sucked into the container removing any hindering smell. The spark arrester between the cleaner box and the suction hose also ensures that glowing particles and rubber waste are immediately removed, thus minimizing the risk for fire.

Depending which MKX-cutter you have selected you can select the right adaptor to connect your cutter to the MKX suction unit:

- > MKX40 adaptor ring: 80 mm Ø connection (8000-10395)
- > MKX30 adaptor ring: 50 mm Ø connection (8000-10368)
- > MKX25 adaptor ring: 40 mm Ø connection (8000-10375)

Ref: 8000-10367

CRIMPING MACHINES

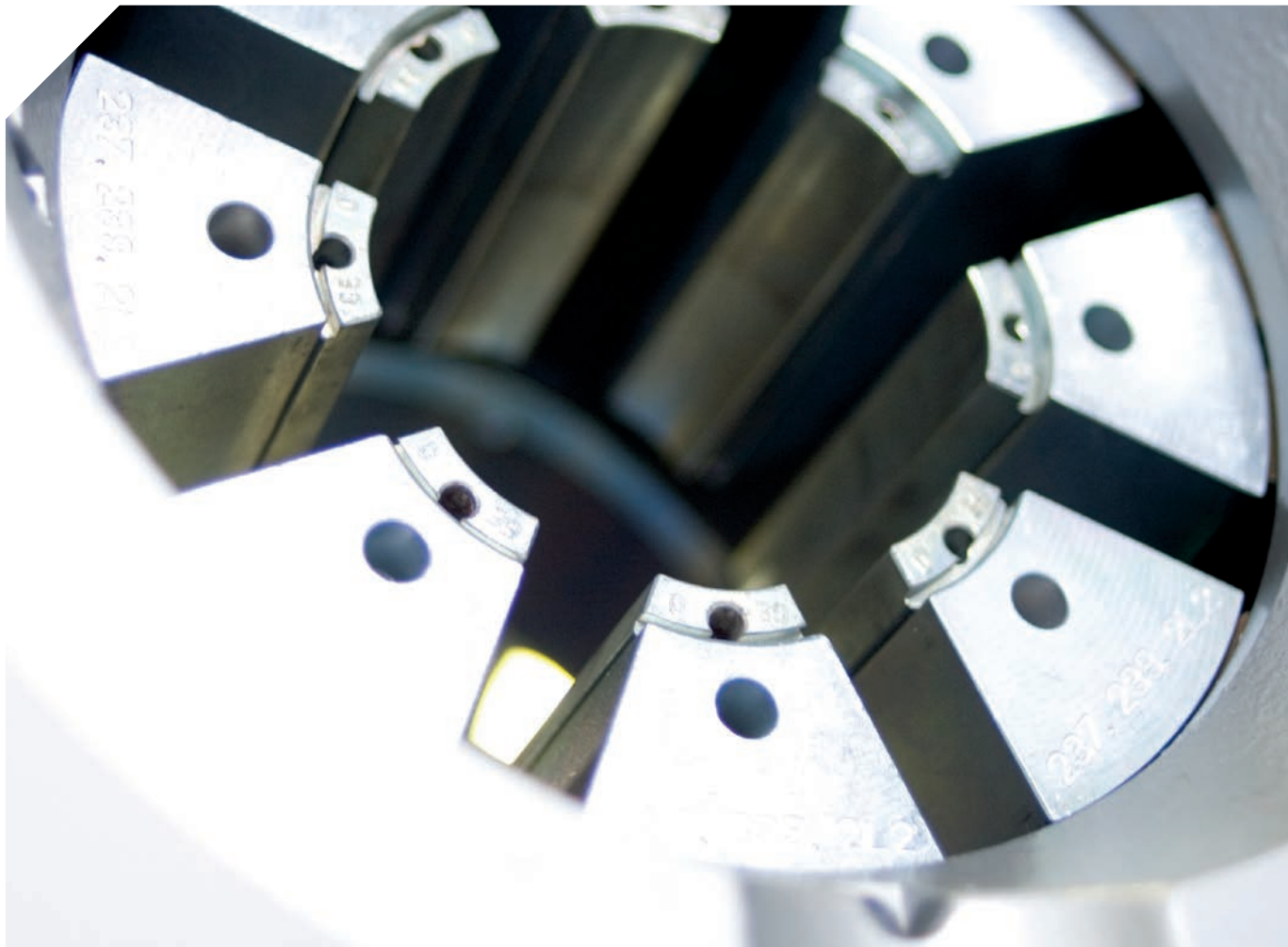
With Gates crimpers safe, fast and efficient assembly of hydraulic hoses and couplings is made simple. All machines are custom-designed to work with a well-defined range of Gates hoses and couplings allowing production of factory-quality assemblies fully complying with European Directives and the most stringent international standards. In addition, our self-assembly machinery offers the highest care and personal safety in your working environment (from workshops to mobile service operations and even on-site field crimping).

Lower maintenance costs from grease-free machines

Gates MCX crimpers cut your maintenance costs by running grease-free. These crimpers come with a unique, self-lubricating slide bearing system that cuts out metal-to-metal abrasion between master dies and the crimper head and cuts friction by 20%. No need for greasing also brings you a safer and cleaner working environment.

Easy-to-use products improve productivity

All Gates applications are designed to ensure fast, comfortable handling and we have incorporated this also in our crimper program. In our electrical-driven crimpers, a standard built-in storage rack lets you choose dies quickly, and die sets are easy-to-reach and organised logically. Field service crimping devices are portable and come with a detachable die storage case, solid and durable handles and resistant rubber protection layers. Our ergonomic design is highly valued both for its contribution to higher productivity figures and its fast approval by local Health and Safety Executives.



CRIMPING MACHINES

THE WORLD OF ASSEMBLY MACHINERY

OVERVIEW



MCX 50

Full-range crimper (up to 2" six spiral wire hose) for the professional workshop. Optional foot pedal to enable hands-free operation. Equipped with a die set storage rack allowing for logically organised die storage within easy reach of the operator, thus speeding up die selection and assembly.

Ref: 7480-19188: 3 phase

Technical Specifications MCX 50		
		3 phase
power supply		380V
maximum capacity	WB	2"
	4SW	2"
	6SW	2"
crimping force (ton)		280
motor (kW)		5.5
die set		239*/237-Dxx
cycle time (sec)		18
die storage		rack
dimensions (mm)	H	1400
	W	580
	L	610
weight (kg)		410
product number		7480-19188
options	marking dies	x**
	quick die change	x
	back stop	7480-19198
	foot pedal	7480-19199

* Only with intermediate dies.

** Marking die in type 239 only up to 239-D37.

CRIMPING MACHINES



MCX 30

Compact, operator-friendly machine to crimp the complete Gates range up to 1.1/4". Equipped with a die set storage rack allowing for logically organised die storage within easy reach of the operator, thus speeding up die selection and assembly. Also available for mobile service with separate DC power pack.

Ref: 7480-19187: 3 phase / 7480-19186: 1 phase / 7480-19186: 12V

Technical Specifications MCX 30				
		DC	1 phase	3 phase
power supply		12V	220V	380V
maximum capacity	WB	1.1/4"	1.1/4"	1.1/4"
	4SW	1.1/4"	1.1/4"	1.1/4"
	6SW	1.1/4"	1.1/4"	1.1/4"
crimping force (ton)		180	180	180
motor (kW)		1.8	2.2	3
die set		239-Dxx	239-Dxx	239-Dxx
cycle time (sec)		41	41	20
die storage		rack	rack	rack
dimensions (mm)	H	550	790	790
	W	475	600	600
	L	395	550	550
weight (kg)		125	170	170
product number		7480-19185	7480-19186	7480-19187
options	marking dies	x*	x*	x*
	quick die change	x	x	x

* Marking die in type 239 only up to 239-D37.