

POP[®]

Steel Multi-Grip Rivets

**Replace three rivets with one
and improve performance at
the same time!**

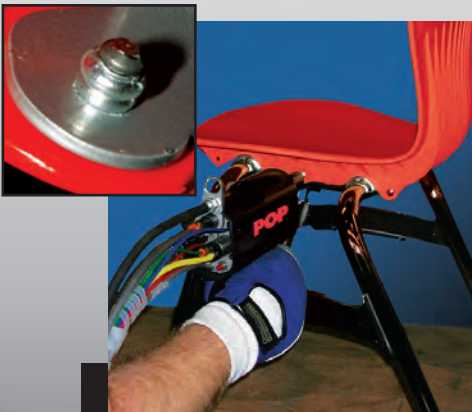
Eliminate purchasing and inventorying unneeded rivets with the full range of POP[®] Steel Multi-Grip[™] rivets.

POP[®] Steel Multi-Grip[™] rivets will automatically adjust their grip range during setting, allowing them to accommodate wide variations in material thickness.

This unique POP[®] rivet body design will also expand to completely fill irregular or oversized holes. A single Steel Multi-Grip[™] rivet can replace up to three different rivets helping to reduce inventory and overall handling expenses. Simplify your production process and choose genuine POP[®] Brand Steel Multi-Grip[™] rivets to save time and reduce costs.

Features & Benefits:

- Extended Grip Range for Multiple Thickness Applications reduces inventory and simplifies the production process
- Accommodates oversized and irregular sized holes
- Provides excellent mandrel retention making it rattle free
- Superior shear and tensile for high strength applications
- Fully compatible for use in automated assembly equipment
- RoHS compliant and meets ISO, QS, TS
- Support from Emhart's Application Engineers is just a phone call away



POP[®] brand Steel Multi-Grip[™] rivets in action with POP[®] Automated Assembly Equipment



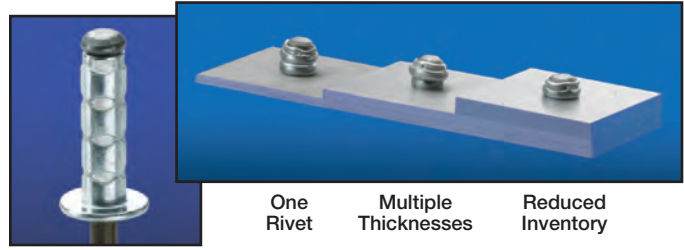
www.emhart.com

**Emhart[®]
Teknologies**
POP[®]

POP®

Steel Multi-Grip Rivets

Look for the POP® proprietary body design.



One Rivet Multiple Thicknesses Reduced Inventory

Nominal Rivet Diameter	(L) Nominal Rivet Body Length	(F) Maximum Blind Side Protrusion	Grip Range	Rivet Part Number	Hole Size	Technical Drawing			Nominal Shear Strength	Nominal Tensile Strength
						(D) Body Diameter	(H) Flange Thickness	(E) Flange Diameter		
In. (mm)	In. (mm)	In. (mm)	In. (mm)		In. (mm)	In. (mm)	In. (mm)	In. (mm)	Lbs. (N)	Lbs. (N)
Carbon Steel Body/Carbon Steel Mandrel – Domed Head – Finish: Zinc/Protective Coating										
1/8 (3.2)	.334 (8.5)	.512 (13.0)	.059-.197 (1.5-5.0)	MG21-03208-210	.130-.134 (3.3-3.4)	.120-.129 (3.05-3.28)	.031-.047 (0.80-1.20)	.228-.260 (5.80-6.60)	270 (1200)	360 (1600)
	.492 (12.5)	.669 (17.0)	.157-.315 (4.0-8.0)	MG21-03212-210						
5/32 (4.0)	.413 (10.5)	.591 (15.0)	.059-.256 (1.5-6.5)	MG21-04010-210	.161-.165 (4.1-4.2)	.152-.160 (3.85-4.08)	.039-.055 (1.00-1.40)	.291-.327 (7.40-8.30)	370 (1650)	540 (2400)
	.649 (16.5)	.827 (21.0)	.157-.472 (4.0-12.0)	MG21-04016-210						
3/16 (4.8)	.413 (10.5)	.610 (15.5)	.059-.236 (1.5-6.0)	MG21-04810-210	.193-.197 (4.9-5.0)	.183-.192 (4.65-4.88)	.047-.063 (1.20-1.60)	.354-.386 (9.00-9.80)	607 (2700)	719 (3200)
	.649 (16.5)	.846 (21.5)	.157-.433 (4.0-11.0)	MG21-04816-210						
Carbon Steel Body/Carbon Steel Mandrel – Large Flange – Finish: Zinc/Protective Coating										
1/8 (3.2)	.334 (8.5)	.512 (13.0)	.059-.197 (1.5-5.0)	MG22-03208-210	.130-.134 (3.3-3.4)	.120-.129 (3.05-3.28)	.038-.058 (0.97-1.47)	.356-.395 (9.03-10.03)	270 (1200)	360 (1600)
	.492 (12.5)	.669 (17.0)	.157-.315 (4.0-8.0)	MG22-03212-210						
5/32 (4.0)	.413 (10.5)	.591 (15.0)	.059-.256 (1.5-6.5)	MG22-04010-210	.161-.165 (4.1-4.2)	.152-.160 (3.85-4.08)	.054-.070 (1.37-1.78)	.430-.489 (10.90-12.42)	370 (1650)	540 (2400)
	.649 (16.5)	.827 (21.0)	.157-.472 (4.0-12.0)	MG22-04016-210						
3/16 (4.8)	.413 (10.5)	.610 (15.5)	.059-.236 (1.5-6.0)	MG22-04810-210	.193-.197 (4.9-5.0)	.183-.192 (4.65-4.88)	.068-.084 (1.73-2.13)	.610-.650 (15.50-16.50)	607 (2700)	719 (3200)
	.649 (16.5)	.846 (21.5)	.157-.433 (4.0-11.0)	MG22-04816-210						

As a result of our continuous design improvement, POP® fastening products are subject to modifications. Technical data and drawings are available for specific products upon request.

POP® Tool Selection Guide by Diameter

Tool Series	Rivet Diameter (Nominal)		
	3.2 mm	4.0 mm	4.8 mm
AutoSet®	✓		
ProSet® 1600	✓		
510A	✓		
5250A	✓	✓	
ProSet® 2100/2500	✓	✓	✓
540	✓	✓	✓
ProSet® 3400/5400LS	✓	✓	✓
MCS5800	✓	✓	✓
Point & Set®	✓	✓	✓

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P516 Rev2 (10/08) 2.5M

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