

FE/MMT/PMT/WS MIG/MAG welding gun range

High quality materials and effective design



Key features

The best combination of weight and balance ensures welding craftsmen comfortably deliver their skill weld after weld. Choose from a wide range of Euro connected MIG/MAG welding guns in a variety of lengths from 3 to 8 meters.

FE guns are specifically designed for regular fabrication tasks using ferrous filler wires and are available from 3.5 to 5 meters in length. **MMT guns** are suitable for use across a wide range of materials and tasks, and they are available in both air and water cooled models from 3 to 4.5 meters in length.

PMT guns suit a variety of professional applications and include both air and water cooled models. **PMT-MN models** are air cooled only and designed specifically for root pass welding. MN stands for Multi-Neck, a 'fast change' gun neck system, allowing one of three neck variants to be selected and fitted to the gun handle in seconds. All PMT models accept the RMT10 remote control device, and when connected with compatible Kemppi MIG/MAG equipment, provides 'real time' selection of welding power or memory channels during welding.

WS guns offer extended reach and distance for stainless steel and aluminium welding and are available in both air and water cooled models from 6 to 8 meters in length. WS guns use a patented DL liner material that reduces friction loss and makes distance wire feeding possible.

Technical specification and ordering code

FE		FE 20	FE 25	FE 27	FE 32	FE 35	FE 42
Load capacity, Ar + CO ₂	35 %	200A	250 A	270 A	320 A	350 A	420 A
Cooling		Air	Air	Air	Air	Air	Air
Filler wires	ø mm	0.6...1.2	0.6...1.2	0.6...1.2	0.8...1.6	0.8...1.6	0.8...1.6
Length /	3.5 m	6602003	6602503	6602703	6603203	6603503	6604203
Ordering code	5 m	6602004	6602504	6602704	6603204	6603504	6604204

MMT		MMT 25	MMT 27	MMT 32	MMT 35	MMT 42	MMT 42C	MMT 30W	MMT 42W	MMT 52W
Load capacity, Ar + CO ₂	35 %	250 A	270 A	320 A	350 A	420 A	-	-	-	-
	100 %	-	-	-	-	-	350 A	300 A	400 A	500 A
Cooling		Air	Air	Air	Air	Air	Air	Water	Water	Water
Filler wires	ø mm	0.6...1.2	0.6...1.2	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6
Length /	3 m	6252513MMT	6252713MMT	6253213MMT	6253513MMT	6254213MMT	6254205	6253043MMT	6254203MMT	6255203MMT
Ordering code	4.5 m	6252514MMT	6252714MMT	6253214MMT	6253514MMT	6254214MMT	6254207	6253044MMT	6254204MMT	6255204MMT

FE/MMT/PMT/WS MIG/MAG welding gun range

Technical specification and ordering code

PMT		PMT 25	PMT 27	PMT 32	PMT 35	PMT 42	PMT 30W	PMT 42W	PMT 52W
Load capacity, Ar + CO ₂	35 %	250 A	270 A	320 A	350 A	420 A			
	100 %						300 A	400 A	500 A
Cooling		Air	Air	Air	Air	Air	Water	Water	Water
Filler wires	ø mm	0.6...1.2	0.6...1.2	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6	0.8...1.6
Length /	3 m	6252513	6252713	6253213	6253513	6254213	6253043	6254203	6255203
Ordering code	4.5 m	6252514	6252714	6253214	6253514	6254214	6253044	6254204	6255204

The gun's standard delivery has welding set for steel wire.

PMT MN		Neck 45° / 222	Neck 60° / 198RP	Neck 60° / 168RP	Neck 60° / 198	Neck 60° / 168
Load capacity, Ar + CO ₂	35 %	320 A	320 A	320 A	320 A	320 A
Cooling		Air	Air	Air	Air	Air
Filler wires	ø mm	0.8...1.6	0.6...1.2	0.6...1.2	0.6...1.2	0.6...1.2
Length / Ordering code	3.5 m	62503230N01	62503230N02	62503230N03	62503230N04	62503230N05
	3.5 m Ss	62503230N01Ss	62503230N02Ss	62503230N03Ss	62503230N04Ss	62503230N05Ss
	5 m	62503250N01	62503250N02	62503250N03	62503250N04	62503250N05
	5 m Ss	62503250N01Ss	62503250N02Ss	62503250N03Ss	62503250N04Ss	62503250N05Ss

RP = ROOT pass welding, Ss = Stainless steel

WS		WS35	WS30W	WS42W	MMG	MMG 20	MMG 22
Load capacity, Ar + CO ₂		300 A/35 %	250 A/100 %	300 A/100 %		200 A (35 %)	200 A (35 %)
Cooling		Air	Water	Water		Air	Air
Filler wires ø mm	Ss	1.0	1.0...1.2	1.0...1.2	Fe	0.6...1.0	0.6...1.0
	Al	1.2	1.2 (1.6)	1.2 (1.6)	Ss, Al	0.8...1.0	0.8...1.0
Ordering codes	6 m, Al 1.2	6253516A12	6253046A12	6254206A12	3 m	6250200	6250200
	6 m Ss 1.0	6253516S10	6253046S10	6254206S10	MMG 20 and MMG 22 guns are used only in MinarcMig equipment.		
	6 m Ss 1.2	-	6253046S12	6254206S12			
	8 m, Al 1.2	-	6253048A12	6254208A12	Wire liners:		
	8 m Ss 1.0	-	6253048S10	6254208S10	MMG 20	0.6...1.0 mm (Fe)	4307650
	8 m Ss 1.2	-	6253048S12	6254208S12		0.8...1.0 mm (Ss, Al)	4307660

The ordering number comprises the gun, the DL Teflon wire liner and 5 contact tips.

MMG 22 0.6...1.0 mm (Fe) 4307650



PMT/WS guns accept the RMT10 remote control device

FE/MMT/PMT/WS MIG/MAG welding gun range

Contact tips

Standard contact tips M8 (DHP) for solid mild steel and flux-cored wire

Marking: Kemppi 1.2	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	0.9	+0.1/-0.0	9580122
	0.9	1.05	+0.05/-0.02	9580121
	1.0	1.15	+0.05/-0.02	9580123
	1.2	1.4	+0.05/-0.05	9580124
	1.4	1.6	+0.05/-0.05	9580125
	1.6	1.8	+0.1/-0.0	9580126
	2.0	2.3	+0.0/-0.1	9580127
	2.4	2.7	+0.05/-0.05	9580128
	2.8	3.1	+0.1/-0.0	9580129
	3.2	3.6	+0.05/-0.05	9580130

Contact tips M8 (DHP) for Aluminium wire

Marking: Kemppi 1.2 A	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	1.05	+0.05/-0.02	9580122A
	0.9	1.15	+0.05/-0.02	9580121A
	1.0	1.4	+0.05/-0.05	9580123A
	1.2	1.6	+0.05/-0.05	9580124A
	1.4	1.8	+0.10/-0.00	9580125A
	1.6	2.3	+0.00/-0.10	9580126A

Contact tips M8 (CuAg) for Fe and flux cored wire

Marking: Kemppi 1.2 Ag	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	1.0	1.15	+0.05/-0.02	9580123AG
	1.2	1.4	+0.05/-0.05	9580124AG


Contact tips M8 (CuCrZr) for solid mild steel and flux cored wire

Marking: Kemppi 1.2 CRZR	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	1.0	1.15	+0.05/-0.02	9580123ZR
	1.2	1.4	+0.05/-0.05	9580124ZR
	1.4	1.6	+0.05/-0.05	9580125ZR

Contact tips M8 (DHP) for stainless and high acid-resistant steel

Marking: Kemppi 1.2 SS	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	1.15	+0.05/-0.02	9580122SS
	0.9	1.4	+0.05/-0.05	9580121SS
	1.0	1.6	+0.05/-0.05	9580123SS
	1.2	1.8	+0.10/-0.00	9580124SS
	1.6	2.3	+0.00/-0.10	9580126SS

Contact tips M8 (LIFE+ material) for solid mild steel and flux cored wire

Marking: Kemppi 1.2 LIFE+	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	0.9	+0.1/-0.0	W007919
	0.9	1.05	+0.05/-0.05	W007920
	1.0	1.15	+0.05/-0.05	W006826
	1.2	1.4	+0.05/-0.05	W006518
	1.6	1.8	+0.1/-0.0	W007921

Standard contact tips M6 (DHP) for solid mild steel and flux cored wire

Marking: Kemppi 1.2	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.6	0.8	+0.05/-0.02	9876634
	0.8	0.95	+0.05/-0.02	9876635
	0.9	1.05	+0.05/-0.02	9876633
	1.0	1.15	+0.05/-0.02	9876636
	1.2	1.37	+0.05/-0.02	9876637
	1.6	1.8	+0.05/-0.02	9876639

Contact tips M6 (CuCrZr) for solid mild steel and flux cored wire

Marking: Kemppi 0.8 CrZr	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	0.95	+0.05/-0.02	9876635ZR

Contact tips M6 ROOT (DHP) for solid mild steel and flux cored wire

Marking: Kemppi 1.2	Wire \varnothing	Hole \varnothing	Tolerance	Order number
	0.8	0.95	+0.05/-0.02	9876647
	0.9	1.05	+0.05/-0.02	9876648
	1.0	1.15	+0.05/-0.02	9876649
	1.2	1.37	+0.05/-0.02	9876650

FE/MMT/PMT/WS MIG/MAG welding gun range

Wire liners

Kemppi gun liners are strong, durable and efficient. Designed to suit specific filler wire materials and applications, Kemppi liners support the filler wire and ensure reliable delivery to the welding arc. The liner selection tables describe gun type, filler material, liner colour, item code and gun length. Steel spiral liners carry the same colour coding as Kemppi machine feed rolls and drive rolls, making wire size, liner and drive roll matching easier if the gun is connected to Kemppi equipment. Steel spiral liners are suitable for welding solid and cored filler wires of corresponding wire diameter.

Kemppi DL Chili -Teflon liners are the latest solution for reliable feeding of aluminium, stainless steel, acid-resistant and solid steel filler wires. Kemppi's patented technology, two layer DL Chili liner material significantly reduces friction losses between the filler wire material and liner wall, ensuring reliable and worry-free feeding for listed wires types, even in guns up to 8 meters in length. Please refer to the following tables to ensure accurate selection of liners for your chosen welding gun and application.

Wire liners for FE guns

Steel/ cored wire	Filler wire ø, mm	Order number, 3.5 m	Order number, 5 m
	0.6...0.8	4188573	4188576
	0.9...1.2	W006453	W006454
	1.4...1.6	W006455	W006456
Steel/Aluminium/ Stainless steel	Filler wire ø, mm	Order number, 3.5 m	Order number, 5 m
DL Chili 4.7/1.5	0.6...1.0	W007675	W007676
DL Chili 4.7/2.0	1.0...1.2	W007677	W007680
DL Chili 4.7/2.5	1.2...1.6	W007681	W007683

Wire liners for WeldSnake

Steel/Aluminium/ Stainless steel	Filler wire ø, mm	Order number, 6 m	Order number, 8 m
DL Chili 5.9/1.5	0.6...1.0	W005943	W005946
DL Chili 5.9/2.0	1.0...1.2	W005944	W005947
DL Chili 5.9/2.5	1.2...1.6	W005945	W005948
Aluminium			
DL Chili 5.9/3.0	1.6	W007672	W007958

Wire liner system for automation

Steel spiral liner (min. 10 m)	W005195
Liner connector (2 needed)	W005197
DT 400/400L/410 connector	W005188
DT 400/400L/410 adapter	W005174
Wire spool / drum connector, isolated	W005189

Wire liners for MMT, PMT guns

Steel/ cored wire	Filler wire ø, mm	Order number, 3 m	Order number, 4.5 m
	0.6...0.8	4188571	4188572
	0.9...1.2	4188581	4188582
	1.4...1.6 (1.2)	4188591	4188592
	1.6...2.0	4188601	4188602
	2.0...2.4	4188611	4188612
	2.8...3.2	4188621	4188622
Steel/Aluminium/ Stainless steel	Filler wire ø, mm	Order number, 3 m	Order number, 4.5 m
DL Chili 5.9/1.5	0.6...1.0	W005920	W005937
DL Chili 5.9/2.0	1.0...1.2	W005921	W005938
DL Chili 5.9/2.5	1.2...1.6	W005922	W005939
Aluminium			
DL Chili 5.9/3.0	1.6	W007671	W007957

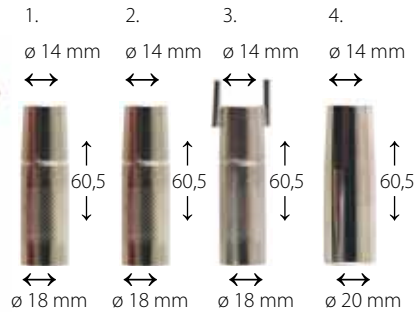
Wire liners for PMT MN guns

Steel/ cored wire	Filler wire ø, mm	Order number, 3.5 m	Order number, 5 m
	0.9...1.2	W007968	W007969
	1.4...1.6	W007970	W007971
Steel/Aluminium/ Stainless steel	Filler wire ø, mm	Order number, 3.5 m	Order number, 5 m
DL Chili 5.9/1.5	0.6...1.0	W007959	W007960
DL Chili 5.9/2.0	1.0...1.2	W007961	W007962
DL Chili 5.9/2.5	1.2...1.6	W007963	W007964

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

FE 20, FE 25, MMT 25, PMT 25



Gas nozzle

1. 9580101*	Standard
2. 958010101	With insulating ring
3. 4113470	For spot welding
4. 9580101E	Thick wall

Insulating bush

9591010*

Contact tip

9876635*	0,8 mm / M6	FE 20
9876636*	1,0 mm / M6	

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

9580173*

Insulating ring

9591079*

Locking spring

4275240*

Neck 45°

4153040*

Wire liners

4188573*	Spiral	0.6...0.8	3.5 m/white
4188576*	Spiral	0.6...0.8	5 m/white
4188581*	Spiral	0.9...1.2	3m/red
4188582*	Spiral	0.9...1.2	4.5m/red
W006453*	Spiral	0.9...1.2	3.5 m/red
W006454*	Spiral	0.9...1.2	5 m/red

Suitable liners: white, red, yellow, DL Chili-Teflon.

* Standard delivery



FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

FE 27, MMT 27, PMT 27, FE 32, MMT 32, PMT 32, MMT 30W, PMT 30W, WS 30W



Gas nozzle

1. 4295760*	Standard / M8
2. 4295760L	Long
3. 4295760C	Conical
4. 4294970	Standard / M6

Contact tip

9580123* 1.0 / M8

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

4295740* M8

4294890 M6

Gas diffuser

4294880*

4294880CER

1. Neck 50°

3146800 MMT 30W/PMT 30W/WS 30W

2. Neck 50°

3146780 FE 27/MMT 27/PMT 27
FE 32/MMT 32/PMT 32

Wire liners

4188581*	Spiral	0.9...1.2	3m/red
4188582*	Spiral	0.9...1.2	4.5m/red
W006453*	Spiral	0.9...1.2	3.5 m/red
W006454*	Spiral	0.9...1.2	5 m/red

Suitable liners: white, red, yellow, DL Chili-Teflon.

* Standard delivery/WeldSnake according to filler wire.

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

FE 35, MMT 35, PMT 35, WS 35, MMT 42W, PMT 42W, WS 42W



Gas nozzle

1. 4307050*	Standard, isolated
2. 4300260	Standard
3. 4300260L	Long
4. 4300260C	Conical

Insulating bush

4307020*

Contact tip

9580123* 1.0 / M8

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

4295740* M8 PMT/MMT/WS 35

Contact tip adapter

W006183* Brass PMT/MMT/WS 42W

W006182 Copper PMT/MMT/WS 42W

Gas diffuser

W006146 PMT/MMT/WS 42W

W004390 FE/PMT/MMT/WS 35

1. Neck 50°

SP004539* MMT 42W/PMT 42W/WS 42W

2. Neck 50°

SP004585* FE 35/PMT 35/MMT 35

3. Neck 50° (temperature resistant)

SP600317 PMT 35/MMT 35

Wire liners

4188581*	Spiral	0.9...1.2	3m/red
4188582*	Spiral	0.9...1.2	4.5m/red
W006453*	Spiral	0.9...1.2	3.5 m/red
W006454*	Spiral	0.9...1.2	5 m/red

Suitable liners: white, red, yellow, DL Chili-Teflon.

* Standard delivery/WeldSnake according to filler wire.

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

FE 42, MMT 42, PMT 42, MMT 52W, PMT 52W



Gas nozzle

1. 4307070*	Standard, isolated
2. 4300380	Standard
3. 4300380L	Long
4. 4300380C	Conical
5. 4308190	Special long (89.5 mm)

Insulating bush

4307030*

Contact tip

9580123* 1.0 / M8

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

W004508 M8*	PMT 52W/MMT 52W
4304600 M8*	FE 42/PMT 42/MMT 42

Gas diffuser

W004505	PMT 52W/MMT 52W
	FE 42/PMT 42/MMT 42

1. Neck 50°

SP004563	PMT 52W/MMT 52W
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2. Neck 50°

SP004578	FE 42/PMT 42/MMT 42
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3. Neck 50°

SP600316	PMT 42/MMT 42
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Wire liners

4188581*	Spiral	0.9...1.2	3m/red
4188582*	Spiral	0.9...1.2	4.5m/red
W006453*	Spiral	0.9...1.2	3.5 m/red
W006454*	Spiral	0.9...1.2	5 m/red

Suitable liners: white, red, yellow, DL Chili-Teflon.

* Standard delivery

For more product information, videos and news, please visit our website at www.kemppi.com

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

PMT MN (ROOT pass welding, MIG/MAG welding)



1. Neck 60°	SP007810
Changeable neck liner 165 mm	W007798
2. Neck 60°	SP007811
Changeable neck liner 195 mm	W007799
3. Neck 60°	SP008006
Changeable neck liner 195 mm	W007799
4. Neck 60°	SP008007
Changeable neck liner 165 mm	W007798

Gas nozzle	
1. W006181	ROOT pass welding
2. 4295760*	Standard / M8
3. 4295760L*	Long
4. 4295760C*	Conical
5. 4294970*	Standard / M6

Contact tip		
9876647	0.8 / M6	ROOT pass welding
9580124*		1.2 / M8

Please see page 3 for a full listing of available contact tips.

Contact tip adapter	
4295740*	M8
4294890	M6

Gas diffuser	
4294880*	
4294880CER	

Wire liners			
W006453*	Spiral	0.9...1.2	3.5 m/red
W006454*	Spiral	0.9...1.2	5 m/red

Suitable liners: red, yellow, DL Chili-Teflon.
Please see page 4 for a full listing of DL Chili liners.

* Standard delivery

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

PMT MN (MIG/MAG welding)



Neck 45°	SP007229
Changeable neck liner 232 mm	W007800

Gas nozzle
1. 4255530*
2. 4255530E
3. 4273510

Insulating bush
4248710*

Contact tip
9580124* 1.2 / M8
<i>Please see page 3 for a full listing of available contact tips.</i>

Contact tip adapter
4255421* M8

Insulating ring, neck
4254670*

Wire liners
W006453* Spiral 0.9...1.2 3.5 m/red
W006454* Spiral 0.9...1.2 5 m/red

Suitable liners: red, yellow, DL Chili-Teflon.
Please see page 4 for a full listing of DL Chili liners.

* Standard delivery

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FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

MMT 42C



Gas nozzle

1. 4307070*	Standard, isolated
2. 4300380	Standard
3. 4300380L	Long
4. 4300380C	Conical
5. 4308190	Special long (89.5 mm)

Insulating bush

4307030*

Contact tip

9580123* 1.0 / M8

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

4304600 M8*

Gas diffuser

W004505*

Insulating ring, neck

9591079*

Neck

SP006008*

Neck part

4302150	0.8–1.6 mm	Al
4302740	0.8–1.0 mm	Ss
4302750	1.2–1.6 mm	Ss

Wire liners

4188581*	Spiral	0.9...1.2	3m/red
4188582*	Spiral	0.9...1.2	4.5m/red

Suitable liners: white, red, yellow, DL Chili-Teflon.

* Standard delivery

FE/MMT/PMT/WS MIG/MAG welding gun range

Consumable parts

MMG 20, MMG 22



Gas nozzle

- 1. 9580101*
- 2. 9580101E Thick wall

Insulating bush

9591010*

Contact tip

9876635* 0.8 / M6

Please see page 3 for a full listing of available contact tips.

Contact tip adapter

9580173* M6

Insulating ring, neck

9591079*

Locking spring

4275240*

Neck 45°

4153040*

Wire liners

4307650 *	Fe	0.6...1.0	3 m
4307660	Ss, Al	0.8...1.0	3 m

* Standard delivery