TYPE 27
Depressed Center Wheels

Grinding
1/4"

A24N - *Fast Grinding*
- Aluminum oxide grain
- Soft bond for **fast stock removal**

METAL Ferrous Metals (iron, steel, welds, etc.)
STAINLESS Low grade stainless steel

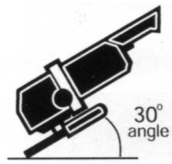
A24R - *Long Life*
- Aluminum oxide grain - our most popular wheel
- For general purpose grinding
- **Longer life** for fewer wheel changes

METAL Ferrous Metals (iron, steel, welds, etc.)

A24T - *Edge Grinding*
- Aluminum oxide grain
- Hard bond designed for **edge and bevel grinding** and other applications where a harder wheel is preferred
- **Longer life** for fewer wheel changes

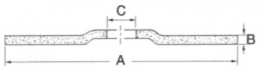
METAL Ferrous Metals (iron, steel, welds, etc.)

GENERAL PURPOSE



Angle Grinder

5/8-11
Super-Lock™ Hub



Size A Dia.	Size B Width	Size C Bore	Max RPM	Grades Available Part Number A24N	A24R	A24T	Qty Per Box	Qty Per Ctn	Lbs Per Box
3	3/16	3/8	18,000			-	25	100	3
3	1/4	3/8	18,000			-	25	100	4
4	3/16	3/8	13,500			-	25	100	6
4	1/4	3/8	13,500			-	25	100	7
4	1/4	5/8	13,500			-	25	100	7
4-1/2	3/16	7/8	13,300			-	25	100	8
4-1/2	3/16	5/8-11	13,300			-	10	40	5
4-1/2	1/4	7/8	13,300			20065	25	100	9
4-1/2	1/4	5/8-11	13,300				10	40	6
5	1/4	7/8	12,200			20075	25	100	11
5	1/4	5/8-11	12,200				10	40	6
6	1/4	7/8	10,200			20280	25	50	18
6	1/4	5/8-11	10,200				10	40	10
7	1/4	7/8	8,500			20285	25	50	24
7	1/4	5/8-11	8,500				10	40	14
9	1/4	7/8	6,600			20295	25	50	42
9	1/4	5/8-11	6,600				10	40	20

Quick Tip
The "softer" a grinding wheel is (A24N) the faster it will remove metal.

Grinding 1/4" TYPE 27 Depressed Center Wheels

SaitZtech™

Z24R - *Zirconium*

- Tough zirconium grain
- **High performance grinding for the toughest applications**

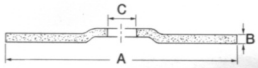
METAL Ferrous metals (iron, steel, welds)

STAINLESS Stainless steel, high tensile alloys

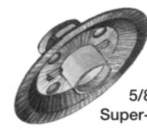
HIGH PERFORMANCE

UNITED ABRASIVES, INC.

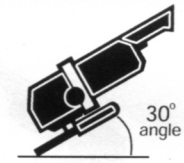
SAIT



Size A Dia.	Size B Width	Size C Bore	Max RPM	Part Number Z24R	Qty Per Box	Qty Per Ctn	Lbs Per Box
4	1/4	5/8	13,500		25	100	7
4-1/2	1/4	7/8	13,300	22600	25	100	9
4-1/2	1/4	5/8-11	13,300		10	40	6
5	1/4	7/8	12,200	22602	25	100	12
5	1/4	5/8-11	12,200		10	40	6
6	1/4	7/8	10,200	22603	25	50	20
6	1/4	5/8-11	10,200		10	40	9
7	1/4	7/8	8,500	22604	25	50	25
7	1/4	5/8-11	8,500		10	40	14
9	1/4	7/8	6,600		25	50	42
9	1/4	5/8-11	6,600		10	40	21



5/8-11
Super-Lock™ Hub

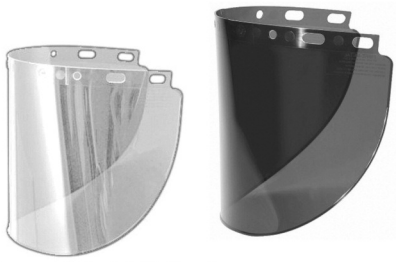


Angle Grinder

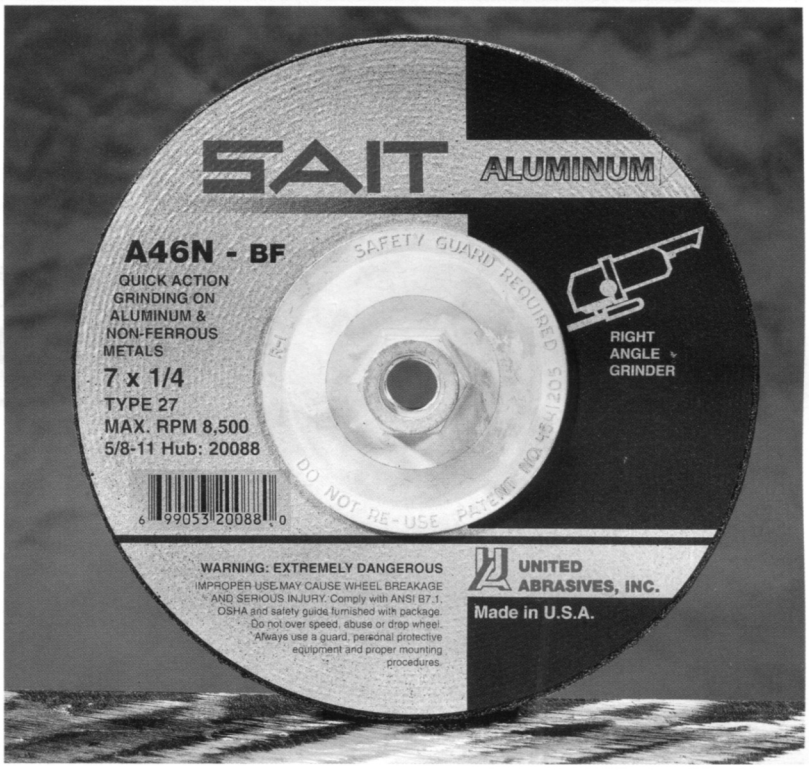
TYPE 27 Depressed Center Wheels

Grinding 1/4"

FIBRE-METAL®
by Honeywell



Faceshield Windows
Fibre-Metal® by Honeywell®
• Fits F400 and F500 mounting crowns
see page 735

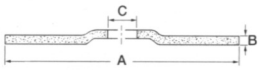


ALUMINUM GRINDING

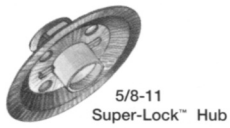
A46N - *Aluminum*

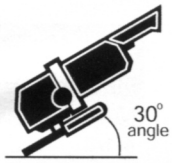
- Aluminum oxide grain
- **Soft bond for aggressive removal of material without loading**
- Outlasts competition by as much as 40%

ALUMINUM Non-ferrous metals (aluminum, copper, brass, etc.)



Size A Dia.	Size B Width	Size C Bore	Max RPM	Part Number A46N	Qty Per Box	Qty Per Ctn	Lbs Per Box
4	1/4	5/8	13,500		25	100	7
4-1/2	1/4	7/8	13,300	20062	25	100	9
4-1/2	1/4	5/8-11	13,300		10	40	6
5	1/4	7/8	12,200	20072	25	100	11
5	1/4	5/8-11	12,200		10	40	6
7	1/4	7/8	8,500	20083	25	50	24
7	1/4	5/8-11	8,500		10	40	13
9	1/4	7/8	6,600		25	50	41
9	1/4	5/8-11	6,600		10	40	20





Angle Grinder

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Grinding 1/4" TYPE 27 Depressed Center Wheels

CONTAMINANT-FREE/STAINLESS STEEL

XA24Q - *Contaminant-Free*

- Specially formulated for nuclear and food processing plants
- Free of iron, chlorine and sulphur compounds (Fe + Cl + S <0.1%)

STAINLESS Stainless steel and other high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

UNITED ABRASIVES, INC.
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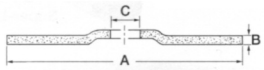
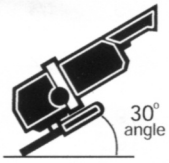
contaminant cf free

- Available in 1/8" for pipeline work
- Will not contaminate stainless steel



Size			Max	Part	Qty	Qty	Lbs
A Dia.	B Width	C Bore	RPM	Numbers	Per Box	Per Ctn	Per Box
4-1/2	1/4	7/8	13,300	24210	25	100	9
5	1/4	7/8	12,200	24215	25	100	9
6	1/4	7/8	10,200	24220	25	50	20
7	1/4	7/8	8,500	24225	25	50	25
9	1/4	7/8	6,600	24230	25	50	49



Angle Grinder

- Specially formulated for contaminant-free stock removal on stainless steel
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance

TYPE 27 Depressed Center Wheels

Grinding 1/4"

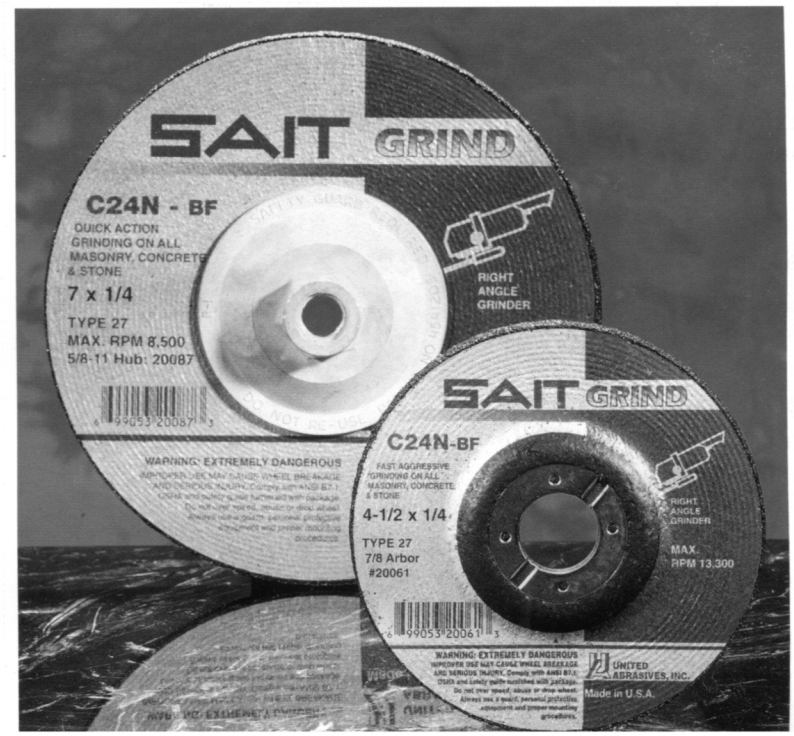
CONCRETE GRINDING

C24N - *Concrete*

- Silicon carbide grain
- Soft bond for **fast stock removal**

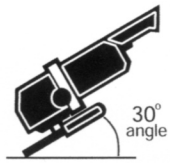
CONCRETE Masonry, concrete, stone

METAL Cast iron and other ferrous metals



Quick Tip
Use the C24N wheel on hard to grind metal like cast iron

5/8-11 Super-Lock™ Hub



Angle Grinder

UNITED ABRASIVES, INC.

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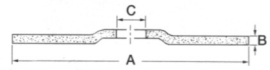


Size			Max	Part	Qty	Qty	Lbs
A Dia.	B Width	C Bore	RPM	Number	Per Box	Per Ctn	Per Box
4	1/4	5/8	13,500		25	100	6
4-1/2	1/4	7/8	13,300	20061	25	100	8
4-1/2	1/4	5/8-11	13,300		10	40	6
5	1/4	7/8	12,200	20071	25	100	10
5	1/4	5/8-11	12,200		10	40	6
7	1/4	7/8	8,500	20082	25	50	24
7	1/4	5/8-11	8,500		10	40	12
9	1/4	7/8	6,600	20092	25	50	33
9	1/4	5/8-11	6,600		10	40	7

Tech INFO

- Special silicon carbide grain formula is excellent for grinding masonry, concrete, stone and aggregate
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**

Cutting/Grinding 1/8" TYPE 27 Specialty Pipeline Wheels

A24R Pipeline - Long Life

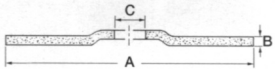
- Aluminum oxide grain
- For the pipeline industry
- **Designed and manufactured to perform both cutting and light grinding**
- Long life

METAL Ferrous metals (steel, cast iron, etc.)

A24 Turbo™ - High Performance

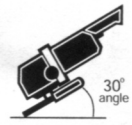
- Aluminum oxide grain
- For the pipeline industry
- **High performance cutting, notching and light grinding**
- Long life

METAL Ferrous metals (steel, cast iron, etc.)



Size			Max	Part Number		Qty	Qty	Lbs
A Dia.	B Width	C Bore	RPM	Pipeline	Turbo™	Per Box	Per Ctn	Per Box
3	1/8	3/8	18,000		-	25	100	2
4	1/8	3/8	13,500		-	25	100	4
4	1/8	5/8	13,500		-	25	100	4
4-1/2	1/8	7/8	13,300		23703	25	100	6
4-1/2	1/8	5/8-11	13,300			10	40	5
5	1/8	7/8	12,200		23705	25	100	7
5	1/8	5/8-11	12,200			10	40	5
6	1/8	7/8	10,200		23706	25	50	10
6	1/8	5/8-11	10,200			10	40	8
7	1/8	7/8	8,500		23707	25	50	15
7	1/8	5/8-11	8,500			10	40	10
9	1/8	7/8	6,600			25	50	25
9	1/8	5/8-11	6,600			10	40	13

5/8-11
Super-Lock™ Hub



Angle Grinder

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055).

* Part number 23715 does not use Super-Lock™ Hub.

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TYPE 27 Depressed Center Wheels

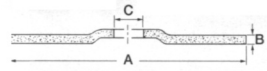
Cutting 1/8"

C24R - *Concrete*

- Silicon carbide grain
- **General purpose cutting, hard bond for long life**

CONCRETE Masonry, concrete, stone

METAL Cast iron and other ferrous metals



Size A Dia.	Size B Width	Size C Bore	Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
4	1/8	5/8	13,500		25	100	3
4-1/2	3/32	7/8	13,300	22025	25	100	5
4-1/2	3/32	5/8-11	13,300		10	40	7
5	1/8	5/8-11	12,200	22141	10	40	5
7	1/8	7/8	8,500	22050	25	100	14
7	1/8	5/8-11	8,500		10	40	9
9	1/8	7/8	6,600		25	50	22
9	1/8	5/8-11	6,600		10	40	12

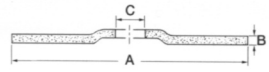
XA24Q - *Contaminant-Free*

- **Specially formulated for nuclear and food processing plants**
- **Free of iron, chlorine and sulphur compounds (Fe + Cl + S <0.1%)**

STAINLESS Stainless steel and other high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

contaminant cf free



Size A Dia.	Size B Width	Size C Bore	Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
4-1/2	1/8	7/8	13,300	24310	25	100	5
5	1/8	7/8	12,200	24315	25	100	5
6	1/8	7/8	10,200	24320	25	100	8
7	1/8	7/8	8,500	24325	25	50	13
9	1/8	7/8	6,600	24330	25	50	20

5/8-11
Super-Lock™ Hub

Angle Grinder

Tech INFO

- Special silicon carbide grain formula is excellent for cutting masonry, concrete, stone, and aggregate (C24R)
- All sizes reinforced with the highest quality fiberglass for maximum safety and performance
- **Our unique Super-Lock™ Hub combines both a mechanical locking system and chemical bond providing one of the safest, vibration-free designs in the industry**
- Specially formulated for contaminant-free stock removal on stainless steel (XA24Q)

Cutting .045" TYPE 1 Thin High Speed Cut-Off

THE ULTIMATE cut™

The Ultimate Cut™

- Best in class – cutting a wide range of **STAINLESS** thin & thick gauge, flat stock, bar stock, square tubing, etc.
- Exceptional cutting performance on **METAL** **ALUMINUM**

SaitZtech™

Z-Tech
High Performance

- Special zirconium grain formula
- **Fast, non-binding cutting**

METAL Ferrous metals

STAINLESS Stainless steel, high tensile alloys

Saitech .045™

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- Use with reusable 5/8-11 adaptor to fit angle grinders
- Combines **fast cutting with extremely long life**

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals

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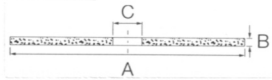
SAIT



Angle Grinder Circular Saw

Size			Max	Grades Available Part Numbers			Qty	Qty	Lbs
A Dia.	B Width	C Bore	RPM	Z-Tech™	Saitech™	Ult. Cut™	Per Box	Per Ctn	Per Box
4	.045	5/8	19,000			-	50	200	4
4-1/2	.045	7/8	13,300			22230	50	200	4
5	.045	7/8	12,200			22235	50	200	6
6	.045	5/8	10,200			-	50	200	8
6	.045	7/8	10,200			22240	50	200	8
7	.045	5/8	8,500			-	50	200	14

Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available (part #95055)

TYPE 27 High Performance Wheels

Cutting .045"

PATENTED!

SaitZtech™

Z-Tech
High Performance

- So unique it has a patent
- Thin .045 width
- Special zirconium grain
- Hard bond for extremely long life
- **Fast, burr-free cutting**

METAL Ferrous and/or non-ferrous metals (iron, steel, welds, etc.)

STAINLESS Stainless steel, high tensile alloys

Saitech .045™

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- So unique it has a patent
- Thin .045 width
- Fast cutting with long life

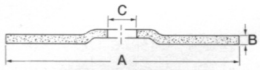
STAINLESS Stainless steel, high tensile alloys

METAL Ferrous metals (iron, steel, welds, etc.)

THE ULTIMATE CUT™

The Ultimate Cut™

- Best in class – cutting a wide range of **STAINLESS** thin & thick gauge, flat stock, bar stock, square tubing, etc.
- Exceptional cutting performance on **METAL** **ALUMINUM**



5/8-11 Hub

See pages 36-37 for Type 1 .045 wheels

Size A Dia.	Size B Width	Size C Bore	Max RPM	Grades Available Part Numbers Z-Tech™	Saitech™	Ult. Cut™	Qty Per Box	Qty Per Ctn	Lbs Per Box
4	.045	5/8	19,000			-	50	200	4
4-1/2	.045	7/8	13,300			22380	50	200	4
4-1/2	.045	5/8-11	13,300			23321	10	40	2
5	.045	7/8	12,200			22385	50	200	6
5	.045	5/8-11	12,200			23308	10	-	2
6	.045	7/8	10,200			22390	50	200	8
7	.045	7/8	8,500	23337		-	50	200	14

NEW!

NEW!

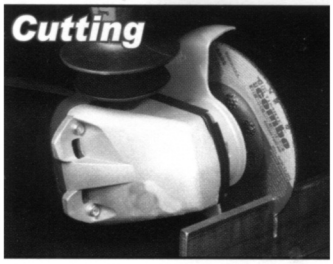
Angle Grinder

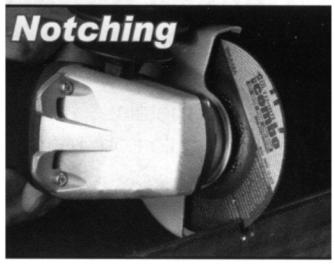
Note: Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8" available on page 153 (part #95055)

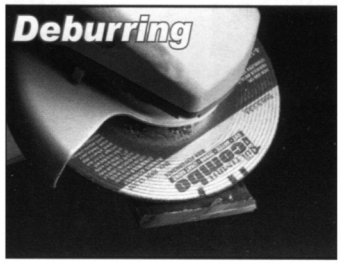
Combo .095" TYPE 27
Cut, Notch, Debur, & Light Grind

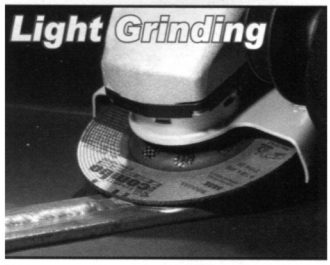
4 APPLICATIONS WITH JUST 1 WHEEL

Less Wheel Changes = Greater Productivity









4 in 1 THE ULTIMATE™ combo
CUT • NOTCH • DEBUR • LIGHT GRIND

A60S - *General Purpose* NEW!

- Aluminum oxide grain
- Provides consistent performance with **long life for cutting, notching, deburring, & light grinding**

METAL Ferrous metals (steel, angle iron, rebar)

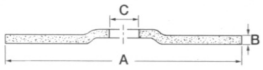
.095"
4 Applications 1 Wheel!

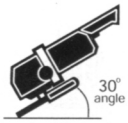
Z-Tech
High Performance NEW!

- Tough zirconium grain
- **High performance cutting, notching, deburring, and light grinding for the toughest applications**

METAL Ferrous metals (iron, steel, welds)

STAINLESS Stainless steel, high tensile alloys





Angle Grinder

Angle Grinder

Size			Max	Grades Available Part Numbers		Qty	Qty	Lbs
A Dia.	B Width	C Bore	RPM	A60S	Z-tech	Per Box	Per Ctn	Per Box
4-1/2	.095	7/8	13,300	22320	22330	25	100	3
4-1/2	.095	5/8-11	13,300	22420	22430	10	40	4
5	.095	7/8	12,200	22325	22335	25	100	4

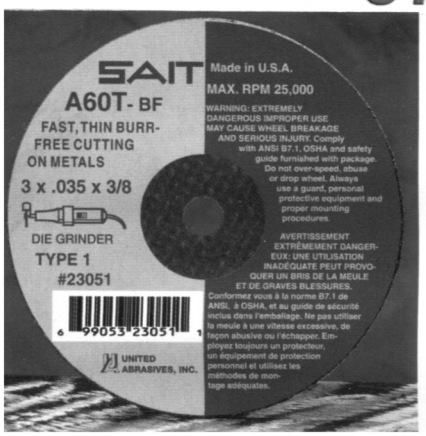
TYPE 1
Thin High Speed Cut-off Wheels

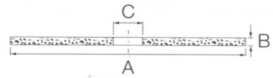
Cutting

Die Grinder

STAINLESS STEEL/METAL

CUTTING





Size A Dia.	B Width	C Bore	Max RPM	Grades Available Part Numbers A24R	A36T	A60S	A60T	Qty Per Box	Qty Per Ctn	Lbs Per Box
2	1/16	1/4	30,558				23005	50	50	1
2	1/16	3/8	30,558				23003	50	50	1
2	.035	1/4	30,558				23013	100	100	1
2	.035	3/8	30,558				23011	100	100	1
2-1/2	1/16	1/4	24,446				23023	50	50	2
2-1/2	1/16	3/8	24,446				23021	50	50	2
2-1/2	.035	1/4	24,446				23033	100	100	2
2-1/2	.035	3/8	24,446				23031	100	100	2
3	1/16	1/4	25,000				23043	50	50	3
3	1/16	3/8	25,000				23041	50	50	3
3	.035	1/4	25,000				23053	100	100	3
3	.035	3/8	25,000				23051	100	100	3
3	1/8	3/8	20,372				-	25	100	2
4	1/16	1/4	19,000				23068	50	50	5
4	1/16	3/8	19,000				23066	50	50	5
4	1/16	5/8	19,000				23062	50	50	5
4	.035	1/4	19,000				23072	100	100	5
4	.035	3/8	19,000				23070	100	100	5
4	.035	5/8	19,000				23064	100	100	5
4	.045	5/8	19,000				-	50	200	4
4	1/8	3/8	15.278				-	25	100	4

UNITED ABRASIVES, INC.

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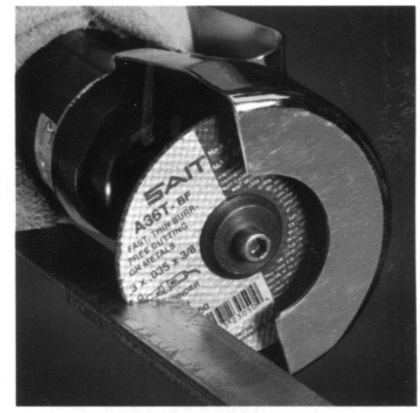
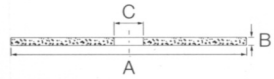




Size A Dia.	B Width	C Bore	Max RPM	Part Number	Qty Per Box	Qty Per Ctn	Lbs Per Box
3	1/16	1/4	25,000	23142	50	50	2
3	1/16	3/8	25,000	23140	50	50	2
3	.035	1/4	25,000	23152	100	100	3
3	.035	3/8	25,000	23150	100	100	3
4	1/16	1/4	19,000	23167	50	50	4
4	1/16	3/8	19,000	23165	50	50	4
4	1/16	5/8	19,000	23161	50	50	4
4	.035	1/4	19,000	23171	100	100	5
4	.035	3/8	19,000	23169	100	100	5
4	.035	5/8	19,000	23163	100	100	5

Saitech Ultimate Performance™

- High performance, ceramic aluminum oxide grain
- **Very uniform, high density grain structure is extremely durable and self sharpening for long life and cooler cut**
- **High Performance**
- Combines **fast cutting with extremely long life**

STAINLESS Stainless steel, high tensile alloys

METAL Ferrous and/or non-ferrous metals

TYPE 1
Chop Saw Wheels

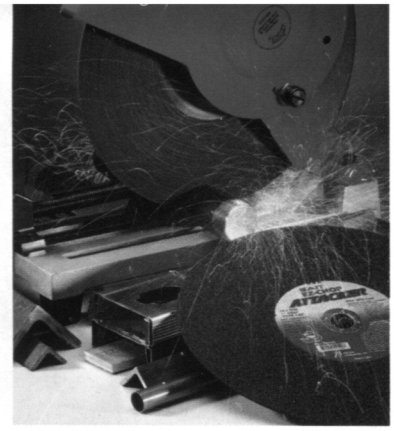
Cutting

SAIT EZ-Chop Attacker®

- Aluminum oxide grain
- General purpose economy cutting
- **Fast cutting on thin metals**

METAL Metal studding, thin rebar, light gauge and medium metals

Quick Tip
Use this wheel as an economical alternative for general purpose cutting.

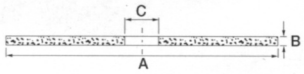


UNITED ABRASIVES, INC.
SAIT

SAIT EZ-Chop®

- Aluminum oxide grain
- General purpose cool cutting on thin metals
- **Burr-free finish**

METAL Metal studding, thin rebar, light gauge and heavy metals



Size				Part Numbers		Qty	Qty	Lbs
A Dia.	B Width	C Bore	Max RPM	EZ-Chop Attacker®	EZ-Chop®	Per Box	Per Ctn	Per Box
12	3/32	1	5,100	-	24034	10	50	11
14	3/32	1	4,400	24500	24039	10	20	16

Cutting Portable Saw TYPE 1
Portable Saw Cut-off Wheels

SAIT Pro - *Metal*
- Aluminum oxide grain
- **Best value for a fast cut**

METAL Ferrous metals

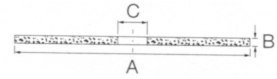
A24R - *General Purpose/Durability*
- Special aluminum oxide grain
- Provides consistent performance with **long life**

METAL Ferrous metals (steel, angle iron, rebar)

XFC™ - *Extremely Fast Cutting*
- Special aluminum oxide grain formula
- **Fast cutting action**
- Non-binding cutting formula

METAL Ferrous metals

STAINLESS Stainless steel, high tensile alloys



14" (20mm) with higher RPM rating for STIHL saws

Size A Dia.	Size B Width	Size C Bore	Max RPM	Grades Available Part Numbers A24R	SAIT Pro	XFC™	Qty Per Box	Qty Per Ctn	Lbs Per Box
12	1/8	1	6,300		23414		10	50	13
12	1/8	20mm	6,300		23421		10	50	14
14	1/8	1	5,400		24135		10	20	19
14	1/8	20mm	5,460		24140		10	20	24
16	1/8	1	4,800		-		10	20	30

CONCRETE CUTTING

SAIT Pro - *Concrete*
- Silicon carbide grain
- **Best value for a fast cut**

CONCRETE Stone, brick, soft aggregate, masonry, concrete

Size A Dia.	Size B Width	Size C Bore	Max RPM	Part Number C24R	Qty Per Box	Qty Per Ctn	Lbs Per Box
12	1/8	1	6,300	23418	10	50	12
12	1/8	20mm	6,300	23427	10	50	12
14	1/8	1	5,400	24122	10	20	16
14	1/8	20mm	5,460	24127	10	20	15

All 14" and 16" portable wheels now formulated for high powered saws

Metal-Cutting Carbide Blades

STAINLESS

Cool cutting action with long life and minimal distortion

Fast, burr free cutting on:

- Tubing, bars, pipe, and stainless steel plate

STAINLESS	Diameter	Teeth	Grind	Arbor	RPM	Machine
77938	7 178mm	48	TCG	20mm	5,800	
77933	7-1/4 184mm	48	TCG	5/8 16mm Diamond	5,800	
77977	14 356mm	90	MTCG	1 26mm	1,800	*

*Low RPM Metal Cutting Saw

UNITED ABRASIVES, INC.
SAIT

ALUMINUM

Cool cutting action with long life and minimal melting of aluminum

Fast, burr free cutting on:

- Aluminum, other non-ferrous metals and pipe

ALUMINUM	Diameter	Teeth	Grind	Arbor	RPM	Machine
77917	5-3/8 137mm	50	ATB	20mm (10mm & 5/8" Bushing)	4,200	
77922	6-1/2 165mm	60	ATB	5/8 16mm	5,800	
77937	7 178mm	54	ATB	20mm	5,800	
77932	7-1/4 184mm	60	ATB	5/8 16mm Diamond	5,800	
77942	8 203mm	60	TCG	5/8 16mm Diamond	5,800	
77955	10 254mm	80	TCG	5/8 16mm	5,200	*
77966	12 305mm	80	TCG	1 26mm	2,000	*
77976	14 356mm	80	ATB	1 26mm	1,800	*

*Low RPM Metal Cutting Saw

Long Life | Cool Cutting | Fast, Burr-Free Cutting

NOTE

- Blades must be run in the direction of the arrow as indicated on the blade.

Metal-Cutting Carbide Blades

STEEL WORKER®

Thin Metal Xtra TMX

Cool cutting action with long life

Fast, burr free cutting on:

- Angle Iron
- Rebar
- Steel Plate
- Channel Iron
- Pipe
- Threaded Rod
- C-Channel
- And other ferrous metals

Fast, burr free cutting on:

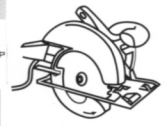
- Thin Metals
- Metal Studs
- Duct Work
- Sheet Metals
- Galvanized Roofing
- Thin Walled Pipe
- Conduit
- Strut Channel

STEEL WORKER®	Diameter	Teeth	Grind	Arbor	RPM	Machine
77915	5-3/8 137mm	30	MTCG	20mm (10mm & 5/8" Bushing)	4,200	
77920	6-1/2 165mm	40	TCG	5/8 16mm	5,800	
77936	7 178mm	36	TCG	20mm	5,800	
77930	7-1/4 184mm	40	MTCG	5/8 16mm Diamond	5,800	
77940	8 203mm	42	MTCG	5/8 16mm Diamond	5,800	
77947	9 229mm	48	TCG	1 26mm	3,200	
77953	10 254mm	52	TCG	5/8 16mm	5,200	*
77962	12 305mm	60	TCG	1 26mm	2,000	*
77972	14 356mm	72	MTCG	1 26mm	1,800	*

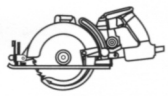
*Low RPM Metal Cutting Saw

TMX	Diameter	Teeth	Grind	Arbor	RPM	Machine
77921	6-1/2 165mm	48	ATB	5/8 16mm	5,800	
77931	7-1/4 184mm	68	ATB	5/8 16mm Diamond	5,800	
77965	12 305mm	80	MTCG	1 26mm	2,000	*
77975	14 356mm	90	MTCG	1 26mm	1,800	*

*Low RPM Metal Cutting Saw


Circular Saw

Metal-Cutting Circular Saw


Worm Drive Saw

Low RPM Metal-Cutting Saw

UNITED ABRASIVES, INC.
SAIT

BENCH WHEELS

Bench Grinder

VITRIFIED

VITRIFIED

A

- Aluminum oxide grain
- General purpose
- For sharpening tools and light stock removal

METAL Ferrous metals (carbon steel, steel, iron, forgings, etc.)

GC

- Green silicon carbide grain
- Extremely sharp grain for faster, burr-free cutting
- Use on carbide tipped tools, cast iron

METAL Ferrous and/or non-ferrous metals

Aluminum Oxide

Size A Dia.	Size B Width	Size C Bore	Max RPM	Grades Available Part Numbers A24	A36	A46	A60	A80	Lbs Per Box
6	1/2	1	4,138	-	28003	-	28004	28005	1-1/2
6	3/4	1	4,138	-	28000	-	28001	28002	2
6	1	1	4,138	-	28006	-	28007	28008	2-1/2
7	3/4	1	3,600	-	28010	-	28011	28012	2-1/2
7	1	1	3,600	-	28013	-	28014	28015	3-1/2
8	3/4	1	3,600	-	28020	-	28021	28022	3-1/2
8	1	1	3,600	-	28023	-	28024	28025	4-1/2
10	1	1-1/4	2,483	-	28040	28043	28041	28042	7
10	1-1/2	1-1/4	2,483	-	28050	28053	28051	28052	10
12	2	1-1/2	2,069	28060	28063	28061	28062	-	19-1/2
14	2	1-1/2	1,773	28070	28073	28071	28072	-	28

Reduction bushings enclosed with each wheel

Wheel Size	Bushings
6"	3/4, 5/8, 1/2
7"	3/4, 5/8, 1/2
8"	3/4, 5/8
10"	1, 3/4
12"	1-1/4, 1
14"	1-1/4, 1

Green Silicon Carbide

Size A Dia.	Size B Width	Size C Bore	Max RPM	Grades Available Part Numbers GC60	GC80	GC120	Lbs Per Box
6	3/4	1	4,138	28100	28101	28102	1-1/2
6	1	1	4,138	28103	28104	28105	2
7	1	1	3,600	28113	28114	28115	2-1/2
8	1	1	3,600	28123	28124	28125	3-1/2
10	1	1-1/4	2,483	28140	28141	28142	6-1/2
12	2	1-1/2	2,069	28160	28161	28162	19-1/2
14	2	1-1/2	1,773	28170	28171	-	28

UNITED ABRASIVES, INC.
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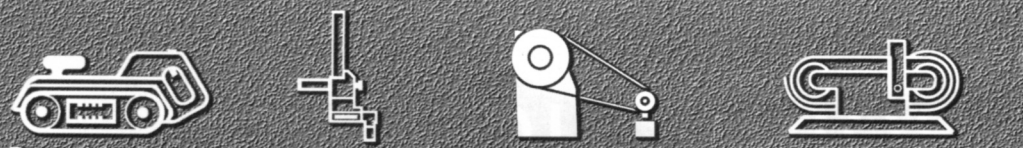
Safety Glasses
Everyday Use
JAZZ™ JS401
by DEGIL™ "Better"
see page 733

BELTS



ALUMINUM OXIDE CLOTH

Size	Grit	1AX/2AX Quick Ship™ Part No.
1/4 x 24	36	60030
	40	60031
	50	60032
	60	60033
	80	60034
	100	60035
	120	60036
1/2 x 24	36	60086
	40	60087
	50	60088
	60	60089
	80	60090
	100	60091
	120	60092
3/4 x 20-1/2	36	60128
	40	60129
	50	60130
	60	60131
	80	60132
	100	60133
	120	60134

Size	Grit	LA-X SAIT-Saver™ Part No.
3 x 21	24	
	36	
	40	55342
	50	55343
	60	55344
	80	55345
	100	55346
	120	55347
	150	
	180	
	220	
	240	
	320	
3 x 24	24	
	36	
	40	55352
	50	55353
	60	55354
	80	55355
	100	55356
	120	55357
	150	
	180	
	220	
	240	
	320	
4 x 24	24	
	36	
	40	55362
	50	55363
	60	55364
	80	55365
	100	55366
	120	55367
	150	
	180	
	220	
	240	
	320	
6 x 48	24	
	36	
	40	60683
	50	60684
	60	60685
	80	60686
	100	60687
	120	60688
	150	
	180	
	220	
	240	
	320	

UNITED ABRASIVES, INC.

SAIT

CUSTOM BELTS (MADE-TO-ORDER)

1A-X/2A-X: Aluminum oxide, closed coat, X weight cotton. For general purpose sanding, grinding and finishing of ferrous and non-ferrous metals, wood, cast iron, ordinary and alloyed steels and stainless steel.

LA-X (SAIT-Saver™): Economy Aluminum oxide, closed coat, X-weight cotton. For low cost sanding and finishing of ordinary and alloyed steels, ferrous and non-ferrous metals, cast iron, and wood. A good choice where price and best value is the determining factor.

Aluminum Oxide FIBER DISCS

Angle Grinder

COATED ABRASIVES

GENERAL PURPOSE

Innovative Bulk Packaging
Fiber Spindle Keeps Discs Flat in Storage

2A

- Aluminum oxide grain
- **General purpose**
- Closed coat structure for more material removal and better finishing

METAL Ferrous and/or non-ferrous metals

WOOD Wood

3A

- Premium aluminum oxide grain with grinding aid
- **Special aluminum oxide grain to reduce heat build up and reduce loading**
- Closed coat structure for more material removal and better finishing

STAINLESS Stainless steel, high tensile steel, titanium, aluminum

METAL Ferrous metals

Size	Grit	Bulk (100 pcs.) Part No. 2A	Bulk (100 pcs.) Part No. 3A	Blue Line™ Part No. 2A	Blue Line™ Part No. 3A	Pk Per Box
4 x 5/8	24		-	50000	-	20
	36		-	50001	-	20
	50		-	50002	-	25
	60		-	50003	-	25
	80		-	50004	-	25
	100		-	50005	-	25
	120			50006	-	25
4-1/2 x 7/8	16		-	50008	-	20
	24		-	50010	-	20
	36			50011		20
	50			50012		25
	60			50013		25
	80			50014		25
	100			50015		25
	120			50016		25
5 x 7/8	16		-	50018	-	20
	24		-	50020	-	20
	36			50021		20
	50			50022		25
	60			50023		25
	80			50024		25
	100			50025		25
	120			50026		25
7 x 7/8	16		-	50030	-	20
	24		-	50031	-	20
	36			50032		20
	50			50033		25
	60			50034		25
	80			50035		25
	100			50036		25
	120			50037		25
9-1/8 x 7/8	16		-		-	20
	24		-		-	20
	36		-		-	20
	50		-		-	25
	60		-		-	25
	80		-		-	25
	100		-		-	25
	120		-		-	25

UNITED ABRASIVES, INC.
SAIT

Half Mask Respirators Elastomeric Construction by DEGIL™
see page 737

Heavy Duty LAMINATED AND MINI FLAP DISCS

Portable Grinder

Triple laminated construction for severe pressure applications where conventional laminated discs have too much flex. Excellent for edge grinding, deburring, and weld preparation and removal.

2A-H

- Aluminum oxide grain
- **Fast stock removal**
- Excellent edge grain retention

METAL Ferrous and/or non-ferrous metals

WOOD Wood, plastic, fiberglass, etc.

Z-H

- High performance Zirconium grain
- **Extremely fast stock removal and long life**

METAL Ferrous and/or non-ferrous metals

STAINLESS Stainless steel, high tensile alloys

SAIT-LOK™

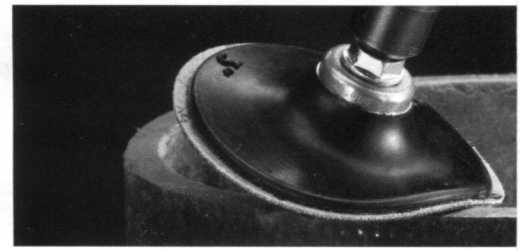
Improved nylon composite won't bend or break during aggressive applications. Uses the same backing pad as conventional laminated discs.

SAIT-LOK-R™

Nylon screw threaded hub for easy mounting to the backing pad

Size	Grit	SAIT-LOK™ Part No. 2A-H	SAIT-LOK™ Part No. Z-H	SAIT-LOK-R™ Part No. 2A-H	SAIT-LOK-R™ Part No. Z-H	Qty Per Box
2"	24			50320	55450	100
	36			50321	55451	100
	50			50322	55452	100
	60			50323	55453	100
	80			50324	55454	100
3"	24			50330	55460	50
	36			50331	55461	50
	50			50332	55462	50
	60			50333	55463	50
	80			50334	55464	50

Heavy Duty Discs
Stiffer construction assures fast grinding performance
Very durable edge performance & long life



Conventional Discs

SAIT ENCORE

Mini Flap Discs

- Long life performance of a flap disc for use in confined spaces
- More material, longer life than a single layer laminated disc
- SAIT-LOK-R™ thread allows easy changeover between sanding discs, surface conditioning discs and buffing discs

Packaging
10/box

Size	Grit	SAIT-LOK-R™ Part No. Mini Encore
2" Zirconium	40	74820
	60	74822
	80	74823
	120	74825
3" Zirconium	40	74830
	60	74832
	80	74833
	120	74835

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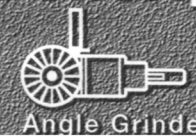
SAIT

FLAP DISCS OVATION®

High Density



OVATION® ATTACKER® Plus+

(High Density on Fiberglass Backing Plate)

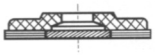
- Long life
- Premium zirconium grain on a durable polyester-cotton backing provides a fast cut and long life
- Will not contaminate stainless steel

METAL	Ferrous and/or non-ferrous metals
STAINLESS	Stainless steel, high tensile steel, titanium
ALUMINUM	Non-ferrous metals (aluminum, copper, brass, etc.)

contaminant cf free

Fe+S+Cl FREE (<.1%)

5/8-11 Hub



flat shape (type 27)

Size Dia.	Size Arbor	Grit	Part No. Ovation® Attacker® Plus+
4-1/2	7/8	36	78240
4-1/2	7/8	40	78241
4-1/2	7/8	60	78242
4-1/2	7/8	80	78243
4-1/2	5/8-11	36	78300
4-1/2	5/8-11	40	78301
4-1/2	5/8-11	60	78302
4-1/2	5/8-11	80	78303
5	7/8	36	78247
5	7/8	40	78248
5	7/8	60	78249
5	7/8	80	78250
5	5/8-11	36	78307
5	5/8-11	40	78308
5	5/8-11	60	78309
5	5/8-11	80	78310

Packaging
10/box
40/ctn

APPLICATIONS:

- **Weld grinding and blending**
- **Deburring**
- **Finishing and blending**
- **Contour finishing**

Sand-Light™ Flap Discs

- Non-woven material – layered flaps create a thick, cushioned design which provides a nice finish
- Designed for surface preparation, cleaning, and finishing applications

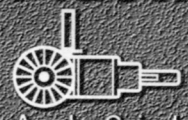
METAL	Ferrous metals
STAINLESS	Stainless steel, high tensile steel
ALUMINUM	Non-ferrous metals

Size	Grade	Color	Part No.	Qty Per Box
4-1/2" x 7/8"	Coarse	Brown	71980	5
	Medium	Maroon	71982	5
	Very Fine	Blue	71984	5
5" x 7/8"	Coarse	Brown	71990	5
	Medium	Maroon	71992	5
	Very Fine	Blue	71994	5

RPM's

4-1/2"	13,300
5"	12,200

Plastic Backing FLAP DISCS

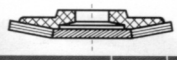


NEW!

Available Spring 2014

Available with 5/8-11 Super-Lock™ Hub!

TrimBack



conical shape (type 29)

(Regular Density on Plastic Backing Plate)

- Specially designed trimmable ABS plastic – allows you to **easily trim away** the back of the disc to expose more abrasive material
- Premium zirconium grain on a durable polyester-cotton backing for **long life** on **STAINLESS** **METAL** **ALUMINUM**
- **Unique 5/8-11 Hub Design** built for **Safety** & **Ease of Use**:
  - No machine flanges required
  - Heat & strip resistant metal threads

Mat'l	Size Dia.	Size Arbor	Grit	TrimBack Type 29 Part No.
Z Premium Zirconium	4-1/2	7/8	36	70800
	4-1/2	7/8	40	70801
	4-1/2	7/8	60	70802
	4-1/2	7/8	80	70803
	4-1/2	5/8-11	36	70910
	4-1/2	5/8-11	40	70911
	4-1/2	5/8-11	60	70912
	4-1/2	5/8-11	80	70913
	5	7/8	36	70807
	5	7/8	40	70808
	5	7/8	60	70809
	5	7/8	80	70810
	5	5/8-11	36	70917
	5	5/8-11	40	70918
	5	5/8-11	60	70919
	5	5/8-11	80	70920

APPLICATIONS:
Weld grinding and blending, deburring, contour finishing

5/8-11 Super-Lock™ Hub

RPM's
4-1/2" 13,300
5" 12,200

PLASTIC BACKING

Small Diameter FLAP WHEELS

METAL Ferrous and/or non-ferrous metals (iron, steel, aluminum, copper, etc.)

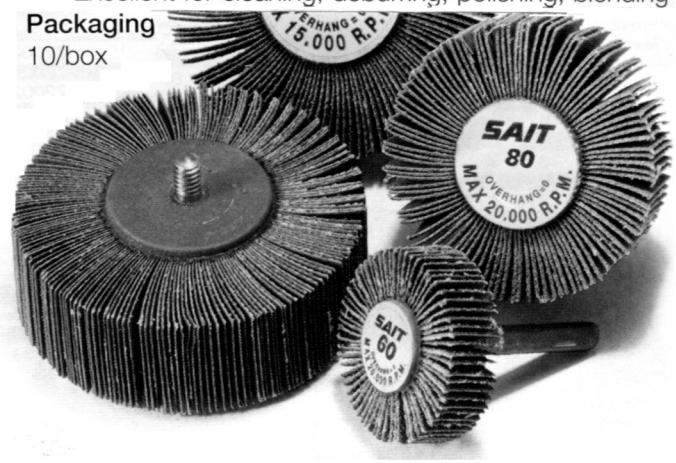
WOOD Wood, plastic, fiberglass, etc.

Mat'l	Size Dia.	Size Width	Grit	Part Number 1/4	Part Number 1/4-20 Threaded
2A General purpose aluminum oxide	1	1	60	70010	
	1	1	80	70011	
	1	1	120	70012	
	1	1	180	70013	
	1	1	240	70014	
	2	1	40	70049	
	2	1	60	70050	
	2	1	80	70051	
	2	1	120	70052	
	2	1	180	70053	
	2	1	240	70054	
	3	1	40	70099	
	3	1	60	70100	
	3	1	80	70101	
	3	1	120	70102	
	3	1	180	70103	
	3	1	240	70104	

Aluminum Oxide 2A

- Premium aluminum oxide grain
- **General purpose**
- Excellent for cleaning, deburring, polishing, blending

Packaging
10/box



SHOP ROLLS Handy & Industrial

Rolls

Handy Rolls - DA-F

- Aluminum oxide grain
- High quality DA-F material for high flexibility
- Medium tensile strength
- **Primarily for hand applications**

METAL Ferrous and/or non-ferrous materials (iron, aluminum, copper, normal and high tensile steel)

WOOD Wood, fiberglass, etc.

DA-F Handy Rolls

Size Width	Grit	Part No.
1"	40	80405
	50	80505
	60	80605
	80	80805
	100	81005
	120	81205
	150	81505
	180	81805
	220	82205
	240	82405
	320	83205
	400	83405
1-1/2"	40	80406
	50	80506
	60	80606
	80	80806
	100	81006
	120	81206
	150	81506
	180	81806
	220	82206
	240	82406
	320	83206
	400	83406
2"	40	80420
	50	80520
	60	80620
	80	80820
	100	81020
	120	81220
	150	81520
	180	81820
	220	82220
	240	82420
	320	83220
	400	83420

SHEETS Ultimate Performance

Hand Sanding

Size	Grit	DA-F Part No.	Std Pkg.
9 x 11	36	84907	25
	40	84908	25
	50	84909	25
	60	84910	25
	80	84911	25
	100	84912	50
	120	84913	50
	150	84914	50
	180	84915	50
	220	84916	50
	240	84917	50
	320	84918	50
	400	-	50

Aluminum Oxide (DA-F)

- Aluminum oxide grain on a flexible cloth backing
- Open coat structure prevents loading
- Water resistant
- Long life combined with excellent stock removal
- **Excellent for woodworking applications**

WOOD Wood, plastic, fiberglass

METAL Ferrous and/or non-ferrous materials (iron, steel, copper, etc.)

- Available in F-weight - high flexibility

NON-WOVEN Hand Pads

Hand Sander

Brown
- Heavy duty
- **Excellent for removing heavy rust and cleaning welds**

METAL Ferrous and/or non-ferrous metals

Maroon
- General purpose
- For removing light rust
- **Excellent for cleaning and brightening**

METAL Ferrous and/or non-ferrous metals

Black
- For blending and finishing
- **Excellent for paint removal**

STAINLESS Stainless steel

METAL Ferrous and/or non-ferrous metals

Green
- General cleaning
- **Excellent for stripping paint and varnish**

METAL Ferrous and/or non-ferrous metals

WOOD Paint, varnish

Gray
- Ultra fine
- For light finishing
- **Excellent for sanding before/between finish coats**

METAL Non-ferrous metals

WOOD Wood

White
- Light duty
- **For light cleaning and polishing**

WOOD Fiberglass, vinyl, plastic

CONCRETE Ceramic

UNITED ABRASIVES, INC.
SAIT

NON-WOVEN

NON-WOVEN ABRASIVES

Size	Grade	Color	Part Nos.	Pads Per Box
6 x 9	Heavy Duty	Brown	77440	20
	General Purpose	Maroon	77447	20
	Stainless	Black	77446	20
	Stripper	Green	77496	20
	Ultra Fine	Gray	77448	20
	Light Duty	White	77486	20

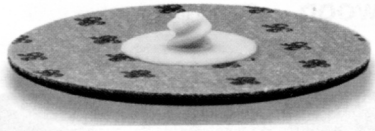
NON-WOVEN Deburring & Cleaning Discs

Portable Grinder

SAIT-LOK™

All-metal attachment on disc ensures a secure fit to the backing pad

SAIT-LOK-R™



Nylon screw threaded hub for easy mounting to the backing pad

Size	Grade	Color	SAIT-LOK™ Part No.	SAIT-LOK-R™ Part No.	Qty Per Box
1-1/2"	Coarse	Brown		77300	50
	Medium	Maroon		77302	50
	Very Fine	Blue		77303	50
2"	Coarse	Brown		77306	50
	Medium	Maroon		77308	50
	Very Fine	Blue		77309	50
3"	Coarse	Brown		77312	25
	Medium	Maroon		77314	25
	Very Fine	Blue		77315	25
4"	Coarse	Brown	-	77318	25
	Medium	Maroon	-	77320	25
	Very Fine	Blue	-	77321	25

Brown

- **Heavy duty**
- Excellent for heavy deburring, removing weld spatter and blending tool / mill marks, rust removal

STAINLESS Stainless steel
METAL Ferrous and/or non-ferrous materials
WOOD Fiberglass, gaskets

Maroon

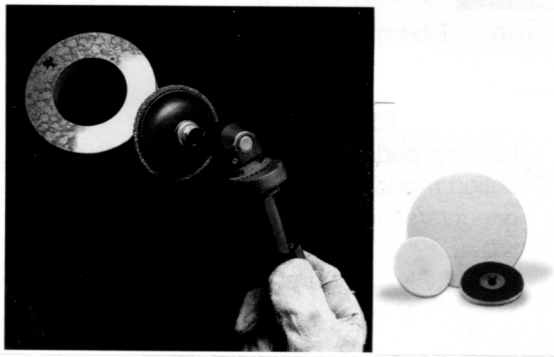
- **General purpose**
- Excellent for light deburring, blending scratch patterns, removing coatings/adhesives

STAINLESS Stainless steel
METAL Ferrous and/or non-ferrous materials
WOOD Fiberglass, gaskets

Blue

- **Very fine**
- Excellent for cosmetic grain finishing, polishing welds, and reducing grinding marks

STAINLESS Stainless steel
METAL Ferrous and/or non-ferrous materials
WOOD Fiberglass, gaskets



UNITED ABRASIVES, INC.
SAIT

NON-WOVEN Interleaf & Flap Wheels

Die Grinder

Interleaf Wheels

Medium Grade

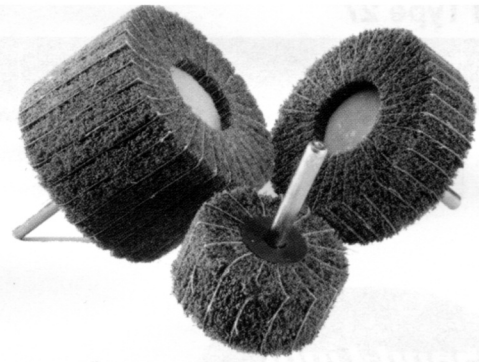
- Medium surface conditioning material with either 60 or 80 grit coated abrasive material
- **Excellent for removing heavy oxidation, blending, cleaning, and deburring**

ALUMINUM	Aluminum
STAINLESS	Stainless steel
METAL	Ferrous and non-ferrous materials
WOOD	Fiberglass

Very Fine Grade

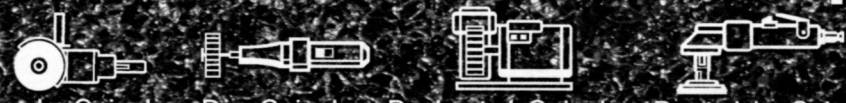
- Very fine surface conditioning material with either 120 or 180 grit coated abrasive material
- **Excellent for grain finishing, satin finishing, and linear scratch patterns**

ALUMINUM	Aluminum
STAINLESS	Stainless steel
METAL	Ferrous and non-ferrous materials
WOOD	Fiberglass



Size	Grit	Grade	Max RPM	Part No.	Qty Per Box
NEW! 1 x 1 x 1/4	60	Medium	20,000	77700	10
	80	Medium	20,000	77702	10
	120	Very Fine	20,000	77704	10
	180	Very Fine	20,000	77706	10
2 x 1 x 1/4	60	Medium	15,000	77710	10
	80	Medium	15,000	77712	10
	120	Very Fine	15,000	77714	10
	180	Very Fine	15,000	77716	10
3 x 1 x 1/4	60	Medium	8,600	77730	10
	80	Medium	8,600	77732	10
	120	Very Fine	8,600	77734	10
	180	Very Fine	8,600	77736	10
3 x 2 x 1/4	60	Medium	8,600	77750	5
	80	Medium	8,600	77752	5
	120	Very Fine	8,600	77754	5
	180	Very Fine	8,600	77756	5

NON-WOVEN Sait-Strip™

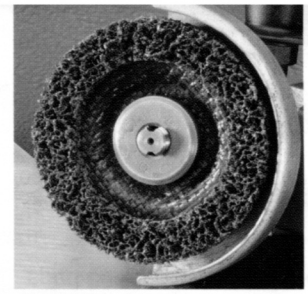


Angle Grinder Die Grinder Pedestal Grinder Portable Grinder

SAIT-Strip™

- Fast, safe removal of surface contaminants
- Available in SAIT-LOK™, SAIT-LOK-R™, Type 27, and spindle mounted wheels
- Excellent for cleaning welds, removing corrosion, rust, scaling, and blending
- Great for removing paints, varnishes and sealants from difficult to reach surfaces

METAL	Ferrous and/or non-ferrous metals
STAINLESS	Stainless steel, high tensile steel



SAIT-Strip™ Type 27

Size			Max	Part	Qty Per
Dia.	Width	Bore	RPM	Number	Box
4-1/2	1/2	7/8	10,000	77230	4

BRUSHES

Bench/Large Cup

Bench Wire Wheels

- Dense, compact crimped steel wire brush face
- **May be stacked to achieve wider work face**
- Primary application: For general scale removal, cleaning and surface preparation
- Standard 2" arbor, with adaptor to listed arbor
- Includes bushing pairs to adapt to variety of arbors

Additional arbors available

Part No.	Size
95201	2 x 1/2
95203	2 x 5/8
95204	2 x 3/4
95206	2 x 1
95207	2 x 1-1/4

**** not available for part number 09558 and 09555

Size			Face	Trim	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor	Width	Length	RPM	Part No.	Std Pkg	Part No.
6	.014	5/8, 1/2	Wide	1-1/16"	6,000			
6	.014	5/8, 1/2	Narrow	1-3/16"	6,000	09558****	1	06558
6	.008	5/8, 1/2	Narrow	1-1/16"	6,000			
7	.014	5/8	Wide	1-9/16"	6,000	09559	1	06559
8	.014	5/8	Wide	1-1/2"	4,000	01411	1	06556
10	.014	3/4	Wide	2"	3,600			-

Note: Wide 1"
Narrow 1/2"

Packaging
Standard industrial packaging or Blue Line™ point of sale display packaging

Large Cup Brushes

- Available in the following wire types:
  - Knot wire for low to medium flexibility and aggressive cutting action
  - Crimped wire which has higher flexibility for light cleaning and removal, especially on irregular surfaces
- Primary application: **For fast cleaning of large surfaces**

Knot Wire - nut inside

Size				Trim	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor	Rows	Length	RPM	Part No.	Std Pkg	Part No.
4	.020	5/8-11	1	1-3/8"	9,000	03407**	1	
4	.020	5/8-11	1	Stainless*	9,000			
6	.020	5/8-11	1	1-3/4"	6,600			
6	.035	5/8-11	1	1-3/4"	6,600			
6	.020	5/8-11	2	1-3/4"	6,000			
6	.035	5/8-11	2	1-3/4"	6,000			
6	.020	5/8-11	1	Stainless*	6,600			-

Packaging
Standard industrial packaging or Blue Line™ point of sale display packaging

* 302 stainless steel wire used
** nut on outside
***nut on outside in Canada only

Small Cup BRUSHES

Angle Grinder

Size			Wire	Matl	Max	INDUSTRIAL	
Dia.	Wire	Arbor	Style	Type	RPM	Part No.	Std Pkg
2-3/4	.014	5/8-11	Knot	Carbon	14,000	03414	6
2-3/4	.014	M14 x 2.0	Knot	Carbon	14,000		6
2-3/4	.014	M10 x 1.25	Knot	Carbon	14,000		6
2-3/4	.014	M10 x 1.5	Knot	Carbon	14,000		6
2-3/4	.014	1/2-13	Knot	Carbon	14,000		6
2-3/4	.020	5/8-11	Knot	Carbon	14,000	03501	6
2-3/4	.020	M14 x 2.0	Knot	Carbon	14,000		6
2-3/4	.020	M10 x 1.25	Knot	Carbon	14,000		6
2-3/4	.020	M10 x 1.5	Knot	Carbon	14,000		6
2-3/4	.020	1/2-13	Knot	Carbon	14,000		6
2-3/4	.014	5/8-11	Knot	Stainless*	14,000	03419	6
2-3/4	.014	M14 x 2.0	Knot	Stainless*	14,000		6
2-3/4	.014	M10 x 1.25	Knot	Stainless*	14,000		6
2-3/4	.014	1/2-13	Knot	Stainless*	14,000		6
2-3/4	.020	5/8-11	Knot	Stainless*	14,000	03506	6
2-3/4	.020	M14 x 2.0	Knot	Stainless*	14,000		6
2-3/4	.020	M10 x 1.25	Knot	Stainless*	14,000		6
2-3/4	.020	M10 x 1.5	Knot	Stainless*	14,000		6
2-3/4	.020	1/2-13	Knot	Stainless*	14,000		6
2-3/4	.014	5/8-11	Crimped	Carbon	14,000	01401	6
2-3/4	.014	M14 x 2.0	Crimped	Carbon	14,000		6
2-3/4	.014	M10 x 1.25	Crimped	Carbon	14,000		6
2-3/4	.014	M10 x 1.5	Crimped	Carbon	14,000		6
2-3/4	.014	1/2-13	Crimped	Carbon	14,000		6
2-3/4	.014	5/8-11	Crimped	Stainless*	14,000		6
3-1/2	.020	5/8-11	Knot	Carbon	12,500		1
3-1/2	.020	5/8-11	Knot	Stainless*	12,500		1
3-1/2	.014	5/8-11	Crimped	Carbon	12,500		1
3-1/2	.014	5/8-11	Crimped	Stainless*	12,500		1

BRUSHES

WIRE BRUSHES

UNITED ABRASIVES, INC.
SAIT

Small Cup Brushes

- **For use on small grinders**
- Available in the following wire types:
  - Knot wire for low to medium flexibility and aggressive cutting action
  - Crimped carbon steel wire for light cleaning and where greater flexibility is required
  - Stainless steel knot wire for use on stainless, aluminum, and high strength alloys
- Variety of threaded arbors available

Packaging
Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used

Safety Glasses
Spider Style
X10, by DEGIL™
see page 733

BRUSHES

Wire Wheels

Angle Grinder

Knot & Crimped Wire Wheels

- For use on small grinders
- Available in the following wire types:
  - Regular twist covers more surface area in a single pass
  - Stringer bead twist is excellent for welds, flux removal and where a narrow work face is required
  - Crimped carbon steel wire provides flexibility and a wider work face than knot style
  - Stainless steel wire for use on stainless, aluminum, and high strength alloys
- Variety of threaded arbors available

Packaging
Standard industrial packaging or Blue Line™ point of sale display packaging

UNITED ABRASIVES, INC.
SAIT

Regular Twist

Size			Matl	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor	Type	RPM	Part No.	Std Pkg	Part No.
4	.014	5/8-11	Carbon	20,000	03426	6	
4	.014	M14 x 2.0	Carbon	20,000		6	
4	.014	M10 x 1.25	Carbon	20,000		6	
4	.014	M10 x 1.5	Carbon	20,000		6	
4	.014	1/2-13	Carbon	20,000		6	
4	.020	5/8-11	Carbon	20,000		6	
4	.014	5/8-11	Stainless*	20,000	03431	6	
4	.014	M14 x 2.0	Stainless*	20,000		6	
4	.014	M10 x 1.25	Stainless*	20,000		6	
4	.014	M10 x 1.5	Stainless*	20,000		6	
4	.020	5/8-11	Stainless*	20,000		6	
6	.025	5/8-11	Carbon	9,000		3	

Stringer Bead / Pipeline

4	.020	5/8-11	Carbon	20,000	03440	6
4	.020	M14 x 2.0	Carbon	20,000		6
4	.020	M10 x 1.25	Carbon	20,000		6
4	.020	1/2-13	Carbon	20,000		6
4	.020	5/8-11	Stainless*	20,000	03445	6
4	.020	M10 x 1.25	Stainless*	20,000		6
4	.020	1/2-13	Stainless*	20,000		6
5	.020	5/8-11	SB-Carbon	12,000	03380	6
5	.020	M14 x 2.0	SB-Carbon	12,000		6
5	.020	5/8-11	SB-Stainless*	12,000		6
6	.020	5/8-11	SB-Stainless*	12,000		6
6	.020	5/8-11	SB-Carbon	12,000		6
6-1/2	020	5/8-11	SB-Stainless*	9,000		6
6-1/2	020	5/8-11	SB-Carbon	9,000		6

Crimped

4	.014	5/8-11	Carbon	12,500	03450	6
4	.014	M14 x 2.0	Carbon	12,500		6
4	.014	M10 x 1.25	Carbon	12,500		6
4	.014	1/2-13	Carbon	12,500		6

Face Protection Headgear Economically priced by DEGIL™
see page 736

Knot Wire Wheels

- Can be used on portable power tools
- Available in the following wire types:
  - Knot wire for low to medium flexibility and aggressive cutting action
  - Stainless steel wire for use on stainless, aluminum, and high strength alloys
- Primary application: **Cleaning, deburring, and scale removal**

Size			Matl	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor	Type	RPM	Part No.	Std Pkg	Part No.
3	.014	3/8	Carbon	25,000		4	
3	.014	1/2, 3/8	Stainless*	25,000		4	
4	.014	1/2	Carbon	20,000		4	
5	.020	5/8-11	Carbon	12,000	03373	1	
5	.020	5/8-11	Stainless*	12,000		1	
6	.020	5/8, 1/2	Carbon	9,000		1	
6	.020	5/8-11	Carbon	9,000		1	
6	.016	5/8, 1/2	Stainless*	9,000		1	

Packaging
Standard industrial packaging or Blue Line™ point of sale display packaging

*302 stainless steel wire used

BRUSHES

WIRE BRUSHES

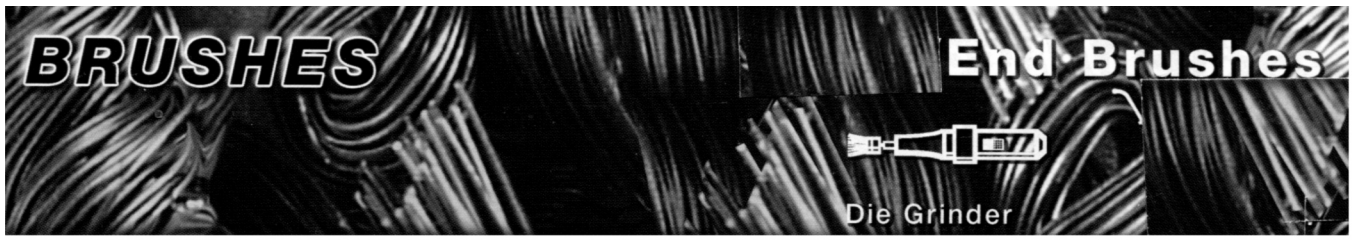
UNITED ABRASIVES, INC.

SAIT

Pipeline Brushes

- **Excellent for use in the pipeline industry**
- Available in the following wire types:
  - Knot wire provides aggressive action in the removal of bead scale, weld flash, or splatter
  - Regular twist and stringer bead twist for higher impact action
  - Stainless steel wire available in stringer bead twist for use on stainless, aluminum, and high strength alloys
- Primary application: Cleaning, deburring, and scale removal

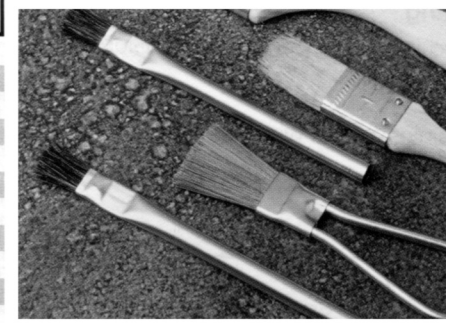
Size			Matl	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Arbor	Type	RPM	Part No.	Std Pkg	Part No.
4	.020	5/8-11	Carbon	20,000		6	
4	.020	M14 x 2.0	Carbon	20,000		6	
4	.020	M10 x 1.25	Carbon	20,000		6	
4	.020	1/2-13	Carbon	20,000		6	
4	.020	5/8-11	Stainless*	20,000		6	
4	.020	M10 x 1.25	Stainless*	20,000		6	
4	.020	1/2-13	Stainless*	20,000		6	
5	.020	5/8-11	SB-Carbon	12,000		6	
5	.020	M14 x 2.0	Carbon	12,000		6	
5	.020	5/8-11	SB-Stainless*	12,000		6	
6	.020	5/8-11	SB-Stainless*	12,000		6	
6	.020	5/8-11	SB-Carbon	12,000		6	
6	.025	5/8-11	Carbon	9,000		6	
6-1/2	020	5/8-11	SB-Stainless*	9,000	03389	6	
6-1/2	020	5/8-11	SB-Carbon	9,000	03391	6	



End Brushes

- For use on portable power tools
- **Excellent for use in cleaning and finishing recessed areas or pipes**
- Available in the following wire types:
  - Knot wire provides aggressive cutting action
  - Circular flared end brush excellent for side cleaning action
  - Crimped wire for high flexibility
- 1/4" shank diameter

Size		Wire	Trim	Overall	Max	INDUSTRIAL		BLUE LINE™
Dia.	Wire	Style	Length	Length	RPM	Part No.	Std Pkg	Part No.
1	.020	Knot Type	1	2-5/8	22,000	02701	12	06701
1	.020	Crimped Wire	1	2-5/8	22,000	02709	12	06709
1	.020	SS-Knot*	1	2-5/8	22,000	02704	12	06704
3/4	.014	Crimped Wire	1	2-5/8	22,000	02702	12	06702
3/4	.014	Knot Type	1-1/8	2-5/8	22,000	02703	12	06703
1-1/2	.012	Circ. Flared Crimped	5/16	1-3/4	20,000	02710	12	06710
2-1/2	.014	Circ. Flared	11/16	1-3/4	20,000	02705	12	06705
2	.014	Crimped Wire Wheel	7/16	1-1/4	25,000	02712	12	06712
3	.014	Circ. Flared Crimped*	7/8	1-3/4	25,000	02711	12	06711
3	.014	Crimped Wire Wheel	15/16	1-1/4	25,000	02713	12	06713
3	.014	Crimped Wire Wheel*	15/16	1-1/4	25,000	02714	12	06714



Scratch Brushes

- **Excellent for light scale removal**
- Available in the following wire types:
  - Carbon steel wire for general purpose cleaning
  - Stainless steel wire is carbon free
  - Brass wire for general purpose cleaning
- Primary application: Maintenance cleaning

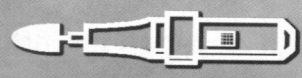
Miscellaneous Brushes

Metal Chip Brush Acid Brushes

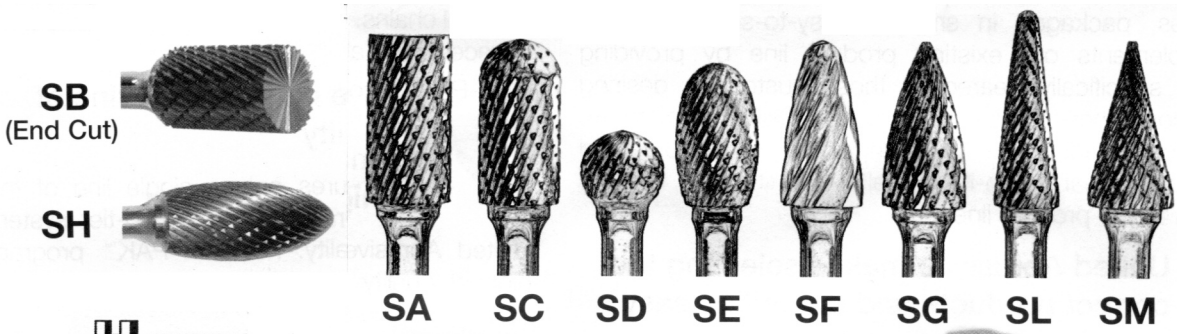
Brush Type	Width	Trim Length	Overall Length	Part No.	Std Pkg
Metal Chip	1-1/2"	1-1/2"	5-5/16"	00510	12 pcs
	3/8"	3/4"	6"	00501	1 gross
Acid Brush	7/16"	7/8"	6-1/2"	00502	1 gross
	9/16"	7/8"	6-1/8"	00503	1 gross

Size Rows	Wire Size	Type	Part No.	Std Pkg
3 x 19	.014	Curved Handle	05751	12
3 x 19	.014	Curved Handle w/Scraper	05760	12
3 x 19	.012	Curved-Stainless*	05755	12
3 x 14	.014	V-Groove Scratch	05764	12
3 x 14	.012	V-Groove Scratch-Stainless*	05765	12
4 x 16	.014	Shoe Handle	05753	12
4 x 16	.014	Shoe Handle w/Scraper	05761	12
4 x 16	.012	Shoe Handle-Stainless*	05763	12
4 x 19	.014	Curved Handle	05752	12
3 x 7	.006	Small Cleaning Brush-Stainless*	05759	12
3 x 7	.006	Small Cleaning Brush w/Plastic Handle-Stainless*	05766	12
3 x 7	.006	Small Cleaning Brush-Brass	05762	12
3 x 7	.006	Small Cleaning Brush w/Plastic Handle-Brass	05768	12

BURS



Tungsten Carbide Burs



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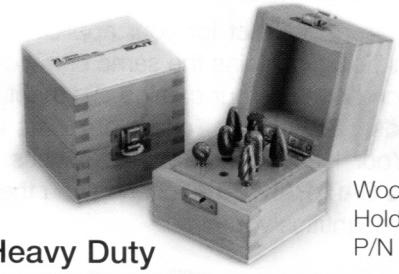


Wooden Display Case
Holds up to 8 burs
P/N 99046

Double Cut (Alternate Cut)

Type	Size Dia.	Size Length	Shank Dia.	Part Numbers	Qty Per Box
SA1	1/4	5/8	1/4	45000	1
SA3	3/8	3/4	1/4	45001	1
SA5	1/2	1	1/4	45002	1
SB1	1/4	5/8	1/4	45111	1
SB3	3/8	3/4	1/4	45004	1
SB5	1/2	1	1/4	45113	1
SC1	1/4	5/8	1/4	45005	1
SC3	3/8	3/4	1/4	45006	1
SC5	1/2	1	1/4	45007	1
SD1	1/4	7/32	1/4	45010	1
SD3	3/8	5/16	1/4	45011	1
SD5	1/2	7/16	1/4	45012	1
SE1	1/4	3/8	1/4	45015	1
SE5	1/2	7/8	1/4	45016	1
SF1	1/4	5/8	1/4	45020	1
SF3	3/8	3/4	1/4	45021	1
SF5	1/2	1	1/4	45022	1
SH1	1/4	5/8	1/4	45115	1
SH2	5/16	3/4	1/4	45116	1
SH5	1/2	1-1/4	1/4	45117	1
SL1	1/4	5/8	1/4	45025	1
SL3	3/8	1-1/16	1/4	45026	1
SL4	1/2	1-1/4	1/4	45027	1
SG1	1/4	5/8	1/4	45030	1
SG3	3/8	3/4	1/4	45031	1
SG5	1/2	1	1/4	45032	1
SM1	1/4	1/2	1/4	45035	1
SM2	1/4	3/4	1/4	45036	1
SM4	3/8	3/4	1/4	45037	1
SM5	1/2	1	1/4	45038	1

Non-ferrous (Aluminum)

Type	Size Dia.	Size Length	Shank Dia.	Part Numbers	Qty Per Box
SA3NF	3/8	3/4	1/4	45050	1
SA5NF	1/2	1	1/4	45051	1
SC3NF	3/8	3/4	1/4	45052	1
SF3NF	3/8	3/4	1/4	45053	1
SF5NF	1/2	1	1/4	45054	1
SL4NF	1/2	1-1/8	1/4	45055	1

Heavy Duty

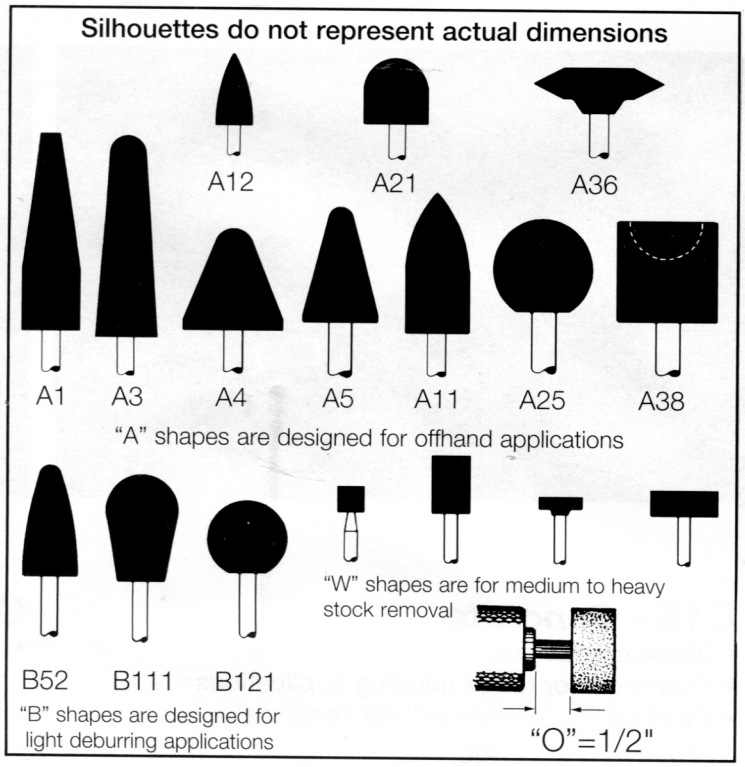
Type	Size Dia.	Size Length	Shank Dia.	Part Numbers	Qty/ Box
SA5	1/2	1	1/4	45125	1
SC5	1/2	1	1/4	45130	1
SE5	1/2	7/8	1/4	45135	1
SF3	3/8	3/4	1/4	45140	1
SF5	1/2	1	1/4	45145	1
SG5	1/2	1	1/4	45150	1
SL3	3/8	1-1/16	1/4	45155	1
SL4	1/2	1-1/4	1/4	45160	1

6" Length Shank

Type	Size Dia.	Size Length	Shank Dia.	Part Numbers	Qty/ Box
SA3L6	3/8	3/4	1/4 6L	45603	1
SA5L6	1/2	1	6L	45605	1
SB1L6	1/4	5/8	6L	45611	1
SB3L6	3/8	3/4	6L	45613	1
SC3L6	3/8	3/4	6L	45623	1
SD1L6	1/4	7/32	6L	45631	1
SD3L6	3/8	5/16	6L	45633	1
SE5L6	1/2	7/8	6L	45645	1
SF3L6	3/8	3/4	6L	45653	1
SF5L6	1/2	1	6L	45655	1
SG3L6	3/8	3/4	6L	45663	1
SG5L6	1/2	1	6L	45665	1
SH2L6	5/16	3/4	6L	45672	1
SL3L6	3/8	1-1/16	6L	45683	1
SM3L6	1/4	1	6L	45693	1
SC3NFL6	3/8	3/4	6L	45063	1
SF3NFL6	3/8	3/4	6L	45073	1
SD3NFL6	3/8	5/16	6L	45083	1

TYPE A, B, W Mounted Points

Grinding

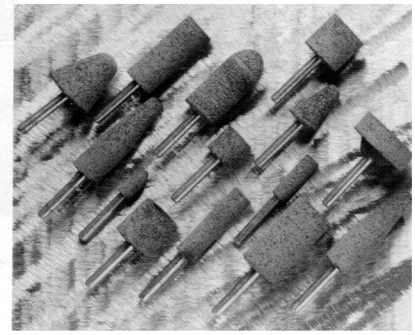


A36Q - Resin Bonded

- Aluminum oxide grain
- For deburring and finishing
- **Fast stock removal**

METAL Ferrous metals (iron, steel, welds)

- Shank length 1-1/2"



Die Grinder

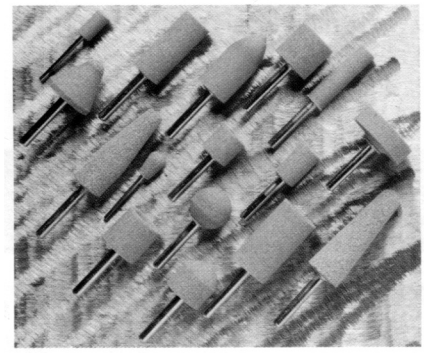
Type	Size Dia.	Size Length	Shank Dia.	A36Q Part Number	A60R Part Number	"O" = 1/2" Max RPM	Qty Per Box
A1	3/4	2-1/2	1/4	27401		19,800	10
A3	1	2-3/4	1/4	27402		16,100	10
A4	1-1/4	1-1/4	1/4	27403		30,560	10
A5	3/4	1-1/8	1/4	27404		45,000	10
A11	7/8	2	1/4	27405		19,860	10
A12	11/16	1-1/4	1/4	-		48,000	10
A21	1	1	1/4	-		34,500	10
A25	1	Round	1/4	-		35,620	10
A36	1-5/8	3/8	1/4	-		23,520	10
A38	1	1	1/4	27406		34,500	10
B52	3/8	3/4	1/4	27407		45,370	10
B52	3/8	3/4	1/8	-		45,370	20
B111	7/16	11/16	1/8	-		33,750	20
B121	1/2	1/2	1/8	-		45,370	20
W160	1/4	1/4	1/8	-		81,370	10
W177	3/8	3/4	1/8	-		33,750	20
W179	3/8	1-1/4	1/4	27408		45,750	10
W189	1/2	2	1/4	27409		24,000	10
W196	5/8	1	1/4	-		35,250	10
W204	3/4	3/4	1/4	27410		42,750	10
W208	3/4	2	1/4	27411		18,750	10
W215	1	1/8	1/8	-		38,200	10
W220	1	1	1/4	27412		25,500	10
W222	1	2	1/4	27413		15,900	10
W225	1-1/4	1/4	1/4	-		30,560	10
W236	1-1/2	1/2	1/4	27414		25,470	10

A60R - Vitrified

- Aluminum oxide grain
- **Ideal for ID grinding and mold finishing**

METAL Ferrous metals

- Shank length 1-1/2"



UNITED ABRASIVES, INC.
SAIT

Convolute Wheels

Bench Grinder

NON-WOVEN

Deburring

Deburring 8SF-Medium Density

- **Excellent starting point for general purpose deburring, blending, and weld polishing**
- Silicon carbide grain for fast cut rate and finest finish
- Comparable to competitive 8SF products

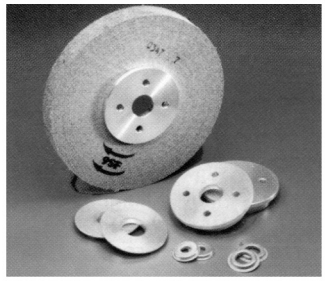
METAL	Ferrous and non-ferrous materials
ALUMINUM	Aluminum
STAINLESS	Stainless steel, high tensile materials

Deburring 9SF-Hard Density

- **Excellent for aggressive deburring, blending**
- Silicon carbide grain for fast cut rate and finest finish
- Comparable to competitive 9SF products

METAL	Ferrous and non-ferrous materials
ALUMINUM	Aluminum
STAINLESS	Stainless steel, high tensile materials

NOTE: Wheels must be run in the direction of the arrow as indicated on the wheel.



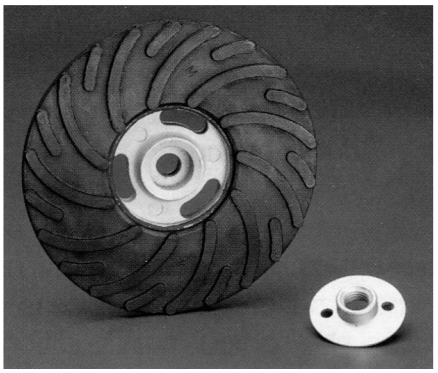
Size	Spec.	Density	Grain	Grade	Max RPM	Part No.	Qty Per Box
6 x 1/2 x 1	9SF	Hard	Silicon Carbide	Fine	6,000	77810	4
6 x 1 x 1	8SF	Medium	Silicon Carbide	Fine	6,000	77815	3
6 x 1 x 1	9SF	Hard	Silicon Carbide	Fine	6,000	77820	3
8 x 1 x 3	9SF	Hard	Silicon Carbide	Fine	4,500	77825	3

Convolute Wheel and Non-Woven Flap Brush Reducing Bushings

- Re-usable reducing bushings for use with Convolute Wheels and Flap Brushes
- Packaged per pair

Description	Part No	For Use With:
1" OD to 3/8" ID	95210	6" Diameter Convolute Wheels
1" OD to 1/2" ID	95212	6" Diameter Convolute Wheels
1" OD to 5/8" ID	95214	6" Diameter Convolute Wheels
1" OD to 3/4" ID	95216	6" Diameter Convolute Wheels
2" OD to 1" ID	95220	6" Diameter Non-woven Flap Brushes
3" OD to 1" ID	95230	8" Diameter Convolute Wheels and Non-woven Flap Brushes
3" OD to 1-1/4" ID	95232	8" Diameter Convolute Wheels and Non-woven Flap Brushes

Backing Pads for Resin Fiber Discs



- Spiralcool™ backing pads' exclusive rubber, fabric, and fiber board construction provide extra strength and reliability
- Spiral ribs provide contact points and form channels for air flow extending disc life 30% to 50%
- Each pad is supplied with a nut as indicated

NOTES: Pad nut must be purchased separately. This backing pad is not to be used with SAIT-LOK™ quick change fiber discs

Size	Arbor	Grade Available Part No			Max RPM
		Soft	Med	Hard	
4	5/8-11 Thread	-		-	12,000
4-1/2	5/8	-	95011	-	11,000
4-1/2	1/2	-		-	11,000
5	5/8	-	95016	-	10,000
7	5/8-11 Thread	95017	-	-	7,000
7	5/8-11 Thread	-	95018		8,500
9	5/8-11 Thread	-			6,500

Spanner Wrench

- Adjustable wrench for tightening and loosening center nuts
- Fits all center nuts

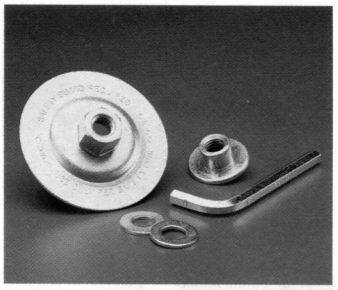
Description	Part No
Spanner Wrench	95008

Type 1 Cut-Off Adaptors

- For use with Type 1 Thin High Speed Cut-Off wheels up to 3" diameter only

Size	Part No
1/4 x 1/4-20	95002
1/4 x 3/8-24	95003

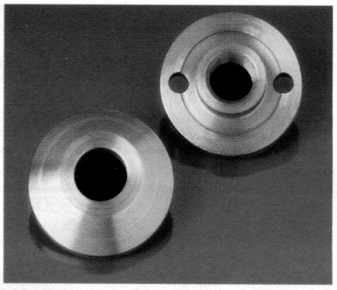
Type 27 Reusable Adaptor Kit



- For use with Type 27 wheels on 7" and 9" 5/8-11 spindle grinders
- Alternative to a throwaway hub

Description	Part No
Reusable Adaptor Kit	95000

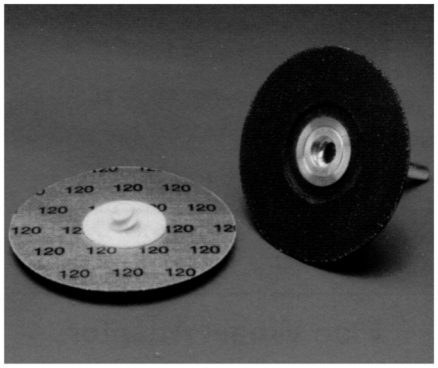
Type 1 & Type 27 Reusable 5/8-11 Adaptor



- Reusable 5/8-11 adaptor for use on Type 1 and Type 27 reinforced wheels with a 7/8 arbor, a max. diameter of 5" and a wheel thickness of .045 to 1/8"

Description	Part No
5/8-11 Reusable Adaptor	95055

SAIT-LOK-R™ Backing Pads for Laminated, Surface Conditioning, & Cotton Fiber Discs



- For use with SAIT-LOK-R™ laminated surface conditioning discs , Cotton fiber discs , Encore Mini Flap Discs
- Nylon threaded hub of disc twists into backing pad for secure fit
- Now available in hard density for aggressive cutting action
- Minimizes change-over time
- 1/4" shank

Size	Part No	Max RPM
1-1/2" Medium	95171	25,000
2" Medium	95172	25,000
3" Medium	95173	20,000
4" Medium		12,000

Size	Part No	Max RPM
1-1/2" Hard		30,000
2" Hard		30,000
3" Hard		20,000

UNITED ABRASIVES, INC.
SAIT

Sand-Light™ Handle

- For manual use with Sand-Light™ 6 x 9 hand pads
- For more uniform finish when hand sanding

Description	Part No
Sand-Light™ Handle	95080

Abrasive Cleaning Stick

- For removing loaded material from sanding belts
- Increases abrasive life
- 100% natural rubber; environmentally safe
- Lasts twice as long as conventional (crepe) belt cleaners and will not cause gummy residue
- Size: 1-5/8" x 1-5/8" x 8"

Description	Part No
Abrasive Cleaning Stick	95083

Center Nuts

- For attaching fiber discs to backing pad and tool
- Use small* for 4", 4-1/2", 5" diameter pads
- Use large* for 7", 9" diameter pads

Size	Part No
5/8-11 Small*	95040
5/8-11 Large*	95041

Threaded throw-away adaptors

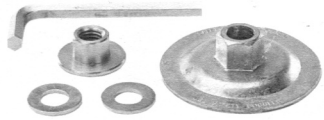
(pages 26–32)

	Order No.
For 1/8" wheels (5/8"NC)	08-B 002
For 1/4" wheels (5/8"NC)	08-B 001
For 1/2" wheels (5/8"NC)	08-B 003

Reusable adaptor kit

(pages 26–32)

For depressed center wheels
Order No. 08-B 031



Mandrels for ZIP wheels

Flush mounting mandrels

with 1/4" shaft, for wheel thickness up to 1/8"

	Order No.
For 2 and 3" wheels, 1/4" and 3/8" arbor	11-L 007
For 2" wheels, 5/16" arbor	11-L 001
For 3" and 4" wheels, 1/4" arbor	11-L 006
For 3" and 4" wheels, 3/8" arbor	11-L 003

General purpose mandrels

with 1/4" shaft for wheel thickness up to 1/2"

	Order No.
For 2" wheels, 3/8" arbor	11-L 008
For 2" wheels, 5/16" arbor	11-L 002
For 3" and 4" wheels. 3/8" arbor	11-L 004

General purpose mandrels

with 5/16" shaft

	Order No.
For 3" and 4" wheels, 3/8" arbor	11-L 005

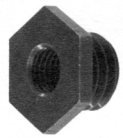
Mandrel for finishing wheels

Plastic, 8 mm shaft, self-expanding, flush mounting for 1" thick wheels
Order No. 07-C 003

Wire brush adaptors and mandrels

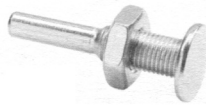
Use these threaded adaptors to convert brushes with 5/8"–11 arbor

	Order No.
To M10 × 1.25 female	13-D 001
To M10 × 1.5 female	13-D 002
To 3/8"–24 female	13-D 003
To 3/8"–16 female	13-D 007



Use these mandrels for double-sided knot-twisted mounted brushes.

To fit with 13-C 303 (3/8" X 1/4")	13-D 008
To fit with 13-C 404 (1/2" X 1/4")	13-D 009

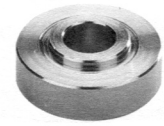


Clamping nuts

	Order No.
For grinders with 5/8"–11 spindle	30-B 037
M14 × 2.0 spindle	30-B 005

Flanges for flush mounting wheels

	Order No.
Less than 1/8" thick	
For Walter grinders with:	
5/8"–11 spindle	30-B 017
M14 × 2.0 spindle	30-B 016
Quick nut 5/8"-11	30-B 020

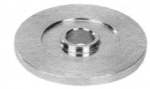


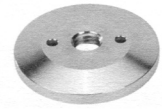
Flush Mounting Set

for other brands of grinders with:
5/8"–11 spindle 30-B 021
(includes special flange and clamping nut)

Clamping flanges

Clamping flange set to mount 9" cut-off wheels on 5/8"–11 spindles
Order No. 30-B 022





Quick release backing flange

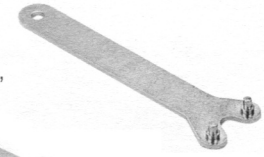
	Order No.
For quick and easy removal of wheel	30-B 057

Spacer washers

	Order No.
For grinders with:	
5/8"–11 spindle	07-Q 001
M14 × 2.0 spindle	07-Z 005

Pin keys

Pin key for clamping nuts 15-H 009, 15-H 010, 15-H 011, 15-H 012, 15-D 013 and 15-H 024
Order No. 15-H 021

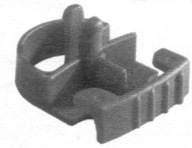


For all other clamping nuts
Order No. 48-Z 148

SPIN-ON performance kit

Contains 1 universal clamping nut holder for all types of clamping flanges. Allows quick and easy storage of clamping flange when not in use. Also includes 2 silicone rings.

Order No. 30-B 024



Special heat resistant silicone ring for retention of the back flange to the spindle. Package of 10. 30-B 027

ZIPCUT™

Setting the industry standard for cut-off wheels

Recognized by name, ZIPCUT is the highest performance cut-off wheel on the market. Faster, cooler and free cutting, define your experience while using our ZIPCUT wheels. Heavily reinforced to ensure added safety, ZIPCUT is resilient, resisting twisting and bending, allowing for a true straight cut every time.

TYPE 1

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	3/64" (.045")	7/8"	11-T 042	A-60-ZIP	13,300	25	400
5"	3/64" (.045")	7/8"	11-T 052	A-60-ZIP	12,200	25	400
6"	3/64" (.045")	7/8"	11-T 062	A-60-ZIP	10,200	25	200
7"	1/16" (.062")	7/8"	11-T 072	A-30-ZIP	8,600	25	100
9" *	5/64" (.078")	7/8"	11-T 092	A-30-ZIP	6,600	25	100

** Should be used with 3" clamping flange No. 30-B 022 (according to ANSI B7.1)*

TYPE 1

Dia.	Thickness	Arbor	Order No.	Grade RPM	Max Pkg.	Std. Ctn.	Std.
7"	1/16" (.062")	5/8"	11-T 070	A-30-ZIP	8,600	25	100
8"	1/16" (.062")	5/8"	11-T 080	A-30-ZIP	7,600	25	100
10"	3/32" (.062")	5/8"	11-T 100	A-30-ZIP	6,100	25	100

TYPE 27

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	3/64" (.045")	7/8"	11-T 142	A-60-ZIP	13,300	25	400
5"	3/64" (.045")	7/8"	11-T 152	A-60-ZIP	12,200	25	400
6"	3/64" (.045")	7/8"	11-T 162	A-60-ZIP	10,200	25	200
7"	1/16" (.062")	7/8"	11-T 172	A-30-ZIP	8,600	25	100
9"	5/64" (.078")	7/8"	11-T 192	A-30-ZIP	6,600	25	100

Accessory

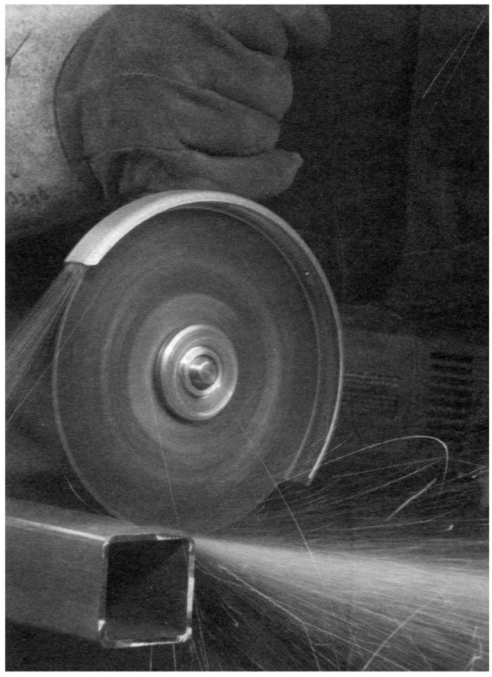
Reducer bushing 7/8" to 5/8" **Order No.** 10-A 984

The Type-27 exclusive metal cladding prevents contact with the workpiece and therefor improves safety.

Longest life! The most cuts per wheel in the industry, guaranteed!

- Significantly more cuts than the competition*
- Lowest cost per cut in the industry
- Less friction and faster cutting

** According to comparative test measurements performed in a lab environment.*



WALTER
Surface Technologies

A WALTER Exclusive

ZIPCUT™ SPIN-ON

High performance cutting with SPIN-ON system

Our industry leading ZIPCUT cut-off wheels are also available with the exclusive SPIN-ON mounting system, taking your productivity to the next level.

- Perfectly centered wheel for total operator comfort
- Quick and easy wheel changes for minimum downtime
- Vibration-free cutting for maximum productivity

SPIN-ON TYPE 27S

Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	3/64" (.045")	5/8"–11	11-T 342	A-60-ZIP	13,300	25	200
5"	3/64" (.045")	5/8"–11	11-T 352	A-60-ZIP	12,200	25	200
6"	3/64" (.045")	5/8"–11	11-T 362	A-60-ZIP	10,200	25	200

COMBO ZIP

Thin, fast and safe cutting and deburring

Cut and light grind with the same wheel. COMBO ZIP is ideal for notching, root pass cleaning, chamfering, and much more. Only 5/64" thick, these tough cut-off wheels can bear the force of lateral pressure to allow users to light grind/deburr in the safest way possible.

- Cutting and deburring combined for less wheel changeover and more productivity
- Reinforced like a grinding wheel for extra safety
- ZIP formulation guarantees fastest cutting time and long life
- Equipped with metal protective hub for extra strength, control and safety

TYPE 27 — Fe-S-Cl <0.1%

Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	5/64" (.078")	7/8"	11-T 842	A-60-COMBO-ZIP	13,300	25	400
5"	5/64" (.078")	7/8"	11-T 852	A-60-COMBO-ZIP	12,200	25	400
6"	5/64" (.078")	7/8"	11-T 862	A-60-COMBO-ZIP	10,200	25	200

COMBO ZIP SPIN-ON

New

Even easier mounting

Now available in SPIN-ON version for quick and easy mounting.

WALTER Surface Technologies

SPIN-ON TYPE 27S

Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	5/64" (.078")	5/8"–11	11-T 844	A-60-COMBO ZIP	13,300	25	200
5"	5/64" (.078")	5/8"–11	11-T 854	A-60-COMBO ZIP	12,200	25	200
6"	5/64" (.078")	5/8"–11	11-T 864	A-60-COMBO ZIP	10,200	25	200

ZIP ONE™

High performance cut-off wheel for thin gage metal

The ZIP ONE, extra thin 1 mm cut-off wheel, is designed for precision cutting in thin gage metal (< 8 ga or 4 mm). Its long life will outlast any other comparable wheel!

Thanks to an innovative technology exclusive to Walter, ZIP ONE (1 mm, 1/32" thin) allows you to more accurately cut thin metal without creating burrs. With ZIP ONE, you can expect the same cool and fast cuts and long wheel life as you have grown to love with Walter ZIPCUT wheels.

- Extra thin for ultra precision cutting
- Clean cutting for less rework
- Unique mix of abrasive grains ensures cool cutting for less discoloration and warping
- Fe-free formulation – guaranteed not to contaminate stainless steel
- Perfect for plunge cutting applications

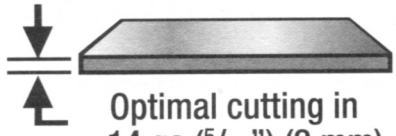
TYPE 1 — Fe-S-Cl <0.1% — STEEL — STAINLESS

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	1/32" (.035)	7/8"	11-T 542	ZA-60-ZIP	13,300	25	400
5"	1/32" (.035)	7/8"	11-T 552	ZA-60-ZIP	12,200	25	400

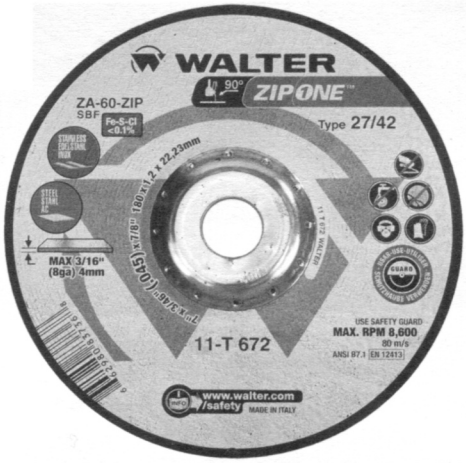
TYPE 27 — Fe-S-Cl <0.1% — STEEL — STAINLESS

Dia.	Thickness	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	1/32" (.032")	7/8"	11-T 642	ZA-60-ZIP	13,300	25	400
5"	1/32" (.032")	7/8"	11-T 652	ZA-60-ZIP	12,200	25	400

Recommended: 8 ga (3/16") (4 mm)

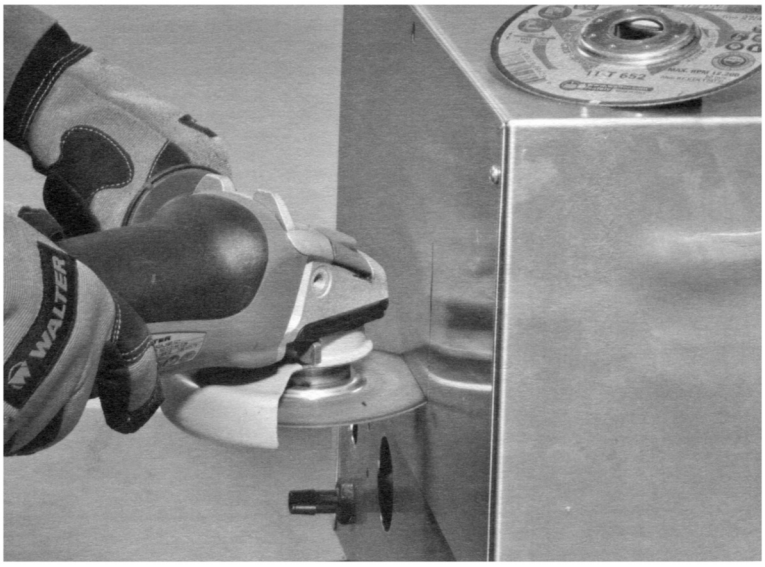


Optimal cutting in <14 ga (5/64") (2 mm)



Premium Fitters Glove Split Leather Double Palm with 5" Gauntlet Style Rubberized Safety Cuff

see page 740



- Type 27 allows more clearance for flush cutting
- Metal hub cladding for extra strength, control and safety

ZIP STAINLESS™

Superior cutting of nickel alloyed steels

These extra thin cut-off wheels (3/64"-.045") cut all stainless steels fast, free and cool for burr-free finishes. They are made with highly refined ingredients that will not contaminate stainless steel.

TYPE 1

Fe-S-Cl <0.1% STAINLESS

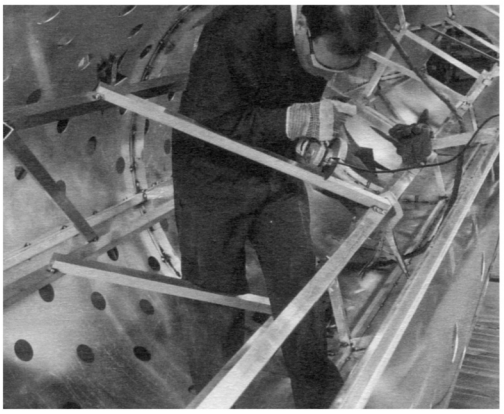
Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4½"	3/64" (.045")	7/8"	11-F 042	A-60-SS-ZIP	13,300	25	400
5"	3/64" (.045")	7/8"	11-F 052	A-60-SS-ZIP	12,200	25	400
6"	3/64" (.045")	7/8"	11-F 062	A-60-SS-ZIP	10,200	25	200
7"	1/16" (.062")	7/8"	11-F 072	A-46-SS-ZIP	8,600	25	100
9"	5/64" (.078")	7/8"	11-F 092	A-46-SS-ZIP	6,600	25	100

TYPE 27

Fe-S-Cl <0.1% STAINLESS

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4½"	3/64" (.045")	7/8"	11-F 142	A-60-SS-ZIP	13,300	25	400
5"	3/64" (.045")	7/8"	11-F 152	A-60-SS-ZIP	12,200	25	400
6"	3/64" (.045")	7/8"	11-F 162	A-60-SS-ZIP	10,200	25	200
7"	1/16" (.062")	7/8"	11-F 172	A-46-SS-ZIP	8,600	25	100
9"	5/64" (.078")	7/8"	11-F 192	A-46-SS-ZIP	6,600	25	100

- Best wheel life and extra fast cutting in aluminum



ZIP ALU™

WALTER Surface Technologies

Fast and free cutting of aluminum without clogging

Thin cut-off wheels specially formulated to cut a wide variety of aluminum, aluminum alloys and non-ferrous metals without clogging.

TYPE 1

ALUMINUM

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
3"	1/32"	3/8"	11-U 303	A-60-ZIP-ALU	25,470	25	200
4"	1/32"	3/8"	11-U 403	A-60-ZIP-ALU	19,100	25	200
4½"	3/64" (.045")	7/8"	11-U 042	A-60-ZIP-ALU	13,300	25	400
5"	3/64" (.045")	7/8"	11-U 052	A-60-ZIP-ALU	12,200	25	400
6"	3/64" (.045")	7/8"	11-U 062	A-60-ZIP-ALU	10,200	25	200
7"	1/16" (.062")	7/8"	11-U 072	A-30-ZIP-ALU	8,600	25	100

For mandrels see page 16.

TYPE 27

ALUMINUM

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4½"	3/64" (.045")	7/8"	11-U 142	A-60-ZIP-ALU	13,300	25	400
5"	3/64" (.045")	7/8"	11-U 152	A-60-ZIP-ALU	12,200	25	400
6"	3/64" (.045")	7/8"	11-U 162	A-60-ZIP-ALU	10,200	25	200
7"	1/16" (.062")	7/8"	11-U 172	A-30-ZIP-ALU	8,600	25	100

ZIP+™

For the toughest cutting applications

ZIP+ is used by our clients with some of the most demanding cutting applications. These clients include: metal fabricators, maintenance departments, sheet metal shops, welding shops, mechanical contractors, equipment manufacturers, automotive shops, etc. Time after time, they choose ZIP+ for their tough cutting projects.

TYPE 1

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	1/16" (.062")	⅞"	11-T 242	A-46-ZIP	13,300	25	400
5"	1/16" (.062")	⅞"	11-T 252	A-46-ZIP	12,200	25	400
6"	1/16" (.062")	⅞"	11-T 262	A-46-ZIP	10,200	25	200
7"	5/64" (.078")	⅞"	11-T 272	A-46-ZIP	8,600	25	100
9"	3/32" (.094")	⅞"	11-T 292	A-46-ZIP	6,600	25	100

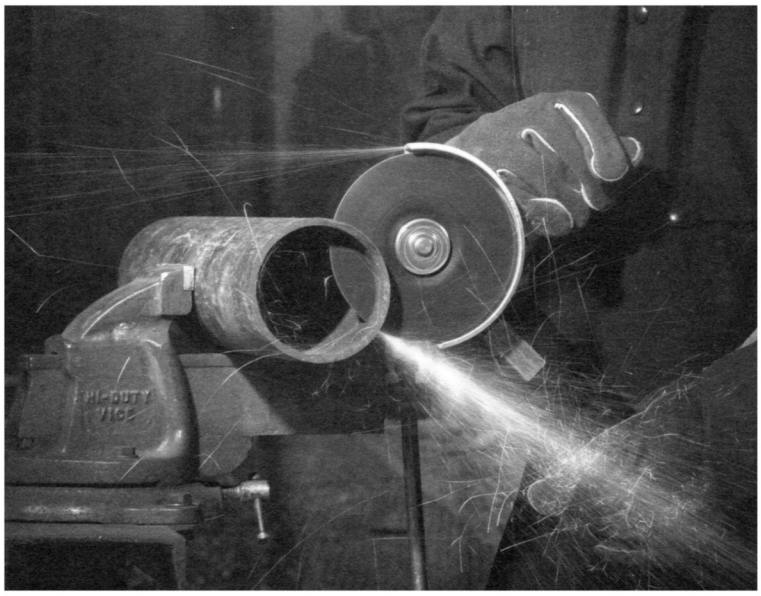
- Excellent performance for cutting material ⅛" and up

WALTER Surface Technologies

TYPE 27

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	1/16" (.062")	⅞"	11-T 453	A-46-ZIP	13,300	25	400
5"	1/16" (.062")	⅞"	11-T 503	A-46-ZIP	12,200	25	400
6"	1/16" (.062")	⅞"	11-T 603	A-46-ZIP	10,200	25	200

- The type 27 is equipped with a metal hub cladding for extra strength, control and safety
- The preferred wheel for flush cutting in confined spaces

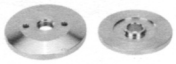


Mounting accessories

Complete set for a flush fit and minimal spindle exposure beyond the clamping nut, for other brands of grinders with:
For ⅝"–11 spindles
Order No. 30-B 021

Thick backing flange for a flush fit and minimal exposure of spindle beyond the clamping nut for Walter grinder with:
⅝"–11 spindles **Order No.** 30-B 017
M14×2.0 spindles **Order No.** 30-B 016

Clamping flanges set to mount 9" cut-off wheels
For ⅝"–11 spindles
Order No. 30-B 022



New

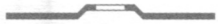
XCAVATOR™

Ultra High Removal Grinding

XCAVATOR is the newest member of Walter's family of high performance grinding wheels. Joining ranks with HP, Allsteel, HP XX and Allsteel XX, the XCAVATOR makes its debut on the metal fabricating and finishing scene spring 2014; its distinguishing factors are its Ultra High Removal and its compatibility with all metals (steel, stainless, cast iron, hard alloyed steel, etc.). When the number one priority is high removal, XCAVATOR is the wheel of choice. You will feel the bite of this wheel in every type of metal. ***XCAVATOR, the real man's grinding wheel!***

Walter's dedication to providing the ultimate in innovation is ensured through rigorous testing; the XCAVATOR is no exception. Confronted with some of the industry's toughest metals, from tungsten carbide to quenched and tempered steel, the XCAVATOR demonstrated time and time again its capacity for Ultra High Removal. If it can guarantee high removal in the hardest of metals imagine the results attained in standard steel and stainless metals!

¼" TYPE 27



Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	¼"	⅝"-11 SPIN-ON	08-P 450	A-16-P	13,300	20	80
4 ½"	¼"	⅞"	08-P 460	A-16-P	13,300	25	100
5"	¼"	⅝" -11 SPIN-ON	08-P 500	A-16-P	12,200	20	80
5"	¼"	⅞"	08-P 510	A-16-P	12,200	25	100
6"	¼"	⅞"	08-P 600	A-16-P	10,200	25	100
7"	¼"	⅞"	08-P 700	A-16-P	8,600	25	50
9"	¼"	⅞"	08-P 900	A-16-P	6.600	25	50

- Ultra High Removal Rate
- Fe-Free formulation (guaranteed not to contaminate stainless steel)
- Patented UHR multi-layer manufacturing process
- Advanced design prevents edge flakiness (added safety)
- Optimal power transfer from operator to working surface
- Available in 4.5", 5", 6", 7", 9"

WALTER
Surface Technologies

3M

N95 Respirator #8210 by 3M®
see page 739

CHOPCUT™

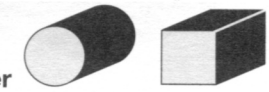
Performance cutting with portable chop saws

These wheels have been specifically developed for use on portable abrasive chop saws. They put minimum load on the motor and are therefore easy on the operator as well as on the saw.

CHOPCUT

General purpose TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-Q 123	A-30-HC+	5,100	10	50
14"	3/32"	1"	10-Q 143	A-30-HC+	4,400	10	50
16"	7/64"	1"	10-Q 163	A-30-HC+	3,800	10	50



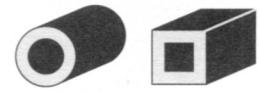
- **Reinforced center**
- The wheel of choice for solids and stainless tubes
- Optimised for use on low power chop saws — reduces load on machine and creates less burrs

New and Improved

CHOPCUT II

High performance TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
12"	3/32"	1"	10-P 123	A-30	5,100	10	50
14"	3/32"	1"	10-P 143	A-30	4,400	10	50
16"	7/64"	1"	10-P 163	A-30	3,800	10	30



- **Double external reinforcement**
- The wheel of choice for tubing and extrusions
- Even longer life than ever before for toughest applications

PORTACUT™

Cutting with gas and electric power saws

These premium wheels stand out as the most reliable cut-off wheels for all on-site cutting jobs. Reinforced for added safety and formulated for an optimal cutting speed and wheel life ratio, PORTACUT is the best choice.

TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	20 mm STIHL	11-A 121	A-24	6,300	10	50
12"	1/8"	7/8" PARTNER	11-A 122	A-24	6,300	10	50
12"	1/8"	1"	11-A 123	A-24	6,300	10	50
14"	1/8"	20 mm STIHL	11-A 141	A-24	5,400	10	30
14"	1/8"	7/8" PARTNER	11-A 142	A-24	5,400	10	30
14"	1/8"	1"	11-A 143	A-24	5,400	10	30

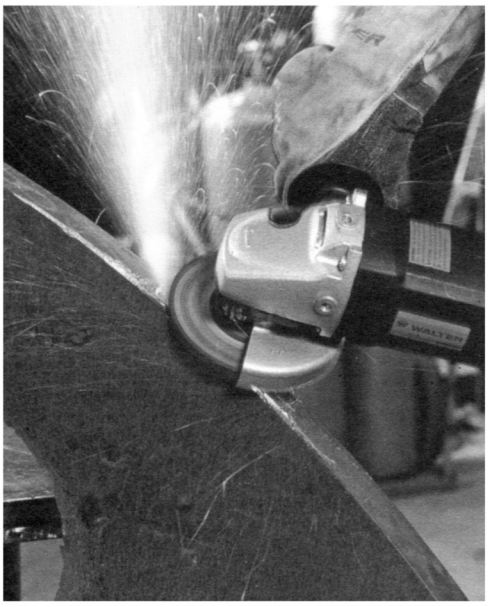
TYPE 1

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
12"	1/8"	20 mm STIHL	11-D 121	C-24	6,300	10	50
12"	1/8"	7/8" PARTNER	11-D 122	C-24	6,300	10	50
12"	1/8"	1"	11-D 123	C-24	6,300	10	50
14"	1/8"	20 mm STIHL	11-D 141	C-24	5,400	10	30
14"	1/8"	7/8" PARTNER	11-D 142	C-24	5,400	10	30
14"	1/8"	1"	11-D 143	C-24	5,400	10	30

- Designed for cutting of concrete, concrete blocks, stone, asphalt, etc.
- General purpose cutting of reinforced concrete pipes, ductile iron, PVC and other plastic pipes

WALTER
Surface Technologies

- Fast and easy changeover of wheel for minimum downtime
- Perfectly centered wheel each and every time for best performance
- High performance wheels grind off metal faster
- Smooth grinding with an aggressive, controlled bite
- Extra long wheel life



1/4" HP™

For all day grinding with exceptional contact; hugs the grinding surface

Formulated for safety and high performance in a wide range of metal grinding operations. Made from the highest quality abrasive grain with greater hardness and wear resistance, they grind welds down fast and with less effort. Their breakthrough performance sets new standards for general purpose grinding of steel.

1/4" SPIN-ON TYPE 27S

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"–11	08-B 450	A-24-HPS	13,300	20	80
5"	1/4"	5/8"–11	08-B 500	A-24-HPS	12,200	20	80
6"	1/4"	5/8"–11	08-B 630	A-24-HPS	10,200	20	80

Always use 1/4" wheels with flange 30-B 057.

1/4" SPIN-ON TYPE 28S

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"–11	08-B 451	A-24-HPS	13,300	20	80
5"	1/4"	5/8"–11	08-B 501	A-24-HPS	12,200	20	80

Always use 1/4" wheels with flange 30-B 057.

1/4" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
3"	1/4"	3/8"	08-B 310	A-24-HPS	20,000	25	100
4"	1/4"	3/8"	08-B 410	A-24-HPS	15,300	25	100
4"	1/4"	5/8"	08-B 400	A-24-HPS	15,300	25	100
4 1/2"	1/4"	7/8"	08-B 460	A-24-HPS	13,300	25	100
5"	1/4"	7/8"	08-B 510	A-24-HPS	12,200	25	100
6"	1/4"	7/8"	08-B 600	A-24-HPS	10,200	25	100
7"	1/4"	7/8"	08-B 710	A-24-HPS	8,600	25	50
9"	1/4"	7/8"	08-B 910	A-24-HPS	6,600	25	50

1/4" TYPE 28

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
7"	1/4"	7/8"	08-B 701	A-24-HPS	8,600	25	50
9"	1/4"	7/8"	08-B 901	A-24-HPS	6,600	25	50

Tech tip!

Type 28 grinding wheels can be used at a shallower working angle for maximum operator comfort

1/8" HP COMBO™

High performance cutting and grinding; all in one wheel

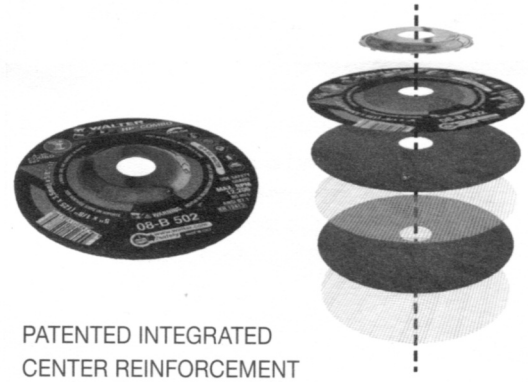
These 1/8" wheels are rapidly setting new standards of performance for combined depressed center wheels (for portable angle grinders). They are specially reinforced to withstand the stress in off-hand cutting operations. Whether cutting, grooving, notching or light grinding, these wheels are guaranteed to give you the longest wheel life, fastest material removal and maximum safety.

- Fast and easy changeover of wheel for minimum downtime
- Perfectly centered wheel each and every time for best performance

1/8" SPIN-ON TYPE 27S

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	5/8"-11	08-B 452	A-30-COMBO	13,300	25	200
5"	1/8"	5/8"-11	08-B 502	A-30-COMBO	12,200	25	200
6"	1/8"	5/8"-11	08-B 632	A-30-COMBO	10,200	25	100

Always use 1/8" wheels with flange 30-B 017 or 30-B 057.



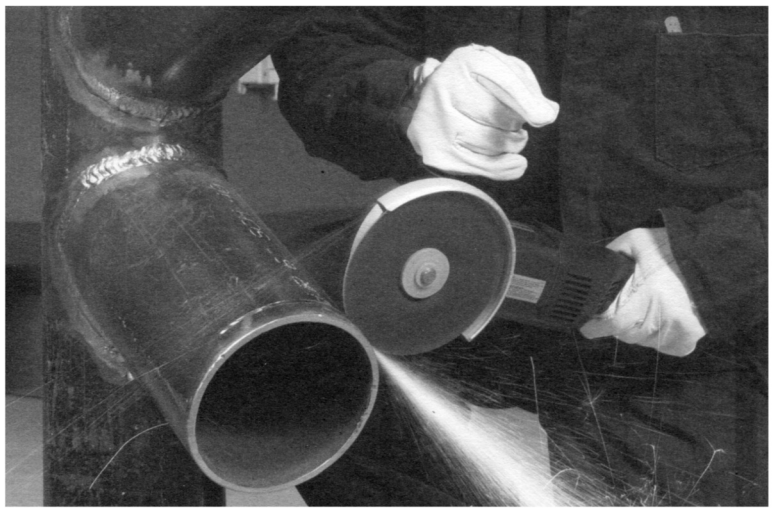
PATENTED INTEGRATED CENTER REINFORCEMENT DESIGN FOR EXTREME TOUGHNESS.

1/8" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
3"	1/8"	3/8"	08-B 312	A-24-COMBO	20,000	25	200
4"	1/8"	3/8"	08-B 412	A-24-COMBO	15,300	25	200
4"	1/8"	5/8"	08-B 402	A-24-COMBO	15,300	25	200
4 1/2"	1/8"	7/8"	08-B 462	A-30-COMBO	13,300	25	200
5"	1/8"	7/8"	08-B 512	A-30-COMBO	12,200	25	200
6"	1/8"	7/8"	08-B 602	A-30-COMBO	10,200	25	100
7"	1/8"	7/8"	08-B 712	A-30-COMBO	8,600	25	100
9"	1/8"	7/8"	08-B 912	A-30-COMBO	6,600	25	100

- Ideal for both cutting and light grinding work
- Hold their cutting edge longer to give you a cutting life beyond compare
- Equipped with an exclusive metal hub cladding for extra strength and control

Work Glove, 8 oz. White Cotton General Purpose
see page 739



WALTER Surface Technologies

WALTER
Surface Technologies

- Thin for fast and free cutting and grooving
- Can also be used for cutting sheet metal
- Ideal for use with low power angle grinders
- Grind joint welds with ease
- Can be used for intermittent light grinding, facing and bevelling work
- Formulated for light grinding, cutting and notching

PIPEFITTER™

Outstanding in pipeline construction

These wheels are specially formulated and reinforced for grinding joint welds between passes in pipeline construction and pipe fabrication. They do not contain iron, sulfur or chlorine (Fe, S, Cl) and will not contaminate stainless steel.

1/8" TYPE 27

Fe-S-Cl <0.1% STEEL STAINLESS

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-N 452	A-36 PIPE	13,300	25	200
5"	1/8"	7/8"	08-N 502	A-36 PIPE	12,200	25	200
6"	1/8"	7/8"	08-N 602	A-24 PIPE	10,200	25	100
7"	1/8"	7/8"	08-N 702	A-24 PIPE	8,600	25	100

SPIN-ON TYPE 27

Fe-S-Cl <0.1% STEEL STAINLESS

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
5"	3/32"	5/8"–11	08-N 533	A-36-PIPE	12,200	25	200
6"	3/32"	5/8"–11	08-N 633	A-36-PIPE	10,200	25	100
6"	5/32"	5/8"–11"	08-N 634	A-20 PIPE	10,200	25	100

ALLSTEEL™

Our most versatile grinding wheel

These grinding wheels are designed to deliver top performance when working on both steel and stainless steel. They incorporate the latest developments in grain and bonding technology to lower your grinding costs. Operator safety and comfort, fast removal rates and outstanding life are key features that will let you do more work in less time—guaranteed!

1/8" TYPE 27

STEEL STAINLESS

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-C 452	A-30-AS	13,300	25	200
5"	1/8"	7/8"	08-C 502	A-30-AS	12,200	25	200
6"	1/8"	7/8"	08-C 602	A-30-AS	10,200	25	100
7"	1/8"	7/8"	08-C 702	A-30-AS	8,600	25	100
9"	1/8"	7/8"	08-C 902	A-30-AS	6,600	25	100

- Fastest cutting wheel in its class
- Cool and free cutting
- Resists bending and twisting for extra safety

1/4" TYPE 27

STEEL STAINLESS

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-C 450	A-24-AS	13,300	25	100
5"	1/4"	7/8"	08-C 500	A-24-AS	12,200	25	100
6"	1/4"	7/8"	08-C 600	A-24-AS	10,200	25	100
7"	1/4"	7/8"	08-C 700	A-24-AS	8,600	25	50
9"	1/4"	7/8"	08-C 900	A-24-AS	6,600	25	50

- Fast removal rates and cool grinding action for entire life of wheel
- Excellent comfort and handling
- Heavily reinforced for absolute safety

WALTER Surface Technologies — STAINLESS™

Superior grinding and cutting

These wheels are excellent for use on all nickel alloyed steels in tough and demanding applications. They hug the workpiece for controlled grinding and a smooth, high quality finish. They are made with highly refined ingredients that will not contaminate stainless steel.

- Fast and easy changeover of wheel for minimum downtime
- Perfectly centered wheel each and every time for best performance
- High performance cutting and intermittent light grinding
- Maintain a superior cutting edge
- Fast and cool stock removal
- High performance and superior control in the most demanding grinding applications

1/8" SPIN-ON TYPE 27S

Fe-S-Cl <0.1%

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	5/8"-11	08-F 452	A-30-SS	13,300	25	200
5"	1/8"	5/8"-11	08-F 502	A-30-SS	12,200	25	200

1/8" TYPE 27

Fe-S-Cl <0.1%

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-F 462	A-30-SS COMBO	13,300	25	200
5"	1/8"	7/8"	08-F 512	A-30-SS COMBO	12,200	25	200
6"	1/8"	7/8"	08-F 602	A-30-SS COMBO	10,200	25	100
7"	1/8"	7/8"	08-F 702	A-30-SS COMBO	8,600	25	100
9"	1/8"	7/8"	08-F 902	A-30-SS COMBO	6,600	25	100

Always use 1/8" wheels with flange 30-B 017.

1/4" SPIN-ON TYPE 27S

Fe-S-Cl <0.1%

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-F 450	A-30-SS	13,300	20	80
5"	1/4"	5/8"-11	08-F 500	A-30-SS	12,200	20	80

1/4" TYPE 27

Fe-S-Cl <0.1%

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-F 460	A-30-SS	13,300	25	100
5"	1/4"	7/8"	08-F 510	A-30-SS	12,200	25	100
6"	1/4"	7/8"	08-F 600	A-30-SS	10,200	25	100
7"	1/4"	7/8"	08-F 700	A-30-SS	8,600	25	50
9"	1/4"	7/8"	08-F 900	A-30-SS	6,600	25	50

1/4" SPIN-ON TYPE 28S

Fe-S-Cl <0.1%

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg	Std. Ctn.
4 1/2"	1/4"	5/8"-11	08-F 451	A-30-SS	13,300	20	80
5"	1/4"	5/8"-11	08-F 501	A-30-SS	12,200	20	80

Always use 1/4" wheels with flange 30-B 057.

N95 Disposable Respirator with Exhale Valve by DEGIL™

see page 738

WALTER
Surface Technologies

ALU™

Performance grinding and cutting in soft metals

These wheels grind all types of aluminum and non-ferrous metals smoothly and at removal rates never thought possible. The specially impregnated bonding resists loading even when grinding very soft, pure aluminum. They do not contain any waxes or lubricants and do not contaminate the material worked on—ground surfaces are therefore clean and ready for welding without further clean-up.

- Formulated for cutting but may also be used for intermittent light grinding
- Fast and free cutting
- Fast removal rate and long wheel life
- No clogging in any type of aluminum

1/8" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-L 452	A-24-ALU	13,300	25	200
5"	1/8"	7/8"	08-L 502	A-24-ALU	12,200	25	200
6"	1/8"	7/8"	08-L 602	A-24-ALU	10,200	25	100
7"	1/8"	7/8"	08-L 702	A-24-ALU	8,600	25	100
9"	1/8"	7/8"	08-L 902	A-24-ALU	6,600	25	100

1/4" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-L 450	A-24-ALU	13,300	25	100
5"	1/4"	7/8"	08-L 500	A-24-ALU	12,200	25	100
6"	1/4"	7/8"	08-L 600	A-24-ALU	10,200	25	100
7"	1/4"	7/8"	08-L 700	A-24-ALU	8,600	25	50
9"	1/4"	7/8"	08-L 900	A-24-ALU	6,600	25	50

CONCRETE™

High performance grinding and cutting

These wheels have multiple high strength reinforcement and a matched super tough bond for extra safety in tough grinding and cutting applications. They are made for fast material removal and smooth grinding and cutting of concrete, masonry, stone and similar building materials.

- Fast and free cutting
- Formulated for cutting but may also be used for intermittent light grinding
- Excellent control in demanding applications
- Extra hard silicon carbide grain for fast material removal and long wheel life
- Superior performance in hard facing and cast iron

1/8" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/8"	7/8"	08-D 452	C-24	13,300	25	200
5"	1/8"	7/8"	08-D 502	C-24	12,200	25	200
7"	1/8"	7/8"	08-D 702	C-24	8,600	25	100

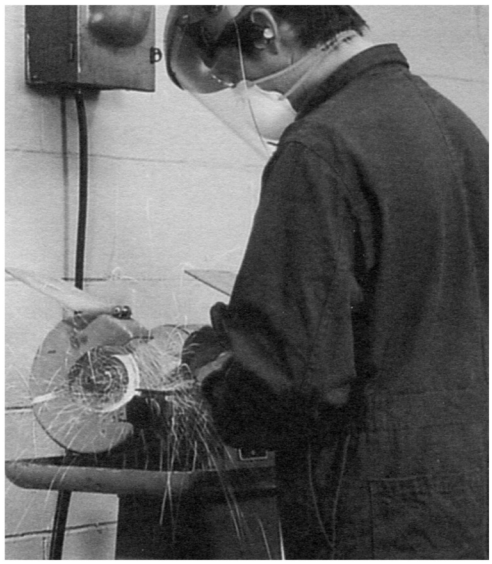
1/4" TYPE 27

Dia.	Thick.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 1/2"	1/4"	7/8"	08-E 450	C-24	13,300	25	100
5"	1/4"	7/8"	08-E 500	C-24	12,200	25	100
7"	1/4"	7/8"	08-E 700	C-24	8,600	25	50

WALTER
Surface Technologies

Bench grinding wheels

- For general purpose grinding work on bench and pedestal grinders
- All wheels are supplied with nested reducer bushings to fit on 1", ¾", ⅝" and ½"-shafts



TYPE 1

Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
6"	¾"	1"	12-E 324	36 coarse	4,100	1	1
6"	¾"	1"	12-E 325	46 medium	4,100	1	1
6"	¾"	1"	12-E 328	80 fine	4,100	1	1
6"	1"	1"	12-E 344	36 coarse	4,100	1	1
6"	1"	1"	12-E 345	46 medium	4,100	1	1
6"	1"	1"	12-E 348	80 fine	4,100	1	1
7"	1"	1"	12-E 444	36 coarse	3,600	1	1
7"	1"	1"	12-E 447	60 fine	3,600	1	1
7"	1 ¼"	1"	12-E 454	36 coarse	3,600	1	1
7"	1 ¼"	1"	12-E 457	60 fine	3,600	1	1
8"	⅞"	1"	12-E 533	24 coarse	3,600	1	1
8"	⅞"	1"	12-E 537	60 fine	3,600	1	1
8"	1"	1"	12-E 543	24 coarse	3,600	1	1
8"	1"	1"	12-E 545	46 medium	3,600	1	1
8"	1"	1"	12-E 547	60 fine	3,600	1	1
8"	1 ¼"	1"	12-E 553	24 coarse	3,600	1	1
8"	1 ¼"	1"	12-E 557	60 fine	3,600	1	1
10"	1"	1"	12-E 643	24 coarse	2,500	1	1
10"	1"	1"	12-E 647	60 fine	2,500	1	1
10"	1 ¼"	1"	12-E 653	24 coarse	2,500	1	1
10"	1 ¼"	1"	12-E 657	60 fine	2,500	1	1

TYPE 1 — CARBIDE

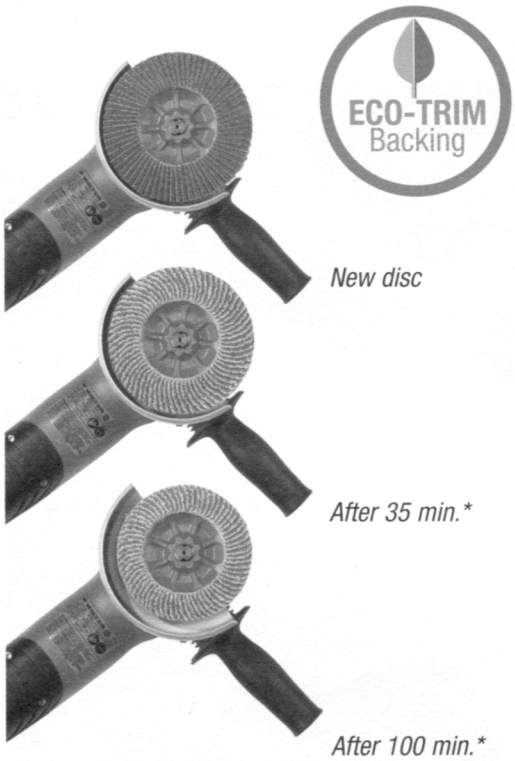
Dia.	Thickness	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
6"	¾"	1"	12-E 329	80 fine	4,100	1	1
7"	1"	1"	12-E 449	80 fine	3,600	1	1
7"	1 ¼"	1"	12-E 459	80 fine	3,600	1	1
8"	⅞"	1"	12-E 539	80 fine	3,600	1	1
8"	1"	1"	12-E 549	80 fine	3,600	1	1
8"	1 ¼"	1"	12-E 559	80 fine	3,600	1	1
10"	1"	1"	12-E 649	80 fine	2,500	1	1

Accessories

Reducer bushings	Order No.
Set ¾" wide, from 1" to ¾", ⅝" and ½"	12-E 006
Set 1" wide, from 1" to ¾", ⅝" and ½"	12-E 007
Pair of bushings from 1" to ⅞"	12-E 008

Wheel dressers	Order No.
Standard type	12-E 001
Heavy-duty	12-E 002

Replacement wheels	Order No.
Set for 12-E 001	12-E 004
Set for 12-E 002	12-E 005



* Based on average material removal in steel.

- Longest life flap disc on the market
- ECO-TRIM backing; easier to trim and environmentally friendly
- Remove welds and finish surfaces in one step
- Safer and cleaner trimming
- Quiet and vibration-free grinding
- Lightweight

ENDURO-FLEX trimming tool
Order No. 06-B 901

WALTER
Surface Technologies

ENDURO-FLEX™

The longest life flap disc on the market

With ENDURO-FLEX endurance is a guarantee. Our one step finishing disc not only meets but surpasses the daily challenges presented by the metal fabricating and finishing industry.
In comparative tests, ENDURO-FLEX outperforms the competition setting the standard with regard to total life and removal.
An additional benefit is its ECO-TRIM backing which is an eco-friendly solution.

Take down welds and finish surfaces in one step; ENDURO-FLEX helps you cut time and costs. If the flap overhang is worn down to the backing, simply trim down the ECO-TRIM backing and your discs top performance is restored.

Be innovative. Be efficient. Reduce your waste stream. Choose ENDURO-FLEX!

SPIN-ON

STEEL STAINLESS

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅝"–11	40	06-B 454	13,300	10	40
4 ½"	⅝"–11	60	06-B 456	13,300	10	40
4 ½"	⅝"–11	80	06-B 458	13,300	10	40
4 ½"	⅝"–11	120	06-B 462	13,300	10	40
5"	⅝"–11	40	06-B 504	12,200	10	40
5"	⅝"–11	60	06-B 506	12,200	10	40
5"	⅝"–11	80	06-B 508	12,200	10	40
5"	⅝"–11	120	06-B 512	12,200	10	40
6"	⅝"–11	40	06-B 604	10,200	10	40
6"	⅝"–11	60	06-B 606	10,200	10	40
6"	⅝"–11	80	06-B 608	10,200	10	40
6"	⅝"–11	120	06-B 612	10,200	10	40

Always use with flange 30-B 017.

STEEL STAINLESS

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅞"	40	15-R 454	13,300	10	40
4 ½"	⅞"	60	15-R 456	13,300	10	40
4 ½"	⅞"	80	15-R 458	13,300	10	40
4 ½"	⅞"	120	15-R 462	13,300	10	40
5"	⅞"	40	15-R 504	12,200	10	40
5"	⅞"	60	15-R 506	12,200	10	40
5"	⅞"	80	15-R 508	12,200	10	40
5"	⅞"	120	15-R 512	12,200	10	40
7"	⅞"	40	15-R 704	8,600	10	40
7"	⅞"	60	15-R 706	8,600	10	40
7"	⅞"	80	15-R 708	8,600	10	40
7"	⅞"	120	15-R 712	8,600	10	40

Always use with flange 30-B 017.

ENDURO-FLEX Stainless™

ECO-TRIM Backing

Flap discs with ECO-TRIM backing

The one-step finishing solution!

Whether you work on stainless steel, aluminum or any other alloy, the ENDURO-FLEX Stainless flap disc will replace grinding wheels and sanding discs and provide exceptional cost savings, higher productivity and more consistent surface finish.

WALTER
Surface Technologies

SPIN-ON

Fe-S-Cl <0.1% | STAINLESS | ALUMINUM & ALLOYS

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅝"–11	40	06-F 454	13,300	10	40
4 ½"	⅝"–11	60	06-F 456	13,300	10	40
4 ½"	⅝"–11	80	06-F 458	13,300	10	40
4 ½"	⅝"–11	120	06-F 462	13,300	10	40
5"	⅝"–11	40	06-F 504	12,200	10	40
5"	⅝"–11	60	06-F 506	12,200	10	40
5"	⅝"–11	80	06-F 508	12,200	10	40
5"	⅝"–11	120	06-F 512	12,200	10	40
6"	⅝"–11	40	06-F 604	10,200	10	40
6"	⅝"–11	60	06-F 606	10,200	10	40
6"	⅝"–11	80	06-F 608	10,200	10	40
6"	⅝"–11	120	06-F 612	10,200	10	40

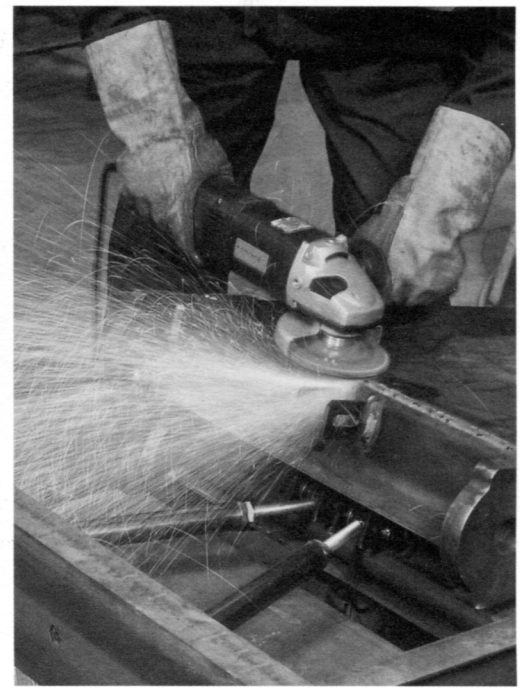
Always use with flange 30-B 017.

- Higher productivity
- Maximum operator safety
- Environmentally-friendly
- Convenient and safe
- Fe-free abrasive cloth
- Remove welds and finish surfaces in just one step
- Consistent finish without any discoloration
- Superior performance on all heat sensitive metals
- Will not load up or glaze; will outperform any other flap disc on aluminum

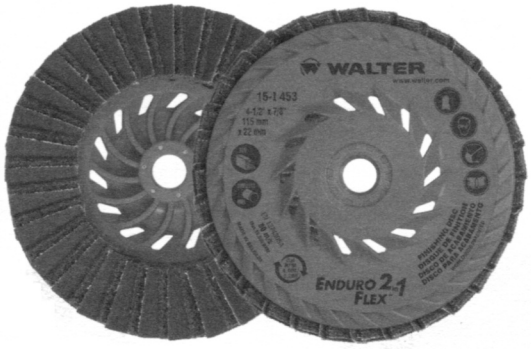
Fe-S-Cl <0.1% | STAINLESS | ALUMINUM & ALLOYS

Dia.	Arbor	Grit	Order No.	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅞"	40	15-Q 454	13,300	10	40
4 ½"	⅞"	60	15-Q 456	13,300	10	40
4 ½"	⅞"	80	15-Q 458	13,300	10	40
4 ½"	⅞"	120	15-Q 462	13,300	10	40
5"	⅞"	40	15-Q 504	12,200	10	40
5"	⅞"	60	15-Q 506	12,200	10	40
5"	⅞"	80	15-Q 508	12,200	10	40
5"	⅞"	120	15-Q 512	12,200	10	40
7"	⅞"	40	15-Q 704	8,600	10	40
7"	⅞"	60	15-Q 706	8,600	10	40
7"	⅞"	80	15-Q 708	8,600	10	40
7"	⅞"	120	15-Q 712	8,600	10	40

Always use with flange 30-B 017.



WALTER
Surface Technologies



ENDURO-FLEX 2-in-1 ™ finishing disc

One-step finishing

ENDURO-FLEX 2-in-1 flap discs will remove TIG welds and finish the surface in just one step, substantially reducing your finishing costs. Changing from a sanding disc to a non-woven disc will be a thing of the past for weld blending and surface finishing.

Long lasting

Developed to blend light TIG welds, breaking edges, blending and removing surface imperfections, oxidation, discoloration, etc. One ENDURO-FLEX 2-in-1 disc will do the job of over twenty traditional discs while providing a smooth and consistent surface finish.

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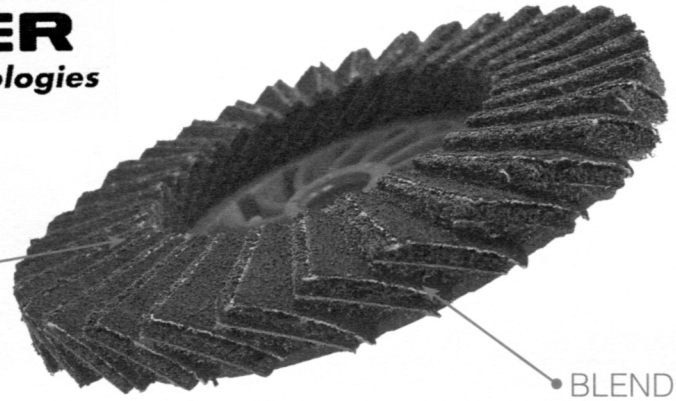
Surface Technologies



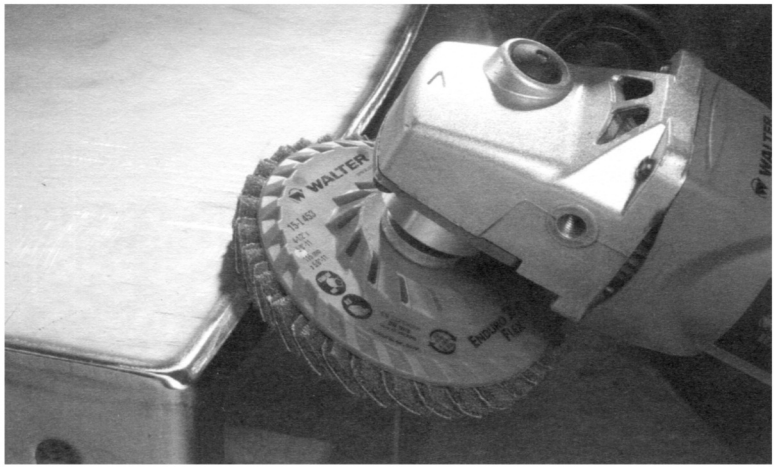
Sanding flaps

- Special low heat generating top coat
- Non-loading
- High removal rate

BLENDEX flaps

- Allows operators to achieve a food grade finish
- Non-woven material, will not smear or contaminate the work piece
- Tear resistant for longest life

Dia.	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅝"–11	15-I 453	13,300	4,000 to 6,000	10	40
5"	⅝"–11	15-I 503	12,200	4,000 to 6,000	10	40



Tech tip!

SPEED *To ensure longest life and best performance, use at optimal speed of 4,000 to 6,000 RPM*
PRESSURE *Higher pressure will increase removal rate while a lower pressure will improve the surface finish*
WORKING ANGLE *For best performance, always use at a working angle of 4˚ to 10˚, never use flat*

WALTER
Surface Technologies

FLEXCUT MILL SCALE™

Premium performance flexible grinding wheel for mill scale

Your days of problems removing mill scale are now over with FLEXCUT MILL SCALE. No more glazing or clogging, just hassle-free removal of mill scale, leaving a clean and even surface.

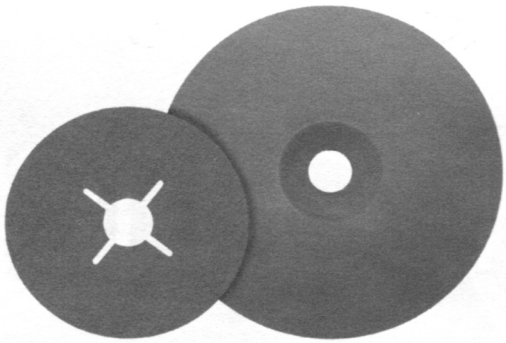
The thin layer of iron oxide covering the surface of hot rolled steel plates, sheets or profiles is known in the industry as mill scale. It is difficult to remove as most abrasives will become glazed. The fine dust created from grinding cakes on between the abrasive grains and clogs the wheel.

With Walter's unique blend of highly refined, friable abrasives paired with its one-of-a-kind open diamond cut pattern, FLEXCUT MILL SCALE will grind off mill scale rapidly and will self-dress to avoid clogging.

- Unique blend of highly refined abrasives allows ultra quick cutting action without glazing or clogging
- Open diamond cut patter discourages clogging
- Extremely effective for heavily rusted plates, aluminum or galvanized metal and painted material
- Fe-free formulation – guaranteed not to contaminate aluminum
- Cool cutting action

SPIN-ON TYPE 27 — Fe-S-Cl <0.1% — MILL SCALE — ALUMINUM

Dia.	Arbor	Order No.	Grade	Max RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅝"-11	15-L 843	A-36-FLEX	13,300	25	200
5"	⅝"-11	15-L 853	A-36-FLEX	12,200	25	200
6"	⅝"-11	15-L 863	A-36-FLEX	10,200	25	100
7"	⅞"	15-L 873	A-36-FLEX	8,600	25	100



COOLCUT XX™

Improved Performance

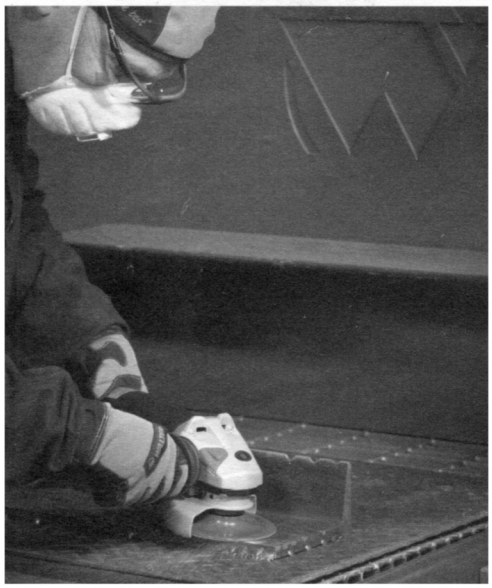
Sanding discs with Cyclone™ Technology

An exclusive high-tech blend of abrasive grains as well as bond and cooling agents are incorporated in these discs, allowing you to blend and finish more pieces and establish improved productivity.

- ✓ **IMPROVED! 90% more stock removal than before**
- ✓ **6 times more stock removal than regular sanding discs**
- ✓ **2 times faster cutting than regular sanding**

- ▶ Remove more material in less time even when compared to a grinding wheel
- ▶ Provide a consistent surface finish, disc after disc
- ▶ Cooling agents ensure cool cutting to prevent burning and distortion
- ▶ All 7" sanding discs are preformed to fit precisely on backing pads* without warping and allowing maximum contact with the workpiece

* Use Turbo backing pads for maximum benefit



STEEL STAINLESS ALUMINUM & ALLOYS

Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.
4 ½"	⅞"	36	15-X 453	25	250
4 ½"	⅞"	50	15-X 455	25	250
4 ½"	⅞"	60	15-X 456	25	250
4 ½"	⅞"	80	15-X 458	25	250
4 ½"	⅞"	100	15-X 460	25	250
4 ½"	⅞"	120	15-X 462	25	250
5"	⅞"	36	15-X 503	25	250
5"	⅞"	50	15-X 505	25	250
5"	⅞"	60	15-X 506	25	250
5"	⅞"	80	15-X 508	25	250
5"	⅞"	100	15-X 510	25	250
5"	⅞"	120	15-X 512	25	250
7"	⅞"	36	15-X 703	25	250
7"	⅞"	50	15-X 705	25	250
7"	⅞"	60	15-X 706	25	250
7"	⅞"	80	15-X 708	25	250
7"	⅞"	100	15-X 710	25	250
7"	⅞"	120	15-X 712	25	250

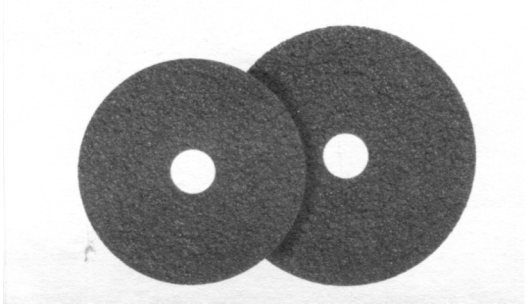
X-TRACUT™

WALTER Surface Technologies

Non-woven sanding discs

These revolutionary sanding discs are guaranteed to cut cooler, faster and last much longer than conventional sanding discs.

STEEL STAINLESS ALUMINUM & ALLOYS



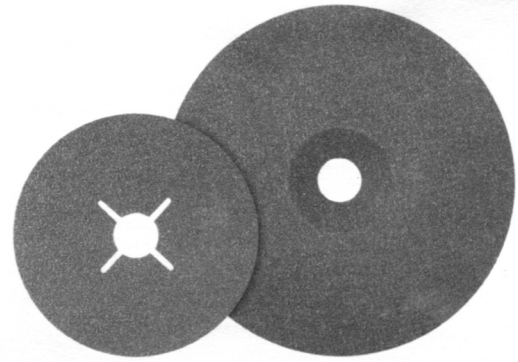
Dia.	Arbor	Order No.	Min. Pkg.	Std. Ctn.
4 ½"	⅞"	15-A 453	10	100
5"	⅞"	15-A 503	10	100
7"	⅞"	15-A 703	10	100

Should be used with clamping nut 15-D 014.

TOPCUT™

For the toughest sanding applications

Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.
4 ½"	⅞"	24	15-P 452	25	250
4 ½"	⅞"	36	15-P 453	25	250
4 ½"	⅞"	60	15-P 456	25	250
4 ½"	⅞"	80	15-P 458	25	250
5"	⅞"	24	15-P 502	25	250
5"	⅞"	36	15-P 503	25	250
5"	⅞"	60	15-P 506	25	250
5"	⅞"	80	15-P 508	25	250
7"	⅞"	24	15-P 702	25	250
7"	⅞"	36	15-P 703	25	250
7"	⅞"	60	15-P 706	25	250
7"	⅞"	80	15-P 708	25	250

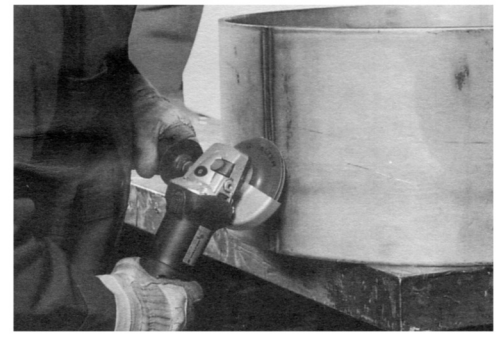


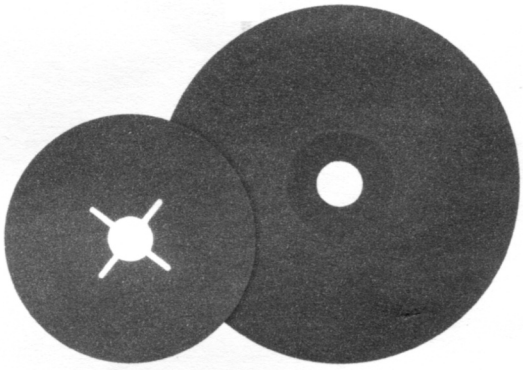
- For the toughest weld removal, grinding and blending applications
- "Blue" zirconium abrasive grains remove more material faster
- High strength heat resistant bond for longest disc life

COOLCUT™

General purpose sanding

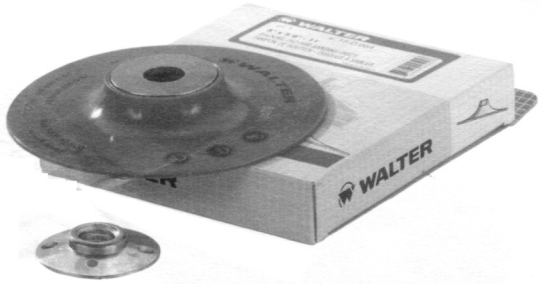
Dia.	Arbor	Grit	Order No.	Min. Pkg.	Std. Ctn.
4 ½"	⅞"	24	15-C 452	25	250
4 ½"	⅞"	36	15-C 453	25	250
4 ½"	⅞"	40	15-C 454	25	250
4 ½"	⅞"	50	15-C 455	25	250
4 ½"	⅞"	60	15-C 456	25	250
4 ½"	⅞"	80	15-C 458	25	250
4 ½"	⅞"	100	15-C 460	25	250
4 ½"	⅞"	120	15-C 462	25	250
5"	⅞"	24	15-C 502	25	250
5"	⅞"	36	15-C 503	25	250
5"	⅞"	40	15-C 504	25	250
5"	⅞"	50	15-C 505	25	250
5"	⅞"	60	15-C 506	25	250
5"	⅞"	80	15-C 508	25	250
5"	⅞"	100	15-C 510	25	250
5"	⅞"	120	15-C 512	25	250
7"	⅞"	24	15-C 702	25	250
7"	⅞"	36	15-C 703	25	250
7"	⅞"	40	15-C 704	25	250
7"	⅞"	50	15-C 705	25	250
7"	⅞"	60	15-C 706	25	250
7"	⅞"	80	15-C 708	25	250
7"	⅞"	100	15-C 710	25	250
7"	⅞"	120	15-C 712	25	250





- For general purpose sanding, light weld removal, surface cleaning and finishing
- Premium blend of aluminum oxide grain
- High removal rate, cool cutting

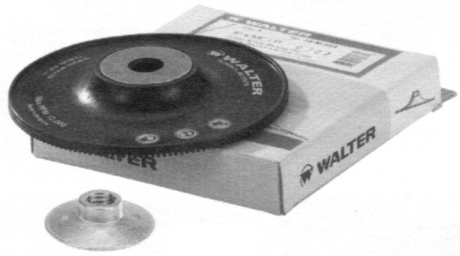
WALTER
Surface Technologies



▶ High quality impact resistant plastic with excellent heat dissipation for longest life

Backing pad assemblies

Dia.	Thread	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4"	M10 × 1.25	15-D 030	15,000	1	10
4"	⅜"–24	15-D 035	15,000	1	10
4 ½"	M14 × 2.0	15-D 042	13,300	1	10
4 ½"	⅝"–11	15-D 044	13,300	1	10
5"	M14 × 2.0	15-D 052	12,200	1	10
5"	⅝"–11	15-D 054	12,200	1	10
6"	M14 × 2.0	15-D 062	10,200	1	10
6"	⅝"–11	15-D 064	10,200	1	10
7"	⅝"–11	15-D 027	8,600	1	10

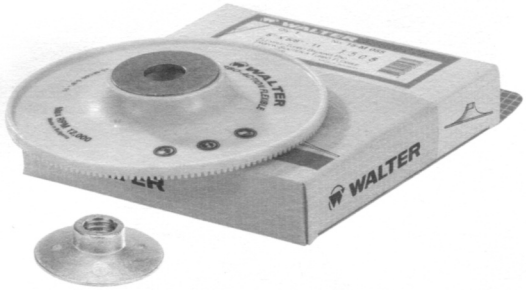


▶ Standard pad, black, medium flexibility for light weld removal and blending

Turbo backing pads

Special saucer shaped backing pad with ribbed backing, ensures a continuous stream of air between pad and disc for cool operation and long disc life.

Dia.	Thread	Color	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	⅝"–11	Black	15-M 044	13,300	1	10
5"	⅝"–11	Black	15-M 054	12,200	1	10
5"	⅝"–11	White	15-M 055	12,200	1	10
6"	⅝"–11	Black	15-M 064	10,200	1	10
7"	⅝"–11	Black	15-M 007	8,600	1	10
7"	⅝"–11	White	15-M 008	8,600	1	10

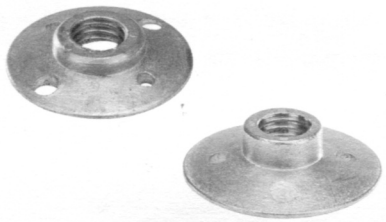


▶ Soft pad, white, extra flexible for surface finishing where a wider contact area is required

WALTER
Surface Technologies

Clamping nuts *(supplied separately)*

	Order No.		Order No.
For 4" backing pads			
M10 × 1.25	15-D 016	⅜"–24	15-D 015
For 4 ½" and 5" backing pads			
M10 × 1.25	15-D 010	½"–13	15-D 013
M10 × 1.5	15-D 011	⅝"–11	15-D 014
M14 × 2.0	15-D 012		
For 6" and 7" backing pads		⅝"–11	15-H 014
For 7" Turbo Action backing pad		⅝"–11	15-M 014

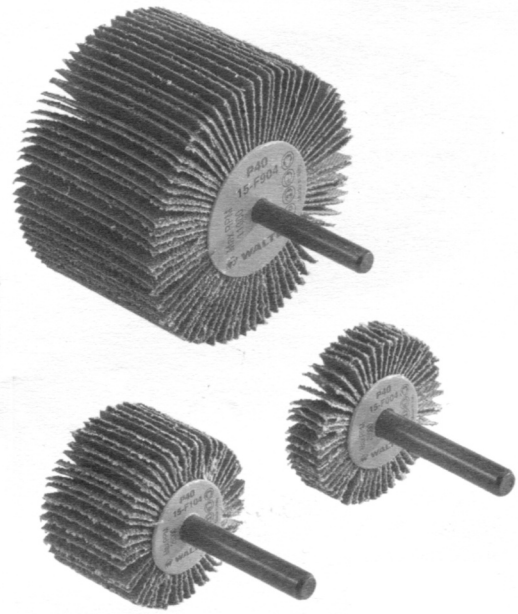


Spacer washers (supplied separately)

		Order No.
For grinders with:	⅝"–11 spindle	07-Q 001
	M14 × 2.0 spindle	07-Z 005

COOLCUT™ flap wheels

These flap wheels are made of the highest industrial quality abrasive cloth and have an optimal number of flaps that are securely bonded and balanced around the hub for a top quality finish. They are ideal for general purpose blending, shaping and deburring and will quickly give a consistent and uniform grained satin finish.



WALTER
Surface Technologies

1/4" Shaft

Dia.	Width	Grit	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
1"	3/8"	40	15-F 054	30,000	27,500	10	100
1"	3/8"	60	15-F 056	30,000	27,500	10	100
1"	3/8"	80	15-F 058	30,000	27,500	10	100
1"	3/8"	120	15-F 062	30,000	27,500	10	100
1"	1"	40	15-F 154	30,000	27,500	10	100
1"	1"	60	15-F 156	30,000	27,500	10	100
1"	1"	80	15-F 158	30,000	27,500	10	100
1"	1"	120	15-F 162	30,000	27,500	10	100
1 1/2"	3/8"	40	15-F 004	25,000	19,100	10	100
1 1/2"	3/8"	60	15-F 006	25,000	19,100	10	100
1 1/2"	3/8"	80	15-F 008	25,000	19,100	10	100
1 1/2"	3/8"	120	15-F 012	25,000	19,100	10	100
1 1/2"	1"	40	15-F 104	25,000	19,100	10	100
1 1/2"	1"	60	15-F 106	25,000	19,100	10	100
1 1/2"	1"	80	15-F 108	25,000	19,100	10	100
1 1/2"	1"	120	15-F 112	25,000	19,100	10	100
1 1/2"	1"	240	15-F 124	25,000	19,100	10	100
2"	3/8"	40	15-F 204	25,000	15,200	10	100
2"	3/8"	60	15-F 206	25,000	15,200	10	100
2"	3/8"	80	15-F 208	25,000	15,200	10	100
2"	3/8"	120	15-F 212	25,000	15,200	10	100
2"	1"	40	15-F 304	25,000	15,200	10	100
2"	1"	60	15-F 306	25,000	15,200	10	100
2"	1"	80	15-F 308	25,000	15,200	10	100
2"	1"	120	15-F 312	25,000	15,200	10	100
2"	1"	240	15-F 324	25,000	15,200	10	100
2 1/2"	1 1/2"	40	15-F 504	20,000	12,700	10	100
2 1/2"	1 1/2"	60	15-F 506	20,000	12,700	10	100
2 1/2"	1 1/2"	80	15-F 508	20,000	12,700	10	100
2 1/2"	1 1/2"	120	15-F 512	20,000	12,700	10	100
2 1/2"	1 1/2"	240	15-F 524	20,000	12,700	10	100
3"	1"	40	15-F 704	15,000	8,900	10	100
3"	1"	60	15-F 706	15,000	8,900	10	100
3"	1"	80	15-F 708	15,000	8,900	10	100
3"	1"	120	15-F 712	15,000	8,900	10	100
3"	1 1/2"	40	15-F 804	15,000	8,900	10	100
3"	1 1/2"	60	15-F 806	15,000	8,900	10	100
3"	1 1/2"	80	15-F 808	15,000	8,900	10	100
3"	1 1/2"	120	15-F 812	15,000	8,900	10	100
3"	1 1/2"	240	15-F 824	15,000	8,900	10	100
3"	2"	40	15-F 904	11,000	8,900	10	100
3"	2"	60	15-F 906	11,000	8,900	10	100
3"	2"	80	15-F 908	11,000	8,900	10	100
3"	2"	120	15-F 912	11,000	8,900	10	100

MASTERS® Grit Cloth (Premium)

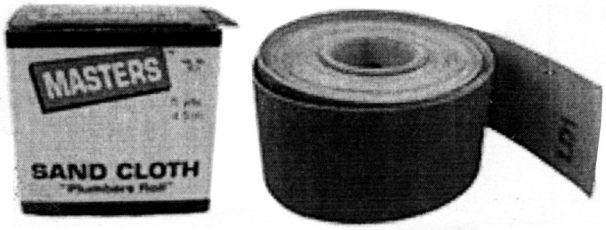
is a **Heavy-Duty**, open mesh screen cloth used for cleaning and polishing copper pipe, tubing and fittings. The open mesh allows for the debris to fall through the screen, rather than building up on the surface.

Cat. No.	Description	Grit
GC5	5 Yards x 1-3/8"	180

THOMPSONS™ Grit Cloth (Economical)

is a **Medium-Duty**, open mesh screen cloth used for cleaning and polishing copper pipe, tubing and fittings. The open mesh allows for the debris to fall through the screen, rather than building up on the surface.

Cat. No.	Description	Grit
TGC5	5 Yards x 1-3/8"	180



MASTERS® Sand Cloth (Premium)

is a **Premium Grade** sand cloth used to clean and deoxidize copper pipe, tubing and fittings prior to sweat soldering or brazing.

Cat. No.	Description	Grit
SC5	5 Yards x 1-3/8"	120
SC25	25 Yards x 1-3/8"	120

THOMPSONS™ Sand Cloth (Economical)

is a **Premium Grade** sand cloth used to clean and deoxidize copper pipe, tubing and fittings prior to sweat soldering or brazing.

Cat. No.	Description	Grit
TSC5	5 Yards x 1-3/8"	120

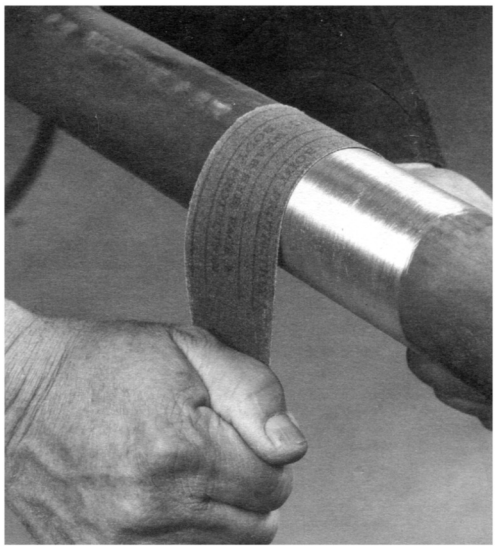
MASTERS® Power Fitting Brushes

are used to clean the ID of copper pipe. Heavy Duty bristle brushes with a 1/4" Hex Shank, fits all power drills.

PFB50HD	1/2" Pipe
PFB75HD	3/4" Pipe
PFB100HD	1" Pipe
PFB125HD	1-1/4" Pipe
PFB150HD	1-1/2" Pipe
PFB200HD	2" Pipe

COOLCUT™ shop rolls and sheets

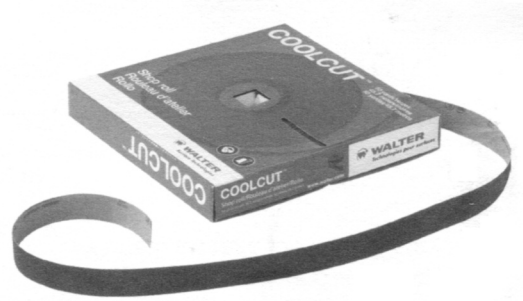
COOLCUT cloth abrasives are made from fast cutting aluminum oxide abrasive grain that is resin bonded onto a high quality cotton cloth backing for cool, effective cutting and maximum resistance to wear. For general purpose sanding, light removal and deburring, surface cleaning and finishing.



Shop rolls

All metals

Width	Length	Grit	Order No.	Std. Pkg.	Std. Ctn.
1"	50 yards	60	14-C 106	1	10
1"	50 yards	80	14-C 108	1	10
1"	50 yards	100	14-C 110	1	10
1"	50 yards	120	14-C 112	1	10
1"	50 yards	180	14-C 118	1	10
1"	50 yards	240	14-C 124	1	10
1"	50 yards	320	14-C 132	1	10
1 ½"	50 yards	60	14-C 206	1	10
1 ½"	50 yards	80	14-C 208	1	10
1 ½"	50 yards	100	14-C 210	1	10
1 ½"	50 yards	120	14-C 212	1	10
1 ½"	50 yards	180	14-C 218	1	10
1 ½"	50 yards	240	14-C 224	1	10
1 ½"	50 yards	320	14-C 232	1	10
2"	50 yards	60	14-C 306	1	10
2"	50 yards	80	14-C 308	1	10
2"	50 yards	100	14-C 310	1	10
2"	50 yards	120	14-C 312	1	10
2"	50 yards	180	14-C 318	1	10
2"	50 yards	240	14-C 324	1	10
2"	50 yards	320	14-C 332	1	10

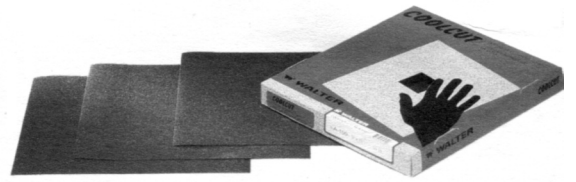


- Premium J-weight cloth backing for long life and flexibility
- Perfect for making strip belts for use with the Line-Mate system belt drive roller
- Ideal for use in maintenance shops, machine shops, manufacturing plants and more

Sheets

All metals

Dimensions	Grit	Order No.	Std. Pkg.	Std. Ctn.
9" x 11"	40	14-A 904	25	250
9" x 11"	60	14-A 906	25	250
9" x 11"	80	14-A 908	25	250
9" x 11"	100	14-A 910	25	250
9" x 11"	120	14-A 912	25	250
9" x 11"	180	14-A 918	25	250
9" x 11"	240	14-A 924	25	250
9" x 11"	320	14-A 932	25	250



- Woven backing is extra tough but tears straight for easy sizing
- Long life, cool cut

WALTER
Surface Technologies

High performance power brushes

Power brushes have long been used for edge and surface conditioning on a wide variety of materials. Unlike grinding wheels and other abrasives that remove base material along with surface contaminants, power brushes work on the metal surface without removing the base material. Only the tips of the wire on a power brush hammer the metal surface like thousands of tiny ball peens to finish and work harden the surface.

To withstand that kind of abuse, every Walter power brush is made from only the finest industrial grade materials. Combined with the latest manufacturing technology and strictest quality control, every power brush ensures the operator highest productivity, longest brush life and maximum safety.

- Choice of threads for direct mounting on all angle grinders available on the market today
- Product and safety information are clearly and permanently embossed on each brush
- Brushes are color coded for easy identification
  - Orange brushes = steel
  - Blue brushes = stainless steel, aluminum

Perfect Balance

Every knot is perfectly balanced through accurate wire count and even trim length before being permanently anchored in an individual hole. This ensures perfect concentricity and vibration-free brushing for maximum operator comfort.

Internal steel plate holds wires securely in place even under extreme pressure for maximum strength and safety.

Longest Life

Premium high tensile wire is oil-hardened and tempered for longest life. Wire quality is mill certified for every batch ensuring consistent top performance brush after brush.

Double-row

New

WALTER Surface Technologies

Walter presents the newest member to join its line of high quality cup brushes with the double-row knot-twisted. These brushes cover more area (1") allowing you to clean and prepare more quickly and more easily. The removable ring keeps the brush's wires firmly in place withstanding inertia and significantly increasing their life.

- Work two times faster on large surfaces
- Requires less torque from the power tool for the same efficiency
- Unbeatable life and added working hours per brush

Double-row knot-twisted cup brushes *with ring*

Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.
5"	5/8"–11	13-G 574	.035"	1"	8,600	1	10

Double-row knot-twisted cup brushes *with ring*

Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.
5"	5/8"–11	13-G 584	.020"	1"	8,600	1	10

Goggles
Clear Perforated Frame
by WASIP
see page 734

For angle grinders

Designed for high performance brushing of large flat surfaces. They are made from top quality oil hardened and tempered wire for maximum operator safety and fast brushing action. All cup brushes are equipped with threaded arbors for quick and easy mounting.

WALTER Surface Technologies

Crimped

STEEL

Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
3"	M10 × 1.25	13-D 300	.0118"	12,000	1	10
3"	M14 × 2.0	13-D 302	.0118"	12,000	1	10
3"	⅝"–11	13-D 304	.0118"	12,000	1	10
5"	⅝"–11	13-E 504	.020"	8,600	1	10

Crimped

STAINLESS ALUMINUM

3"	M14 × 2.0	13-D 312	.0118"	12,000	1	10
3"	⅝"–11	13-D 314	.0118"	12,000	1	10
5"	⅝"–11	13-E 514	.020"	8,600	1	10

Knot-twisted

STEEL

Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
3"	M10 × 1.25	13-F 300	.015"	12,000	1	10
3"	M10 × 1.5	13-F 301	.015"	12,000	1	10
3"	M14 × 2.0	13-F 302	.015"	12,000	1	10
3"	½"–13	13-F 303	.015"	12,000	1	10
3"	⅝"–11	13-F 304	.015"	12,000	1	10
3"	⅝"–11	13-F 354	.020"	12,000	1	10

Knot-twisted

STAINLESS ALUMINUM

3"	M10 × 1.25	13-F 310	.015"	12,000	1	10
3"	M14 × 2.0	13-F 312	.015"	12,000	1	10
3"	⅝"–11	13-F 314	.015"	12,000	1	10

Knot-twisted *with ring*

STEEL

Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.
3"	M14 × 2.0	13-G 302	.020"	½"	12,000	1	10
3"	½"–13	13-G 303	.020"	½"	12,000	1	10
3"	⅝"–11	13-G 304	.020"	½"	12,000	1	10
4"	⅝"–11	13-G 404	.020"	½"	8,600	1	10
5"	⅝"–11	13-G 504	.020"	½"	8,600	1	10
5"	⅝"–11	13-G 554	.035"	½"	8,600	1	10
6"	⅝"–11	13-G 604	.020"	½"	6,800	1	10

Knot-twisted *with ring*

STAINLESS ALUMINUM

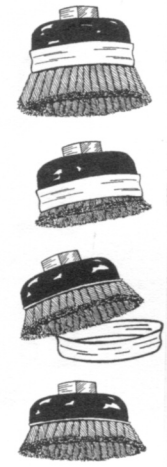
3"	M14 × 2.0	13-G 312	.020"	½"	12,000	1	10
3"	⅝"–11	13-G 314	.020"	½"	12,000	1	10
5"	⅝"–11	13-G 514	.020"	½"	8,600	1	10

Wire cup brushes

Hub color	Wire type
Orange	Made with premium carbon steel wire that is oil hardened and tempered for longest life and maximum brushing action.
Blue	Made with stainless steel #304 wire to help prevent contamination and surface rusting of brushed stainless steel parts. Also may be used on aluminum and other non-ferrous metals.

- Excellent for light surface cleaning, rust and paint removal, etc.

- Knot-twisted for heavy-duty brushing such as deburring, weld edge cleaning, removal of scale, spatter, heavy rust and corrosion, etc.



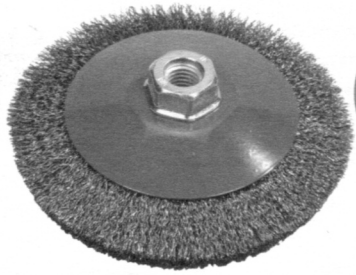
- Knot-twisted with safety supporting ring for heavy-duty brushing
- Safety supporting ring controls flaring to extend brush life. Once worn down to the ring, it can be removed to expose more wire for extra brush life

- For surface cleaning such as removing paint, rust and corrosion
- Tightly knotted for maximum impact and long brush life

SAUCER-CUP brushes

For angle grinders

These brushes combine the advantages of both wire cup and wire wheel brushes. They feature a unique saucer cup shape (built-in working angle of 45°) which allows them to work in hard to reach areas.



New

Crimped

Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.
4"	⅝"–11	13-H 454	.012"	½"	12,500	1	10
5"	⅝"–11	13-H 554	.012"	¾"	10,000	1	10
6"	⅝"–11	13-H 654	.012"	¾"	9,000	1	10

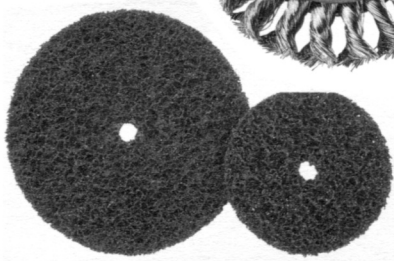
Knot-twisted

Dia.	Arbor	Order No.	Wire	Thick.	Max RPM	Std. Pkg.	Std. Ctn.
4"	⅝"–11	13-H 404	.015"	½"	20,000	1	10
5"	⅝"–11	13-H 504	.020"	½"	15,000	1	10
NEW 6"	⅝"–11	13-H 604	.020"	½"	12,500	1	10
7"	⅝"–11	13-H 704	.020"	½"	10,000	1	10

Knot-twisted

Dia.	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	⅝"–11	13-H 414	.015"	20,000	1	10
5"	⅝"–11	13-H 514	.020"	15,000	1	10
NEW 6"	⅝"–11	13-H 614	.020"	12,500	1	10
7"	⅝"–11	13-H 714	.020"	10,000	1	10

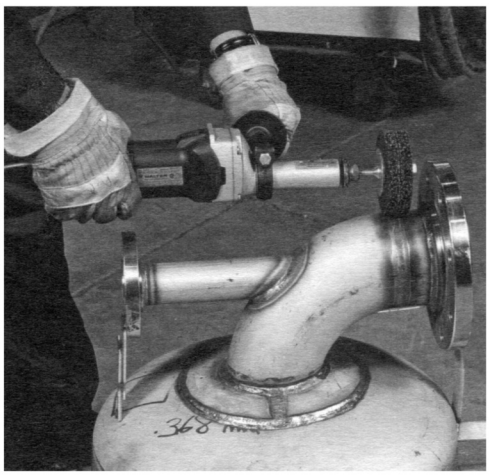
To convert brushes with ⅝"–11 arbor, please see page 99 for special threaded adaptors.



Cleaning wheels

Dia.	Width	Arbor	Order No.	Max RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4"	½"	½"	07-X 640	6,000	3,500 to 4,000	10	40
6"	½"	½"	07-X 660	4,000	2,400 to 2,700	10	40

- Use on edge — narrow contact area for maximum pressure
- Excellent for cleaning welds and stripping paint



WALTER Surface Technologies

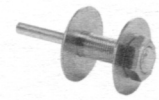
Accessories

Mounting accessories for 4" FX wheels

Mandrels for use on straight grinders and drills

¼" shaft — **Order No.** 07-X 004

8 mm shaft — **Order No.** 07-X 003



Mounting accessories for 6" FX wheels

Mandrels for use on straight grinders and drills

¼" shaft — **Order No.** 07-X 006

8 mm shaft — **Order No.** 07-X 005

Extension mandrels for use on angle grinders

M14 thread — **Order No.** 07-C 005

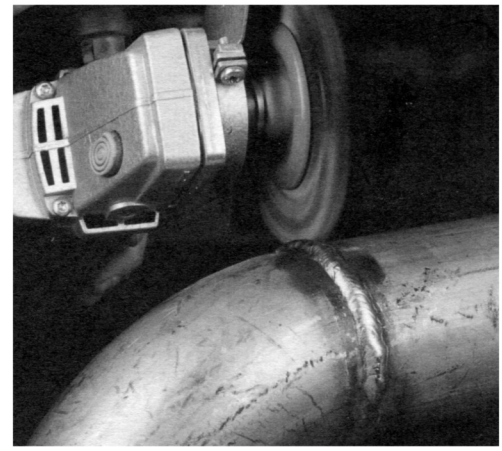
⅝"-11 thread — **Order No.** 07-C 006

WALTER
Surface Technologies

Wire wheel brushes

For angle grinders

They are made from top quality wire that is tightly knotted and each tuft is precisely positioned and set for perfect balance and vibration-free operation. Improved construction ensures maximum operator safety and fast material removal.



Stringer bead

STEEL

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	3/16"	5/8"–11	13-K 404	.020"	20,000	1	10
4 1/2"	3/16"	5/8"–11	13-K 454	.020"	15,000	1	10
5"	1/4"	5/8"–11	13-K 504	.020"	15,000	1	10
6"	1/4"	5/8"–11	13-K 604	.020"	10,000	1	10
6 7/8"	1/4"	5/8"–11	13-K 654	.020"	9,000	1	10

Stringer bead

STAINLESS ALUMINUM

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	3/16"	5/8"–11	13-K 414	.020"	20,000	1	10
4 1/2"	3/16"	5/8"–11	13-K 464	.020"	15,000	1	10
5"	1/4"	5/8"–11	13-K 514	.020"	15,000	1	10
6"	1/4"	5/8"–11	13-K 614	.020"	10,000	1	10

▶ Stringer bead brushes are extra narrow to clean pipe welds between passes, to brush in narrow grooves, etc.

Knot-twisted

STEEL

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	3/8"	5/8"–11	13-L 404	.020"	20,000	1	10
4 1/2"	3/8"	5/8"–11	13-L 454	.020"	15,000	1	10
5"	3/8"	5/8"–11	13-L 504	.020"	15,000	1	10
6"	3/8"	5/8"–11	13-L 604	.020"	10,000	1	10

Knot-twisted

STAINLESS ALUMINUM

Dia.	Width	Arbor	Order No.	Wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	3/8"	5/8"–11	13-L 414	.020"	20,000	1	10
4 1/2"	3/8"	5/8"–11	13-L 464	.020"	15,000	1	10
5"	3/8"	5/8"–11	13-L 514	.020"	15,000	1	10
6"	3/8"	5/8"–11	13-L 614	.020"	10,000	1	10

▶ Knot-twisted brushes are for surface cleaning after welding, to remove scale, spatter, rust and corrosion

Wire wheel brushes

For bench and pedestal grinders

These brushes are made from industrial quality wire perfectly balanced for smooth running and long life. They are most commonly used to remove paint, rust and corrosion, for light deburring and similar cleaning jobs.

- Crimped wire has optimal density for most effective brushing action
- For general surface cleaning and deburring applications

Crimped

Dia.	Width	Arbor	Order No.	Tool steel wire	Max RPM	Std. Pkg.	Std. Ctn.
4"	¾"	½"	13-B 040	.0118"	6,000	1	10
6"	¾"	1 ¼"*	13-B 065	.0118"	6,000	1	10
6"	⅞"	1 ¼"*	13-B 060	.0118"	6,000	1	10
6"	1 ⅛"	1 ¼" *	13-B 061	.0118"	6,000	1	10
7"	¾"	1 ¼" *	13-B 075	.0118"	6,000	1	10
7"	⅞"	1 ¼" *	13-B 070	.0118"	6,000	1	10
8"	¾"	1 ¼" *	13-B 085	.0118"	4,500	1	10
8"	1"	1 ¼" *	13-B 080	.0118"	4,500	1	10
10"	1"	1 ¼" *	13-B 100	.0118"	3,600	1	10

Crimped

Dia.	Width	Arbor	Order No.	Stainless steel wire	Max RPM	Std. Pkg.	Std. Ctn.
6"	¾"	1 ¼" *	13-B 165	.0118"	6,000	1	10
6"	⅞"	1 ¼" *	13-B 160	.0118"	6,000	1	10
8"	¾"	1 ¼" *	13-B 185	.0118"	4,500	1	10
8"	1"	1 ¼" *	13-B 180	.0118"	4,500	1	10

** All brushes with 1 ¼" arbor are equipped with a set of reducer bushings to fit the following shaft diameters: ½", ⅝", ¾", ⅞" and 1".*

Accessory

Replacement set of bushings
Complete set **Order No.** 13-B 015

Knot-twisted

Dia.	Width	Arbor	Order No.	Tool steel wire	Max RPM	Std. Pkg.	Std. Ctn.
6"	⅝"	1 ¼" **	13-B 260	.0118"	9,000	1	10
8"	⅝"	1 ¼" **	13-B 280	.0118"	8,500	1	10

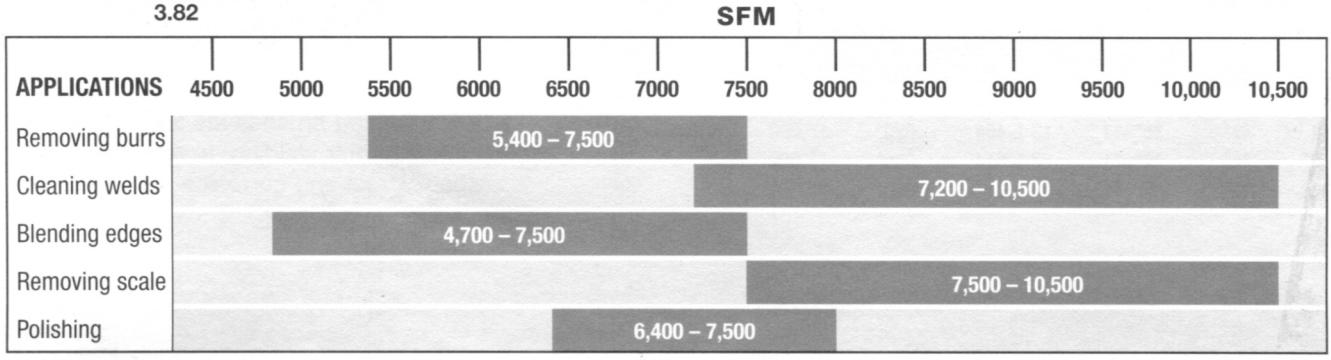
*** These brushes come with 1/2" reducer bushings.*

WALTER Surface Technologies

Choose the right speed for your application

TO CONVERT SURFACE FEET PER MINUTE (SFM) TO RPM:

$$SFM = \frac{DIAMETER \times RPM}{3.82}$$



Mounted wire brushes

For die grinders, 1/4" shaft. All brushes have color-coded hubs for easy identification.

Crimped

Type	Dia.	Width	Order No.	Tool steel wire	Max RPM	Std. Pkg.	Std. Ctn.
A	½"		13-C 003	.010"	25,000	1	10
A	½"		13-C 005	.020"	25,000	1	10
A	¾"		13-C 008	.014"	25,000	1	10
B	1 ⅜"	¼"	13-C 110	.008"	25,000	1	10
B	2"	⅝"	13-C 120	.0118"	25,000	1	10
B	3"	¼"	13-C 123	.0118"	12,000	1	10
B	3"	¾"	13-C 125	.0118"	12,000	1	10
B	4"	¼"	13-C 128	.0118"	6,000	1	10
C	1 ½"		13-C 015	.0118"	13,000	1	10
C	2 ⅜"		13-C 018	.0118"	13,000	1	10

Crimped

Type	Dia.	Width	Order No.	Stainless Steel Wire	Max RPM	Std. Pkg.	Std. Ctn.
A	½"		13-C 053	.010"	25,000	1	10
A	½"		13-C 055	.020"	25,000	1	10
A	¾"		13-C 058	.014"	25,000	1	10
B	1 ⅜"	¼"	13-C 160	.008"	25,000	1	10
B	2"	⅝"	13-C 170	.0118"	25,000	1	10
B	3"	¼"	13-C 173	.0118"	12,000	1	10
B	3"	¾"	13-C 175	.0118"	12,000	1	10
B	4"	¼"	13-C 178	.0118"	6,000	1	10
C	1 ½"		13-C 065	.0118"	13,000	1	10
C	2 ⅜"		13-C 068	.0118"	13,000	1	10

Knot-twisted

Type	Dia.	Width	Order No.	Tool steel wire	Max RPM	Std. Pkg.	Std. Ctn.
D	1 ⅛"		13-C 020	.020"	25,000	1	10
E	2 ¾"	⅜"	13-C 130	.020"	25,000	1	10
F	3"	½"	13-C 270	.020"	25,000	1	10
G	4"	½"	13-C 370	.020"	12,000	1	10

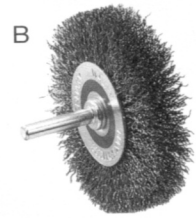
Knot-twisted

Type	Dia.	Width	Order No.	Stainless Steel Wire	Max RPM	Std. Pkg.	Std. Ctn.
D	1 ⅛"		13-C 070	.020"	20,000	1	10
E	2 ¾"	⅜"	13-C 180	.020"	20,000	1	10

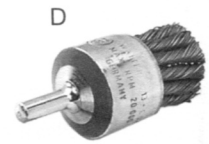
Double sided knot-twisted

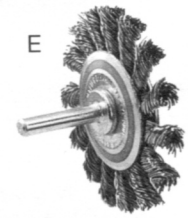
Type	Dia.	Width	Arbor	Order No.	Tool Steel Wire	Max RPM	Std. Pkg.	Std. Ctn.
E	3"	⅜"	⅜"- ½"	13-C 303	.0118"	25,000	1	10
E	4"	⅜"	½"- ⅝"	13-C 404	.0118"	20,000	1	10

Mandrels for double sided brushes, order no. 13-D 008 (for 13-C 303) and 13-D 009 (for 13-C 404).

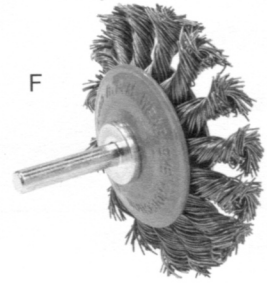


▶ Crimped wire for general surface cleaning, rust, scale and paint removal, etc.





▶ Knot-twisted wire for heavy-duty brushing such as deburring, removing heavy rust and corrosion, etc.



WALTER
Surface Technologies

Line-Mate III™ kit

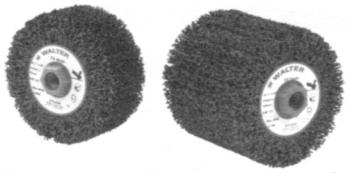
The Line-Mate III drum sander sets the standard for industrial line finishing. By combining power, endurance and operator comfort with the best in finishing abrasives, you can expect nothing but the best by choosing our Line-Mate III finishing kit!

Includes

1 Line-Mate III with standard equipment
1 carrying case
1 pneumatic drum
6 cloth drum belts (2 each grit 60, 80 and 120)
2 BLENDEX drum belts (coarse and medium)
1 TWO-IN-ONE drum (4 ¼" x 4")
1 BLENDEX drum (4 ¼" x 4" medium).

Model	Order No.	RPM	Spindle thread	Motor	Amps	Weight
6268 KIT	30-A 269	1,000–3,800	⅝"–11	120V A.C. only	12.4	16 lbs

WALTER
Surface Technologies

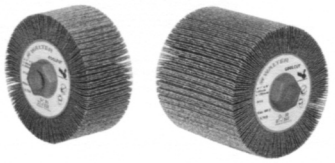


FX™ drums

STEEL STAINLESS ALUMINUM & ALLOYS

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	2"	⅝"–11	Coarse	07-L 420	3,800	1	10
4 ½"	4"	⅝"–11	Coarse	07-L 440	3,800	1	10

- Open web-like construction assures cool operation that resists loading
- Will strip paint with ease, remove rust and scale
- Firm coarse non-woven flaps for tough cleaning applications

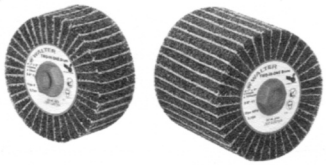


COOLCUT™ flap drums

STEEL STAINLESS ALUMINUM & ALLOYS

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ¼"	2"	⅝"–11	40	07-J 424	3,800	1	10
4 ¼"	2"	⅝"–11	60	07-J 426	3,800	1	10
4 ¼"	2"	⅝"–11	80	07-J 428	3,800	1	10
4 ¼"	2"	⅝"–11	120	07-J 432	3,800	1	10
4 ¼"	4"	⅝"–11	40	07-J 444	3,800	1	10
4 ¼"	4"	⅝"–11	60	07-J 446	3,800	1	10
4 ¼"	4"	⅝"–11	80	07-J 448	3,800	1	10
4 ¼"	4"	⅝"–11	120	07-J 452	3,800	1	10

- Ideal for graining and light metal removal and as a first step in the finishing process
- Will give a consistent and uniform finish
- Will not load or glaze



TWO-IN-ONE™ drums

STEEL STAINLESS ALUMINUM & ALLOYS

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	2"	⅝"–11	80	07-K 422	3,800	1	10
4 ½"	4"	⅝"–11	80	07-K 442	3,800	1	10

- Combine two finishing steps into one: The coated abrasive cloth cuts aggressively while the interleaved BLENDEX flaps produce a satin line finish

BLENDEX™ drums

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	2"	⅝"–11	Coarse	07-M 422	3,800	1	10
4 ½"	2"	⅝"–11	Medium	07-M 423	3,800	1	10
4 ½"	2"	⅝"–11	Fine	07-M 424	3,800	1	10
4 ½"	2"	⅝"–11	Super fine	07-M 425	3,800	1	10
4 ½"	4"	⅝"–11	Coarse	07-M 442	3,800	1	10
4 ½"	4"	⅝"–11	Medium	07-M 443	3,800	1	10
4 ½"	4"	⅝"–11	Fine	07-M 444	3,800	1	10
4 ½"	4"	⅝"–11	Super fine	07-M 445	3,800	1	10
4 ½"	4"	⅝"–11	Ultra fine	07-M 446*	3,800	1	10

*** Ultra-Fine HG (High Gloss) drums are ideal for enhancing and brightening existing finishes, taking out stains in metals and bringing out a new lustre in work surfaces.*

*07-M 442 and 07-M 443: Now with **"Perfect Brush Finish"** technology. Exclusive to Walter, this technology enhances the finish by providing a shadow-free finish right from the start.*

- Use them to polish, burnish, blend, deburr, clean and brighten stainless steel, aluminum, brass, copper and other alloys

WALTER Surface Technologies

Inox tape

Excellent for a perfect mitred corner finish

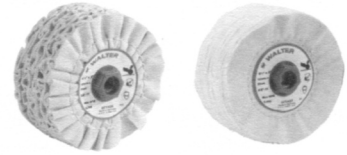
Length	Width	Thickness	Order No.	Std. Pkg.
16' ⅜"	1 ⅝"	5/32"	07-T 100	1

- Thin stainless steel tape with adhesive strip
- Use only on cool surfaces

BLENDEX HD™ drums

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 ½"	2"	⅝"–11	HD	07-M 411	3,800	1	10

- Blendex High Density (HD) drums are for demanding applications like deburring, working on outside corners or finishing square tubing as they are denser and have a longer life



Buffing drums

Dia.	Width	Arbor	Grit	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 ¾"	2"	⅝"–11	Cotton fold	07-T 425	3,800	1,700 to 2,200	1	10
4 ¾"	2"	⅝"–11	Multi-ply cotton	07-T 427	3,800	1,700 to 2,200	1	10

Use with polishing paste.

- Ideal for enhancing and brightening existing finishes, taking out stains in metals and bringing out a new lustre in work surfaces
- Use with the polishing pastes for a mirror finish

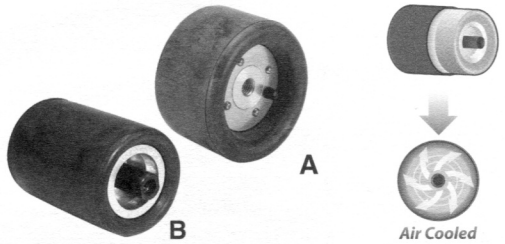
Accessories

White polishing paste
Approx. 600 g Grits 1200-1500
Order No. 07-T 901

Blue mirror finishing paste*
Approx. 650 g Grit 2000
Order No. 07-T 905

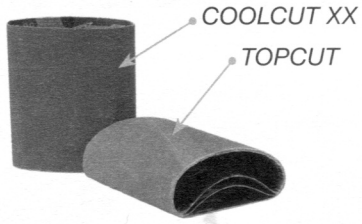
** Does not contain animal fat and is suitable for use by food processing industries.*

- Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants

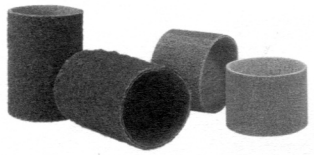


Put a cushion of air between your abrasives to:

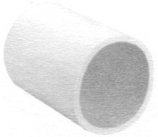
- Eliminate edge cutting and swirl marks
- Increase sandpaper life by reducing heat build-up
- Allow more flexibility – conforms to concave and convex surfaces



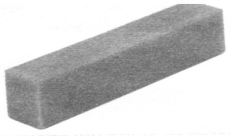
- Will create or restore line finishes, level off small welds, round corners, remove deep scratches, etc.
- Equipped with taped butt-joints for longer life and higher removal rate



- **Coarse:** For tough cleaning, removing rust and small scratches
- **Medium:** For conditioning and removing surface imperfections
- **Fine:** For fine surface refinements
- **Super fine:** Use as a last step before mirror finishing or to produce decorative finishes



- Popular applications include upgrading of #4 finishes, polishing to a food grade finish, repairing minor scratches, etc.



- Reclosable polishing paste tube with convenient push-through system to protect paste from contaminants

Pneumatic drums

Accessories

Photo	Width	Dia.	Arbor	Max. RPM	Order No.
A	3 ½"	5"	⅝"–11	3,800	07-F 037
B	5 ⅜"	3 ½"	⅝"–11	3,800	07-F 051
Extension for pneumatic drum A					08-B 009
Replacement rubber bladder assemblies					
3 ½" x 5" (for drum A)					07-F 093
5 ⅜" x 3 ½" (for drum B)					07-F 095
Drum Inflator					07-F 014
Valve core for both drums					07-F 013

TOPCUT™ and COOLCUT XX™ Cloth drum belts

Width	Length	Diameter	Grit	Order No.	Min. Pkg.	Std. Ctn.
3 ½"	15 ½"	5"	40 TOPCUT	07-F 364	5	100
3 ½"	15 ½"	5"	60 COOLCUT XX	07-F 366	5	100
3 ½"	15 ½"	5"	80 COOLCUT XX	07-F 368	5	100
3 ½"	15 ½"	5"	120 COOLCUT XX	07-F 371	5	100
5 ⅜"	11 ⅝"	3 ½"	40 TOPCUT	07-F 504	5	100
5 ⅜"	11 ⅝"	3 ½"	60 COOLCUT XX	07-F 506	5	100
5 ⅜"	11 ⅝"	3 ½"	80 COOLCUT XX	07-F 508	5	100
5 ⅜"	11 ⅝"	3 ½"	120 COOLCUT XX	07-F 511	5	100

BLENDEX™ drum belts

Width	Length	Dia.	Grit	Order No.	Min. Pkg.	Std. Ctn.
3 ½"	15 ½"	5"	Coarse	07-H 362	1	10
3 ½"	15 ½"	5"	Medium	07-H 363	1	10
3 ½"	15 ½"	5"	Fine	07-H 364	1	10
3 ½"	15 ½"	5"	Super fine	07-H 365	1	10
5 ⅜"	11 ⅝"	3 ½"	Coarse	07-H 502	1	10
5 ⅜"	11 ⅝"	3 ½"	Medium	07-H 503	1	10
5 ⅜"	11 ⅝"	3 ½"	Fine	07-H 504	1	10
5 ⅜"	11 ⅝"	3 ½"	Super fine	07-H 505	1	10

Felt drum belt

Width	Length	Dia.	Color	Order No.	Min. Pkg.	Std. Ctn.
5 ⅜"	11 ⅝"	3 ½"	White	07-T 530	1	10

Accessory

Rubber cleaning stick
Prolongs life of drum belts by removing build-up **Order No.** 14-E 001

Accessories

White polishing paste
Approx. 600 g Grits 1200-1500
Order No. 07-T 901

Blue mirror finishing paste*
Approx. 650 g Grit 2000
Order No. 07-T 905

** Does not contain animal fat and is suitable for use by food processing industries.*

BLENDEX™ T-Lock belts

STEEL STAINLESS ALUMINUM & ALLOYS

Width	Length	Grit	Color	Order No.	Min. Pkg.	Std. Ctn.
1 3/16"	25"	Coarse	Tan	07-H 242	3	48
1 3/16"	25"	Medium	Maroon	07-H 243	3	48
1 3/16"	25"	Fine	Blue	07-H 244	3	48
1 3/16"	25"	Super fine	Grey	07-H 245	3	48

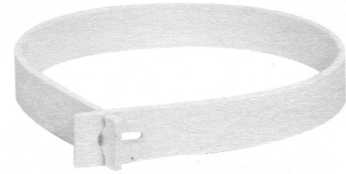
- Ideal for cleaning or finishing pipes, tubing and railings
- Will produce a new sheen to tarnished pipes
- Special T-Lock allows quick and easy access when finishing closed loop workpieces

T-Lock polishing felt belt

STEEL STAINLESS ALUMINUM & ALLOYS

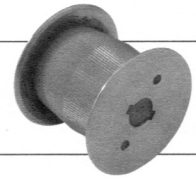
Width	Length	Color	Order No.	Min. Pkg.	Std. Ctn.
1 3/16"	24"	White	07-T 225	3	48

Use with polishing paste.



Accessory

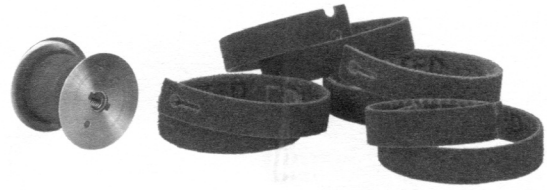
Belt drive roller
3 1/4" x 2 3/4" x 5/8"-11 **Order No.** 07-F 002



Hand rail finishing kit

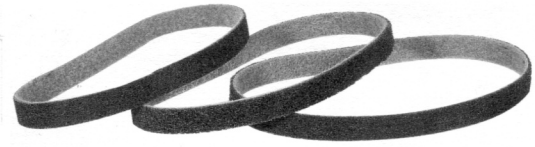
Order No. 07-H 992

Includes: 1 belt drive roller, 4 BLENDEX strip belts (1 coarse, 1 medium, 1 fine, 1 super fine). To be used with Line-Mate III drum sander.



Non-woven abrasive file belts

Assortment of non-woven abrasive file belts made with special reinforced nylon and abrasive grain to achieve a consistent and uniform finish. Conform to irregular surfaces with minimal smearing and discoloration of the workpiece.



BLENDEX+™ file belts

STEEL STAINLESS ALUMINUM

Width	Length	Grit	Order No.	Min. Pkg.	Std. Ctn.
1/2"	18"	Coarse	07-D 032	10	50
1/2"	18"	Medium	07-D 033	10	50
1/2"	18"	Very fine	07-D 034	10	50
1/2"	24"	Coarse	07-D 052	10	50
1/2"	24"	Medium	07-D 053	10	50
1/2"	24"	Very fine	07-D 054	10	50
3/4"	18"	Coarse	07-D 102	10	50
3/4"	18"	Medium	07-D 103	10	50
3/4"	18"	Very fine	07-D 104	10	50
3/4"	24"	Coarse	07-D 122	10	50
3/4"	24"	Medium	07-D 123	10	50
3/4"	24"	Very fine	07-D 124	10	50

- Will not gouge or burn surfaces
- Specially formulated to resist loading and heat build-up
- Very flexible and suitable for edge finishing
- High performance butt joint eliminates breakage

WALTER
Surface Technologies

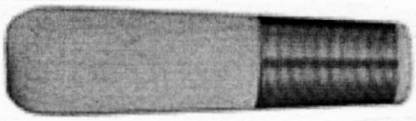
HandPower

Upward Tool Group

Flat Hand Files

General Purpose files used for Rapid removal of metal. These files have a rectangular shaped cross-section, tapered In width with Double-Cut faces and single-cut edges.

HF-FB4	4"	Bastard
HF-FB6	6"	Bastard
HF-FB8	8"	Bastard
HF-FB10	10"	Bastard
HF-FB12	12"	Bastard
HF-FB14	14"	Bastard
HF-FSC4	4"	2nd Cut
HF-FSC6	6"	2nd Cut
HF-FSC8	8"	2nd Cut
HF-FSC10	10"	2nd Cut
HF-FSC12	12"	2nd Cut
HF-FSC14	14"	2nd Cut
HF-FS10	10"	Smooth
HF-FS12	12"	Smooth
HF-FS14	14"	Smooth
HF-FS4	4"	Smooth
HF-FS6	6"	Smooth
HF-FS8	8"	Smooth



Wooden Files Handles

Seasoned white birch with a tightly wound wire ferrule. Ideal for hand files, lathe tools, and soldering irons.

Cat. No.	File Sizes
HF-FH1	2-4"
HF-FH2	4-6"
HF-FH3	6-8"
HF-FH4	8-12"
HF-FH5	12-16"
HF-FH6	16-20"

Half Round Hand Files

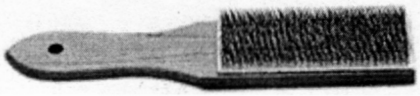
Used for filing concave, covex, and Flat surfaces. These files are tapered in width and have one rounded side and one flat side, both double cut. (Smooth cuts have single cut backs.).

Cat. No.	Size	Cut
HF-HFB4	4"	Bastard
HF-HFB6	6"	Bastard
HF-HFB8	8"	Bastard
HF-HFB10	10"	Bastard
HF-HFB12	12"	Bastard
HF-HFB14	14"	Bastard
HF-HFSC4	4"	2nd Cut
HF-HFSC6	6"	2nd Cut
HF-HFSC8	8"	2nd Cut
HF-HFSC10	10"	2nd Cut
HF-HFSC12	14"	2nd Cut
HF-HFSC14	14	2nd Cut
HF-HFS4	4"	Smooth
HF-HFS6	6"	Smooth
HF-HFS8	8"	Smooth
HF-HFS10	10"	Smooth
HF-HFS12	12"	Smooth
HF-HFS14	14"	Smooth

1/2 Round Pipeliner Files

Ideal for filing curved surfaces.

Cat. No.	OAL"	Cut
HF-HRP12	12"	2nd Cut
HF-HRP14	14"	2nd Cut



File Cleaning Brush

Wooden handle w/ hang hole and wire bristles.

Cat. No.
HF-FB23290

Hand Files

Similar to Flat Hand files used for Rapid removal of metal. These files have a rectangular shaped cross-section, parallel in width, with double-cut faces and one single-cut edge and one safe edge.

Cat. No.	Size	Cut
HF-HFB4	4"	Bastard
HF-HFB6	6"	Bastard
HF-HFB8	8"	Bastard
HF-HFB10	10"	Bastard
HF-HFB12	12"	Bastard
HF-HFB14	14"	Bastard
HF-HFSC4	4"	2nd Cut
HF-HFSC6	6"	2nd Cut
HF-HFSC8	8"	2nd Cut
HF-HFSC10	10"	2nd Cut
HF-HFSC12	12"	2nd Cut
HF-HFSC14	14	2nd Cut
HF-HFS4	4"	Smooth
HF-HFS6	6"	Smooth
HF-HFS8	8"	Smooth
HF-HFS10	10"	Smooth
HF-HFS12	12"	Smooth
HF-HFS14	14"	Smooth

Safety Glasses, Light Duty JS200, by DEGIL™ "Good"

see page 733

HandPower

Taper Saw Files

Used to file saws with 60° angle teeth. Trangular shaped cross-section is tapered in width, with single-cut faces. All edges are set and cut for filing gullets.

Cat. No.	Size	Cut
HF-TS23540	8"	Regular
HF-TS23541	8"	Slim
HF-TS23542	8"	X Slim
HF-TS23543	8"	XX Slim

Axe File

Double cut on one side, single cut on the other, with two safe edges.

Cat. No.	OAL "	Cut
HF-AF23283	12"	2nd Cut

Farmer's Friend File

Single cut on both sides, with two safe edges.

Cat. No.	OAL"	Cut
HF-FF23281	12"	2nd Cut

Handy File

Double cut on one side, single cut on the other, with one cut edge and one safe edge.

Cat. No.	OAL"	Cut
HF-HF23284	12"	2nd Cut

HandPower

Square Hand Files

Used for filing slots & keyways. The section tapers slightly towards the point and are double-cut on both Sides.

Cat. No.	Size	Cut
HF-SQB4	4"	Bastard
HF-SQB6	6"	Bastard
HF-SQB8	8"	Bastard
HF-SQB10	10"	Bastard
HF-SQB12	12"	Bastard
HF-SQB14	14"	Bastard
HF-SQSC4	4"	2nd Cut
HF-SQSC6	6"	2nd Cut
HF-SQSC8	8"	2nd Cut
HF-SQSC10	10"	2nd Cut
HF-SQSC12	12"	2nd Cut
HF-SQSC14	14"	2nd Cut
HF-SQS4	4"	Smooth
HF-SQS6	6"	Smooth
HF-SQS8	8"	Smooth
HF-SQ10	10	Smooth
HF-SQS12	12"	Smooth
HF-SQS14	14"	Smooth

Chainsaw Files

Used for filing the gullets of chainsaws. Chainsaw files have circular shaped cross-sections, parallel in width. (in plastic pouches)

Cat. No.	Size	Section
HF-CF23500	8"	5/32"
HF-CF23502	8"	3/16"
HF-CF23504	8"	7/32"
HF-CF23506	8"	1/4"
HF-CF23508	8"	9/32"
HF-CF23510	8"	5/16"
HF-CF23512	8"	3/8"

HandPower

Upward Tool Group

Round Hand Files

For filing cocave surfaces and circular openings.Round section tapers slightly toward point.

Cat. No.	Size	Cut
HF-RB4	4"	Bastard
HF-RB6	6"	Bastard
HF-RB8	8"	Bastard
HF-RB10	10"	Bastard
HF-RB12	12"	Bastard
HF-RB14	14"	Bastard
HF-RSC4	4"	2nd Cut
HF-RSC6	6"	2nd Cut
HF-RSC8	8"	2nd Cut
HF-RSC10	10"	2nd Cut
HF-RSC12	12"	2nd Cut
HF-RSC14	14"	2nd Cut
HF-RS4	4"	Smooth
HF-RS6	6"	Smooth
HF-RS8	8"	Smooth
HF-RS10	10"	Smooth
HF-RS12	12"	Smooth
HF-RS14	14"	Smooth

1/2 Round Wood Rasps

Used to file concave, convex as well as flat wood surfaces. These rasps have one side rounded, one side flat, and are tapered in width, with rasp cuts on flats and backs.

Cat. No.	Sizes	Cut
HF-WR23550	8"	Bastard
HF-WR23552	10"	Bastard
HF-WR23554	12"	Bastard
HF-WR23556	14"	Bastard