

Wire Select 2.0 torch system

- ✓ The alternative to torch change systems
- ✓ Use of two different wire materials with one torch system
- ✓ Bayonet quick change system for easy and quick 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 TCP Extension

Part-No.	Extension
93-14	100 mm

3 SKS Collision protection Power Clutch

Part-No.	71-17
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4 Liner for SKS torch system

Part-No.	Length	Wire Ø (steel)
44-22-0810-20	2.0m	0.8-1.0mm
44-22-0810-35	3.5m	0.8-1.0mm
44-22-0810-50	5.0m	0.8-1.0mm
44-30-2	End sleeve for 44-22-0810-xx	
44-22-1216-20	2.0m	1.2-1.6mm
44-22-1216-35	3.5m	1.2-1.6mm
44-22-1216-50	5.0m	1.2-1.6mm
44-30-3	End sleeve for 44-22-1216-xx	

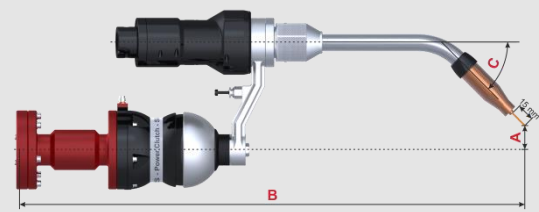
5 Wire Select torch body including torch holder

Part-No.	62-5-20
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6 Torch cable for torch system

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
61-5-20	2.00m
61-5-24	2.40m
91-3-0-90	Y-cable guide (option)

7 Torch neck (single wire) - air-cooled -



Part-No.	Distance A	TCP-Length B	Angle C
58-1-00-400-1	120 mm	561.5 mm	0°
58-1-22-350-1	75 mm	511.5 mm	22°
58-1-22-400-1	75 mm	561.5 mm	30°
58-1-330-500-1	0 mm	600.0 mm	30°
58-1-130-450-1	120 mm	611.5 mm	35°
58-1-35-400-1	50 mm	561.5 mm	45°
58-1-45-350-1	30 mm	511.5 mm	45°
58-1-45-400-1	30 mm	561.5 mm	45°
58-1-45-450-1	30 mm	611.5 mm	45°
58-4-345-450-1	0 mm	550.0 mm	45°
58-4-345-567-1	0 mm	667.0 mm	45°

8 Wire Select liner for torch neck

Part-No.	Wire Ø (steel)
44-210-0810	0.8-1.0mm
44-210-1216	1.2-1.6mm

9 Bayonet clamping cap for SKS single wire torch neck

Part-No.	71-3-25
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10 Torch neck insulator for SKS single wire torch neck

Part-No.	58-1-5
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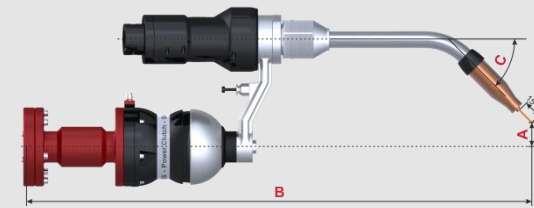
11 Heavy duty retaining head Power Lock standard

Part-No.	43-9-2
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12 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

14 Torch neck 45° (single wire) - air-cooled - ZK



Part-No.	Distance A	TCP-Length B	Angle C
58-1-245-400-1	58 mm	561.5 mm	45°

15 Torch neck insulator ZK for SKS single wire torch neck

Part-No.	Suitable for gas nozzle
43-6-4-2	ZK standard
43-6-4-3	ZK heavy duty

16 Heavy duty retaining head Power Lock ZK

Part-No.	43-8-6
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17 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	flush	standard
41-8-115	15	bottle	short	standard
41-8-115-BF	15	bottle	flush	standard
41-9-113-TF	13	tapered	flush	Heavy duty
41-9-115-TF	15	tapered	flush	Heavy duty

13 Gas nozzle with thread

[All measurements in mm]

[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