

# Depressed Center Wheels for Grinding

## Premier Red Zirconia Alumina Abrasive

### Features

- High-performance zirconia alumina abrasive
- High-performance resin bond
- Exceptional balance
- Unique glass cloth reinforcement design
- Best performing wheel

### Benefits

- 60% faster stock removal and a minimum of 3 times the life over aluminum oxide wheels
- Enhanced life; exceptional cut rate
- No vibration
- No bouncing on workpiece
- Less grinder maintenance
- Less operator fatigue
- No fraying or spalling of abrasive grit
- Highest productivity; lowest total grinding cost

### Z24

Outstanding results grinding stainless steel, high alloy steel, and all ferrous metals.

### Z24 Long Life

Extended life when grinding stainless steel, high alloy steel and all ferrous metals.

TYPE 28



TYPE 27



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539502864	3 x 1/4 x 3/8	Z24	18,000	20
05539502867	4 x 1/4 x 3/8	Z24	15,280	20
05539502868	4 x 1/4 x 5/8	Z24	15,280	20
05539502873	4-1/2 x 1/4 x 5/8-11	Z24	13,580	20
05539502872	4-1/2 x 1/4 x 7/8	Z24	13,580	20
05539502877	5 x 1/4 x 5/8-11	Z24	12,225	20
05539502876	5 x 1/4 x 7/8	Z24	12,225	20

continued

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders (continued)</b>				
05539502883	7 x 1/4 x 5/8-11	Z24	8,600	10
05539502884	7 x 1/4 x 5/8-11	Z24 Long Life	8,600	10
05539502881	7 x 1/4 x 7/8	Z24	8,600	20
05539502882	7 x 1/4 x 7/8	Z24 Long Life	8,600	20
05539502889	9 x 1/4 x 5/8-11	Z24	6,600	10
05539502890	9 x 1/4 x 5/8-11	Z24 Long Life	6,600	10
<b>Type 28 - For Right Angle Grinders</b>				
05539502892	7 x 1/4 x 5/8-11	Z24	8,600	10

## Gold MaXX Zirconia Alumina/Aluminum Oxide Abrasive Blend

### Features

- Premium zirconia alumina and aluminum oxide abrasive blend in a free-cutting bond

### Benefits

- Excellent cut rate and long life
- 10% faster cut rate and 30% longer life than standard aluminum oxide wheels
- Smooth grinding action that maximizes productivity and minimizes operator fatigue

Grinds efficiently on a variety of ferrous metals: from carbon steel to stainless steels and some exotic metals.



TYPE 27

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539570192	4-1/2 x 1/4 x 5/8-11	ZA24-R	13,580	20
05539570191	4-1/2 x 1/4 x 7/8	ZA24-R	13,580	20
05539570193	5 x 1/4 x 7/8	ZA24-R	12,225	20
66252830562	6 x 1/4 x 7/8	ZA24-R	10,185	20
05539570195	7 x 1/4 x 5/8-11	ZA24-R	8,600	10
05539570194	7 x 1/4 x 7/8	ZA24-R	8,600	20
05539570197	9 x 1/4 x 5/8-11	ZA24-R	6,600	10
05539570196	9 x 1/4 x 7/8	ZA24-R	6,600	20

# Depressed Center Wheels for Grinding

## Gold Aluminum Oxide Abrasive

### Features

- Quality aluminum oxide abrasive
- Advanced resin bond
- Exceptional balance
- Unique glass cloth reinforcement design

### Benefits

- Fast stock removal
- Free cutting without a reduction in wheel life
- No vibration
- No burning of workpiece
- Less grinder maintenance
- Less operator fatigue
- No fraying or spalling of abrasive grit

### A24 Aluminum Oxide Abrasive - For Steel/Metal

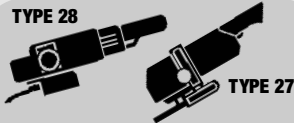
The choice for grinding all types of ferrous metals and various alloy steels.

### A30 Aluminum Oxide Abrasive - For Stainless Steel

Ideal for grinding all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards; no contamination of workpiece.

### A46 Aluminum Oxide Abrasive - For Aluminum

Engineered for grinding aluminum weld beads and fabricated parts.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539502836	4 x 1/4 x 3/8	A24	15,280	20
05539502837	4 x 1/4 x 5/8	A24	15,280	20
05539502843	4-1/2 x 1/4 x 5/8-11	A24	13,580	20
05539502842	4-1/2 x 1/4 x 7/8	A24	13,580	20
05539502847	5 x 1/4 x 5/8-11	A24	12,225	20
05539502846	5 x 1/4 x 7/8	A24	12,225	20
05539502849	6 x 1/4 x 7/8	A24	10,185	20
05539502854	7 x 1/4 x 5/8-11	A24	8,600	10
05539502853	7 x 1/4 x 7/8	A24	8,600	20
05539502858	9 x 1/4 x 5/8-11	A24	6,600	10
05539502857	9 x 1/4 x 7/8	A24	6,600	20

### Type 28 - For Right Angle Grinders

05539502860	7 x 1/4 x 5/8-11	A24	8,600	10
05539502859	7 x 1/4 x 7/8	A24	8,600	20
05539502862	9 x 1/4 x 5/8-11	A24	6,600	10
05539502861	9 x 1/4 x 7/8	A24	6,600	20

### For Stainless Steel

#### Type 27 - For Right Angle Grinders

05539561560	4-1/2 x 1/4 x 5/8-11	A30	13,580	20
05539503511	4-1/2 x 1/4 x 7/8	A30	13,580	20

### For Aluminum

#### Type 27 - For Right Angle Grinders

05539508158	4-1/2 x 1/4 x 5/8-11	A46	13,580	20
05539503588	4-1/2 x 1/4 x 7/8	A46	13,580	20
05539503589	5 x 1/4 x 7/8	A46	12,225	20
05539503594	7 x 1/4 x 5/8-11	A46	8,600	10

## Carbo Metal Aluminum Oxide Abrasive

### Features

- Quality aluminum oxide abrasive
- Low initial cost per wheel

### Benefits

- Quick stock removal on hard metals
- Ideal for on-site and small-unit jobs

Economical choice for initial-price-conscious customers with general purpose applications.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539561568	4-1/2 x 1/4 x 5/8-11	A24	13,580	20
05539561567	4-1/2 x 1/4 x 7/8	A24	13,580	20
05539561571	5 x 1/4 x 7/8	A24	12,225	20
05539561576	7 x 1/4 x 5/8-11	A24	8,600	10
05539561575	7 x 1/4 x 7/8	A24	8,600	20
05539561580	9 x 1/4 x 5/8-11	A24	6,600	10

# Depressed Center Wheels for Light Grinding and Cutting

## Premier Red Zirconia Alumina Abrasive

### Features

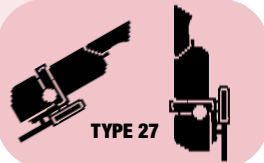
- High-performance zirconia alumina abrasive
- High-performance resin bond
- Exceptional balance
- Unique glass cloth reinforcement design
- Best performing wheel

### Benefits

- 60% faster stock removal and a minimum of 3 times the life over aluminum oxide wheels
- Enhanced life; exceptional cut rate
- No vibration
- No bouncing on workpiece
- Less grinder maintenance
- Less operator fatigue
- No fraying or spalling of abrasive grit
- Highest productivity, lowest total grinding cost

Outstanding results cutting and light grinding stainless steel, high alloy steel and all ferrous metals.

These wheels can be used for both cutting and light grinding.



### TechTip

For maximum performance, run the grinder at the "Maximum Operating Speed", which is marked on the wheel.



It is the user's responsibility to refer to and comply with ANSI B7.1

PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539507349	4 x 1/8 x 3/8	Z24	15,280	20
05539504702	4-1/2 x 1/8 x 5/8-11	Z24	13,580	20
05539504701	4-1/2 x 1/8 x 7/8	Z24	13,580	20
05539504703	5 x 1/8 x 7/8	Z24	12,225	20
05539504706	7 x 1/8 x 5/8-11	Z24	8,600	10
05539504708	9 x 1/8 x 5/8-11	Z24	6,600	10

## Gold MaXX Zirconia Alumina/Aluminum Oxide Abrasive Blend

### Features

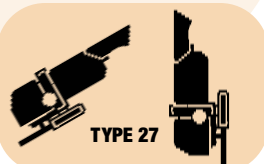
- Premium zirconia alumina and aluminum oxide abrasive blend in a free-cutting bond

### Benefits

- Excellent cut rate and long life
- 10% faster cut rate and 30% longer life than standard aluminum oxide wheels
- Smooth grinding action that maximizes productivity and minimizes operator fatigue

Grinds efficiently on a variety of ferrous metals: from carbon steel to stainless steels and some exotic metals.

These wheels can be used for both cutting and light grinding.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
66252832395	4-1/2 x 1/8 x 5/8-11	ZA24-R	13,580	20
66252832507	4-1/2 x 1/8 x 7/8	ZA24-R	13,580	20
66252832508	5 x 1/8 x 7/8	ZA24-R	12,225	20
66252830561	6 x 1/8 x 7/8	ZA24-R	10,185	20
66252832396	7 x 1/8 x 5/8-11	ZA24-R	8,600	10
66252832509	7 x 1/8 x 7/8	ZA24-R	8,600	20
66252830879	9 x 1/8 x 5/8-11	ZA24-R	6,600	10

# Depressed Center Wheels for Light Grinding and Cutting

## Gold Aluminum Oxide Abrasive

### Features

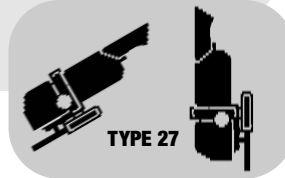
- Quality aluminum oxide abrasive
- Advanced resin bond
- Exceptional balance
- Unique glass cloth reinforcement design
- Value priced

### Benefits

- Fast stock removal
- Free cutting without a reduction in wheel life
- No vibration
- No burning of workpiece
- Less grinder maintenance
- Less operator fatigue
- No fraying or spalling of abrasive grit
- Good performance/price ratio

*The economical choice for cutting and light grinding all types of ferrous metals and various alloy steels.*

*These wheels can be used for both cutting and light grinding.*



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539504709	4 x 1/8 x 5/8	A24	15,280	20
05539504711	4-1/2 x 1/8 x 5/8-11	A24	13,580	20
05539504710	4-1/2 x 1/8 x 7/8	A24	13,580	20
05539504712	5 x 1/8 x 7/8	A24	12,225	20
05539504714	6 x 1/8 x 7/8	A24	10,185	20
05539504716	7 x 1/8 x 5/8-11	A24	8,600	10
05539504718	9 x 1/8 x 5/8-11	A24	6,600	10
05539504717	9 x 1/8 x 7/8	A24	6,600	20

## Carbo Metal Aluminum Oxide Abrasive

### Features

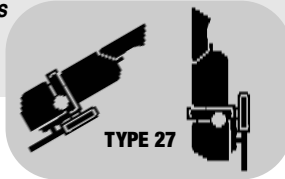
- Quality aluminum oxide abrasive
- Low initial cost per wheel

### Benefits

- Quick stock removal on hard metals
- Ideal for on-site and small-unit jobs

*Economical choice for initial-price-conscious customers with general purpose applications.*

*These wheels can be used for both cutting and light grinding.*



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539561566	4-1/2 x 1/8 x 5/8-11	A24	13,580	20
05539561574	7 x 1/8 x 5/8-11	A24	8,600	10

# Depressed Center Cutting-off Wheels

## Premier Red Zirconia Alumina Abrasive

### Features

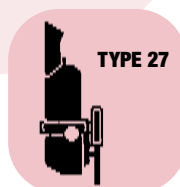
- High-performance zirconia alumina abrasive
- High-performance resin bond
- Exceptional balance
- Best performing wheel

### Benefits

- 60% faster stock removal and a minimum of 3 times the life over aluminum oxide wheels
- Enhanced life; exceptional cut rate
- No vibration
- No bouncing on workpiece
- Less grinder maintenance
- Less operator fatigue
- Highest productivity; lowest total grinding cost

*Outstanding results cutting stainless steel, high alloy steel and all ferrous metals.*

*These wheels should be used for cutting only.*





# Depressed Center Cutting-off Wheels

## Gold Aluminum Oxide Abrasive

### Features

- Quality aluminum oxide abrasive
- Advanced resin bond
- Exceptional balance
- Value priced

### Benefits

- Fast stock removal
- Free cutting
- No vibration
- No burning of workpiece
- Less grinder maintenance
- Less operator fatigue
- Good performance/price ratio

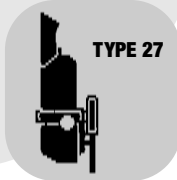
### A24 Aluminum Oxide Abrasive - For Steel/Metal

Ideal choice for cutting all types of ferrous metals and various alloy steels.

### A30 Aluminum Oxide Abrasive - For SS

Engineered to cut all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards; no contamination of workpiece.

These wheels should be used for cutting only.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539502833	4 x .125 x 3/8	A24	15,280	20
05539502834	4 x .125 x 5/8	A24	15,280	20
05539502839	4-1/2 x .125 x 5/8-11	A24	13,580	20
05539502838	4-1/2 x .125 x 7/8	A24	13,580	20
05539502844	5 x .125 x 7/8	A24	12,225	20
05539502848	6 x .125 x 7/8	A24	10,185	20
05539502851	7 x .125 x 5/8-11	A24	8,600	10
05539502850	7 x .125 x 7/8	A24	8,600	20
05539502856	9 x .125 x 5/8-11	A24	6,600	10
05539502855	9 x .125 x 7/8	A24	6,600	20
<b>For Stainless Steel</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539561559	4-1/2 x .125 x 5/8-11	A30	13,580	20

## Gold Aluminum Oxide Abrasive

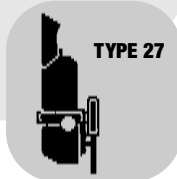
### Features

- Quality aluminum oxide abrasive
- Advanced resin bond
- Extra thin
- Specially reinforced

### Benefits

- Burn-free cutting
- Long life
- Meets nuclear industry standards
- Quick cutting action
- Minimal kerf loss
- Added safety, strength and straight cuts

Engineered for cutting pipe and all types of stainless steel and various hard alloys. Formulated to meet nuclear industry standards; no contamination of workpiece.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>For Steel/Stainless Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
05539563817	4-1/2 x 3/32 x 7/8	A30	13,580	20
05539563819	5 x 3/32 x 7/8	A30	12,225	20
66252829706	6 x 3/32 x 7/8	A30	10,185	20
05539563821	7 x 3/32 x 7/8	A30	8,600	20

These wheels should be used for cutting only.

## GoldCut Aluminum Oxide Abrasive

### Features

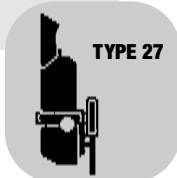
- Quality aluminum oxide abrasive
- Clean bond
- Extra thin depressed center cutting-off wheels
- Specially reinforced
- Hubbed wheels

### Benefits

- Burn-free cutting
- Works particularly well on stainless
- No sulphur, iron or chlorine in bond means no contamination of workpiece
- Quick cutting action
- Minimal kerf loss
- Added safety, strength and straight cuts
- Quick, tool-free changes increase productivity

Excellent choice for cutting all types of metals and various alloy steels.

These wheels should be used for cutting only.



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/ BOX
<b>For Steel/Metal</b>				
<b>Type 27 - For Right Angle Grinders</b>				
66252830584	4-1/2 x .045 x 5/8-11	A30	13,580	20
05539561551	4-1/2 x .045 x 7/8	A30	13,580	20
05539561553	5 x .045 x 7/8	A30	12,225	20
05539561554	6 x .045 x 7/8	A30	10,185	20
05539561555	7 x 1/16 x 7/8	A30	8,600	20
66252830585	9 x 1/16 x 5/8-11	A30	6,600	10

# Depressed Center Wheels for Blending and Polishing

## Gold Flexible Aluminum Oxide Abrasive

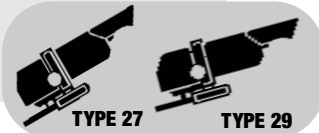
### Features

- Aluminum oxide grain
- Special formulation
- Flexible
- Type 29 conical has nubs on the face; (Use at a 15° angle)
- Type 27 has concentric grooves

### Benefits

- Cool cutting; leaves no burn marks
- Prevents loading
- No offensive odors generated while grinding
- Type 27 meets nuclear industry standards; no contamination of workpiece
- Excellent control of finish quality and removal rate in light stock removal applications
- Shallow grinding angle permits larger contact area with less gouging of workpiece
- Nubs/grooves allow more air to circulate in grinding zone, promoting cooler cutting (reducing heat and loading) and better swarf removal
- Ideal for getting into tight spaces, smoothing corners and curves, and polishing and blending welds on flat surfaces

*Blending, finishing and polishing of stainless steel, aluminum, structural steel, carbon steel, cast iron welds and burrs.*



PART NO.	WHEEL SIZE	GRADING	MAX. RPM	WHEELS/BOX
<b>For Steel/Stainless Steel/Metal</b>				
<b>Type 27 – For Right Angle Grinders</b>				
05539567289	4-1/2 x 1/8 x 7/8	A60-Medium	13,580	20
05539567287	7 x 1/8 x 5/8-11	A60-Medium	8,600	10
<b>For Steel/Metal</b>				
<b>Type 29 – For Right Angle Grinders</b>				
66252833457	4-1/2 x 1/8 x 7/8	A36	13,580	20
66252833458	5 x 1/8 x 7/8	A36	12,225	20

## Metal Adapter Kit



*This adapter kit contains the items necessary to mount depressed center wheels with 7/8" center holes on to standard portable right angle or vertical shaft grinders. Adapter hubs are threaded for mounting on to standard 5/8"-11 NCRH spindles. This adapter kit may be used with wheel thicknesses of 1/8" or 1/4". All depressed center wheels must use the proper adapters to securely mount to the spindle.*

PART NO.	DESCRIPTION	KITS/BOX
<b>For Depressed Center Wheels</b>		
07660789275	Adapter Kit	1

# Depressed Center Wheels

## Spec Check

### DEPRESSED CENTER WHEEL STARTING RECOMMENDATIONS BY MATERIAL

MATERIALS:	HEAVY-DUTY GRINDING BEST PERFORMANCE	GENERAL-DUTY GRINDING	BLENDING AND FINISHING	CUTTING	SURFACE PREPARATION
ANGLE / CHANNEL IRON BAR STOCK / I-BEAMS CARBON / HIGH TENSILE STEEL METAL STUDS / TUBING	PREMIER RED TYPE 27	GOLD MAXX TYPE 27 GOLD TYPE 27	GOLD FLEXIBLE TYPE 27, 29	GOLD TYPE 27	FIBRATEx SURFACE STRIP FIBRATEx SURFACE FINISH
CAST IRON / PIPE	PREMIER RED TYPE 27	GOLD MAXX TYPE 27 GOLD TYPE 27	GOLD FLEXIBLE TYPE 27, 29	GOLD TYPE 27	FIBRATEx SURFACE STRIP FIBRATEx SURFACE FINISH
STAINLESS / ALLOYS	PREMIER RED TYPE 27	GOLD MAXX TYPE 27 GOLD SS TYPE 27	GOLD FLEXIBLE TYPE 27, 29	GOLD SS TYPE 27	FIBRATEx SURFACE STRIP FIBRATEx SURFACE FINISH
ALUMINUM / BRASS / BRONZE	PREMIER RED TYPE 27	GOLD MAXX TYPE 27 GOLD ALU TYPE 27	GOLD FLEXIBLE TYPE 27, 29	GOLD ALU TYPE 27	FIBRATEx SURFACE STRIP FIBRATEx SURFACE FINISH
FIBERGLASS / PLASTIC	-	GOLD FLEXIBLE TYPE 27	GOLD FLEXIBLE TYPE 27, 29	GOLD TYPE 27	FIBRATEx SURFACE STRIP FIBRATEx SURFACE FINISH
PAINT / RUST	-	GOLD TYPE 27	-	-	-

## Depressed Center Wheel Competitive Cross Reference

CARBORUNDUM	FLEXOVIT	METABO	PFERD	SAIT	TYROLIT	WALTER
PREMIER RED LONG LIFE Z24LL	FLEXON ZA-24P		ZA-SG	ATTACKER		A-20-XX
PREMIER RED Z24	FLEXON ZA-20Q	ZA24	ZA-SG	Z-TECH	1ZA30QBFX	A-20-XX
GOLD MAXX ZA24-R	FLEXON	ZA24	ZA-SG	Z-TECH	1ZA30QBFX	A-20-XX
GOLD A24	A24/A30T	A24R/T	A-SG	A24R, A24T	A30RBF	A-24-HPS
GOLD ALUMINUM A46	A24ALU	A36M	A-W-ALU	A46N	A36NBFX	A-24-ALU
GOLD FLEXIBLE	FLEXCEL			CHALLENGER	RONDELLER	ROTELLER
CARBO METAL A24	A30S	A24N		A24N		



### TechTip

For best results, hold your right angle grinder at a:

- 30° angle with 1/4" and 1/8" thick Type 27 wheels
- 90° angle with .045", 1/16", 3/32", .125" and 1/8" thick Type 27 wheels
- 15° angle with saucers (Type 28) and Gold Flexible (Type 29) Wheels



It is the user's responsibility to refer to and comply with ANSI B7.1

