



Rough Portable Wheels, Cones, and Plugs

Designed for consistent, quality grinding performance in foundries, welding shops, fabrication facilities, steel mills, and shipyards. Typical uses include smoothing weld seams, cleaning castings, and preparing surfaces for plating or painting. Straight wheels, cones, and plugs are designed for use on horizontal/straight shaft grinders. Flaring cup wheels are designed for use on right angle portable cup grinders.



3UP16



6A079



2D921



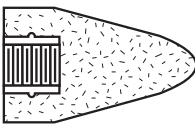
2D916



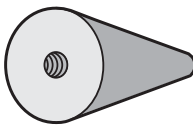
Type 1
Straight Wheel



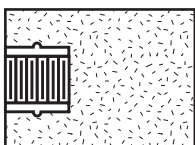
Type 11
Flaring Cup



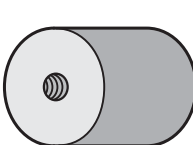
Type 16
Cones



Type 17
Cones



Type 18
Plugs



Type 18R
Plugs

ABRASIVE		WHEEL SPECIFICATION		APPLICATION	
57A - Aluminum oxide				Good performance on steel, steel alloys, and iron	
57AC - Aluminum oxide/Silicon carbide blend				Good performance on dirty, scale-covered steel parts	
AZ - Zirconia alumina/Aluminum oxide blend				Better performance on steel, steel alloys, and iron	
NZ - Zirconia alumina				Best performance on steel, steel alloys, and iron	
37C - Silicon carbide				For masonry and nonsteel	
BLUEFIRE - Ceramic/Zirconia				For steel, iron, and graphite foundry snagging jobs	

Abrasive Wheel Diameter	Thickness	Arbor Hole Size	Abrasive Material	Trade Name	Specification	Max. RPM	Item No.
Straight Grinding Wheels							
Type 1							
2 1/2 in	1/2 in	3/8 in	Aluminum Oxide	Gemini	57A24-R	21,700	5GC51
	3/8 in	3/8 in	Aluminum Oxide	Gemini	57A24-R	18,080	2D929
3 in	1/2 in	3/8 in	Aluminum Oxide	Gemini	57A24-R5B7	12,100	3UP17
	3/8 in	3/8 in	Aluminum Oxide	Gemini	57A24-P	18,080	3UP16
4 in	1/4 in	3/8 in	Zirconia Alumina	BlueFire	57A16-Q	15,280	26ZX12
	1 in	3/8 in	Aluminum Oxide	Gemini	57A16-OS	8,000	3UP18
6 in	1 in	3/8 in	Zirconia Alumina	BlueFire	4NZ14-RBSX406	8,000	22UT41
	1 in	3/8 in	Zirconia Alumina	BlueFire	4NZ14-QBSX406	6,000	22UT42
8 in	1 in	3/8 in	Zirconia Alumina	BlueFire	NZC16-QBSX406	6,000	22UT43

Abrasive Wheel Diameter	Back Dia.	Thickness	Rim Thickness	Arbor Hole Size	Abrasive Material	Trade Name	Specification	Max. RPM	Item No.
Flaring Cup Grinding Wheels									
Type 11									
4 in	3"	2 in	3/4"	3/8"-11	Aluminum Oxide	Gemini	57A16-Q	9,070	2D922
	3"	2 in	3/4"	3/8"-11	Zirconia Alumina	BlueFire	4NZ16-QBX406	9,070	15K069
	3"	2 in	3/4"	3/8"-11	Zirconia Alumina	—	4NZ16-QBX406	9,070	22UT39
	3 3/4"	2 in	1"	3/8"-11	Aluminum Oxide	Gemini	57A16-Q	7,260	6A079
5 in	3 3/4"	2 in	1"	3/8"-11	Zirconia Alumina	BlueFire	4NZ16-QBX406	7,260	15K070
	3 13/16"	2 in	1"	3/8"-11	Zirconia Alumina	BlueFire	4NZ16-QBX406	7,260	15K071
	4 3/4"	2 in	1"	3/8"-11	Aluminum Oxide	Gemini	57A16-Q	6,000	15K106
	4 3/4"	2 in	1 1/2"	3/8"-11	Aluminum Oxide	Gemini	57A16-Q	6,000	6A081
6 in	4 3/4"	2 in	1 1/2"	3/8"-11	Aluminum Oxide	Gemini	57AC16-Q	6,000	2D932
	4 3/4"	2 in	1 1/2"	3/8"-11	Silicon Carbide	Gemini	37C16-P	6,000	5A879
	4 3/4"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	BlueFire	NZC16-QBX406	6,000	15K072
	4 3/4"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	—	4NZ16-QBX406	6,000	22UT40
	4 3/4"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	BlueFire	4NZ14-R	6,000	26ZW99
	4 13/16"	2 in	1 1/2"	3/8"-11	Aluminum Oxide	Gemini	57A16-Q	6,000	15K102
	4 13/16"	2 in	1 1/2"	3/8"-11	Aluminum Oxide	Gemini	57AC16-Q	6,000	15K103
	4 13/16"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	BlueFire	NZC16-QBX406	6,000	15K074
4 13/16"	2 in	1"	3/8"-11	Zirconia Alumina	BlueFire	4NZ16-QBX406	6,000	15K073	
4 13/16"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	BlueFire	4NZ14-R	6,000	26ZX03	
4 13/16"	2 in	1 1/2"	3/8"-11	Zirconia Alumina	BlueFire	4NZ16-QBX406	6,000	26ZX13	

Grinding Cone Diameter	Thickness	Arbor Hole Size	Abrasive Material	Trade Name	Specification	Max. RPM	Item No.
Grinding Cones							
Type 16							
1 in	3"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	36,290	2D920
	2 1/2"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	24,190	1PYL1
1 1/2 in	3"	3/8"-24	Zirconia Alumina	BlueFire	AZ24-R	24,190	26ZX04
	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	24,190	26ZX05
	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	24,190	2D917
	3"	3/8"-11	Zirconia Alumina	NZ Plus	NZ20-R	24,190	15K108
1 3/4 in	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	20,740	2D919
	3"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	20,735	15K107
2 in	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	18,145	26ZX06
	3"	3/8"-11	Zirconia Alumina	NZ Plus	NZ20-R	18,145	15K109
2 3/4 in	2 1/2"	3/8"-11	Zirconia Alumina	BlueFire	AZ16-R	13,195	26ZX07
	3 1/2"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	13,195	1PYA3

Type 17 (Square Tip)							
1 1/2 in	3"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	24,190	2D921
2 in	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	18,145	1PYL8

Type 17R (Round Tip)							
2 in	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	18,145	26ZX14

Grinding Plugs							
Type 18 (Square Tip)							
1 1/2 in	2 1/2"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	24,190	26ZX01
	2 1/2"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	24,190	15K110
	2 1/2"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	24,190	3UP14
	2 1/2"	3/8"-11	Zirconia Alumina	NZ Plus	NZ20-R	24,190	1PYL9
2 in	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	24,190	26ZX08
	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	24,190	2D918
	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	18,145	26ZX09
	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ24-R	18,145	26ZX10
2 in	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	18,145	1PYN4
	3"	3/8"-11	Zirconia Alumina	NZ Plus	NZ20-R	18,145	1PYN5
	Type 18R (Round Tip)						
1 1/2 in	3"	3/8"-24	Aluminum Oxide	Gemini	57A24-R	24,190	1PYN8
2 in	3"	3/8"-11	Zirconia Alumina	BlueFire	AZ20-R	18,145	26ZX02
	3"	3/8"-11	Aluminum Oxide	Gemini	57A24-R	18,145	2D916