



FSC (Fronius system connector)

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- Easiest, tool less torch exchange without miss operation (**lever locking**)
- Self-opening swivel lever with set pressure for different materials
- **Comfort wire:** automatic wire threading without opening the wire feeder
- Wire feeding rollers with colour coding for wire diameter
- One roller shape for all wire materials
- Optical detection of torch locking

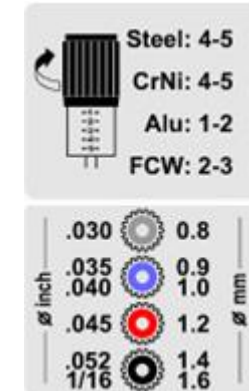
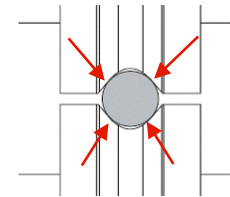
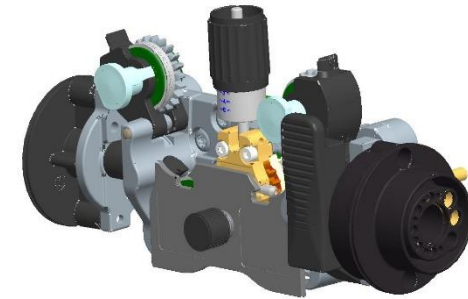


Diagram of a wire feeder with a swivel lever. The lever has markings for different materials and wire diameters.

Steel: 4-5
CrNi: 4-5
Alu: 1-2
FCW: 2-3

.030	0.8
.035	0.9
.040	1.0
.045	1.2
.052	1.4
1/16	1.6

Left column: \varnothing inch
Right column: \varnothing mm



FSC (Fronius system connector)

- Precise wire guiding due to less abrasion
- Process security due to defined current transfer
 - Silver-coated central connection
 - Lever locking, no loosening of central connection
- All media through one central connection, **no external control liner anymore**
- One central connector for all applications, **manual and robot** (conventional & PAP)
- Future proofed because of a 2-wire bus system
- TransSteel and TPS/i welding torches are equipped with FSC connector as standard



FSC (Fronius system connector)

Functions of TransSteel or TPSi, which are ONLY available in combination with FSC:

- UpDown (by 2-wire bus)
- JobMaster (by 2-wire bus)
- PullMig and PullMig CMT (by system bus)
- Drive and Drive CMT (by system bus)
- Wire forward and wire retract at Robacta hose packs
- Welding torch identification in Robotic area

Also integrated in FSC:

- Motor leads
- Gas nozzle positioning
- Crash-Box signal
- Blow out line
- Gas leads

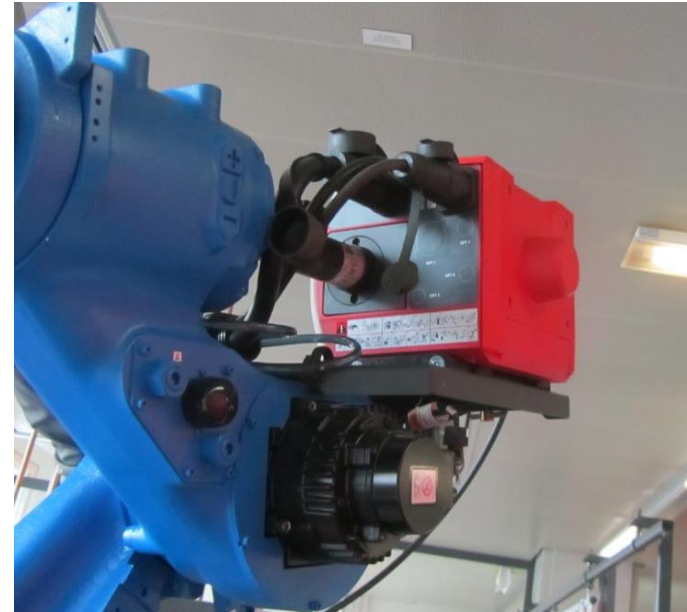


FSC (Fronius system connector)

CMT old / F++



CMT new / FSC



Less gas consumption due to sealing inside clamping piece

– Watercooled

/ Gas sealed due to diameter specific clamping piece – almost no loss of gas

Patented



Highlight
Steel- and CrNi inner
liners without
insulation

– Gascooled



FSC (Fronius system connector)

- The aim should be to convince our customers to buy TransSteel and TPS/i systems with FSC connection, due to its various advantages and functions.





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