

Dynabrade Die Grinders

The Choice Is Yours! Discover The Dynabrade Difference!

Dynabrade Die Grinders Offered in a Variety of Configurations

Gearred and Gearless Tool Offerings

- Gearred Tools generally have higher torque levels and broader power range, while gearless tools offer reduced maintenance and downtime.

Two Types of Gearing

- **Planetary gears** are inline speed reduction gears. The greater the reduction, the higher the torque levels.
- **Right angle bevel gears** turn the spindle of the machine 90° from the motor. Typically there is a speed reduction but not as much as planetary gears.

Gearless Tools

- Gearless tools have lower vibration levels due to the omission of transmitting power through gears.
- They offer longer tool life with fewer wearable parts, resulting in reduced maintenance and downtime.
- Among tools with the same horsepower rating, gearless tools will generally have lower torque levels than geared tools.
- Look for the gearless icon (right) to quickly identify a gearless model.



Gearless

Exhaust and Muffler Offerings

- Choose from front exhaust, rear exhaust (with extended muffler), and rear exhaust (with standard muffler).

Front Exhaust

- Front exhaust tools direct debris away as tool is running, allowing clear view of work surface.



Rear Exhaust

- **Extended muffler design** is ideal for larger hands, as the tool length is extended to accommodate the higher performing, tri-muffling technology.



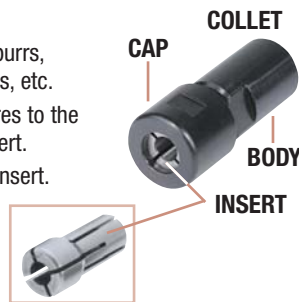
- Abbreviated length of **standard muffler** is ideal for smaller hands.



Die Grinder Collets and Inserts *Dynabrade Die Grinders Feature Precision-Made Collets and Inserts*

Terminology

- **COLLET:** Device used to hold carbide burrs, rotary files, mounted points and wheels, etc.
- **BODY:** The part of the collet that secures to the spindle of the tool and accepts the insert.
- **CAP:** Secures collet body and retains insert.
- **INSERT:** The collapsible portion of the collet that retains the shank of the inserted tool.



Collet Assembly Types

- **Two-Piece:** Insert threads into body.
- **Three-Piece:** Insert slips into body; cap threads to body, retaining the insert.
- **Four-Piece:** Insert slips into body; cap slips over body; nut retains cap and insert.
- **Integrated:** Collet body is integrated into tool.



TOOL THREAD...	...CHOOSE COLLET...			...THEN CHOOSE COMPATIBLE COLLET INSERT							
Tool Thread	Collet Size	Collet Part Number	Collet Type	1/16"	3/32"	1/8"	1/4"	3/8"	3 mm	6 mm	8 mm
3/8"-24 Male (200 series*)	1/4"	50010	3-Piece			50065	50013	50014		50016	50039
	6 mm	50015	3-Piece			50065	50013 [‡]	50014		50016 [‡]	50039
M8x1 Male (300 series**) (200 series*)	1/4"	50020	2-Piece			01647	01644 [‡]		01648	01648	
	1/4"	50080	3-Piece			01495	01485 [‡]		01496	01497	
	6 mm	50079	3-Piece			01495	01485		01496	01497 [‡]	
	1/4"	51124	4-Piece			01495	01485 [‡]		01496	01497	
	6 mm	51125	4-Piece			01495	01485		01496	01497 [‡]	
5/16"-24 Male (300 series**) (200 series*)	3/8"	50018	3-Piece			50065	50013	50014 [‡]		50016	50039
1/2"-20 Male (200 series*)	1/4"	51106	4-Piece			01495	01485 [‡]		01496	01497	
	6 mm	51110	4-Piece			01495	01485		01496	01497 [‡]	
1/4"-28 Male*	1/4"	50066	3-Piece			50065	50013 [‡]	50014		50016	50039
	6 mm	50073	3-Piece			50065	50013	50014		50016 [‡]	50039
Integrated Collets											
.4 hp Rt. Angle Die Grinders**							01495	01485		01496	01497
Mini-Dynaflex® II							01647	01644		01648	01646
Standard Pencil Grinders				51780	51674	51659			51673		
Quick-Change Pencil Grinders					60119	60118			60120		