

1-800-GRAINGER (472-4643)

Compatible with MIG Gun Series	Bore Diameter	Nozzle Shape	Nozzle to Tip Relationship	Connec. Type	Material	For Contact Tip Series	Item No.
Bernard							
AccuLock S Nozzle Series							
BTB, MDX-250, MDX-250 EZ-Select	½ in	Conical	Flush	Threaded	Copper	AccuLock S	55EL38
Large Centerfire Nozzle Series							
BTB, Clean Air, Dura-Flux, FILTAIR, Q-Gun, S-Gun, XR-Aluma-Pro, XR-Pistol	¾ in	Conical	½ in Recess	Threaded	Copper	Centerfire	112554
	¾ in	Conical	Flush	Threaded	Copper	Centerfire	112552
Small Centerfire Nozzle Series							
BTB, Clean Air, Dura-Flux, FILTAIR, Q-Gun, S-Gun, XR-Aluma-Pro, XR-Pistol	½ in	Conical	½ in Recess	Threaded	Brass	Centerfire	112551
	½ in	Conical	½ in Recess	Threaded	Copper	Centerfire	112553
Lincoln Electric							
Magnum 400A Nozzle Series							
Magnum 300, Magnum 400	½ in	Conical	Flush	Threaded	—	Magnum 400A	6JDY7
	½ in	Conical	Flush	—	—	Magnum 400A	6JDY8
Magnum Pro 350A Nozzle Series							
Magnum Pro 250, Magnum Pro 250L, Magnum Pro 350, Magnum Pro Curve 200, Magnum Pro Curve 300	½ in	Straight	Flush	Threaded	—	Magnum Pro 350A	61UY64
	¾ in	Straight	½ in Recess	Threaded	Copper	Magnum Pro 350A	487F07
	¾ in	Straight	Flush	Slip-On	—	Magnum Pro 350A	61UY72
Magnum Pro 550A Nozzle Series							
Magnum Pro 450, Magnum Pro 550, Magnum Pro Curve 400	¾ in	Conical	½ in Recess	Threaded	—	Magnum Pro 550A	61UY79
Miller Electric							
AccuLock MDX Nozzle Series							
MDX-250, MDX-250 EZ-Select	½ in	Conical	Flush	Threaded	Copper	AccuLock MDX	494D72
FastTip Nozzle Series							
Spoolmatic 15, Spoolmatic 30, XR-Aluma-Pro, XR-Pistol	¾ in	Tapered	—	Threaded	Copper	FastTip	38G593
M-Series Nozzle Series							
H200L4, M-25	½ in	Conical	Flush	Slip-On	Copper	M-Series	4TY36
M-100, M-150	½ in	Conical	Flush	Slip-On	Copper	M-Series	38G602
Tweco							
21 Nozzle Series							
Classic No. 1, Mini-MIG 160, Spray Master 250	¾ in	Conical	Flush To ¼ in Tip Recess	Threaded	Copper	11	5GEK3
	½ in	Conical	Flush To ¼ in Tip Recess	Threaded	Copper	11	5GEK4
WS21 Nozzle Series							
Classic No. 1, Mini-MIG 160, Spray Master 250	½ in	Conical	¼ to ½ in Tip Recess	Threaded	Copper	WS11, WS14	2URP7
WS22 Nozzle Series							
Classic No. 2, Classic No. 3, Classic No. 4, WeldSkill WM 250, WeldSkill WM 400	¾ in	Conical	¼ to ½ in Tip Recess	Threaded	Copper	WS14	2URR5
	¾ in	Conical	¼ to ½ in Tip Recess	Threaded	Copper	WS14	2URR7



MIG Nozzles

Note: Nozzles are not interchangeable with all MIG manufacturers. To ensure compatibility, the brand of the nozzle must be the same as the brand of the MIG gun.

MIG Contact Tips

■ Copper material

These tips guide the wire and transfer the current from the conductor tube, also known as a swan neck or goose neck, through the filler wire and finally to the workpiece. Tips with a slip-on connection allow toolless changeouts.



Compatible with MIG Gun Series	Maximum Wire Diameter	For Wire Type	Duty Rating	Connec. Type	For Nozzle Series	Tip Shape	Item No.
Bernard							
AccuLock S Tip Series							
BTB, MDX-250	0.035 in	Flux-Cored, Solid	Heavy Duty	Threaded	AccuLock S	Standard	55EL43
Centerfire Tip Series							
BTB, Clean Air, Dura-Flux, FILTAIR, Q-Gun, S-Gun, XR-Aluma-Pro, XR-Pistol	0.035 in	Flux-Cored, Solid	—	Slip-On	Large Centerfire, Small Centerfire	Tapered	12A755
Lincoln Electric							
Magnum 100A Tip Series							
Magnum 100L	0.035 in	Flux-Cored, Solid	Standard Duty	Threaded	Magnum 100A	Standard	61UY33
Magnum 400A Tip Series							
Magnum 200, Magnum 250L, Magnum 300, Magnum 400	0.035 in	Flux-Cored, Solid	Standard Duty	Threaded	Magnum Pro 550A	Standard	6JDW9
	0.046875 in	Flux-Cored, Solid	Standard Duty	Threaded	Magnum Pro 550A	Standard	6JDX2
Magnum Pro 350A Tip Series							
Magnum Pro 100L, Magnum Pro 175L, Magnum Pro 250, Magnum Pro 250L, Magnum Pro 350, Magnum Pro Curve 200, Magnum Pro Curve 300	0.035 in	Flux-Cored, Solid	Standard Duty	Threaded	Magnum Pro 350A	Standard	487F04
	0.045 in	Flux-Cored, Solid	Standard Duty	Threaded	Magnum Pro 350A	Standard	487F05
Miller Electric							
AccuLock MDX Tip Series							
MDX-100, MDX-250, MDX-250 EZ-Select	0.035 in	Flux-Cored, Solid	Standard Duty	Threaded	AccuLock MDX	Standard	494D57
FastTip Tip Series							
Spoolmatic 15, Spoolmatic 30, XR-Aluma-Pro, XR-Pistol	0.035 in	Aluminum	Heavy Duty	Threaded	FastTip	Standard	5XRU8
	0.052 in	Aluminum	Heavy Duty	Threaded	FastTip	Standard	5XRV1
M-Series Tip Series							
H200L4, HR100, M-10, M-100, M-15, M-150, M-25, M-80	0.03 in	Flux-Cored, Solid	—	Threaded	M-Series	Standard	1Z385
Spoolmate Tip Series							
Spoolmate 100, Spoolmate 185, Spoolmate 3035, SpoolRunner 100	0.035 in	Aluminum	Heavy Duty	Threaded	Spoolmate	Tapered	5XRU4
Tweco							
11 Tip Series							
Classic No. 1, Mini-MIG 160, Spray Master 250	0.035 in	Flux-Cored, Solid	Standard Duty	Threaded	21	Standard	5GEK2
16S Tip Series							
Spray Master 350, Spray Master 450	0.045 in	Flux-Cored, Solid	Standard Duty	Threaded	HD24	Standard	49NX14
WS14H Tip Series							
Classic No. 2, Classic No. 3, Classic No. 4, WeldSkill WM 250, WeldSkill WM 400	0.035 in	Flux-Cored, Solid	Heavy Duty	Threaded	WS22, WS23, WS24A, WS24CT	Standard	2URE8

Compatible with MIG Gun Series	For Contact Tip Series	Gas Diffuser Number	Item No.
Bernard			
Centerfire Tip Series			
BTB, Clean Air, Dura-Flux, FILTAIR, Q-Gun, S-Gun, W-Gun	Centerfire	DS-1	112535
	Centerfire	D-1	112534
Quik Tip Tip Series			
BTB, Clean Air, Dura-Flux, FILTAIR, Q-Gun, S-Gun, W-Gun	Quik-Tip	D118Q	38VN82
Lincoln Electric			
Magnum Pro Tip Series			
Magnum Pro 250, Magnum Pro 250L, Magnum Pro 350, Magnum Pro Curve 200, Magnum Pro Curve 300	Magnum-Pro-350A	KP2746-1	487F06
Magnum Tip Series			
Magnum 100L	Magnum-100A	KP35-50	6JDY9
Miller Electric			
AccuLock MDX Tip Series			
MDX-100	AccuLock-MDX	D-M100	494D65
MDX-250, MDX-250 EZ-Select	AccuLock-MDX	D-M250	494D69
M-Series Tip Series			
H200L4, M-25	M-Series	169728	1Z765
Tweco			
EL54 Tip Series			
Spray Master 350, Spray Master 450	EL16	EL54-SW	49NX20
WM400 Tip Series			
Classic No. 2, Classic No. 3, Classic No. 4, WeldSkill WM 250, WeldSkill WM 400	WS14	WS54A	2URY9



MIG Gas Diffusers

■ Threaded connection

Gas diffusers, also known as retaining heads, are designed to conduct electricity to the contact tip while distributing the shielding gas. They also hold the contact tip and nozzle in place on the neck of the welding gun.

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