

Right Angle Die Grinders

RIGHT ANGLE GRINDERS

20		<ul style="list-style-type: none"> • Large Bearing & Gears for High Duty Cycle & Longevity 	<ul style="list-style-type: none"> • Carbide Burrs • Mounted Stones • Flap Wheels • Sanding Abrasives w/Shank Mounted Backing Pad (3/8 Inch Shank Size Max.) 	300RAD	0.7 H.P. (600 W)
				410RAD	1.2 H.P. (900 W)
21		<ul style="list-style-type: none"> • Large Bearing & Gears for High Duty Cycle & Longevity • Extended Neck 	<ul style="list-style-type: none"> • Carbide Burrs • Mounted Stones • Flap Wheels • Sanding Abrasives w/Shank Mounted Backing Pad (2 Inch Size Max.) • Sanding Abrasives w/Shank Mounted Backing Pad (1/4 Inch Shank Size Max.) 	300RAED	0.7 H.P. (600 W)
				410RAED	1.2 H.P. (900 W)
22		<ul style="list-style-type: none"> • Small Head for Restricted Applications 	<ul style="list-style-type: none"> • Carbide Burrs • Mounted Stones • Flap Wheels • Sanding Abrasives w/Shank Mounted Backing Pad (2 Inch Size Max.) 	347RAD	0.7 H.P. (600 W)
				340RAD	0.7 H.P. (600 W)
23		<ul style="list-style-type: none"> • Small Head for Restricted Applications • Extended Neck 	<ul style="list-style-type: none"> • Carbide Burrs • Mounted Stones • Flap Wheels • Sanding Abrasives w/Shank Mounted Backing Pad (2 Inch Size Max.) • Sanding Abrasives w/Shank Mounted Backing Pad (1/4 Inch Shank Size Max.) 	320RAD	0.7 H.P. (600 W)
				420RAD	1.2 H.P. (900 W)
24		<ul style="list-style-type: none"> • Vertical Motor Design • No Gears 	<ul style="list-style-type: none"> • Carbide Burrs • Mounted Stones • Flap Wheels • Sanding Abrasives w/Shank Mounted Backing Pad (1/4 Inch Shank Size Max.) 	300VGE	0.7 H.P. (600 W)

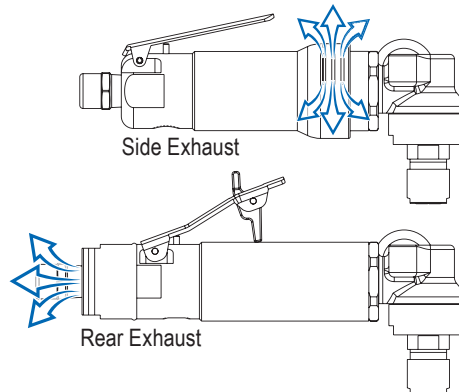
LEVER STYLE



Safety Lever

Regular Lever

EXHAUST DIRECTION



Side Exhaust

Rear Exhaust

CASE MATERIAL



Aluminum Case Material

Steel Case Material

The choice of case material affects the weight and durability of the tool. By its nature, aluminum is lighter in weight than steel. Steel is more durable in aggressive environments.



Rear exhaust overhose for the 300 Series
Only available on Rear Exhaust tools.



Rear exhaust overhose for the 400 Series
Only available on Rear Exhaust tools.

Right Angle Die Grinders

1/4 Inch (6 mm) - 3/8 Inch (8 mm) Mandrel Size (3/8 Inch Max.)

1/8 Inch (3 mm) - 1/4 Inch (6 mm) Mandrel Size (1/4 Inch Max.)



• 300RAD/300RAED
• 410RAD/410RAED



• 330RAD/340RAD
• 320RAD/420RAD



Carbide Burrs



Cartridge Roll w/ Rubber Expanding Wheel



Flap Wheels



Mounted Stones



Sandpaper



Surface Finishing/Conditioning Wheels



Cartridge Rolls

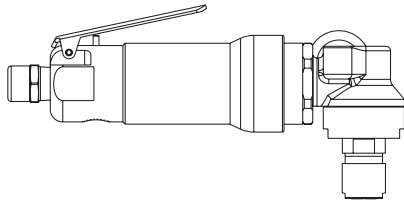
Your Abrasive/Mounting Accessory must be rated at higher speeds than the rating on the tools.
Please consult the abrasive manufacturer for proper speed ratings.

RIGHT ANGLE GRINDERS

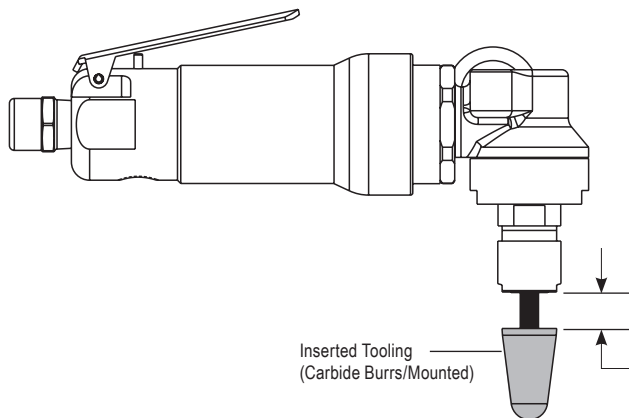
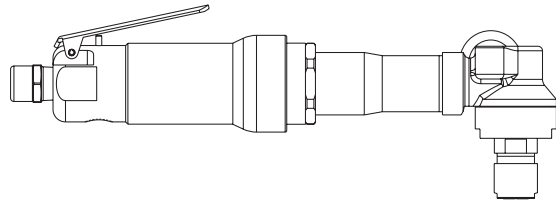
Extended Neck vs Standard

The extended neck option helps in regards to clearance issues when using various types of larger surface finishing abrasives. In these instances, the surface finishing abrasive can interfere with the area around the motor case normally used by the operator to grip the tool. The extended neck option moves the surface finishing abrasive forward which clears the area around the motor case for the operators hand.

Standard Style Right Angle Grinder



Extended Neck Right Angle Grinder



Inserted Tooling (Carbide Burrs/Mounted)

Overhang - 1/2 Inch Max.

Short Right Angle Collet Grinders

300RAD Series



300RADK;15000;1/4

410RAD Series

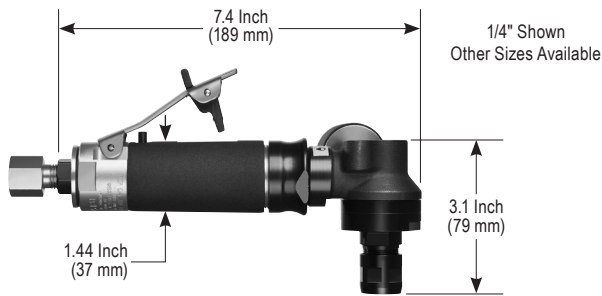


410RADSK;13000;1/4

410RADRS;13000;1/4

RIGHT ANGLE GRINDERS

Lever Style	MODEL NUMBER	Exhaust Direction	Lever Style	MODEL NUMBER
Standard Lever	300RAD;15000;1/4	Side	Standard Lever	410RADS;13000;1/4
Safety Lever	300RADK;15000;1/4		Safety Lever	410RADSK;13000;1/4
		Rear	Standard Lever	410RADRS;13000;1/4
			Safety Lever	410RADRSK;13000;1/4



0.7 H.P.
(600 W)



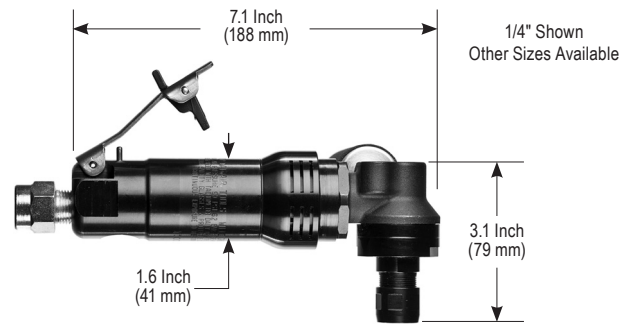
25 cfm
(11.8 L/s) Max



2.2 Lbs. (1.0 Kg) Aluminum
2.8 Lbs. (1.3 Kg) Steel



1/4" NPT Inlet
3/8" (10 mm) Hose Size



1.2 H.P.
(900 W)



35 cfm
(16.5 L/s) Max



2.6 Lbs. (1.2 Kg) Aluminum
3.2 Lbs. (1.7 Kg) Steel



3/8" NPT Inlet
1/2" (13 mm) Hose Size

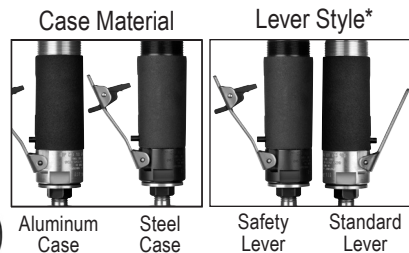
STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

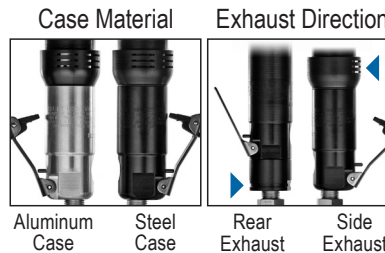


The ER Heavy Duty Collet is Standard Equipment on 300RAD & 410RAD Series.

300RAD Alternate Options



410RAD Alternate Options



Abrasive Mounting



*APPLIES TO BOTH TOOL SERIES

410RAED Series



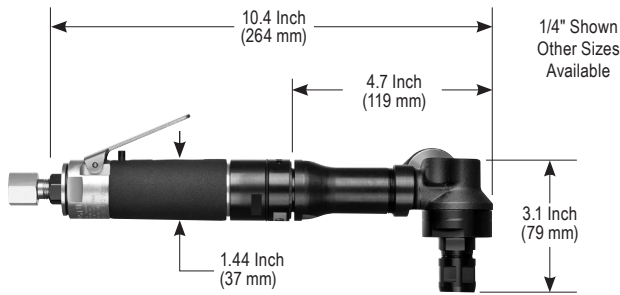
300RAED;15000;1/4



410RAEDS;13000;1/4

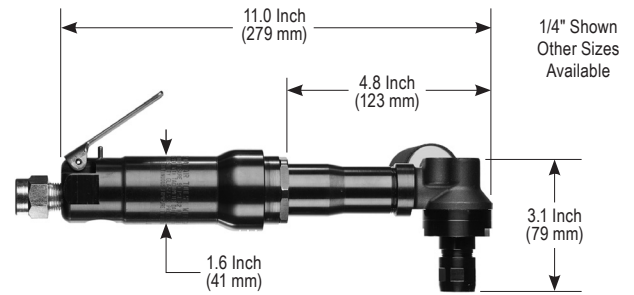
410RAEDRSK;13000;1/4

Exhaust Direction	Lever Style	MODEL NUMBER	Exhaust Direction	Lever Style	MODEL NUMBER
Side	Standard Lever	300RAED;15000;1/4	Side	Standard Lever	410RAEDS;13000;1/4
	Safety Lever	300RAEDK;15000;1/4		Safety Lever	410RAEDSK;13000;1/4
Rear	Standard Lever	300RAEDR;15000;1/4	Rear	Standard Lever	410RAEDRS;13000;1/4
	Safety Lever	300RAEDRK;15000;1/4		Safety Lever	410RAEDRSK;13000;1/4



HP 0.7 H.P. (600 W) **cfm** 25 cfm (11.8 L/s) Max

Lbs 2.7 Lbs. (1.2 Kg) Aluminum
3.1 Lbs. (1.4 Kg) Steel **SUPPLY** 1/4" NPT Inlet
3/8" (10 mm) Hose Size



HP 1.2 H.P. (900 W) **cfm** 35 cfm (16.5 L/s) Max

Lbs 3.2 Lbs. (1.2 Kg) Aluminum
3.8 Lbs. (1.4 Kg) Steel **SUPPLY** 3/8" NPT Inlet
1/2" (13 mm) Hose Size

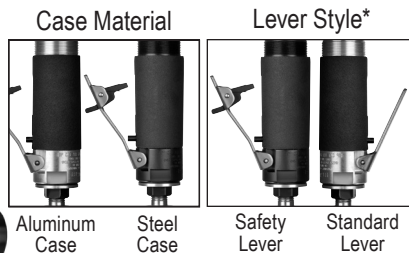
STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

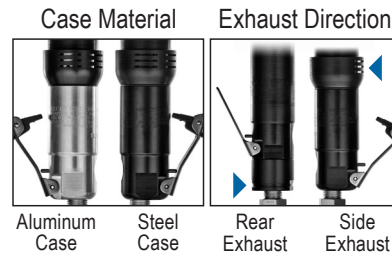


The ER Heavy Duty Collet is Standard Equipment on 300RAED & 410RAED Series.

300RAED Alternate Options



410RAED Alternate Options



Abrasive Mounting



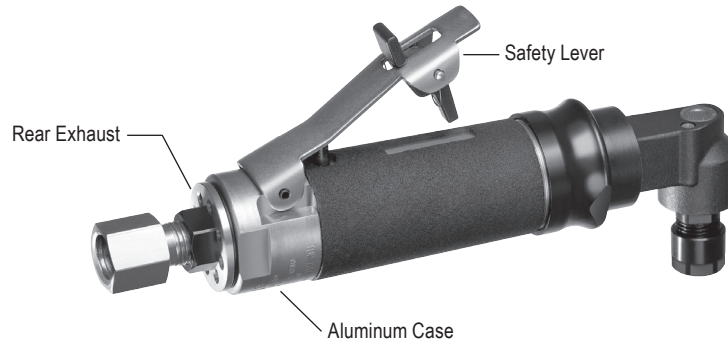
*APPLIES TO BOTH TOOL SERIES

WARNING: Follow all recommendations from component and abrasive manufacturers for speeds and proper usage.

Short Right Angle Collet Grinders

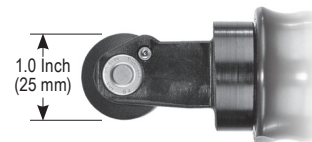
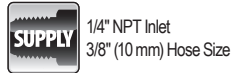
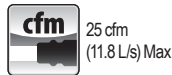
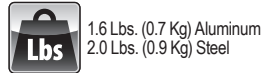
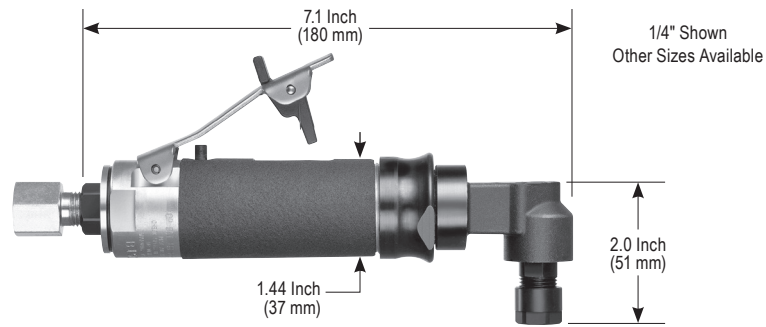
347RAD/340RAD Series

RIGHT ANGLE GRINDERS



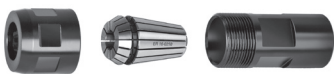
347RADK;12000;1/4

Rated Speed	Lever Style	MODEL NUMBER
12,000 RPM	Standard Lever	347RAD;12000;1/4
	Safety Lever	347RADK;12000;1/4
20,000 RPM	Standard Lever	340RAD;20000;1/4
	Safety Lever	340RADK;20000;1/4



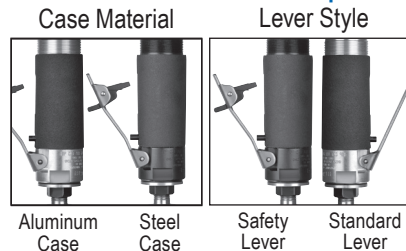
STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

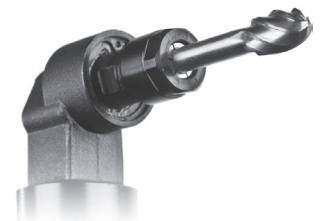


The ER Heavy Duty Collet is Standard Equipment on 347RAD & 340RAD Series.

347RAD/340RAD Alternate Options



Abrasive Mounting



Extended Right Angle Collet Grinders

320RAD Series



320RADK;20000;1/4

420RAD Series

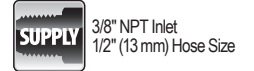
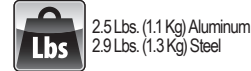
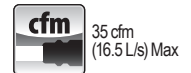
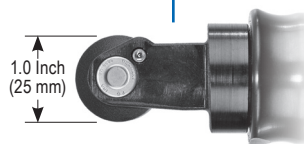
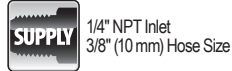
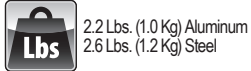
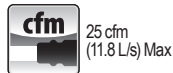
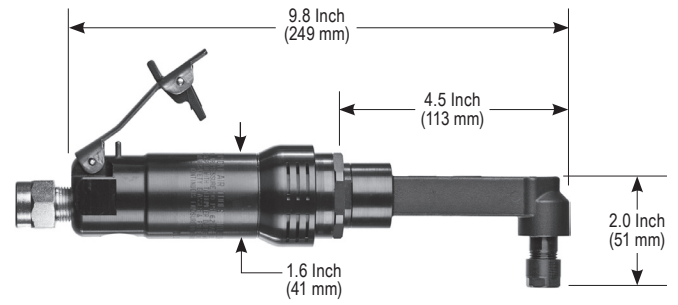
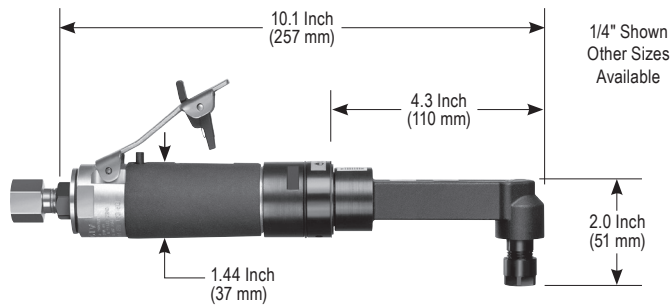


420RADSK;13000;1/4

420RADRS;13000;1/4

RIGHT ANGLE GRINDERS

Exhaust Direction	Lever Style	MODEL NUMBER	Exhaust Direction	Lever Style	MODEL NUMBER
Side	Standard Lever	320RAD;20000;1/4	Side	Standard Lever	420RADS;13000;1/4
	Safety Lever	320RADK;20000;1/4		Safety Lever	420RADSK;13000;1/4
Rear	Standard Lever	320RADR;20000;1/4	Rear	Standard Lever	420RADRS;13000;1/4
	Safety Lever	320RADRK;20000;1/4		Safety Lever	420RADRSK;13000;1/4



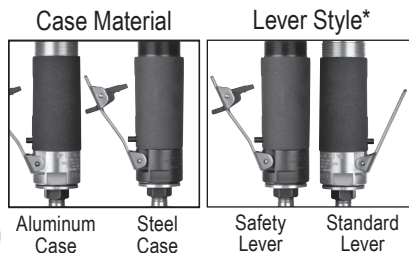
STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)

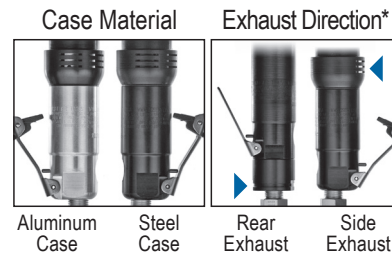


The ER Heavy Duty Collet is Standard Equipment on 320RAD & 420RAD Series.

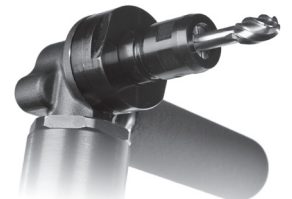
320RAD Alternate Options



420RAD Alternate Options



Abrasive Mounting



*APPLIES TO BOTH TOOL SERIES

Vertical Collet Grinders

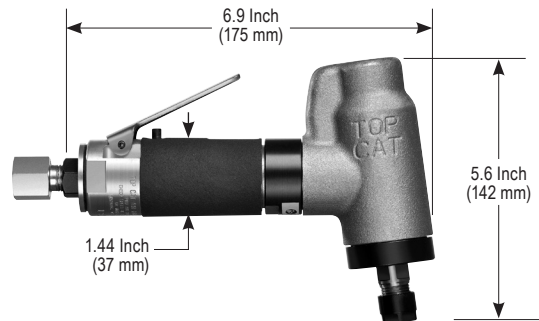
300VGE Series



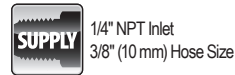
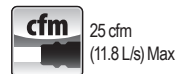
300VGE;25000;1/4

RIGHT ANGLE GRINDERS

	Rated Speed	Lever Style	MODEL NUMBER
Double Front Bearing ER Style Insert Collet 3/8 Inch (8 mm) Maximum	30,000 RPM	Standard Lever	300VGE;30000;1/4
		Safety Lever	300VGEK;30000;1/4
	25,000 RPM	Standard Lever	300VGE;25000;1/4
		Safety Lever	300VGEK;25000;1/4
	20,000 RPM	Standard Lever	300VGE;20000;1/4
		Safety Lever	300VGEK;20000;1/4
	18,000 RPM	Standard Lever	300VGE;18000;1/4
		Safety Lever	300VGEK;18000;1/4



1/4" Shown
Other Sizes Available



STANDARD EQUIPMENT

- Tool
- Operating Instructions and Service Manual
- Wrenches (sizes based on options)



The ER Heavy Duty Collet is Standard Equipment on 300VGE Series.

300VGE Alternate Options



Abrasive Mounting



