



TIG welding torch range

Welding craftsmen deserve the best tools

The **TKK range** just feel that little bit better in the hand for those quality welding tasks. Kemppi TIG torches suit a variety of equipment and are available from 4 to 16 meters in length. Manufactured using the best materials, you can trust Kemppi TIG torches to perform, allowing you to concentrate on completing beautiful looking TIG welds.

The **TKM range** is equipped with manual gas valves to regulate the shielding gas flow, ensuring basic TIG welding tasks are easily completed. Use with MMA power sources for scratch and TouchArc TIG ignition.

The **TKK range** fits a wide range of industrial TIG welding machines. Standard thread terminations easily connect for power, gas and water (model dependent) and every model is fitted with an ignition switch, cable and plug as standard.

The **TKC range** is designed for use with specific Kemppi TIG machines and available in both gas and water cooled models. TKC torches support RTC10 and RTC20 remote control units that replace the standard on/off switch with a convenient and precise remote current regulator for easy ignition and power control at distance.

Technical specifications and Ordering information

	TKM 15V 4M	TKM 15V BC 4M	TKM 220 GV 4M
Output, DC TIG	140 A (35%)	150 A (35%)	220 A (40%)
Machine connector	R1/4	R3/8	R3/8
Ordering code	6271432	627143201	627022304

Technical specifications and Ordering information

TKK	TKK 130	TKK 130F	TKK 160	TKK 160S	TKK 220	TKK 220S	TKK 300W	TKK 350W	TKK 250WS	
Output	DC 40 % ED	130 A	130 A	160 A	160 A	220 A	220 A	300 A	350 A	250 A
	DC 100 % ED	-	-	-	-	-	-	200 A	250 A	200 A
	AC 40 % ED	100 A	100 A	120 A	110 A	160 A	120 A	250 A	300 A	250 A
	AC 100 % ED	-	-	-	-	-	-	140 A	200 A	140 A
Electrodes	ø mm	1.0...2.4	1.0...2.4	1.0...2.4	1.0...2.4	1.0...3.2	1.0...3.2	1.0...2.4	1.0...4.0	1.0...4.0
	Connection	Gas/current	R¼	R¼	R¼	R¼	R¼	-	-	-
Length/ Ordering code	Water/current	-	-	-	-	-	-	R3/8	R3/8	R3/8
	Gas	-	-	-	-	-	-	R¼	R¼	R¼
	4 m	627063004	627063104	627066004	627066204	627072004	627072304	627080504	627085504	627075704
8 m	627063008	627063108	627066008	627066208	627072008	627072308	627080508	627085508	627075708	
16 m	627063016	627063116	627066016	627066216	627072016	627072316	627080516	627085516	627075716	

TKC	TKC 130	TKC 130F	TKC 160	TKC 160S	TKC 220	TKC 220S	TKC 200W	TKC 250W	TKC 250WS	
Output	DC 40 % ED	130 A	130 A	160 A	160 A	220 A	220 A	300 A	350 A	250 A
	100 % ED	-	-	-	-	-	-	200 A	250 A	200 A
Electrodes	ø mm	1.0...2.4	1.0...2.4	1.0...2.4	1.0...2.4	1.0...3.2	1.0...2.4	1.0...2.4	1.0...4.0	1.0...4.0
	Connection	Gas/current	R¼	R¼	R¼	R¼	R¼	R¼	R¼	R¼
Length/ Ordering code	Water	-	-	-	-	-	-	Snap connection	Snap connection	Snap connection
	4 m	627013004	627013104	627016004	627016204	627022004	627022204	627020504	627025504	627025704
	8 m	627013008	627013108	627016008	627016208	627022008	627022208	627020508	627025508	627025708
16 m	627013016	627013116	627016016	627016216	627022016	-	627020516	627025516	627025716	
30 m	-	-	-	627016230	-	-	-	-	-	

RTC 10 (6185477) and RTC 20 (6185478) remote control units are available as options

TKC/TKK	TKC 130 TKK 130	TKC 130F TKK 130F	TKC 160 TKK 160	TKC 160S TKK 160S	TKC 220 TKK 220	TKC 220S TKK 220S	TKC 200 W TKK 300 W	TKC 250 W TKK 350 W	TKC 250 WS TKK 250 WS
4285650	■	●	●	●	●	●			
9878040 (Flex)	●	■	●	●	●	●			
4270580	●	●	■	●	■	●			
4285660							■	●	●
4270600							●	■	●
4276530	●	●	●	■	●	■			
4276300	●	●	●	■	●	●	●	●	■
4276290	●	●	●	●	●	■	●	●	●
4276550							●	●	■

■ Standard delivery ● Accessory □ Small consumable parts

Consumable and replacement parts

Big torch head: TTK 160, 220, 220S, 350W, TTC 160, 220, 250W

1. Gas nozzle		mm			
No.	Ordering number	a	b	c	d
4	7990766	18.0	11.5	6.5	47.5
5	7990770	18.0	12.5	8.0	47.5
6	7990771 *	18.0	14.5	9.5	47.5
7	7990772	18.0	16.0	11.0	47.5
8	7990773	18.0	18.0	12.5	47.5
10	7990775	21.0	21.0	16.0	47.5
12	7990776	24.0	24.0	19.0	47.5

2. Gas nozzle/lens		mm			
No.	Ordering number	a	b	c	d
5	7990783	25.0	12.5	7.5	42.0
6	7990784	25.0	14.0	9.0	42.0
7	7990785	25.0	15.5	11.0	42.0
8	7990786	25.0	16.5	12.0	42.0
11	7990787	25.0	22.0	17.0	42.0

Housing for tightening bush			
1. standard		2. gas lens	
ø 1.6	7990681	ø 1.6	7990711
ø 2.4	7990682 *	ø 2.4	7990712
ø 3.2	7990683	ø 3.2	7990713
ø 4.0	7990684	ø 4.0	7990714

Insulating ring	
1.	9580266 *
2.	9876860
3.	9580267

Torch body
Find codes of the torch body from the separate table, page 81.

Tightening bush	
ø 1.6	9876867
ø 2.4	9876868 *
ø 3.2	9876869
ø 4.0	9876870

Electrode shield including O-ring	
short	7990731
medium	7990735
long	7990741 *
O-ring	7990791

* Delivery equipment is for ø 2.4 mm electrode. Lens equipment is delivered as an accessory. The above mentioned dimensions are directive.



Electrode		
grey	ø 1.6	9873532
	ø 2.4	9873533 *
	ø 3.2	9873534
	ø 4.0	9873535
white	ø 1.6	9873521
	ø 2.4	9873522
	ø 3.2	9873523
	ø 4.0	9873524
green	ø 4.0	9873505

Small torch head: TTK 130, 130F, 160S, 250WS, 300W, TTC130, 130F, 160S, 200W, 250WS

1. Gas nozzle		mm			
No.	Ordering number	a	b	c	d
4	7990760	14.5	10.0	6.5	30
5	7990761 *	14.5	11.0	8.0	30
6	7990762	14.5	14.5	10.0	30
7	7990763	14.5	14.5	11.0	30

Special gas nozzle		mm			
No.	Ordering number	a	b	c	d
4	9878019	15.0	10.5	6.5	48
5	9878020	15.0	11.5	8.0	48
6	9878021	15.0	13.5	9.5	48

2. Gas nozzle/gas lens		mm			
No.	Ordering number	a	b	c	d
4	7990779	18.5	10.5	7.0	25.5
5	7990780	18.5	12.0	8.0	25.5
6	7990781	18.5	13.5	9.5	25.5
7	7990782	18.5	15.0	11.0	25.5

Housing for tightening bush			
1. standard		2. lens	
ø 1.0	7990660	ø 1.0	7990700
ø 1.6	7990661	ø 1.6	7990701
ø 2.4	7990662 *	ø 2.4	7990702

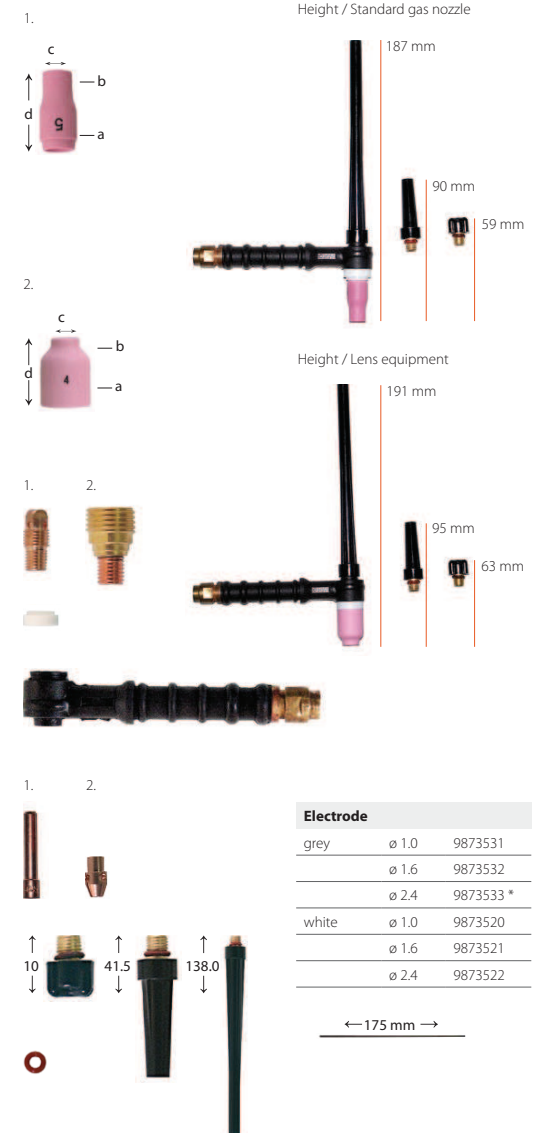
Insulating ring	
9878013 *	

Torch body
Find codes of the torch body from the separate table, page 81.

Tightening bush			
1.		2. short	
ø 1.0	7990635	ø 1.0	7990640
ø 1.6	7990636	ø 1.6	7990641
ø 2.4	7990637 *	ø 2.4	7990642

Electrode shield including O-ring	
short	7990730
medium	7990734 *
long	7990740
O-ring	7990790

* Delivery equipment is for ø 2.4 mm electrode. Lens equipment is delivered as an accessory. The above-mentioned dimensions are directive.



Electrode		
grey	ø 1.0	9873531
	ø 1.6	9873532
	ø 2.4	9873533 *
white	ø 1.0	9873520
	ø 1.6	9873521
	ø 2.4	9873522