

Vitrified Wheels For Steel Applications CONTINUED

AVAILABILITY



TIER:
BRAND:
TRADENAME:
ABRASIVE:

BEST

Norton

NORTON SG

Ceramic Alumina

BETTER

Norton

32A





Aluminum Oxide

GOOD

Norton

38A

Aluminum Oxide

SIZE (D x T x H)	MAX. RPM	MIN./STD. PKG.	SPEC.	PART #	SPEC.	PART #	MIN./STD. PKG.	SPEC.	PART #
Type 11 Flaring Cup 									
3/2-1/4 x 1-1/4 x 3/4	7,640	1/10			32A60-JVBE	66243529183	1/10	38A60-JVBE	66243529197
Rim 1/4" Back 3/8"	7,640	1/10			32A60-KVBE	66243529187			
Face Z (ME21560)									
3-1/2/2-3/4 x 1-1/2 x 1-1/4	7,640	1/10			32A60-KVBE	66243529358			
Rim 1/4" Back 3/8"									
Face Z (ME24327)									
4/3 x 1-1/2 x 1-1/4	5,730	1/10	5SG46-IVSP	66243530127	32A46-IVBE	66243530240	1/10	38A46-KVBE	66243530378
Rim 1/4" Back 1/2"	5,730	1/10	5SG46-KVS	66243530342	32A46-KVBE	66243530246	1/10	38A60-JVBE	66243530387
Face Z (ME19237)	5,730	1/10	5SG60-JVS	66243530415	32A60-JVBE	66243530256	1/10	38A60-KVBE	66243530390
	5,730	1/10	5SG60-LVS	66243530417	32A60-KVBE	66243530361	1/10	38A80-JVBE	66243530393
	5,730	1/10	5SG80-JVS	66243530419	32A80-KVBE	66243530368	1/10	38A80-KVBE	66243530395
	5,730	1/10	5SG80-KVS	66243530420					
4-1/2/3-3/4 x 2 x 1-1/4	5,730	1/10			32A46-KVBE	66252830539			
Rim 1/4" Back 1/2"									
(ME20115)									
5/3-3/4 x 1-3/4 x 1-1/4	4,585	1/5	5SG46-KVS	66252803291	32A46-JVBE	66252830858	1/5	38A46-KVBE	66252830971
Rim 1/4" Back 1/2"	4,585	1/5	5SG60-KVS	66252830737	32A46-KVBE	66252830859	1/5	38A60-JVBE	66252830973
Face Z (ME21563)	4,585	1/5	5SG60-LVS	66252830736	32A60-JVBE	66252830962	1/5	38A60-KVBE	66252830975
	4,585	1/5			32A60-KVBE	66252830964			
6/4-1/2 x 2 x 1-1/4	3,820	1/5			32A46-JVBE	66252838491	1/5	38A46-KVBE	66252838495
Rim 3/8" Back 1/2"	3,820	1/5			32A46-KVBE	66252838528	1/5	38A60-KVBE	66252838497
Face Z (ME19241)	3,820	1/5			32A60-JVBE	66252838492			
7/5 x 2 x 1-1/4	3,275	1/8			32A46-JVBE	66252942959	1/8	38A46-HVBE	66252942963
Rim 3/4" Back 1/2"									
(ME19242)									
Type 12 Dish 									
4 x 1/2 x 3/4	6,207	1/10			32A60-KVBE	66243530067			
(ME19226)									
6 x 1/2 x 1-1/4	4,140	1/10	5SG60-LVS	66252836574	32A46-JVBE	66252836860	1/10	38A60-JVBE	66252836977
(ME19229)	4,140	1/10			32A60-JVBE	66252836966			
6 x 3/4 x 1-1/4	4,140	1/10	5SG60-KVS	66252837771	32A46-KVBE	66252837732			
(ME19230)	4,140	1/10			32A60-JVBE	66252837734			
	4,140	1/10			32A60-KVBE	66252837735			
7 x 1/2 x 1-1/4	3,600	1/10			32A46-KVBE	66252941644			
(ME13717)	3,600	1/10			32A60-KVBE	66252941647			
8 x 3/4 x 1-1/4	3,600						1/10	38A60-KVBE	66253044319
(ME19231)									
10 x 1 x 1	2,485	1/-			32A54-JVBE	66253161196			
(ME38702)									
10 x 1 x 1-1/4	2,485	1/-			32A54-JVBE	66253161197			
(ME38702)									
Type 20 Concave One Side 									
14 x 1-1/2 x 5	1,800	1/-	5SG60-JVS	66253302265	32A60-JVBE	66253364250			
Concave from Periphery	1,800	1/-			32A60-KVBE	66253364332			
1/2" Deep to 8" Flat Spot	1,800	1/-			32A60-LVBE	66253364375			
Type 35 Plate Mounted Disc 									
9 x 2 x 4-15/16	2,550	1/-			32A46-MVBE	66253049115			
Rim 2-1/32" (ME31130)	2,550	1/-			32A60-J25VCF2	66253006557			
Plate A47248	2,550	1/-			32A70-JVBEP	66253049112			

How to Read an Abrasive Product Specification

Conventional Grinding Wheels																	
32A			46			I			8			V			BE		
ABRASIVE			GRIT SIZE			GRADE			STRUCTURE			BOND TYPE			NORTON SYMBOL		
ALUMINUM OXIDE	CERAMIC ALUMINUM OXIDE	SILICON CARBIDE	ZIRCONIA ALUMINA	COARSE	MEDIUM	FINE	SOFT	MEDIUM	HARD	RELATIVE GRAIN SPACING	Resin = B Shellac = E Plastic = P Rubber = R Vitrified = V	Designates a variation or modification to bond.					
23A	OXIDE	37C	4NZ	12	30	80	D	I	Q	↑ ↓	2						
25A	3SGP	39C	4ZF	16	46	100	F	K	S		4						
32A	3SGR	Crystolon	5ZF	20	54	120	G	L	T		5						
32AC (blend)	5SG	Masonry	AZ (blend)	24	60	150	H	M	U		6						
38A	BRG		BlueFire		70	220		N	V		8						
48A	SG		Charger					O	Y		12						
53A	SXG		(blend)					P	Z		16						
55A	NorZon Plus		NZ								19						
57A	(blend)		NZC (blend)								25						
U57A	NQ Quantum		NZIII								28						
64A	Targa		NZIV														
86A			NorZon														
90A			ZI														
Alundum																	
FabCut																	
India																	
Gemini																	
Metal																	
Vortex																	

Shelf Life and Proper Storage of Grinding Wheels

It has always been Saint-Gobain Abrasives recommendation that resinoid bonded grinding wheels be used within 2 years from the date of manufacture. This recommendation assumes that resinoid bonded grinding wheels have been stored under ideal storage conditions. It might be true that under ideal storage conditions resinoid bonded grinding wheels can survive without any degradation in strength for well over two years. However, it is always wise to suspect any wheels over two years old and have them reinspected or re-speed tested to determine if there has been any degradation in strength. If the wheels are stored under less than ideal conditions, they might have a much shorter shelf life depending upon the severity of storage conditions. These same comments also apply to rubber and shellac bonded grinding wheels.

As for vitrified grinding wheels, the shelf life is less influenced by humidity and adverse storage conditions as compared to resinoid, rubber or shellac, but even vitrified grinding wheels do not have an infinite shelf life. The best procedure and the best rule of thumb is to have any wheel that is two years old or older re-speed tested and reinspected to ensure it is fit for use. The procedure for having this done and the charges will be explained by our Customer Service Department, but the cost of shipping as well as the cost of re-inspection is the customer's responsibility. Also, any wheels rejected or otherwise lost in the re-inspection process will also be the responsibility of the customer.

Keep in mind, however, that this procedure is good to verify the reliability of a product but must not be performed until you are ready to consume the wheel. If wheels are sent back after the two year time frame for re-inspection and re-testing and then put back on the shelf, there is no telling how long they will be fit for use after that last inspection. Therefore, these wheels must be consumed as soon as is practical.

