

Power Clutch Torch System

- ✓ Bayonet quick change system for easy 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 ±0.2mm (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 system

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

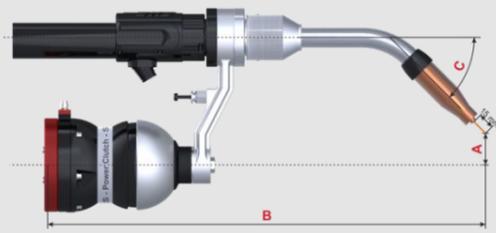
5 Torch mounting arm 45°/30° for Power Clutch

Part.-No. 62-5-1

6 Bayonet-clamping cap for SKS single wire torch neck

Part.-No. 71-3-25

7 Torch neck (single wire) - aircooled -



Part.-No.	Distance A	TCP-length B	Angle C
58-1-00-400-1	120 mm	461.5 mm	0°
58-1-22-350-1	75 mm	411.5 mm	22°
58-1-22-400-1	75 mm	461.5 mm	22°
58-1-330-500-1	0 mm	500.0 mm	30°
58-1-130-450-1	120 mm	511.5 mm	30°
58-1-35-400-1	50 mm	461.5 mm	35°
58-1-45-350-1	30 mm	411.5 mm	45°
58-1-45-400-1	30 mm	461.5 mm	45°
58-1-45-450-1	30 mm	511.5 mm	45°
58-4-345-450-1	0 mm	450.0 mm	45°
58-4-345-567-1	0 mm	567.0 mm	45°

8 Insulator for SKS single wire torch neck

Part.-No. 58-1-5

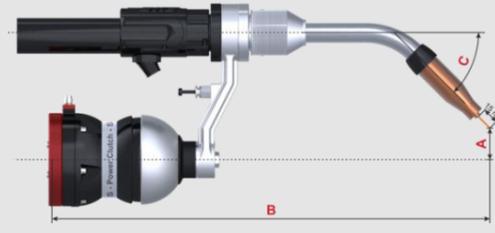
9 Heavy Duty retaining head Power Lock standard

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

12 Torch neck 45° (single wire) - aircooled - ZK



Part.-No.	Distance A	TCP-Length B	Angle C
58-1-245-400-1	58mm	461,5mm	45°

13 Torch neck insulator ZK for SKS single wire torch neck

Part.-No. Suitable for gas nozzles
43-6-4-2 ZK
43-4-6-3 ZK HD

14 Heavy duty retaining head Power Lock ZK

Part.-No. 43-8-6

15 Gas nozzle ZK with thread

[All measurements in mm]

Part.-No.	Ø in mm	Shape	Length	Type
41-8-113	13	bottle	short	standard
41-8-113-BF	13	bottle	short	standard
41-8-115	15	bottle	short	standard
41-8-115-BF	15	bottle	short	standard
41-9-113-TF	13	tapered	flush	Heavy duty
41-9-115-TF	15	Tapered	flush	Heavy duty

11 Gas nozzle with thread

[All measurements in mm]

Part.-No.	Ø in mm	Shape	Length	Type
401-48-50-G	13	bottle	short	standard
41-8-13-BF	13	bottle	flush	standard
401-42-50-G	13	bottle	long	standard
41-8-13-TS	13	tapered	short	standard
41-8-13-TF	13	tapered	flush	standard
401-4-50-G	13	tapered	long	standard
41-9-13-BF	13	bottle	flush	Heavy duty
401-6-50-G	13	tapered	long	Heavy duty
41-8-15-BS	15	bottle	short	standard
401-8-62-G	16	tapered	short	standard
41-8-16-TF	16	tapered	flush	standard
401-4-62-G	16	tapered	long	standard
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