

Double welding speed and highest joint quality: WH Tandem W 800



**Fast, precise, flexible, reliable & economical.
With double power!**



**For longer welding
seams and thicker
work sheets ...**

Not only a tandem bike is characterized by double power and a sensible addition of competencies such as endurance, rhythm and pedaling speed. This also applies to a tandem welding torch. Double welding speed of a standard robot torch is achieved by precisely adjusting the welding parameters, the temperature input and even the welding process per torch.

Especially in industries that have to deal with dynamic load, it is important to precisely record the root base point at a fillet weld and also to design the welding seam transitions to flange and web well.

If the root base point is not exactly met and the welding seam transitions are not arranged in the best possible way, permanent dynamic loads can cause cracks and damage. This is exactly what a tandem torch is suitable for. A clean seam quality and a weld penetration profile that inspires metal and joining technology experts. Through various welding processes (pulse and standard) and different parameters for the two torches a safe weld connection can be realized. As a "tandem team" the torches simply achieve the best results.

Perfect for all lengths! WH Tandem W 800.

Application example:



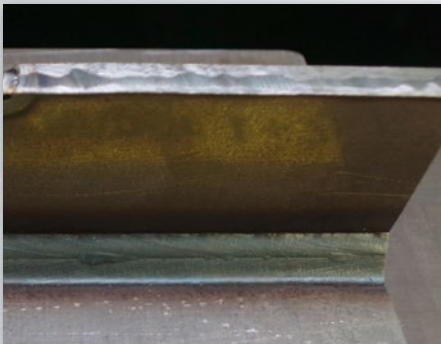
Exact positioning of the WH Tandem W 800 torch.



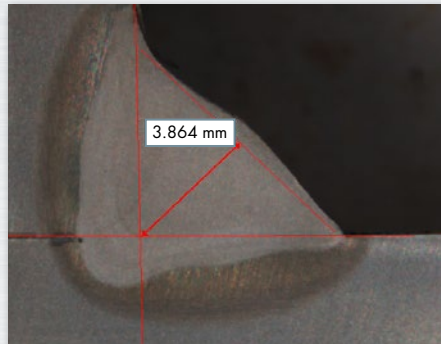
Determination of stick-out for optimal results.



Visual inspection of the weld seam geometry.



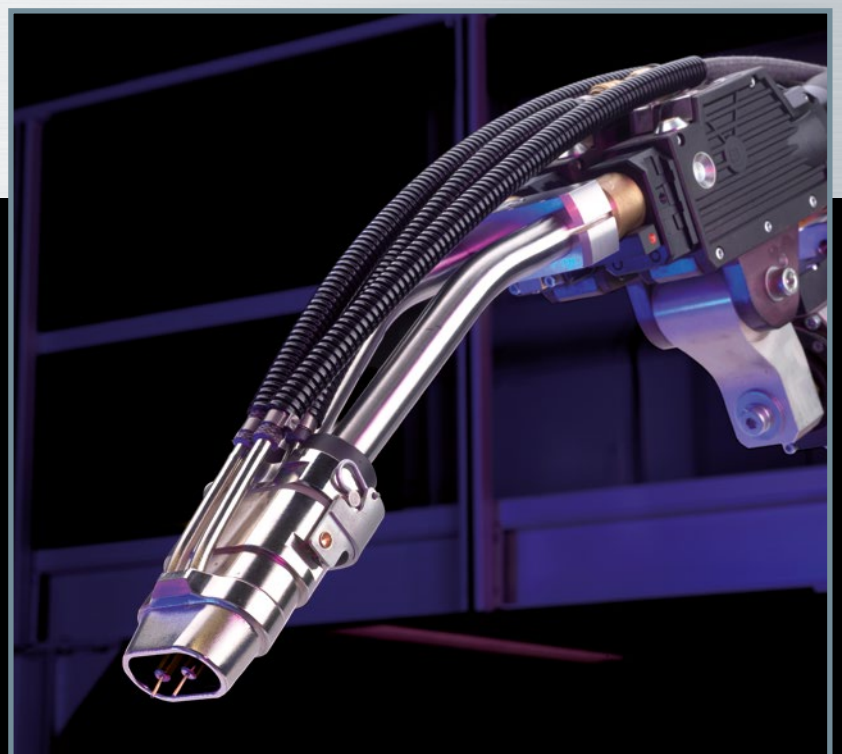
Weld sample WH Tandem W 800 for metallurgical investigation.



Weld penetration profile with excellent penetration point and welding seam transitions to flange and web. **Process torch 1**: standard; **process torch 2**: pulse

Material: S 355; Wire: G3 Si 1

Industries like structural, shipyards and offshore, heavy fabrication, automotive and transportation industries are the main sectors to be mentioned here. This relates to long trapezoidal and stiffening sheets for bridges, truck trailers, ship decks and ship walls which have to be welded. In these industries "long" starts at around three meters for a welding seam, but also lengths of more than ten meters are not unusual. The welding equipment and the joining processes must be designed precisely for these applications.



WH Tandem W 800

Here are the lengths. WH Tandem W 800 – really makes the difference!

WH Tandem W 800 is ideal for long welds



The WH Tandem W 800 in combination with an ABICOR BINZEL iROB power source twin pack is the perfect welding equipment to increase productivity and seam quality for thick sheets and long welds.



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