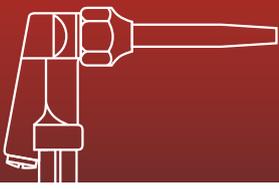


# MULTIOPTIONAL

**i-HEAD®** – Interchangeable Head  
TIG-Torch-Series

**i-HEAD**





# i-HEAD®-TIG torches for comfortable welding in difficult weld locations



The **i-Head series** are **interchangeable head TIG torches**, who were created to solve problems of welding access to difficult weld locations. To avoid unnecessary physical stress by dislocation of the welder, the **i-Head torches** can be **adjusted to the right position**. This minimizes the physical stress and allows more efficiency in production.

i-HEAD-TIG torches may be used for manual welding and also for automated welding.

An example for an automated welding is “pipe flange welding on a turn table”.

The spare parts of the torch heads are similar to the international standard, this keeps cost of operation and storage low.

There are three different models: **WTB** (Balljoint), **WTF** (Flex-Neck) and **WTR** (Roto-Head). The different torch heads can be easily mounted and changed for site work. The closed cooling circuit avoids problems of water leakage into the gas channel while changing the torch heads.

### i-HEAD WTB (Ball-Joint)

A ball-joint is integrated in the torch body, the torch head can be turned over 360° and be angulated over 70°. With the different torch heads (size and angle) any possible position may be reached. The position of the torch head can be changed virtually without wear.

### i-HEAD WTF (Flex-Neck)

A helix is integrated in the torch body, allowing to bend the torch neck in the needed position. Different torch heads are available to select the size and the angle of the torch. This permits many different welding positions.

### i-HEAD WTR (Roto-Head)

An rotation mechanism is integrated in the torch head allowing to turn the head over 360°. The unique angled torch body permits access to tight weld locations. The torch head may change its position any number of times virtually without wear.

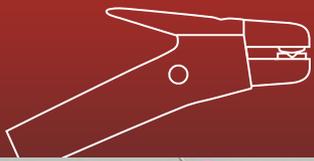


## air cooled

Torch	Capacity		Duty Cycle	Ø Electrode mm
	DC	AC		
WT-9	120 A	85 A	35%	0.5–1.6
WT-17	140 A	100 A	35%	0.5–2.4
WT-24	110 A	75 A	35%	0.5–1.6

## water cooled

Torch	Capacity		Duty Cycle	Ø Electrode mm
	DC	AC		
WT-20	210 A	150 A	100%	0.5–3.2
WT-18	235 A	165 A	100%	0.5–4.0
WT-24	180 A	130 A	100%	0.5–2.4



### i-HEAD Ball WTB

- **Ball-Joint**
  - 360° turnable
  - 70° swiveling
- **air- or water cooled**
- **standard spare parts**

### i-HEAD Flex WTF

- **Flex-Neck**
  - torch neck bendable
  - small and light design
- **air- or water cooled**
- **standard spare parts**

### i-HEAD Roto WTR

- **Roto-Head**
  - head 360° turnable
  - light design
- **air- or water cooled**
- **standard spare parts**

WT-9/-20

WT-17/-18

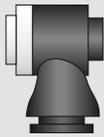
180°

180°

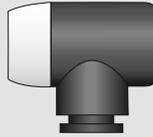


90°

90°



WT-24

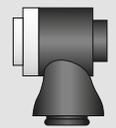
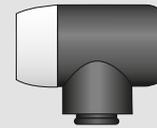
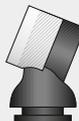


WTR-17/-18

WTR-9/-20

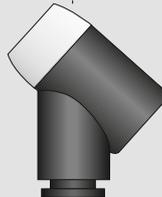
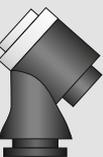
70°

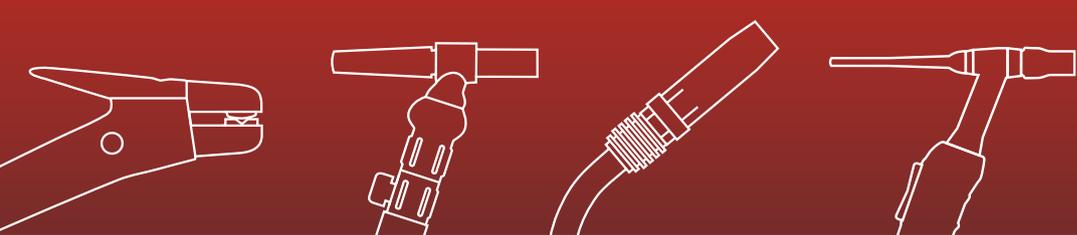
70°



50°

50°





### Accessory Box Torch Heads

- Torch head WT-9/-20 50°
- Torch head WT-9/-20 70°
- Torch head WT-9/-20 90°
- Torch head WT-9/-20 180°
- Torch head WT-24 70°
- Torch head WT-24 90°
- Gauge wrench

### Accessory Box Torch Heads

- Torch head WT-17/-18 50°
- Torch head WT-17/-18 70°
- Torch head WT-17/-18 90°
- Torch head WT-17/-18 180°
- Gauge wrench



### Accessory Box



WT-9/WT-20



WT-17/WT-18



WT-24

