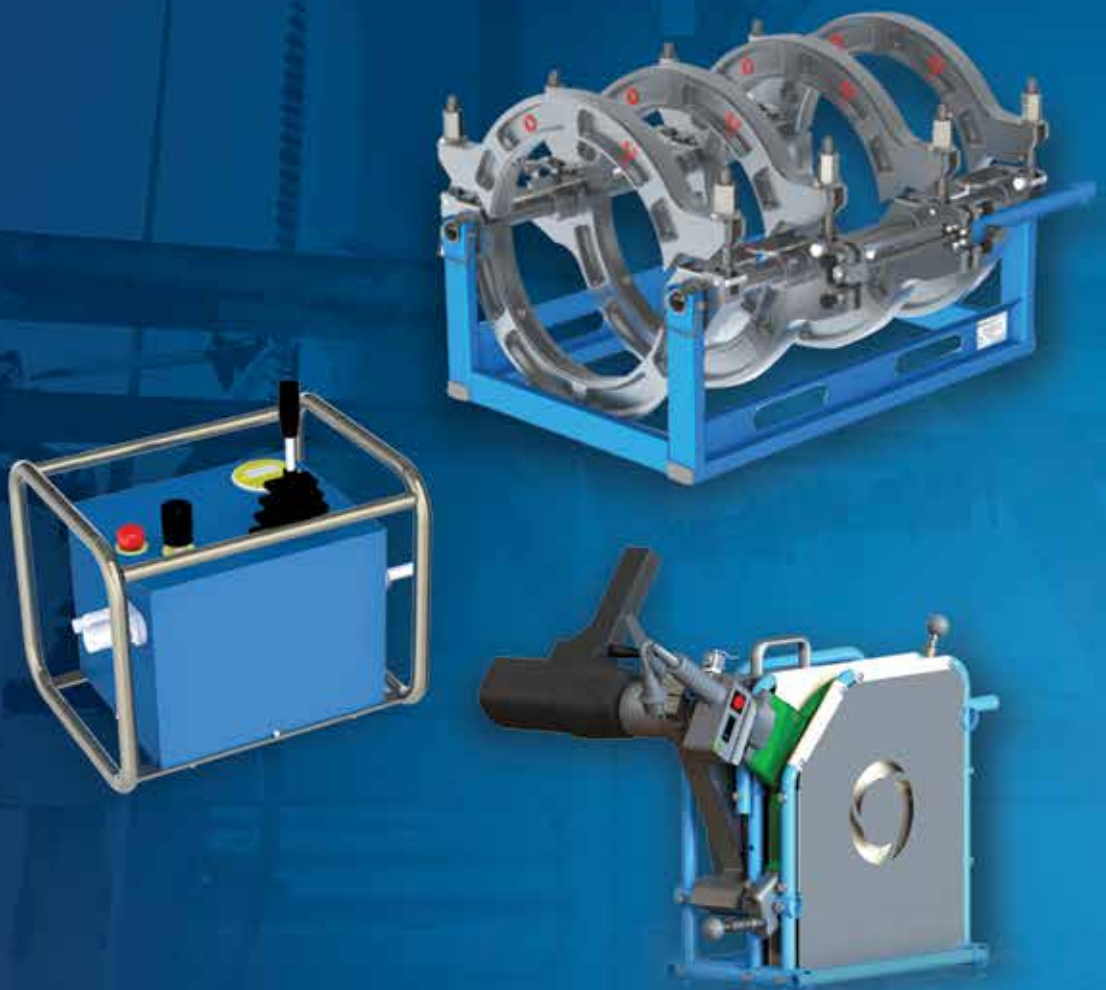


---

# WIDOS 355 Flex

---

We are proud to introduce the WIDOS 355 Flex, a light, robust and reliable solution in butt-welding machines for field and on-site works.







**DISCOVER TRUE WELDING EFFICIENCY**  
**with the WIDOS 355 FLEX**

OD (90mm - 355mm / 3" - 14")





# WIDOS 355 Flex

With a legacy of German technology excellence, the fusion of efficiency and robust construction quality converges to give life to the 355 FLEX.

Our butt-welding machine is the ultimate choice for enduring rugged use and continuous hours of operation, capable to function in confined spaces, both indoors and outdoors. The 355 FLEX is supported by WIDOS' expertise, assuring high quality weldings and long lasting operation.

Challenging work conditions often requires machines that are easy to handle, even by a single person, and flexible enough to maneuver in tight spaces. The market's demand for portable, modular, and user-friendly welding machines, specifically tailored for quick and reliable pipe installations in confined areas during field or on-site works, has influenced the design of a sturdy and portable welding machine.

With over 75 years of experience, WIDOS introduces the 355 Flex butt-welding machine, the first of its generation.



# FEATURES



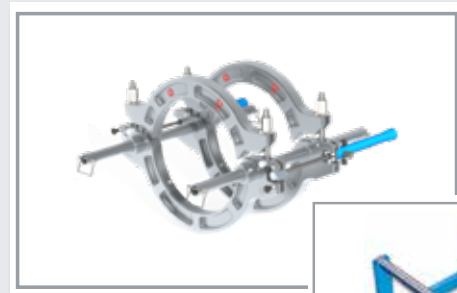
## BASIC MACHINE:

- Light weight & Compact design.
- Robust construction.
- No Screws, Spring-Loaded Bolts concept.
- Easy to assemble and disassemble at site
- 2, 3 or 4 ring working configuration.
- Fast changeout/replacement of cylinders.
- Easy handling and over-the-head operation.
- Easy transportation.



## CONVERT BASIC MACHINE TO 2-RING CONFIGURATION

The basic machine can be converted to a version with 2 clamping rings in just a few steps and without any additional tools.



WEIGHT: 54.0 Kg (119 lbs)

Basic machine (as 4-Ring configuration with all clamping tools and basic frame)

## PLANER:

- Robust chain drive with maximum torque.
- Motor can be disassembled any time and is interchangeable to any design.
- Spring loaded click system to keep the tool in place at any orientation and time.

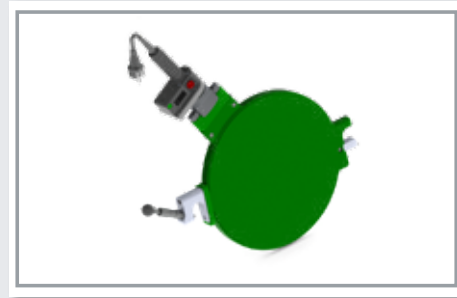


WEIGHT: 25 Kg (55 lbs)

**HEATING ELEMENT:**

Full metal design and long lasting anti-stick coating for lowest sticking and quick change over.

Spring loaded click system to keep the tool in place at any orientation and time.




---

**WEIGHT:**

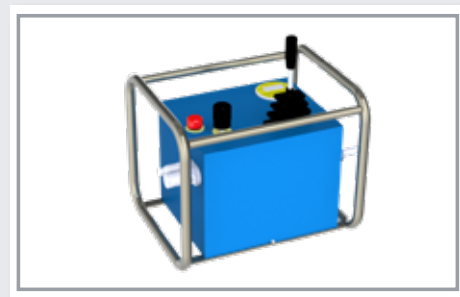
 12 Kg (26,5 lbs)
 

---

**HYDRAULIC POWER UNIT:**

The hydraulic unit can be conveniently transported to the place of use by means of the handles. The pressure gauge shows the current hydraulic pressure, which can be preset to a value using the rotary control for the pressure relief valve. At the oil filler neck there is a dipstick on the screw cap for checking the hydraulic oil level.

The hydraulic connections have drip-free quick-connect couplings.




---

**WEIGHT:**

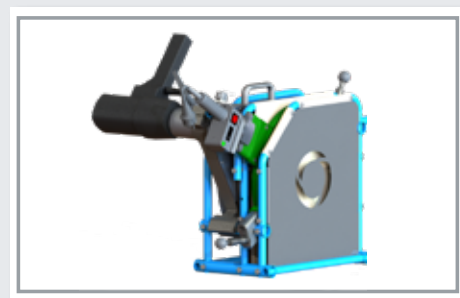
 25 Kg (55,2 lbs)
 

---

**PROTECTION BOX:**

Made out of round pipes only to avoid damages at heater and planer.

PTFE foil at heater slot for thermal insulation.




---

**WEIGHT:**

 9.5 Kg (21 lbs)
 

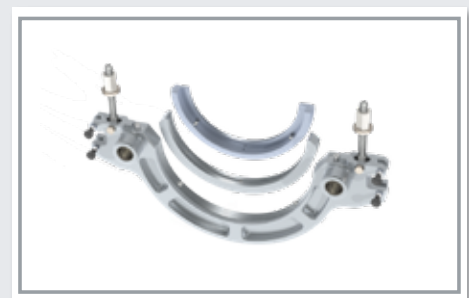
---

**REDUCER INSERTS/ADAPTERS:**

Spring loaded pins to fix the adapters and inserts into the basic machine.

No screws, push-button release concept.

OD (90mm - 315mm / 3" - 12")



# TECHNICAL DATA

## BASE FRAME

Dimensions (LxWxH)	900 X 730 X 510	mm
Clamping inserts	OD (90mm - 315mm / 3" - 12")	-
Material base frame	Constructional steel	-
Material clamping rings	Aluminium	-
Weight approx.	54	kg
Cylinder diameter	20	mm
Cylinder stroke length	200	mm
Force max. (F = P x A) at 100 bar	4020	N
Piston rod diameter	12	mm
Piston travel speed	7,8	cm/s
Short machine frame	Optionally available	

## PACKING DIMENSIONS

Transport box Dimensions (LxWxH) approx.	1250 x 930 x 770	mm
Transport box weight approx.	33	kg
Fan boxes for clamping inserts (LxWxH) 10-fold approx.	920 x 565 x 380	mm
Fan boxes for clamping inserts Weight 10-fold approx.	20	kg

## ELECTRICAL CONNECTION

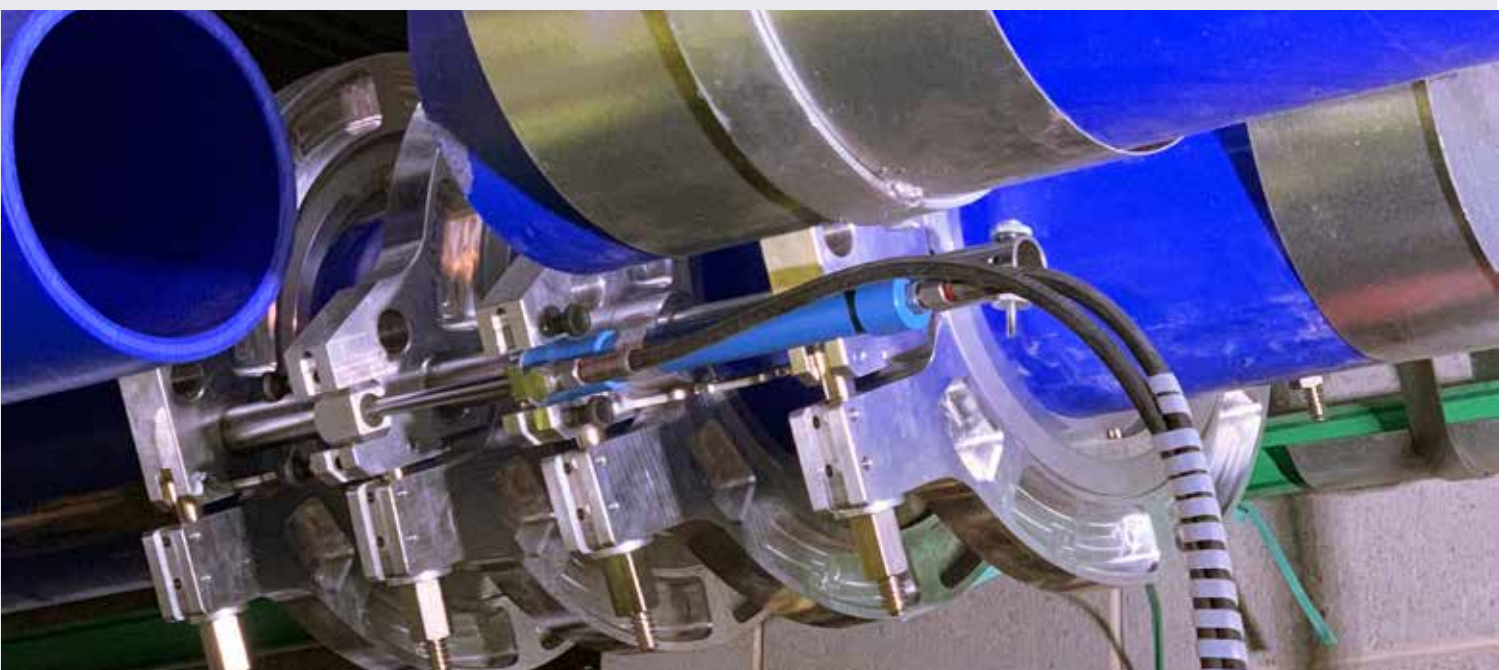
Power	6	kVA
Supply voltage, each +10/-15 % tolerance	230	V
Phase number	1/N/PE	-
Neutral conductor	Yes	-
Frequency	50/60	Hz
Connection cable, length without plug	3	m
Voltage source	Mains voltage	-
Fuse	16	A
Cable cross section	1,5	mm

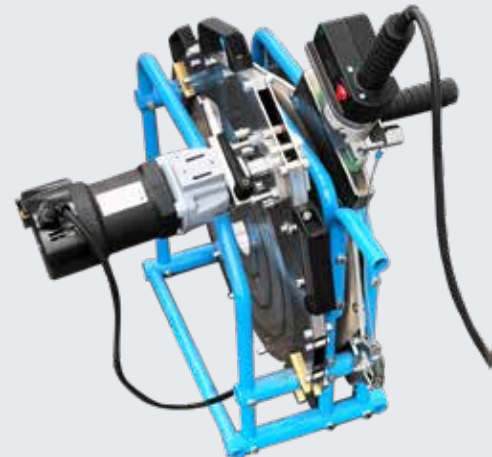
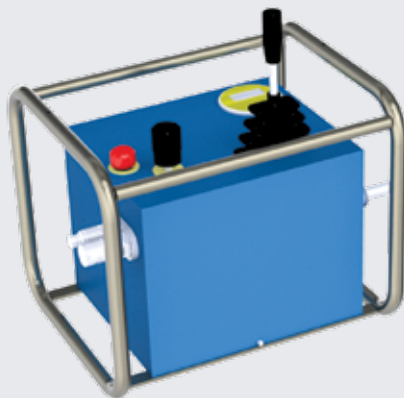
## HEATING ELEMENT

Power	2,8	kW
Voltage	230 (+/- 10 %)	V
Rated current	12,2 (+/- 10 %)	A
Frequency	50	Hz
Outer diameter	400	mm
Surface	PTFE film	-
Weight approx.	11,5	Kg
Attached elements	Electronic temperature control Control lamps, on/off switch, Connection cable with Schuko plug	-



<b>PLANER</b>		
Motor	Single phase AC universal motor	-
Power	1,75	kW
Voltage	230 (+/- 10 %)	V
Rated current	7,6	A
Frequency	50 (+/- 10 %)	Hz
Speed planing wheel max.	48	1/min
Engine speed	230 - 410	1/min
Weight approx.	25,6	kg
Attached elements	On/off switch with lock, Two-pin grounded plug	-
<b>HYDRAULIC POWER UNIT</b>		kW
Power	0,3	V
Voltage	230 (+/- 10 %)	A
Rated current	2,7	Hz
Frequency	50	1/min
Electric motor speed	1380	bar
Working pressure of the pump approx.	120	bar
Operating pressure	100	l/min
Volume flow	1,9	kg
Weight approx.	23	l
Hydraulic oil tank approx.	1	
<b>ACOUSTICS</b>		
Sound level during planing max.	86	dB (A)









# EXPERIENCE THE FUTURE OF WELDING **WITH WIDOS 355 FLEX!**

When it comes butt-welding machines, WIDOS 355 Flex stands as the pinnacle of strength and reliability. Based on our extended industry expertise, we've crafted a machine that exceeds expectations.

Join us on the cutting edge of welding technology. Discover why the WIDOS 355 Flex is your ultimate choice for field and on-site welding. Unleash the power of advanced technology and a robust design for unmatched performance.





**WIDOS**  
Welding. Together.

**Ready to elevate your welding experience?**

**Take the first step towards excellence  
with WIDOS 355 Flex.**

**Contact us now to request a demo and  
transform your welding capabilities!**

**WIDOS, LLC**

1375 Highlands Ridge Rd., SE  
Ste. A Smyrna, GA 30082

P: 678-766-1250  
F: 678-766-1249

[victor@widoswelding.com](mailto:victor@widoswelding.com)

[jeff@widoswelding.com](mailto:jeff@widoswelding.com)

[widoswelding.com](http://widoswelding.com)



**WIDOS**

**WILHELM DOMMER  
SÖHNE GMBH**

Einsteinstraße 5  
71254 Ditzingen | Germany

Fon: +49 7152 9939 0  
Fax: +49 7152 9939 40

[info@widos.de](mailto:info@widos.de)

[www.widos.de](http://www.widos.de)

