





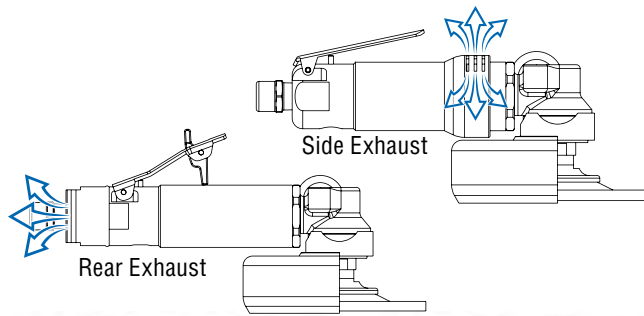


Right Angle Grinding & Cutting Tools

Application	Page Number	Tool Configuration	Abrasive Size	Model Series	Power Output
 Type 27 Depressed Center Wheels	16	 <ul style="list-style-type: none"> • Large Bearing & Gears for High Duty Cycle & Longevity 	4 Inch (100 mm)	300RA	0.7 H.P. (600 W)
				400RA	1.2 H.P. (900 W)
			4 1/2 Inch (115 mm)	300RA	0.7 H.P. (600 W)
			5 Inch (125 mm)	400RA	1.2 H.P. (900 W)
 Type 1 Cut-off (Type 41) Bonded Wheels	17	 <ul style="list-style-type: none"> • Large Bearing & Gears for High Duty Cycle & Longevity • Extended Neck 	4 Inch (100 mm)	300RAE	0.7 H.P. (600 W)
				400RAE	1.2 H.P. (900 W)
			4 1/2 Inch (115 mm)	300RAE	0.7 H.P. (600 W)
			5 Inch (125 mm)	400RAE	1.2 H.P. (900 W)
	18	 <ul style="list-style-type: none"> • Small Head for Restricted Applications • Extended Neck 	4 Inch (100 mm)	320RA	0.7 H.P. (600 W)
				420RA	1.2 H.P. (900 W)
	19	 <ul style="list-style-type: none"> • Large Head for Larger Size Abrasives 	7 Inch (180 mm)	520RA	2.0 H.P. (1.5 kW)
			9 Inch (230 mm)		
			10 Inch (250 mm)		

LEVER STYLE


Safety Lever Standard Lever

EXHAUST DIRECTION


Rear Exhaust

Side Exhaust


 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.

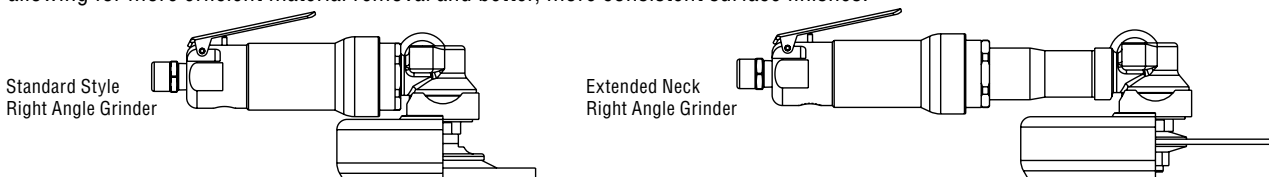
CASE MATERIAL


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.

Extended Neck vs Standard

Extended neck tools allow the operator to reach further into the workpiece. This extended reach coupled with the small heads found on Top Cat tools can allow fine finishing in the tightest of areas. Furthermore, the extended neck tools can be fitted with larger diameter abrasives allowing for more efficient material removal and better, more consistent surface finishes.



Standard Style Right Angle Grinder

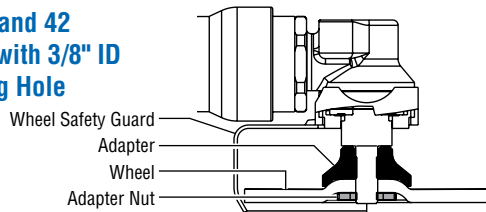
Extended Neck Right Angle Grinder

Right Angle Grinding & Cutting Tools

	3/8-24 x 1.0 Inch Spindle	5/8-11 x 1.0 Inch Spindle	3/8-24 x 0.6 Inch Spindle
Output Thread Size & Length			
Popular Wheel Sizes & Type	<ul style="list-style-type: none"> • 4 Inch Type 27 and Type 27 Cut-Off (Type 42) • 4 Inch Type 1 Cut-off (Type 41) 	<ul style="list-style-type: none"> • 4 1/2 Inch Type 27 and Type 27 Cut-Off (Type 42) • 4 1/2 Inch Type 1 Cut-Off (Type 41) 	4" Type 1 Cut-Off (Type 41)
Optional Wheel Sizes & Type	<ul style="list-style-type: none"> • 4 1/2 Inch Type 27 and Type 27 Cut-Off (Type 42) • 4 1/2 Inch Type 1 Cut-Off (Type 41) • 5 Inch Type 27 and Type 27 Cut-Off (Type 42) • 5 Inch Type 1 Cut-off (Type 41) • 6 Inch Type 1 Cut-off (Type 41) 	<ul style="list-style-type: none"> • 5 Inch Type 27 and Type 27 Cut-Off (Type 42) • 5 Inch Type 1 Cut-off (Type 41) • 6 Inch Type 1 Cut-off (Type 41) 	

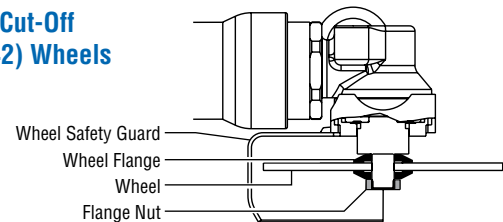
Wheel Mounting for Right Angle Grinders

Type 27 and 42 Wheels with 3/8" ID Mounting Hole



Adapter Set Number	Spindle Size
490-KR	3/8-24 x 0.6 Inch
490-K	3/8-24 x 1.0 Inch

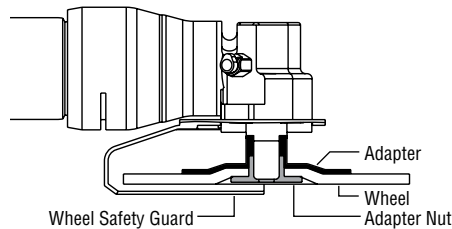
Type 1 Cut-Off (Type 42) Wheels



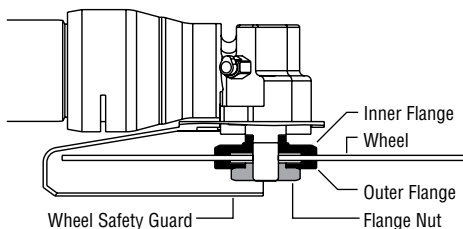
Part Number	Spindle Size	Wheel Mounting Hole
400-G-42	3/8-24	4" or Smaller
1100-682		4-1/2" or Larger
1100-680	5/8-11	

Ordered as individual parts

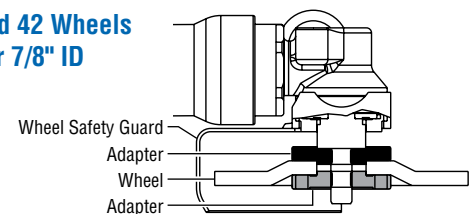
520RA Type 27 and 42 Wheels



520RA Type 1 Cut-Off (Type 41) Wheels



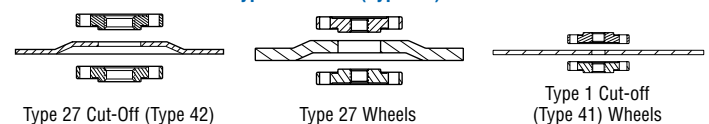
Type 27 and 42 Wheels with 5/8" or 7/8" ID Mounting



Part Number	Spindle Size	Wheel Mounting Hole
ADT27-354	3/8-24	5/8"
ADT27-375		7/8"
ADT27-575	5/8-11	

Ordered as individual parts

These Adapters can be used to mount either Type 27, Type 27 Cut-Off (Type 42) or Type 1 Cut-Off (Type 41) wheels



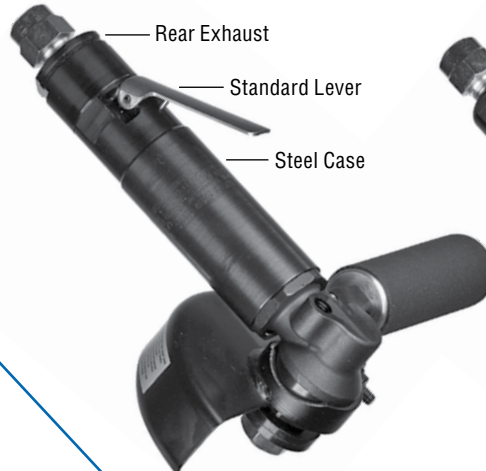
Short Right Angle Grinders for Type 27, Type 27 Cut-Off (Type 42) & Type 1 Cut-Off (Type 41) Wheels

300RA Series



300RA4K;15000;427

400RA Series

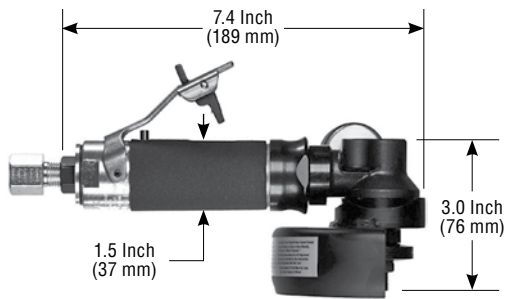


400RA2RS;10000;4527



400RA2SK;10000;4527

Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER		Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER		
			Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)				Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)	
4 Inch (100 mm)	Rear	Standard Lever	300RA4;15000;427	300RA4;15000;441	4 1/2 Inch (115 mm)	Side	Standard Lever	400RA2S;10000;4527	400RA2S;10000;4541	
		Safety Lever	300RA4K;15000;427	300RA4K;15000;441			Safety Lever	400RA2SK;10000;4527	400RA2SK;10000;4541	
4 1/2 Inch (115 mm)	Rear	Standard Lever	300RA2;13000;4527	300RA2;13000;4541			Rear	Standard Lever	400RA2RS;10000;4527	400RA2RS;10000;4541
		Safety Lever	300RA2K;13000;4527	300RA2K;13000;4541				Safety Lever	400RA2RSK;10000;4527	400RA2RSK;10000;4541



0.7 H.P.
(600 W)



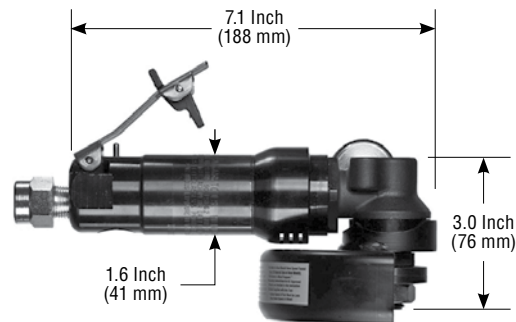
25 cfm
(11.8 L/s) Max



2.8 Lbs. (1.3 Kg) Aluminum
3.2 Lbs. (1.5 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



3.2 Lbs. (1.5 Kg) Aluminum
3.8 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)

Wheel Size



Versions are Available for use with 5 Inch (125 mm) Wheels.

300RA Alternate Options

Case Material



Aluminum Case Steel Case

400RA Alternate Options

Case Material



Aluminum Case Steel Case

Wheel Mounting



Type 27 or Type 27 Cut-Off (Type 42) Wheel



Type 1 or Type 1 Cut-Off (Type 41) Wheel

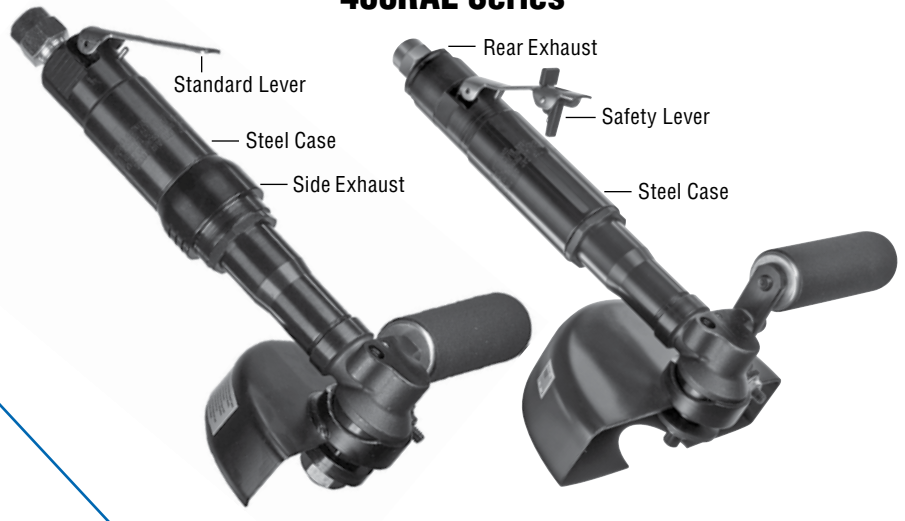
Extended Right Angle Grinders for Type 27, Type 27 Cut-Off (Type 42) & Type 1 Cut-Off (Type 41) Wheels

300RAE Series



300RAE2;13000;4527

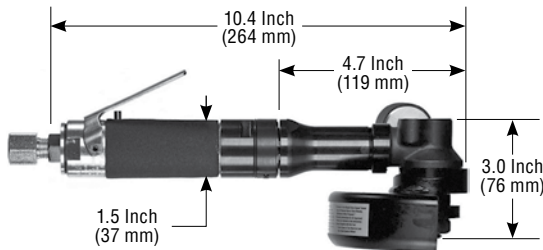
400RAE Series



400RAE2S;10000;4527

400RAE2SRK;10000;641

Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER		Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER		
			Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)				Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)	
4 Inch (100 mm)	Side	Standard Lever	300RAE4;15000;427	300RAE4;15000;441	4 1/2 Inch (115 mm)	Side	Standard Lever	400RAE2S;10000;4527	400RAE2S;10000;4541	
		Safety Lever	300RAE4K;15000;427	300RAE4K;15000;441			Safety Lever	400RAE2SK;10000;4527	400RAE2SK;10000;4541	
	Rear	Standard Lever	300RAE4R;15000;427	300RAE4R;15000;441			Standard Lever	400RAE2SR;10000;4527	400RAE2SR;10000;4541	
		Safety Lever	300RAE4RK;15000;427	300RAE4RK;15000;441			Safety Lever	400RAE2SRK;10000;4527	400RAE2SRK;10000;4541	
4 1/2 Inch (115 mm)	Side	Standard Lever	300RAE2;13000;4527	300RAE2;13000;4541		6 Inch (150 mm) Cut-Off Only	Side	Standard Lever		400RAE2S;10000;641
		Safety Lever	300RAE2K;13000;4527	300RAE2K;13000;4541				Safety Lever		400RAE2SK;10000;641
	Rear	Standard Lever	300RAE2R;13000;4527	300RAE2R;13000;4541				Standard Lever		400RAE2SR;10000;641
		Safety Lever	300RAE2RK;13000;4527	300RAE2RK;13000;4541				Safety Lever		400RAE2SRK;10000;641

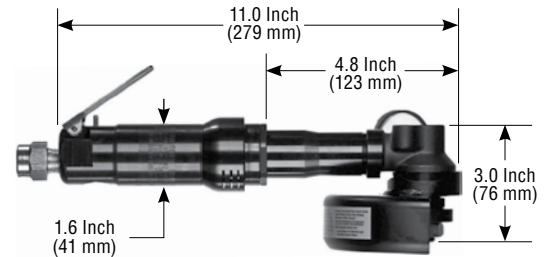


HP 0.7 H.P. (600 W)

cfm 25 cfm (11.8 L/s) Max

Lbs 3.3 Lbs. (1.5 Kg) Aluminum
3.7 Lbs. (1.7 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 3.8 Lbs. (1.7 Kg) Aluminum
4.4 Lbs. (2.0 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)

Wheel Size



300RAE Alternate Options

Case Material



Aluminum Case Steel Case

400RAE Alternate Options

Case Material



Aluminum Case Steel Case

Wheel Mounting



Type 27 or Type 27 Cut-Off (Type 42) Wheel



Type 1 or Type 1 Cut-Off (Type 41) Wheel

Extended Right Angle Grinders with Small Heads for Type 27 Depressed Center & Type 1 Cut-Off (Type 41) Wheels

320RA Series



320RA4K;15000;441

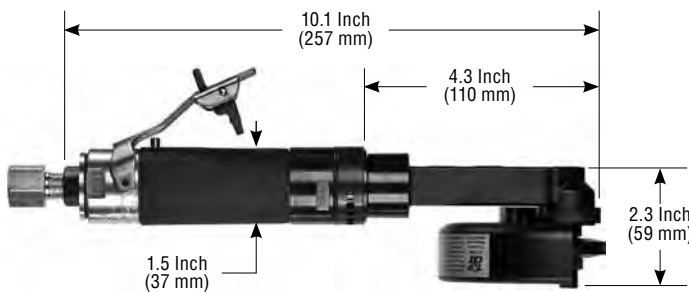
420RA Series



420RA4RS;13000;427

420RA4SK;13000;441

Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER		Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER	
			Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)				Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)
4 Inch (100 mm)	Side	Standard Lever	320RA4;15000;427	320RA4;15000;441	4 Inch (100 mm)	Side	Standard Lever	420RA4S;13000;427	420RA4S;13000;441
		Safety Lever	320RA4K;15000;427	320RA4K;15000;441			Safety Lever	420RA4SK;13000;427	420RA4SK;13000;441
	Rear	Standard Lever	320RA4R;15000;427	320RA4R;15000;441		Rear	Standard Lever	420RA4RS;13000;427	420RA4RS;13000;441
		Safety Lever	320RA4RK;15000;427	320RA4RK;15000;441			Safety Lever	420RA4RSK;13000;427	420RA4RSK;13000;441



0.7 H.P. (600 W)



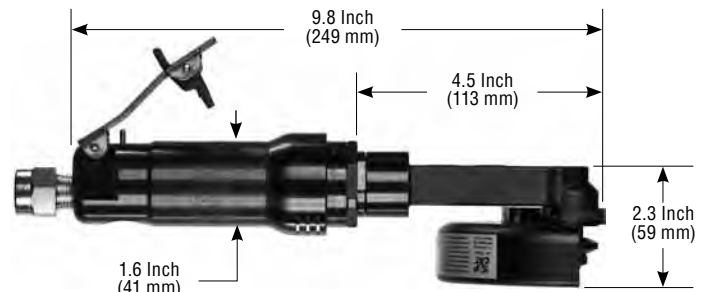
25 cfm (11.8 L/s) Max



2.8 Lbs. (1.2 Kg) Aluminum
3.2 Lbs. (1.4 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



3.1 Lbs. (1.4 Kg) Aluminum
3.5 Lbs. (1.6 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)

320RA Alternate Options

Case Material



Aluminum Case Steel Case

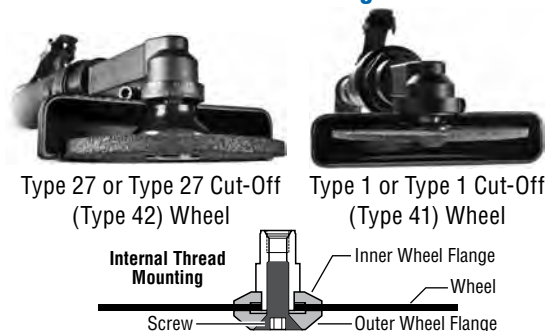
420RA Alternate Options

Case Material



Aluminum Case Steel Case

Wheel Mounting



Right Angle Grinders for Type 27, Type 27 Cut-Off (Type 42), Type 1 Cut-Off (Type 41) Wheels

520RA Series



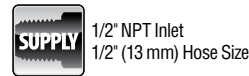
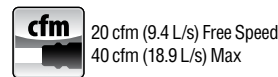
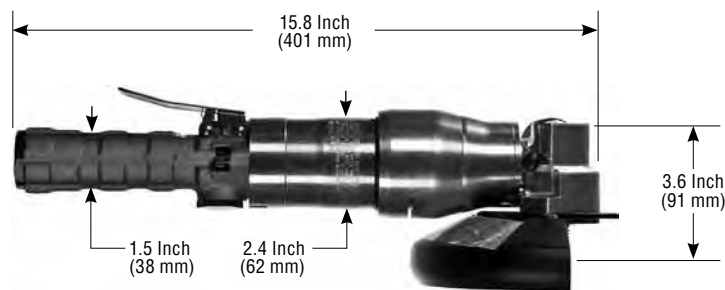
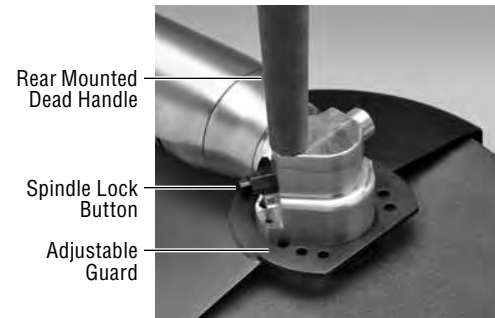
520RAK;8000;727



520RA2L;6000;1041

RIGHT ANGLE GRINDERS

Wheel Size	Exhaust Direction	Lever Style	MODEL NUMBER	
			Type 27 Wheels (Type 42)	Type 1 or Type 1 Cut-Off Wheels (Type 41)
7 Inch (180 mm)	6000 RPM	Standard Lever	520RAL;6000;727	
		Safety Lever	520RAK;6000;727	
	8000 RPM	Standard Lever	520RAL;8000;727	
		Safety Lever	520RAK;8000;727	
9 Inch (230 mm)	6000 RPM	Standard Lever	520RAL;6000;927	
		Safety Lever	520RAK;6000;927	
		Standard Lever	520RAL2;6000;1041	
		Safety Lever	520RAK2;6000;1041	



STANDARD EQUIPMENT

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

520RA Alternate Options



Wheel Mounting



The depressed center wheel adapters are not supplied as standard equipment with the tools. If you are using a wheel that requires the adapters, they must be purchased separately.