

Orbital TIG welding

Welding heads orbital TIG



Introduction Orbital TIG

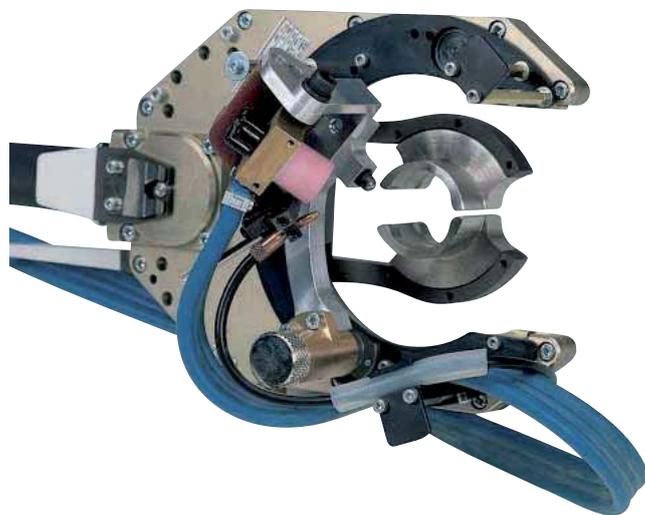
New and improved metal qualities, rising material and labour costs, but also more sensitive materials, and continuously increasing demands on quality and productivity are factors which you have to deal with daily.

ESAB helps you to get ahead and stay ahead. Our metallurgists, chemists, engineers, technicians and skilled welders have one dedication: to find better materials and develop better equipment for your welding.

The ESAB welding program for mechanised tube welding is based on the TIG welding method with a non-consumable tungsten electrode.

To further improve weld quality and decrease costs, ESAB have developed micro-processor controlled power sources for orbital TIG welding, the Aristo® MechTig C2002i, MechTig 3000i and MechTig 4000iw with control boxes Aristo® MechControl 2 and 4. A21 is ESAB's welding head for tube-to-tube welding, A22 is a welding head for tube-to-tube sheet welding and A25 is a modular component system for orbital TIG welding.

If you need other equipment than what is shown in the catalogue, please contact your nearest ESAB representative.



A21 PRB

The PRB welding head is compact and easy to use as a result of its unique pincer action which reduces setting-up times to a minimum. The welding head is positioned and secured around the tube with great accuracy in seconds. The PRB welding heads are available in three sizes for tubes with outer diameters of 17 to 170 mm.

Use these welding heads together with the Aristo® MechTig power sources.

Delivery includes

7 m of connection cable (current, gas, water).

	PRB 17-49	PRB 33-90	PRB 60-170
Rate of rotation, rpm	0.1-2.4	0.1-1.6	0.05-0.95
Tube diameters OD, mm	17-49	33-90	60-170
Max welding current, water, A	250	250	250
Max welding current, air, A	100	100	100
Electrode diameter, mm	1.6, 2.4	2.4, 1.6	2.4, 1.6
Weight, kg			

Ordering information

PRB 17-49, water-cooled	0443 750 882
PRB 17-49, air-cooled	0443 750 883
PRB 33-90, water-cooled	0443 760 882
PRB 33-90, air-cooled	0443 760 883
PRB 60-170, water-cooled	0443 770 882
PRB 60-170, air-cooled	0443 770 883

Accessories for PRB:

Rebuilding kit for PRB/PRC 17-49 for welding tubes with outside diameters from 8-17 mm	0444 002 880
Rebuilding kit PRB/PRC 33-90 for welding tubes with outside diameters from 20-33 mm	0443 908 880
Rebuilding kit PRB/PRC 60-170 for welding tubes with outside diameters from 44-60 mm	0443 909 880
Wire holder complete with gas lense diameter 24 mm with adjustable wire nozzle for PRB/PRC 33-170	0443 923 880