

Serrated Carbides



Serrated Carbide Features & Benefits

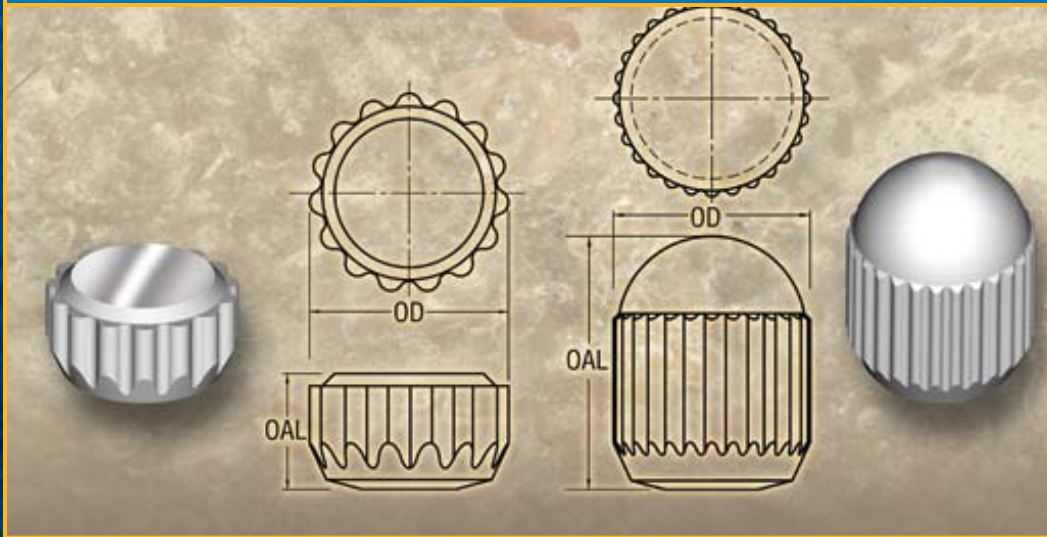
Firth Sterling's standard serrated inserts begin with our proprietary grade mixture, MPD2C, a field proven combination that allows the highest wear resistance and fracture toughness possible for most applications. Firth Sterling also offers the broadest serrated size ranges and grade combinations available in the industry, from 1/4" OD up to 5/8" OD; and for difficult problem areas, we have numerous other grades and styles available, customized to fit your specific requirements.

Grade	Rockwell "A" Hardness	Binder Content	Grain Size (Microns)	Typical TRS (PSI x 10 ³)	Abrasion Resistance (1/vol loss)	Fracture Toughness (DCB)
MPD2C	88.2	11.5%	Medium 2.5–5.0	420	4.3	13,000

- Firth Sterling's serrated inserts are manufactured using state-of-the-art, proprietary robotic presses for maximum size control and cost effectiveness.
- Our heat treating process has been perfected to maintain carbon control and porosity, helping to eliminate premature breakage and edge chipping.
- We manufacture to ISO9001:2000 and ISO14001:1996 standards, ensuring consistency and reliability for all our products.

Firth Sterling has implemented continuous improvement and cost reduction programs designed to provide customers with high quality products at competitive prices...
when your business has a tough problem,
Firth Sterling provides the proven product solutions you need.

Serrated Specifications



Diameter indicated below refers to the distance across the outermost points of the serrations.

OD X OAL			Dome Type	Part Number
1/4"	x 3/16"	(.257 x .188)	Flat	SER0206
5/16"	x 3/16"	(.322 x .188)	Flat	SER0203
	x 5/16"	(.322 x .293)	Flat	SER0204
3/8"	x 17/64"	(.385 x .270)	Flat	SER0202D1
	x 5/16"	(.385 x .316)	Flat	SER0202D2
13/32"	x 3/8"	(.405 x .375)	Flat	SER0211
7/16"	x 1/4"	(.446 x .238)	Flat	SER0212D1
	x 3/8"	(.446 x .348)	Flat	SER0212D2
	x 7/16"	(.460 x .400)	Flat	SER0212D3
	x 9/16"	(.466 x .563)	Flat	SER0212D4
	x 5/8"	(.438 x .625)	Flat	SER0210
1/2"	x 3/8"	(.509 x .348)	Flat	SER0213D1
	x 5/8"	(.509 x .625)	Flat	SER0200
	x 7/8"	(.519 x .894)	Flat	SER0213D2
9/16"	x 3/8"	(.588 x .375)	Flat	SER0208
	x 9/16"	(.588 x .527)	Flat	SER0214D1
	x 3/4"	(.588 x .758)	Ovoid	SER0223



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