

Power Clutch water-cooled Torch System

- ✓ Bayonet quick change system für simple and fast installation / maintenance
- ✓ Precision parts optimized for thin metal sheets
- ✓ For all robots with outer cable dress
- ✓ 420A at 60% duty cycle (40°C)
- ✓ TCP accuracy $\pm 0.2\text{mm}$ (at TCP 400mm)



1 Connection flange Power Clutch

Part-No.	Robot
63-4-1	Fanuc / Kuka / Motoman
63-4-2	Reis
63-4-3	Reis / Kuka
63-4-5	ABB
63-4-8	Fanuc
63-4-13	ABB

2 SKS collision protection Power Clutch 2

Part-No. 71-17

3 Power cable 72mm² for SKS torch systems

Part-No.	Length
61-5-075	0.75m
61-5-09	0.90m
61-5-10	1.00m
61-5-12	1.20m
61-5-15	1.50m
61-5-18	1.80m
61-5-24	2.40m

4 Liner for SKS torch systems

Part-No.	Length	Wire Ø (steel)
44-20-0810-20	2.0m	0.8-1.0mm
44-20-0810-35	3.5m	0.8-1.0mm
44-20-1216-20	2.0m	1.2-1.6mm
44-20-1216-35	3.5m	1.2-1.6mm

Part-No.	Length	Wire Ø (Al)
91-68-47025-25E	Per m.	1.0-1.6mm
44-30-7	End sleeve	
61-2-0-2-7	End cap	

5 Torch mounting arm 45°/30° for Power Clutch

Part-No. 62-5-1

6 Water flow / return for cooling jacket (3.5m)

Part-No. 71-8-16

Optional accessoires

Part-No.	Description
571040310	Velcro set

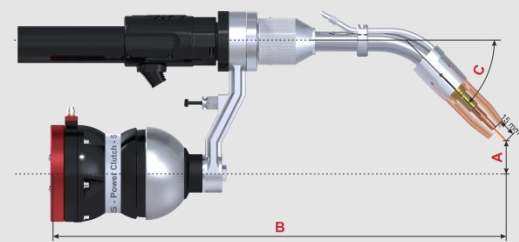
7 Water cooling

Part-No.	Description
541018200	UK 500 passive water cooler (1 cooling circuit)
541018400	Water cooler eChilly 1 (2 cooling circuits)

Optional accessoires (not shown)

Part-No.	Description
93-11	Water monitoring
71-8-15	Mounting plate for water monitoring

8 Torch neck (single wire) - water-cooled -



Part-No.	Distance A	TCP-Length B	Angle C
58-427-00-500-1	120 mm	500.0 mm	0°
58-127-22-350-1	75 mm	411.5 mm	22°
58-127-22-400-1	75 mm	461.5 mm	22°
58-127-45-350-1	30 mm	411.5 mm	45°
58-127-45-400-1	30 mm	461.5 mm	45°
58-427-345-450-1	0 mm	450.0 mm	45°
58-427-345-567-1	0 mm	567.0 mm	45°

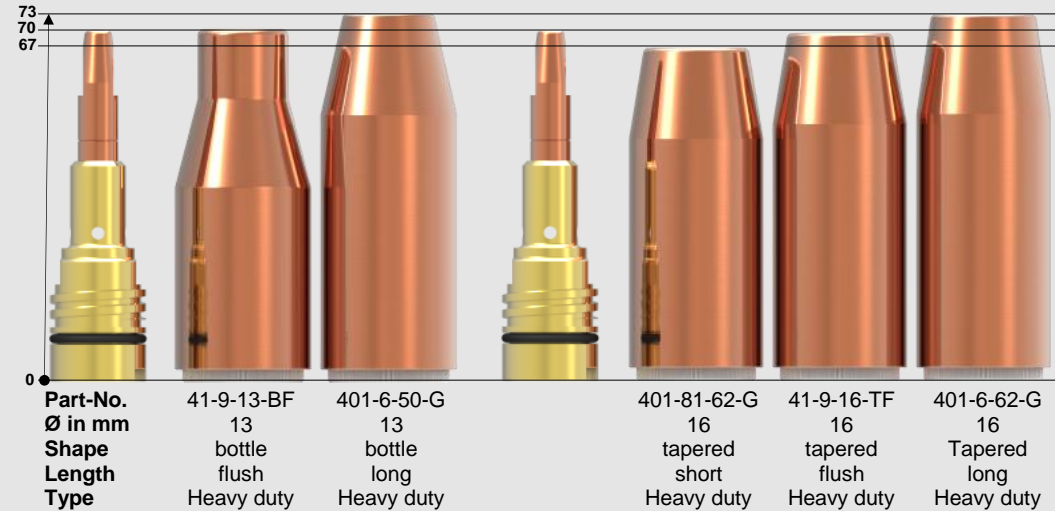
9 Heavy duty retaining head Power Lock standard

Part-No. 43-9-2

10 Contact tip Power Lock

Part-No.	Material	Wire Ø
40-4-7-0.8E	Cu-ETP	0.8 mm
40-4-7-0.9E	Cu-ETP	0.9 mm
40-4-7-1.0E	Cu-ETP	1.0 mm
40-4-7-1.2E	Cu-ETP	1.2 mm
40-4-7-0.8S	CuCrZr	0.8 mm
40-4-7-0.9S	CuCrZr	0.9 mm
40-4-7-1.0S	CuCrZr	1.0 mm
40-4-7-1.2S	CuCrZr	1.2 mm
40-4-7-1.4S	CuCrZr	1.4 mm
40-4-7-1.6S	CuCrZr	1.6 mm
40-4-7-1.2AL	CuCrZr	1.2 mm
40-4-7-1.6AL	CuCrZr	1.6 mm

11 Gas nozzle with thread [All measurements in mm]



Part-No.	Ø in mm	Shape	Length	Type
41-9-13-BF	13	bottle flush	Heavy duty	
401-6-50-G	13	bottle long	Heavy duty	
401-81-62-G	16	tapered short	Heavy duty	
41-9-16-TF	16	tapered flush	Heavy duty	
401-6-62-G	16	Tapered long	Heavy duty	

12 Programming tip Power Lock

Part-No.	Stick out length
65-6	12 mm
65-7	15 mm
65-8	18 mm

13 Reamer blade Power Lock for gas nozzle

Part-No.	For gas nozzle
66-13-F	13mm, flush
66-13-R	13mm, long
66-16-S	16mm, short
66-16-F	16mm, flush
66-16-R	16mm, long

14 Mounting tool SW6 for cotact tip

Part-No. 51-9001-00