

FAST

Machinable pipe range 153-1530 mm

After thirty years of studying our customers' experience from every angle, the designers at GBC Industrial Tools created the FAST machines, bringing together the best and the most advanced of that long experience. With them GBC Industrial Tools confirmed its readiness to develop innovative machines and to lead the industry. FAST is not only suited to cutting and bevelling pipe ends; it is also an ideal answer for work on continuous pipelines. Its design combines the light weight, convenience and range of drive types of the MCA with the reliability, power and ruggedness of the SUPERCUTTER, and it adds a number of entirely new technical solutions: self-centring, a new way of mounting the support plates, an improved automatic radial tool feed and more.



APPLICATION: pipe from 150 to 1530 mm in diameter; PURPOSE: cutting the pipe while forming the weld bevel at the same time or in sequence; MATERIAL: carbon steel, stainless steel and others; DRIVE TYPES: electric / pneumatic / hydraulic;

G.B.C.®



electric



pneumatic



hydraulic

FAST — this machine is available in three different drive versions. The FAST can be fitted with an electric, a pneumatic or a hydraulic drive.



right



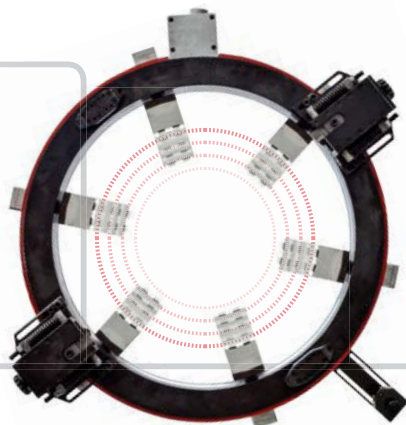
left



up

A 90° angle gearbox lets the drive be turned, which makes the machine convenient to work with in confined conditions.

One of the main distinguishing features of this type of machine is the innovative self-centring device, which centres the machine perfectly, cuts the time spent positioning it on the pipe considerably, and gives maximum stability thanks to the special high-strength support feet.



The split ring of the lightweight body allows the FAST to be mounted on an "endless" pipe without lifting gear.

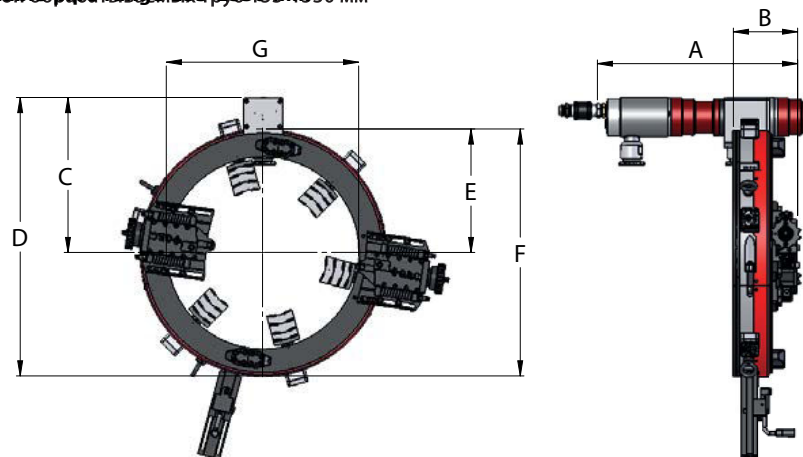


The copying tool slide, part of the standard supply, rolls along the outer surface of the pipe and forms the root face geometry accurately, following the ovality of the pipe. The slide is designed so tools can be changed quickly without removing the machine from the pipe. The FAST has an automatic radial tool feed.



TECHNICAL CHARACTERISTICS

		FAST 6-12	FAST 12-18	FAST 18-24	FAST 24-30	FAST 30-36	FAST 36-42	FAST 42-48	FAST 48-54	FAST 54-60
min	152	295	445							
Pipe clamping range mm				600	750	903	1058	1206	1357	
max	327	460	609	710	914	1088	1244	1393	1545	
Wall thickness of the pipe machined	mm 60		60	60	60	60	60	60	60	60
Radial feed mm	0,104				0,104	0,104	0,104	0,104	0,104	0,104
per revolution										
Weight	kg 110		130	150	170	190	225	245	265	285
PNEUMATIC										
Pneumatic drive power	kw 4,2		4,2	4,2	4,2	4,2	4,2	4,2	4,2	4,2
Air consumption	l/min 2800			2800	2800	2800	2800	2800	2800	2800
Air pressure	min MPa									
	max	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
		0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8
Rotation speed min	-1 21 17 14 12 10 9 8 7 6									
ELECTRIC										
Drive power W	2400 2400 2400 2400 2400 - - -									
Supply voltage	V 230		230	230	230	230	-	-	-	-
Mains frequency Hz	50 50 50 50 50 - - -									
Rotation speed	min-1 33		21	16	12	14	-	-	-	-
HYDRAULIC										
Drive power	kw 5		5	5	5	5	5	5	5	5
Hydraulic line pressure MPa	12 12 12 12 12 12 12 12									
Oil flow l	/min 30		30	30	30	30	30	30	30	30
Rotation speed min-1	23 18 14 11 9 8 7 6 5									

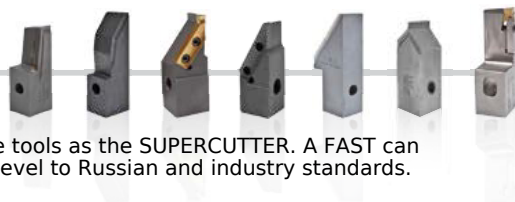


OVERALL DIMENSIONS

Model	Drive type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
FAST 6-12	pneumatic electric hydraulic	506 425 430,5	170,5	345,5	607,5	262	524	379
FAST 12-18	pneumatic electric hydraulic	506 425 430,5	170,5	411,5	739,5	328	656	510
FAST 18-24	pneumatic electric hydraulic	506 425 430,5	170,5	486,5	889,5	403	806	660
FAST 24-30	pneumatic electric hydraulic	506 425 430,5	170,5	564,5	1045,5	481	962	817
FAST 30-36	pneumatic electric hydraulic	506 425 430,5	170,5	639,5	1195,5	556	1112	967
FAST 36-42	pneumatic hydraulic	506 430,5	170,5	732,5	1372,5	640	1280	1135
FAST 42-48	pneumatic hydraulic	506 430,5	170,5	801,5	1519,5	718	1436	1291
FAST 48-54	pneumatic hydraulic	506 430,5	170,5	876,5	1669,5	793	1586	1440
FAST 54-60	pneumatic hydraulic	506 430,5	170,5	951,5	1819,5	868	1736	1592

TOOLING

FAST machines use the same tools as the SUPERCUTTER. A FAST can therefore prepare the weld bevel to Russian and industry standards.



Hydraulic power packs



MCA

Universal hydraulic power pack

Tank capacity L 90	
Electric drive kW V/Hz	7,5 400/50
Cooling type INTERCOOLER	
Remote control none	



MCA



FAST



SuperCutter

Hydraulic power pack for workshop use:

Tank capacity	л	240
Electric drive	kW V/Hz	11 400/50
Cooling type INTERCOOLER		
Remote control 10 m cable		



HyperCutter

Hydraulic power pack for workshop use:

Tank capacity	L	300
Электропривод	кВт В/Гц	18,5 400/50
Cooling type	INTERCOOLER	
Remote control 10 m cable		



SuperCutter



HyperCutter

Hydraulic power pack for field use and aggressive environments:

Hydraulic power packs can be made in a protective enclosure

