

LGS3

MIG/MAG GUNS



European norm
requirement
for MIG guns



Wear parts
compatible with
European standards



Extra-flexible
cable



Easy pivoting
handle



Extended and
reinforced rear cable
support for smooth
wire feeding

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LINCOLN[®]
ELECTRIC

LGS3 MIG/MAG GUNS

LGS3 guns range is our valued offer for MIG/MAG applications. With their simple and reliable design offering the best performance, LGS3 guns can meet the challenges of a variety of applications on site, from maintenance to manufacturing. Our models are manufactured in compliance to the most demanding standard and the high quality components are the guarantee of an efficient welding.

PRODUCT ADVANTAGES

- Modern design
- Super grip
- Unique design of ergonomic handle and light weight
- European standard components
- CE compliant
- Competitively priced

APPLICATIONS

- Home / Farm / Shop
- Maintenance
- Fabrication
- Construction
- Automotive
- Vessel manufacture

GUNS RANGE



MODEL		AIR COOLING				WATER COOLING
		LGS3-150G	LGS3-250G	LGS3-240G	LGS3-360G	LGS3-505W
Duty cycle	CO ₂	180 A @ 60%	230 A @ 60%	250 A @ 60%	330 A @ 60%	500 A @ 100%
	M21	150A @ 60%	200A @ 60%	220A @ 60%	300A @ 60%	450A @ 100%
Applications		Thin plates, automotive industry	Thin plates, light fabrication	Thin plates, light fabrication	Vessel manufacture, steel structures	Heavy duty, high production
Wire diameter		Up to 1.0 mm	Up to 1.2 mm	Up to 1.2 mm	Up to 1.6 mm	Up to 1.6 mm
Original equipment	Contact tip	0.8 mm	1.0 mm	1.0 mm	1.2 mm	1.2 mm
	Conical nozzle	12 mm	15 mm	12.5 mm	16 mm	16 mm
To order						
3 m		W10430-15-3M	W10430-25-3M	W10430-24-3M	W10430-36-3M	W10430-505-3M
4 m		W10430-15-4M	W10430-25-4M	W10430-24-4M	W10430-36-4M	W10430-505-4M
5 m		-	W10430-25-5M	W10430-24-5M	W10430-36-5M	W10430-505-5M

Choose your gun

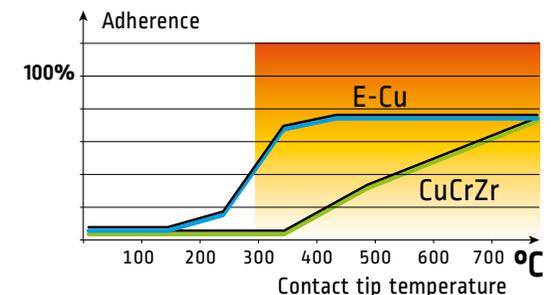
rating calculated using CO₂

- Air cooled
- Water cooled

SERIES	Size	Rate	160A	180A	200A	230A	250A	270A	330A	350A	420A	500A
LGS3	150G	60%	[Air cooled bar]									
	250G		[Air cooled bar]									
	240G		[Air cooled bar]									
	360G		[Air cooled bar]									
	505W	100%	[Water cooled bar]									

Zirconium contact tip

- CuCrZr contact tips bring excellent performances compared to standard copper contact tips (Cu).
- Less wear and longer lifetime



WEAR PARTS

LGS3 150G

Nozzle	
Con. D10	W000010787
Con. D12.5	W000010786
Cyl. D16	W000010788
Innershield	WP10468

Steel	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 25	0.6	W000010820	
	0.8	W000010821	
	0.8	W000010824*	
	0.9	WP10440-09	
	1.0	W000010822	
	1.0	W000010825*	

Aluminum	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 25	1.0		WP10440-10A

Contact tip holder	
	W000277903

Nozzle spring	
	W000277448

LGS3 150G	Steel (Steel liner)	Ø mm	Steel or PTFE liner		PTFE liner with copper spiral end	
			3 m	4 m	3 m	4 m
Steel (Steel liner)	Steel (Steel liner)	0.6	W000010730 (blue)	W000010731 (blue)		
		0.8	W000010733 (red)	W000010734 (red)		
		0.9	W000010733 (red)	W000010734 (red)		
		1.0	W000010733 (red)	W000010734 (red)		
Aluminum (PTFE liner)	Aluminum (PTFE liner)	0.8	WP10422-3M (blue)	WP10422-4M (blue)		
		1.0	W000010736 (red)	W000010737 (red)	WP10419-3M (red)	WP10419-4M (red)

LGS3 250G

Nozzle	
Con. D11	W000010791
Con. D15	W000010790
Cyl. D20	W000010792

Steel	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 28	0.8	W000010826	
	0.8	W000010830*	
	0.9	WP10441-09	
	1.0	W000010827	
	1.0	W000010831*	
	1.2	W000010828	
1.2	W000010832*		

Aluminum	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 28	1.0		W000010850
	1.2		W000010851

Contact tip holder	
	W000010720

Nozzle spring	
	W000277477

LGS3 250G	Steel (Steel liner)	Ø mm	Steel or PTFE liner			PTFE liner with copper spiral end		
			3 m	4 m	5 m	3 m	4 m	5 m
Steel (Steel liner)	Steel (Steel liner)	0.8	W000010730 (blue)	W000010731 (blue)	W000010732 (blue)			
		0.9	W000010733 (red)	W000010734 (red)	W000010735 (red)			
		1.0	W000010733 (red)	W000010734 (red)	W000010735 (red)			
		1.2	W000010733 (red)	W000010734 (red)	W000010735 (red)			
Aluminum (PTFE liner)	Aluminum (PTFE liner)	0.8	WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)			
		1.0	W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)

LGS3 240G



Nozzle	
Con. D10	WP10461-9
Con. D12.5	WP10461-4

Steel	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 25	0.6	W000010820	
	0.8	W000010821	
	0.8	W000010824*	
	0.9	WP10440-09	
	1.0	W000010822	
	1.0	W000010825*	
Aluminum	1.0	M 6 x 25	WP10440-10A
	1.2		WP10440-12C*

Aluminum	Ø mm	Contact tip	
		Ø mm	Contact tip
M 6 x 25	1.0		WP10440-10A

Contact tip holder	
	WP10455-1

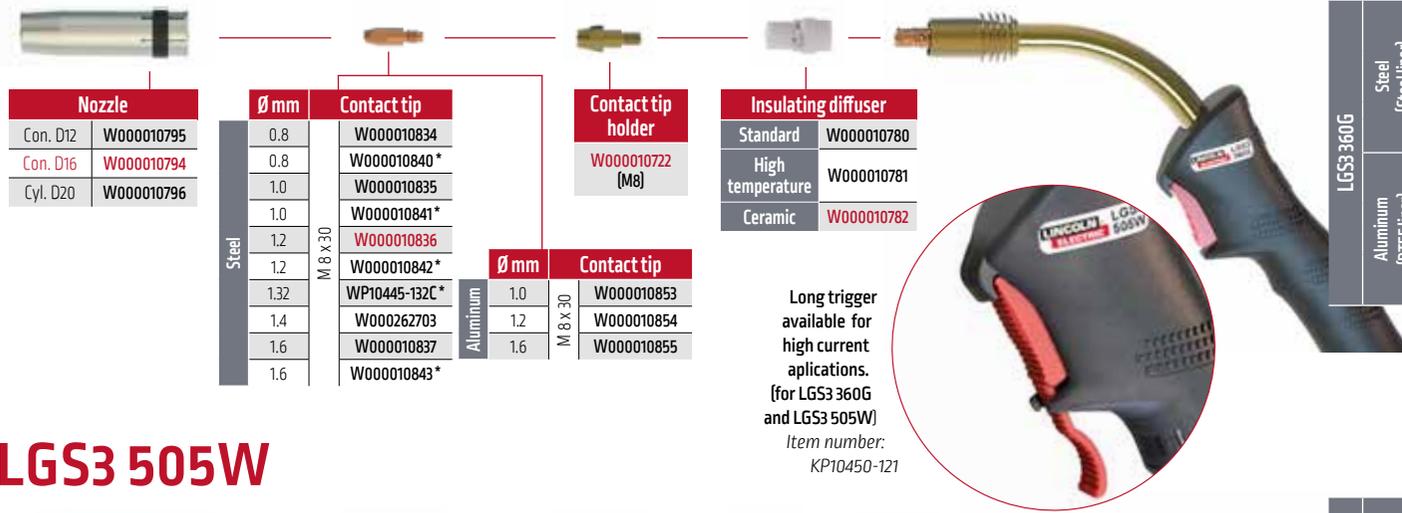
Insulating diffuser	
Standard	WP10404-STD
High temperature	WP10404-HT
Ceramic	WP10404-CR

LGS3 240G	Steel (steel liner)	Ø mm	Steel or PTFE liner			PTFE liner with copper spiral end		
			3 m	4 m	5 m	3 m	4 m	5 m
Steel (steel liner)	Steel (steel liner)	0.6	W000010730 (blue)	W000010731 (blue)	W000010732 (blue)			
		0.8	W000010733 (red)	W000010734 (red)	W000010735 (red)			
		0.9	W000010733 (red)	W000010734 (red)	W000010735 (red)			
		1.0	W000010733 (red)	W000010734 (red)	W000010735 (red)			
Aluminum (PTFE liner)	Aluminum (PTFE liner)	0.8	WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)			
		1.0	W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)

Wear parts supplied with the gun

* CuCrZr contact tips

LGS3 360G



Nozzle	
Con. D12	W000010795
Con. D16	W000010794
Cyl. D20	W000010796

Steel	Ø mm	Contact tip	
		Ø mm	Contact tip
M 8 x 30	0.8		W000010834
	0.8		W000010840 *
	1.0		W000010835
	1.0		W000010841 *
	1.2		W000010836
	1.2		W000010842 *
	1.32		WP10445-132C *
	1.4		W000262703
	1.6		W000010837
	1.6		W000010843 *

Aluminum	Ø mm	Contact tip	
		Ø mm	Contact tip
M 8 x 30	1.0		W000010853
	1.2		W000010854
	1.6		W000010855

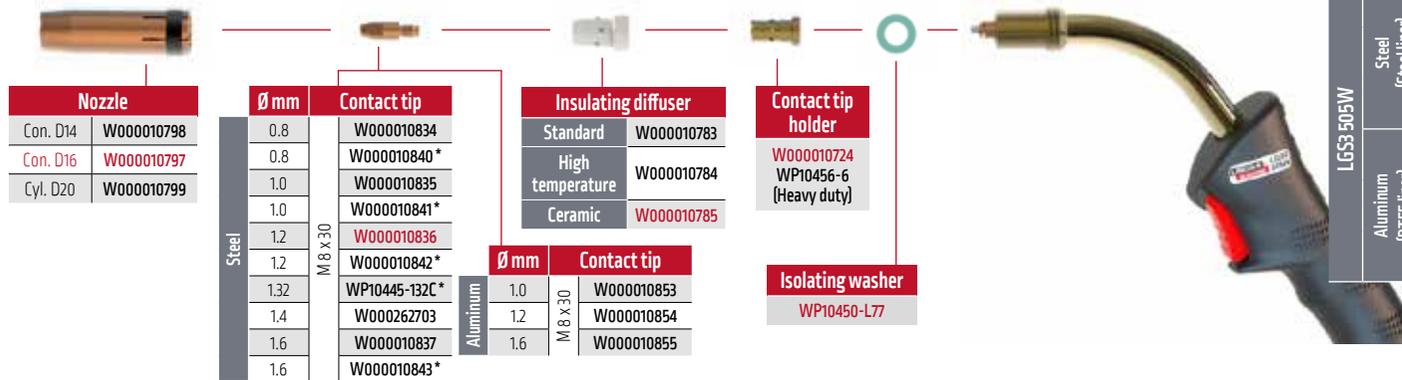
Contact tip holder	
	W000010722 (M8)

Insulating diffuser	
Standard	W000010780
High temperature	W000010781
Ceramic	W000010782

Long trigger available for high current applications. (for LGS3 360G and LGS3 505W)
Item number: KP10450-121

	Ø mm	Steel or PTFE liner			PTFE liner with copper spiral end			
		3m	4m	5m	3m	4m	5m	
LGS3 360G	Steel (Steel liner)	0.8	W000010730 (blue)	W000010731 (blue)	W000010732 (blue)			
		1.0	W000010733 (red)	W000010734 (red)	W000010735 (red)			
		1.2, 1.4, 1.6	W000010867 (yellow)	W000010868 (yellow)	W000010869 (yellow)	-	-	-
	Aluminum (PTFE liner)	0.8	WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)			
		1.0, 1.2, 1.6	W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)

LGS3 505W



Nozzle	
Con. D14	W000010798
Con. D16	W000010797
Cyl. D20	W000010799

Steel	Ø mm	Contact tip	
		Ø mm	Contact tip
M 8 x 30	0.8		W000010834
	0.8		W000010840 *
	1.0		W000010835
	1.0		W000010841 *
	1.2		W000010836
	1.2		W000010842 *
	1.32		WP10445-132C *
	1.4		W000262703
	1.6		W000010837
	1.6		W000010843 *

Aluminum	Ø mm	Contact tip	
		Ø mm	Contact tip
M 8 x 30	1.0		W000010853
	1.2		W000010854
	1.6		W000010855

Insulating diffuser	
Standard	W000010783
High temperature	W000010784
Ceramic	W000010785

Contact tip holder	
	W000010724 WP10456-6 (Heavy duty)

Isolating washer	
	WP10450-L77

	Ø mm	Steel or PTFE liner			PTFE liner with copper spiral end			
		3m	4m	5m	3m	4m	5m	
LGS3 505W	Steel (Steel liner)	0.8	W000010730 (blue)	W000010731 (blue)	W000010732 (blue)			
		1.0	WP10410-3M (uncoated)	WP10410-4M (uncoated)	WP10410-5M (uncoated)			
		1.2, 1.4, 1.6	WP10411-3M (uncoated)	W000010740 (uncoated)	W000010741 (uncoated)	-	-	-
	Aluminum (PTFE liner)	0.8	WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)			
		1.0, 1.2, 1.6	W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)

Wear parts supplied with the gun * CuCrZr contact tips

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