

# BRB 4

## Boiler pipe preparation machines

The solution for tight spaces!

Often only limited space is available for processing between welded boiler pipes. The compact and application-optimized housing design of our BRB machines allows the operator optimized handling in every position and is thus the solution for optimized seam preparation of pipe and pipe sheet connections in boiler and apparatus construction.



**The power pack in boiler pipe processing!**  
**The BRB series by Orbitalum, developed for boiler applications with very narrow space requirements, allows for precise welding preparations with optimum torque and simultaneously low weight.**

With the quick tool change (QTC®) patented by Orbitalum Tools the tool can be changed quickly and easily. All multifunctional tools (MFW) have up to 4 cutting edges and a high-performance coating against wear. This way pipe ends made of unalloyed, low-alloyed and high-alloyed steel with chromium-nickel content can be machined particularly quickly and economically with high precision. Machine and accessories are supplied in a robust hard-sided transport case.

### THE VARIOUS CLAMPING SYSTEMS:

The "NC" clamping system with its clamping wedges anchored in the mast is ideal for applications in which foreign objects may not enter the pipe inside or a tank. The "NC" clamping system provides additional certainty in particular at vertical applications.

### DRIVE VERSIONS:

#### Electric:

230 V, 50/60 Hz

Single-phase alternating current motor, protection class II, speed regulation.



The "NC" clamping system cannot be lost thanks to its clamping wedges anchored in the mast



BRB 4 electrical with clamping system "NC", Kit 1



BRB 4 electrical with clamping system "NC", Kit 3

TECHNICAL SPECIFICATIONS		BRB 4
<b>Drive version</b>		<b>Electrical</b>
Power	[kW]	1.2
Speed	[rpm]	12 - 37
Air consumption (for 6 bar)	[m <sup>3</sup> /min]	-
Sound pressure level Laeq 1m (EN 23741), approx.	[dB (A)]	82
Vibration level (EN 28662, Part 1)	[m/s <sup>2</sup> ]	2.5

APPLICATION AREA		BRB 4 KIT 1	BRB 4 KIT 3	BRB 4 KIT 5
<b>Clamping system</b>		NC	NC	NC
Code	[230 V]	790 186 011	790 186 013	790 186 015
Pipe ID/clamping area Ø	[mm]	19.1 - 47.0	35.0 - 108.0	19.1 - 108.0
	[inch]	0.752 - 1.850	1.378 - 4.252	0.752 - 4.252
Tool holder Ø	[mm]	68.0/19.0	120.0/27.0	68.0/19.0 68.0/27.0 120.0/27.0
	[inch]	2.677 / 0.748	4.724 / 1.063	2.677 / 0.748 2.677 / 1.063 4.724 / 1.063
Mast Ø	[mm]	19.05	34.5	19.05 34.5
	[inch]	0.750	1.358	0.750 1.358
Pipe OD	[mm]	23.0 - 68.0	38.5 - 114.3	23.0 - 114.3
	[inch]	0.906 - 2.677	1.516 - 4.50	0.906 - 4.50
Wall thickness* min. - max.	[mm]	2.0 - 15.0	2.0 - 15.0	2.0 - 15.0
	[inch]	0.079 - 0.590	0.079 - 0.590	0.079 - 0.590
<b>SCOPE OF DELIVERY</b>		BRB 4 KIT 1	BRB 4 KIT 3	BRB 4 KIT 5
Boiler pipe preparation machine	PCS	1	1	1
Hard-sided transport case	PCS	1	1	1
Tool holders (dimensions, see table above)	PCS	1	1	3
Clamping wedge sets (dimensions, see table above)	set	9	10 (8+2)	9 (9+8+2)
Mast (dimensions, see table above)	PCS	1	1	2
Cooling cutting material KSS-TOP (Code 790 060 226)	PCS	1	1	1
Tool key	set	1	1	1
Operating instructions and spare part list	set	1	1	1

\* Depending on material and dimensions. For BRB 4: Aluminum up to 15 mm/0.59" wall thickness. Stainless steel up to 8 mm/0.315" wall thickness. Steel up to 10 mm/0.39" wall thickness

Technical specifications are non-binding. They do not constitute any assurance of properties. We reserve the right to make changes.