



Bonded Abrasives For General Purpose Applications



Cutting & Grinding Wheels

The Vortec Pro® bonded abrasive line is specifically designed for general purpose grinding and cutting applications. Offering includes products for use on steel, iron, and other ferrous metals or stone, concrete & ductile iron. All product is resin-bond formulated for aggressive stock removal and fast cutting, and are reinforced with fiberglass webbing for stability.

Grinding

Type 27 Products:



These products range from 4" to 9" diameter and are available in 1/4" thick for grinding and 1/8" thick for light grinding. Type 27 Wheels are offered in aluminum oxide and silicon carbide grain with a 5/8"-11 hub option.

Cutting

Type 27 Products:



Type 27 Wheels are offered in .045", .060", 3/32" and 1/8" wheel thicknesses. Diameters range from 4" to 9" and are available in aluminum oxide, with an option of a 5/8"-11 hub.

Type 1 Products:



This product category includes wheels ranging from 2" to 14" diameter in various thicknesses and grit sizes in aluminum oxide and silicon carbide grain. Type 1 Wheels are for use on right angle grinders, electric or air die grinders, tool room grinders, circular saws, stationary saws, chop saws, high speed portable gas and electric saws and walk-behind machines.

Tech Note

- All Weiler Vortec Pro bonded Thin Cutting wheels (.060 and thinner) contain White AO for a longer life vs the standard brown AO other manufactures use to save cost.
- All Weiler Vortec Pro bonded Thin Cutting wheels (.060 and thinner) are contaminant free, which means Iron, Sulfur and Chlorine is ≤ 0.1% - they will not rust stainless steel.

Wheel Selection Guide

Grain

WA White Aluminum Oxide: Longer wheel life on all metals except titanium & ductile iron

A Aluminum Oxide: for use on all metals except titanium and ductile iron

C Silicon Carbide: for use on non-metallics, titanium, ductile iron & stone

Grit

16 Extra Coarse: for fast, aggressive cutting and maximum wheel life

24 Coarse: for fast, aggressive cutting and maximum wheel life

30 Medium/Coarse: for fast cutting and long wheel life

36 Medium/Coarse: excellent for general purpose cutting

46 Fine/Medium: for a smoother finish and reduced burr

60 Fine: for a burr-free cut

Grade

N Soft/Medium: for maximum cut rate

R Medium/Hard: for cutting large cross sections; improved stock removal rate

S-V Hard: for maximum wheel life

Warning! The following factors can cause wheel breakage and personal injury:

- Excessive speed
- Improper mounting
- Work improperly clamped
- Excessive wheel feed rate
- Improper machine conditions
- Misuse

Quality Products at a Value Price!



Cutting Wheels



Notching a steel bar prior to welding.

Small Type 1 Reinforced Cut-Off Wheels - General purpose cutting applications in toolrooms and machine shops.



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price	
2" x .035" x 1/4"	30,000	WA60T	Metal Applications	100	56013*	\$.98	
2" x 1/16" x 1/4"		A36T		50	56015	.98	
2" x 1/16" x 1/4"		A60T		50	56017	.98	
2" x 1/4" x 3/8"		A36T		25	56131	1.36	
3" x .035" x 1/4"	25,000	WA60T			100	56061*	\$ 1.11
3" x .035" x 3/8"		WA60T		100	56062*	1.11	
3" x 1/16" x 1/4"		A36T		100	56065	1.21	
3" x 1/16" x 1/4"		A60T		100	56067	1.21	
3" x 1/16" x 3/8"		A36T		100	56068	1.21	
3" x 1/16" x 3/8"		A60T		100	56070	1.21	
3" x 1/8" x 1/4"		A36T		50	56270	1.32	
3" x 1/8" x 3/8"		A36T		50	56076	1.32	
3" x 1/4" x 3/8"	23,000	A36T		25	56147	1.88	
4" x .035" x 1/4"		WA60T		50	56079*	\$ 1.44	
4" x .035" x 3/8"	19,000	WA60T		50	56080*	1.44	
4" x .035" x 5/8"		WA60T		50	56271*	1.44	
4" x 1/16" x 1/4"		A36T		50	56083	1.51	
4" x 1/16" x 1/4"		A60T		50	56085	1.51	
4" x 1/16" x 3/8"		A36T		50	56086	1.51	
4" x 1/16" x 3/8"		A60T		50	56088	1.51	
4" x 1/8" x 3/8"		A36T		50	56099	1.88	
4" x 1/16" x 5/8"		A60T		50	56272	1.51	
4" x 1/4" x 3/8"		A36T		25	56163	2.81	
4-1/2 x .045" x 7/8"		13,500	WA60T		50	56281*	\$ 1.83
4-1/2 x 1/16" x 7/8"	A60T			50	56103	2.15	
5" x .035" x 3/8"	12,200	WA60T		100	56106*	\$ 2.19	
5" x .035" x 5/8"		WA60T		100	56108*	2.19	
5" x 1/16" x 5/8"		A36T		25	56115	2.42	
5" x 1/16" x 5/8"		A60T		25	56117	2.42	
5" x 1/16" x 7/8"		A36T		100	56118	2.42	

*Contaminant-free.



56013



56076



56273

Type 1 Reinforced Cut-Off Wheels -

General purpose toolroom and machine shop use.



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price	
6" x .035" x 1/2"	10,200	WA60T	Metal Applications	25	56170*	\$ 2.87	
6" x .035" x 5/8"		WA60T			56171*	2.87	
6" x .040" x 7/8"		WA60T			56282*	2.53	
6" x .045" x 7/8"		WA60T			56273*	2.53	
6" x 1/16" x 5/8"		A60T			56274	3.05	
7" x .035" x 5/8"	8,740	WA60T			25	56183*	\$ 3.27
7" x .035" x 1-1/4"		WA60T				56184*	3.27
7" x .045" x 7/8"		WA60T				56275*	3.33
7" x 1/16" x 5/8"		A36T				56188	3.42
7" x 1/16" x 1-1/4"		A60T				56193	3.42

*Contaminant-free.

Type 1 Reinforced Cut-Off Wheels -

General purpose - With diamond arbor for circular saws.

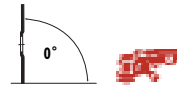


Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
7" x 1/8" x DIA.	8,740	A24T	Metal Applications	15	56208	\$ 3.97
7" x 1/8" x DIA.	8,740	C24T	Stone/Concrete	15	56209	\$ 3.97

DIA. = 5/8" arbor with diamond knockout adapter.

Cutting & Grinding Wheels

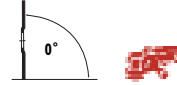
Type 27 Thin Cutting Wheels - General purpose
For fast, burr-free cutting with less resistance.



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
4-1/2" x .045" x 7/8"	13,300	WA60S	Metal Applications	25	56393*	\$ 1.83
5" x .045" x 7/8"	12,200	WA60S		100	56392*	\$ 2.08
6" x .045" x 7/8"	10,200	WA60S		100	56283*	\$ 2.53
7" x .060" x 7/8"	8,500	WA60S		25	56391*	\$ 3.14

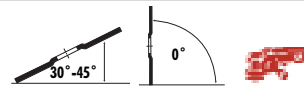
*Contaminant-free.

Type 27 Cutting Wheels - For general purpose cutting on ferrous metals.



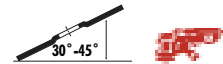
Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
4" x 3/32" x 5/8"	15,200	A24T	Metal Applications	25	56474	\$ 2.29
4-1/2" x 3/32" x 7/8"	13,300	A24T		25	56475	\$ 1.99
4-1/2" x 3/32" x 5/8"-11		A24T		10	56385	3.65
5" x 3/32" x 7/8"	12,200	A24T		25	56476	\$ 2.88
5" x 3/32" x 5/8"-11		A24T		10	56384	4.75
6" x 3/32" x 7/8"	10,200	A24R		25	56277	\$ 3.46
6" x 3/32" x 5/8"-11		A24R		10	56278	5.62
7" x 3/32" x 7/8"	8,500	A24R		25	56383	\$ 4.05
7" x 3/32" x 5/8"-11		A24R		10	56477	6.47

Type 27 Pipeline Cutting and Light Grinding Wheels -
For root pass cutting and light grinding. General purpose light grinding and cutting.



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
4" x 1/8" x 5/8"	15,200	A24R	Metal Applications	25	56431	\$ 2.24
4-1/2" x 1/8" x 7/8"	13,300	A24R		25	56430	\$ 2.10
4-1/2" x 1/8" x 5/8"-11		A24R		10	56429	3.65
5" x 1/8" x 7/8"	12,200	A24T		25	56428	\$ 3.83
5" x 1/8" x 5/8"-11		A24T		10	56427	5.26
7" x 1/8" x 7/8"	8,500	A24T		25	56426	\$ 4.02
7" x 1/8" x 5/8"-11		A24T		10	56425	6.29
9" x 1/8" x 7/8"	6,600	A24T		20	56424	\$ 6.40
9" x 1/8" x 5/8"-11		A24T		10	56423	8.75

Type 27 Grinding Wheels - For general purpose rough grinding.



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
4" x 1/4" x 5/8"	15,200	A24R	Metal Applications	25	56473	\$ 2.36
4-1/2" x 1/4" x 7/8"	13,300	A24N		25	56457	\$ 2.10
4-1/2" x 1/4" x 5/8"-11		A24N		10	56455	3.89
4-1/2" x 1/4" x 7/8"	13,300	A24R	Stone/Concrete	25	56464	\$ 2.10
4-1/2" x 1/4" x 5/8"-11		A24R		10	56454	3.89
4-1/2" x 1/4" x 7/8"	13,300	C24R		10	56483	\$ 2.31
4-1/2" x 1/4" x 5/8"-11		C24R		10	56482	4.28
5" x 1/4" x 7/8"	12,200	A24R	Metal Applications	25	56466	\$ 3.15
5" x 1/4" x 5/8"-11		A24R		10	56449	5.02
6" x 1/4" x 5/8"-11	10,200	A24R		10	56279	\$ 5.74
6" x 1/4" x 7/8"		A24R	25	56280	3.69	
7" x 1/4" x 7/8"	8,500	A24R	Stone/Concrete	20	56467	\$ 4.23
7" x 1/4" x 5/8"-11		A24R		10	56468	6.62
7" x 1/4" x 7/8"	8,500	C24R	Stone/Concrete	10	56487	\$ 4.66
7" x 1/4" x 5/8"-11		C24R		10	56486	7.28
9" x 1/4" x 7/8"	6,600	A24R	Metal Applications	20	56442	\$ 7.74
9" x 1/4" x 5/8"-11		A24R		10	56470	10.08
9" x 1/4" x 7/8"	6,600	C24R	Stone/Concrete	20	56493	\$ 8.51
9" x 1/4" x 5/8"-11		C24R		10	56492	11.09



Cutting angle iron with a chopsaw.



56283



56430



56464



56468

Large Type 1 Cutting Wheels & Accessories



56264

Large Type 1 Reinforced Wheels - General purpose - For stationary machines



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
12" x 1/8" x 1"	5,100	A24R	Metal Applications	10	56226	\$ 7.66
12" x 1/8" x 1"	5,100	C24T	Stone/Concrete	10	56234	\$ 10.37
14" x 1/8" x 1"	4,400	A30R	Metal Applications	10	56230	\$ 9.35
14" x 1/8" x 1"	4,400	C20R	Stone/Concrete	10	56246	\$ 12.74

Large Type 1 Reinforced Wheels - General purpose - For portable gas or electric saws



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
12" x 1/8" x 1"	6,300	A24T	Metal Applications	10	56241	\$ 9.60
12" x 1/8" x 1"	6,300	C24T	Stone/Concrete	10	56242	\$ 10.37
12" x 1/8" x 20mm	6,300	A24T	Metal Applications	10	56254	\$ 9.60
12" x 1/8" x 20mm	6,300	C24T	Stone/Concrete	10	56255	\$ 10.37
14" x 1/8" x 1"	5,400	A24T	Metal Applications	10	56250	\$ 11.58
14" x 1/8" x 1"	5,400	C24T	Stone/Concrete	10	56251	\$ 12.74
14" x 1/8" x 20mm	5,460	A24T	Metal Applications	10	56263	\$ 11.58
14" x 1/8" x 20mm	5,460	C24T	Stone/Concrete	10	56264	\$ 12.74



56491

Large Type 1 Reinforced Wheels - General purpose - For low horsepower chop saws



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
12" x 3/32" x 1"	5,100	A46T	Metal Applications	10	56239	\$ 7.36
12" x 3/32" x 1"	5,100	A46S		10	56238	\$ 7.36
14" x 3/32" x 1"	4,400	A46T		10	56240	\$ 8.53
14" x 3/32" x 1"	4,400	A46S		10	56244	\$ 8.53



56494

Large Type 1 Reinforced Wheels - General purpose - For walk behind machines



Diameter x Thickness x Arbor	Max. RPM	Grain/ Grit/Grade	For Use On	Standard Pack	Item Number	List Price
14" x 3/16" x 1"	4,400	C16T	Stone/Concrete	10	56268	\$ 16.67
		C16R			56267	16.67



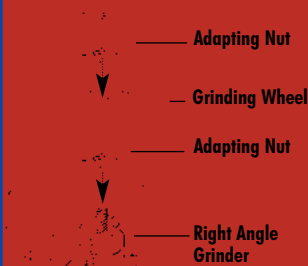
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Mounting Mandrels - 1/4" Stem. For 1"-3" Type 1 Wheels only

Arbor Size	Wheel Thickness	Standard Pack	Item Number	List Price
1/4"	.035" to 1/4"	10	56489	\$ 8.94
3/8"	.035" to 1/4"	10	56490	\$ 8.94
1/4", 3/8"*	.035" to 1/4"	10	56491	\$ 15.38

*Combination pack

Right Angle Grinder Adapting Nut Assembly



Adapting Nuts - For 4-1/2" & 5" Angle Grinders. Use with Item Numbers 56103 & 56118

Adapts To	Minimum Wheel Thickness	Standard Pack	Item Number	List Price
7/8" to 5/8"-11	1/16"	1	56494	\$ 30.46
5/8" to 3/8"-24			56484	30.46

When mounting, adapters must be nested, see illustration on left.

Plastic Adapters - For Cut-Off Wheels with 1" arbor holes.

Wheel Arbor Hole Size	Adapted Arbor Hole Size	Standard Pack	Item Number	List Price
1"	20mm	10	04455	\$.91

