

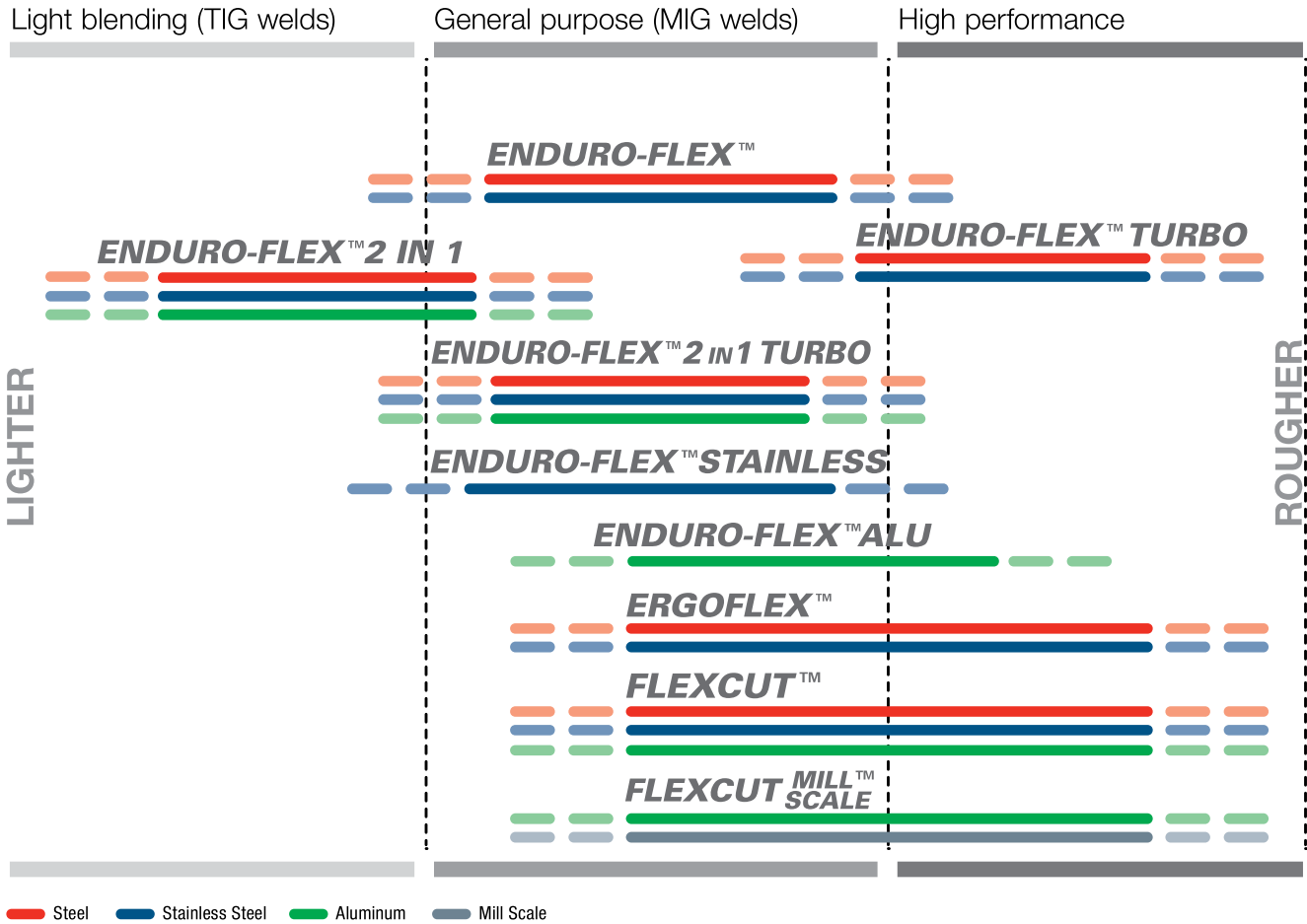


04

BLENDING

BLENDING PRODUCTS AT A GLANCE

RECOMMENDED BY TYPE OF USAGE



Our **Enduro-Flex** flap discs feature trimmable backings made with our proprietary **ECO-TRIM** wood fiber backing material. When the flaps wear down to the outer diameter of the backing, trim away 1/4" of the backing at a time (up to three times total) to expose fresh abrasive grain, extending disc life and giving you a fresh new cutting edge.



* Results based on a 5" Enduro-Flex used on steel.

* Trimmed once

*Trimmed twice



ENDURO-FLEX™

The longest life and highest overall material removal in the industry

ENDURO-FLEX™ outperforms all competitive flap discs thanks to its innovative design and exclusive abrasive grain blend. Featuring an ECO-TRIM™ backing that can be trimmed back to extend disc life, ENDURO-FLEX™ is the longest lasting flap disc in the industry and removes more material than any competitive flap disc. Your employees will spend more time getting the job done and less time making trips to the tool crib, saving you time and money while maximizing your productivity.

THE LONGEST LIFE FLAP DISC ON THE MARKET



- ▷ Longest lasting flap disc on the market
- ▷ Highest overall material removal in the industry
- ▷ New Eco-Trim backing is easier to trim and environmentally friendly
- ▷ Remove welds and finish surfaces in one step
- ▷ Quiet, vibration-free grinding
- ▷ Lightweight

INCREASE YOUR REMOVAL RATE BY A MINIMUM OF 25% BY COMBINING YOUR ENDURO-FLEX TURBO™ WITH THE PRO 5 OR BIG 6 GRINDER!

See pages 173 and 174.



YouTube

Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

Accessory

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



TYPE 27S		SPIN-ON				
Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	40	06-B 454	13,300	10	40
4 1/2"	5/8"-11	60	06-B 456	13,300	10	40
4 1/2"	5/8"-11	80	06-B 458	13,300	10	40
4 1/2"	5/8"-11	120	06-B 462	13,300	10	40
5"	5/8"-11	40	06-B 504	12,200	10	40
5"	5/8"-11	60	06-B 506	12,200	10	40
5"	5/8"-11	80	06-B 508	12,200	10	40
5"	5/8"-11	120	06-B 512	12,200	10	40
6"	5/8"-11	40	06-B 604	10,200	10	40
6"	5/8"-11	60	06-B 606	10,200	10	40
6"	5/8"-11	80	06-B 608	10,200	10	40
6"	5/8"-11	120	06-B 612	10,200	10	40

Always use with flange 30-B 057.

TYPE 27						
Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	40	15-R 454	13,300	10	40
4 1/2"	7/8"	60	15-R 456	13,300	10	40
4 1/2"	7/8"	80	15-R 458	13,300	10	40
4 1/2"	7/8"	120	15-R 462	13,300	10	40
5"	7/8"	40	15-R 504	12,200	10	40
5"	7/8"	60	15-R 506	12,200	10	40
5"	7/8"	80	15-R 508	12,200	10	40
5"	7/8"	120	15-R 512	12,200	10	40
6"	7/8"	40	15-R 604	10,200	10	40
6"	7/8"	60	15-R 606	10,200	10	40
6"	7/8"	80	15-R 608	10,200	10	40
6"	7/8"	120	15-R 612	10,200	10	40
7"	7/8"	40	15-R 704	8,600	10	40
7"	7/8"	60	15-R 706	8,600	10	40
7"	7/8"	80	15-R 708	8,600	10	40
7"	7/8"	120	15-R 712	8,600	10	40

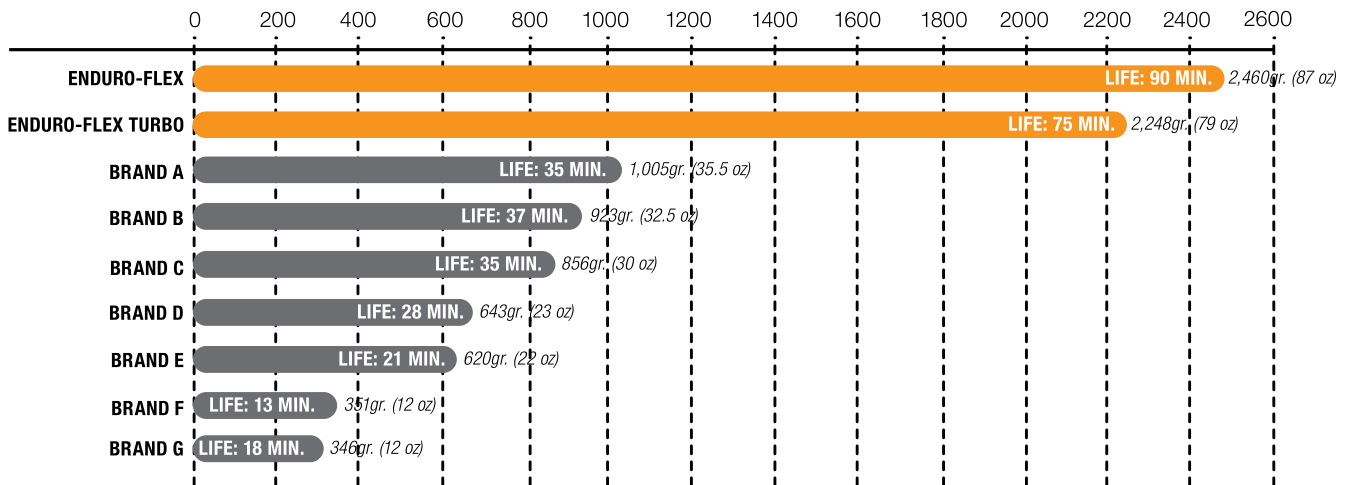
Always use with flange 30-B 057.

ENDURO-FLEX
THE LONGEST
LASTING
FLAP DISCS
ON THE
MARKET



ENDURO-FLEX
COMPARISON TEST BETWEEN 5" FLAP DISCS, GRIT 40

Tests were done using the PRO 5 grinder
Total quantity of grams (ounces) removed on steel



ENDURO-FLEX ALU™

High-performance flap disc for aluminum surfaces

Enduro-Flex ALU™ uses a superior zirconia alumina grain blend that is free of iron, sulfur and chlorine to achieve maximum results when blending on aluminum surfaces. It's built using a special coating for extra long life. Thanks to its high removal rates, and resistance to glaze buildup, Enduro-Flex ALU™ is the optimal choice for operators looking to enhance both quality and productivity when working with aluminum or other heat sensitive metals.



- ▷ *Specially formulated for performance and productivity on aluminum surfaces*
- ▷ *Special coating prevents load up and glazing and extends disc life*
- ▷ *Eco-Trim™ trimmable backing extends disc life by up to 3 times*

TYPE 27

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
7"	7/8"	40	15-U 704	8,600	10	40
7"	7/8"	60	15-U 706	8,600	10	40
7"	7/8"	80	15-U 708	8,600	10	40

Always use with flange 30-B 057.

TYPE 27S

SPIN-ON

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4-1/2"	5/8"-11	40	06-U 454	13,300	10	40
4-1/2"	5/8"-11	60	06-U 456	13,300	10	40
4-1/2"	5/8"-11	80	06-U 458	13,300	10	40
5"	5/8"-11	40	06-U 504	12,200	10	40
5"	5/8"-11	60	06-U 506	12,200	10	40
5"	5/8"-11	80	06-U 508	12,200	10	40
6"	5/8"-11	40	06-U 604	10,200	10	40
6"	5/8"-11	60	06-U 606	10,200	10	40
6"	5/8"-11	80	06-U 608	10,200	10	40

Always use with flange 30-B 057.






ENDURO-FLEX™ STAINLESS

Guaranteed not to contaminate stainless steel

ENDURO-FLEX™ Stainless offers all the benefits of the standard ENDURO-FLEX™ with a formula free of iron, sulfur and chlorine to meet quality control objectives in sensitive operations. ENDURO-FLEX™ Stainless is the flap disc of choice for workers nationwide for blending applications on stainless steel and other heat sensitive alloys.




CONSISTENT FINISH
WITHOUT DISCOLORATION



TYPE 27S  **SPIN-ON**  **Fe-S-Cl <0.1%**  Inox.

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	40	06-F 454	13,300	10	40
4 1/2"	5/8"-11	60	06-F 456	13,300	10	40
4 1/2"	5/8"-11	80	06-F 458	13,300	10	40
4 1/2"	5/8"-11	120	06-F 462	13,300	10	40
5"	5/8"-11	40	06-F 504	12,200	10	40
5"	5/8"-11	60	06-F 506	12,200	10	40
5"	5/8"-11	80	06-F 508	12,200	10	40
5"	5/8"-11	120	06-F 512	12,200	10	40
6"	5/8"-11	40	06-F 604	10,200	10	40
6"	5/8"-11	60	06-F 606	10,200	10	40
6"	5/8"-11	80	06-F 608	10,200	10	40
6"	5/8"-11	120	06-F 612	10,200	10	40

Always use with flange 30-B 057.

TYPE 27   **Fe-S-Cl <0.1%**  Inox.

Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	40	15-Q 454	13,300	10	40
4 1/2"	7/8"	60	15-Q 456	13,300	10	40
4 1/2"	7/8"	80	15-Q 458	13,300	10	40
4 1/2"	7/8"	120	15-Q 462	13,300	10	40
5"	7/8"	40	15-Q 504	12,200	10	40
5"	7/8"	60	15-Q 506	12,200	10	40
5"	7/8"	80	15-Q 508	12,200	10	40
5"	7/8"	120	15-Q 512	12,200	10	40
7"	7/8"	40	15-Q 704	8,600	10	40
7"	7/8"	60	15-Q 706	8,600	10	40
7"	7/8"	80	15-Q 708	8,600	10	40
7"	7/8"	120	15-Q 712	8,600	10	40

Always use with flange 30-B 057.

- ▷ *Environmentally friendly*
- ▷ *Superior performance on all heat sensitive metals*
- ▷ *Will not load or glaze*
- ▷ *The coolest cutting action on stainless*
- ▷ *The fastest removal rate and best overall life on non-ferrous alloys*





ENDURO-FLEX 2-IN-1™ FINISHING DISC

One-step finishing

Enduro-Flex 2-in-1™ flap discs remove TIG welds and finish the surface in just one step, substantially reducing your finishing costs. Save time and reduce your inventory by using just one disc instead of two or more to perform the same job.

Long lasting

Developed to blend light TIG welds, break edges, blend and remove 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.

Tech tip!

SPEED To ensure the longest life and best performance, use at optimal speed of 4,000 to 6,000 RPM.

PRESSURE More pressure will increase removal rate while less pressure will improve the surface finish.

WORKING ANGLE For best performance, always use at a working angle of 4° to 10°. Never use flat.

▶ Allows operators to achieve a food grade finish

TYPE 27S		SPIN-ON				
Dia.	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	15-I 453	13,300	4,000 to 6,000	10	40
5"	5/8"-11	15-I 503	12,200	4,000 to 6,000	10	40



ENDURO-FLEX 2-IN-1™ TURBO FINISHING DISC

The most versatile and fastest finishing disc on the market

Achieving the ideal finish when blending welds has never been easier. With the new ENDURO-FLEX 2-in-1™ TURBO, remove material faster and get the finish you want in fewer steps. Designed for steel, stainless steel and aluminum, the ENDURO-FLEX 2-in-1™ TURBO provides unmatched versatility. Incorporating Walter's Cyclone™ Technology and high-tech Blendex™ Technology, the result is a smooth finish and product life that is simply unsurpassed.

Sanding flaps

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



BLENDX flaps

- ▶ Combination that gives great performance on aluminum
- ▶ Non-woven material, will not smear or contaminate the workpiece
- ▶ Tear resistant for longest life



Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

TYPE 27S		SPIN-ON				
Dia.	Arbor	Order No.	Max. RPM	Optimal RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	15-I 451	13,300	4,000 to 6,000	10	40
5"	5/8"-11	15-I 501	12,200	4,000 to 6,000	10	40

Always use with flange 30-B 057.

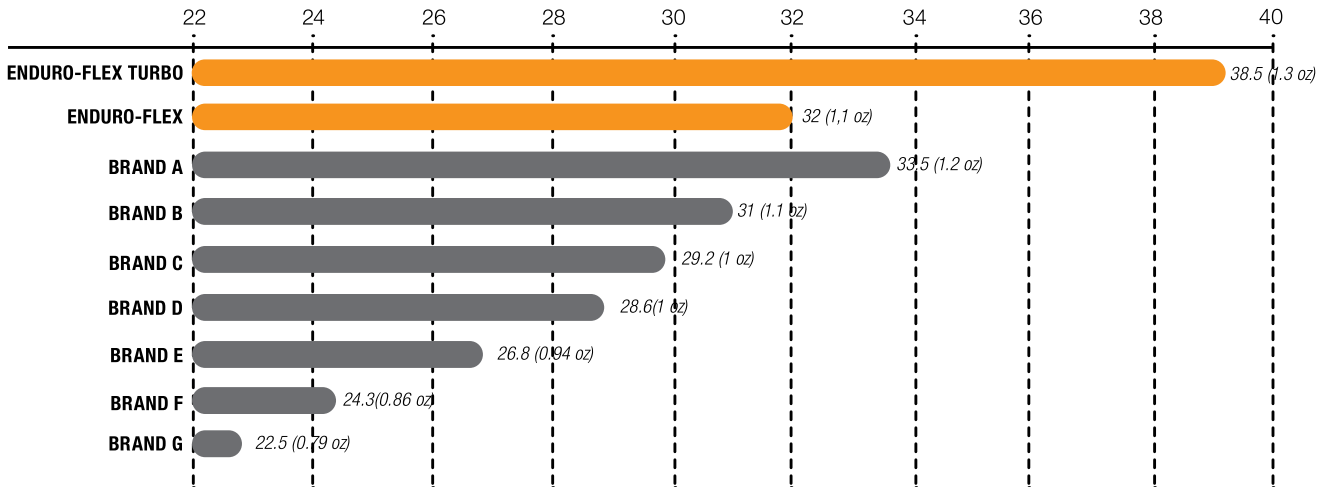


ENDURO-FLEX
TURBO

THE FASTEST
FLAP DISCS
ON THE
MARKET

ENDURO-FLEX TURBO
COMPARISON TESTS BETWEEN 5" FLAP DISCS

Tests were done using the PRO 5 grinder
Removal rate on steel - gr. (oz.)/min.





- ▷ Exclusive flap configuration and Cyclone™ Technology for ultra fast metal removal
- ▷ Turbofan™ Cooling keeps the workpiece cooler for longer disc life
- ▷ Guaranteed cost savings!

INCREASE YOUR REMOVAL RATE BY A MINIMUM OF 30% BY COMBINING YOUR ENDURO-FLEX TURBO WITH THE PRO 5 OR BIG 6 GRINDER!

See pages 173 and 174.






Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

ENDURO-FLEX TURBO™




The fastest cutting flap disc on the market

If time is money, then ENDURO-FLEX TURBO is worth its weight in gold. This extremely aggressive flap disc removes material like a 36 grit but leaves a 60 grit, paint-ready finish, saving you a valuable step in the finishing process. The innovative backing design allows air to cool the workpiece, increasing product life and minimizing heat transfer to the surface. Whether you are working with steel or stainless steel, ENDURO-FLEX TURBO will help you blend welds and break edges faster, guaranteed.

**HIGHEST
REMOVAL RATE
IN THE INDUSTRY**

TYPE 27S				SPIN-ON			  	
Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.		
4 1/2"	5/8"-11	06-A 452	36/60	13,300	10	40		
M 4 1/2"	5/8"-11 metal hub	06-A 457	36/60	13,300	10	40		
M 4 1/2"	5/8"-11	06-A 458	80	13,300	10	40		
5"	5/8"-11	06-A 502	36/60	12,000	10	40		
M 5"	5/8"-11	06-A 508	80	12,200	10	40		
6"	5/8"-11	06-A 602	36/60	10,200	10	40		
M 7"	5/8"-11 metal hub	06-A 707	36/60	8,600	10	40		

Always use with flange 30-B 057.

TYPE 27							  	
Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.		
4 1/2"	7/8"	06-A 462	36/60	13,300	10	40		
5"	7/8"	06-A 512	36/60	12,200	10	40		
7"	7/8"	06-A 712	36/60	8,600	10	40		

Always use with flange 30-B 057.



ERGOFLEX™

When employee safety and ergonomics are top priorities

ERGOFLEX™ is an abrasive that combines our proprietary Cyclone™ Technology grain blend with a Type 29 disc design to provide a solution for professionals looking to maximize workplace safety and ergonomics without sacrificing productivity. These wheels allow for a more comfortable working angle than Type 27 depressed center grinding wheels while minimizing the amount of noise and dust created during weld blending operations. The aggressive 36 grit abrasive grain blend also removes material quickly, allowing you to strike a perfect balance between comfort, safety and productivity.

- ▷ **Advanced Cyclone™ Technology abrasive grain blend removes material fast for improved productivity**
- ▷ **Designed for extremely smooth, comfortable blending of both flat and curved surfaces**
- ▷ **Reduces the amount of dust generated by 95% compared to traditional grinding wheels**
- ▷ **Reduces the level of noise generated by 50% compared to a traditional grinding wheel**
- ▷ **Less risk of gouging compared to traditional grinding wheels**

TYPE 29



Fe-S-CI
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	7/8"	36	15-T 453	13,300	25	200
4 1/2"	7/8"	60	15-T 456	13,300	25	200
4 1/2"	7/8"	80	15-T 458	13,300	25	200
5"	7/8"	36	15-T 503	12,200	25	200
5"	7/8"	60	15-T 506	13,000	25	200
5"	7/8"	80	15-T 508	13,000	25	200
6"	7/8"	36	15-T 603	10,200	25	100
6"	7/8"	60	15-T 606	10,200	25	100
6"	7/8"	80	15-T 608	10,200	25	100
7"	7/8"	36	15-T 703	8,600	25	100
7"	7/8"	60	15-T 706	8,600	25	100
7"	7/8"	80	15-T 708	8,600	25	100

Always use with flange 30-B 030.



Tech tip!

Use with backing flange set 30-B 030 for best results. (Each pack of 25 comes with one backing flange set for your convenience)



30-B 030



30-B 031

Accessories

Backing flange set	Order No. 30-B 030
Ergoflange 1/4" (6 mm) Pack of 5	Order No. 30-B 031

FLEXCUT™

Premium performance on curved or uneven surfaces

FLEXCUT™, the leading flexible grinding wheel for over 25 years, is specially formulated to deliver superior removal on all ferrous and non-ferrous metals without clogging or loading.



TYPE 29



Fe-S-CI
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
3"	3/8"	A-36-X-FLEX	15-L 303	* 20,400	25	200
3"	3/8"	A-60-X-FLEX	15-L 306	* 20,400	25	200
4 1/2"	7/8"	A-36-X-FLEX	15-L 463	13,300	25	200
5"	7/8"	A-36-X-FLEX	15-L 513	12,200	25	200
5"	7/8"	A-60-X-FLEX	15-L 516	12,200	25	200
7"	7/8"	A-24-X-FLEX	15-L 702	8,600	25	100
7"	7/8"	A-36-X-FLEX	15-L 703	8,600	25	100
7"	7/8"	A-60-X-FLEX	15-L 706	8,600	25	100
7"	7/8"	A-100-X-FLEX	15-L 710	8,600	25	100

*Use with 1/4" mandrel 11-L 007.

Always use SPIN-ON wheels with flange 30-B 057.

BLENDERS IN PERFECTLY
ON UNEVEN SURFACES
AND WILL NEVER CLOG
ON ALUMINUM



TYPE 29S



SPIN-ON



Fe-S-CI
<0.1%



Dia.	Arbor	Grit	Order No.	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	A-36-X-FLEX	15-L 453	13,300	25	100
4 1/2"	5/8"-11	A-60-X-FLEX	15-L 456	13,300	25	100
4 1/2"	5/8"-11	A-100-X-FLEX	15-L 460	13,300	25	200
5"	5/8"-11	A-36-X-FLEX	15-L 503	12,200	25	100
5"	5/8"-11	A-60-X-FLEX	15-L 506	12,200	25	100
5"	5/8"-11	A-100-X-FLEX	15-L 510	12,200	25	200
6"	5/8"-11	A-24-X-FLEX	15-L 602	10,200	25	200
6"	5/8"-11	A-36-X-FLEX	15-L 603	10,200	25	200
6"	5/8"-11	A-60-X-FLEX	15-L 606	10,200	25	200

Deep Diamond-Cut™ pattern and optimized formulation offer:

- ▷ **More flexibility**
- ▷ **Best handling on flat and curved surfaces**
- ▷ **Cooler grinding**
- ▷ **Better stock removal in all materials (steel, stainless steel, aluminum)**








Video available at The Walter Network
www.youtube.com/user/TheWalterNetwork

FLEXCUT MILL SCALE™

Quick, consistent removal of mill scale






Are you tired of changing out wheels every few minutes as they glaze over or clog during mill scale removal? FLEXCUT MILL SCALE™ is a flexible grinding wheel designed to last longer and remove mill scale quicker than any other abrasive. That's because FLEXCUT MILL SCALE™ is the first abrasive ever designed exclusively for the purpose of removing mill scale from hot rolled steel. Save time and quit throwing away wheels every few minutes. Switch to FLEXCUT MILL SCALE™ today for easy removal of mill scale and rust.



TYPE 29S  **SPIN-ON**    

Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
4 1/2"	5/8"-11	15-L 843	A-36-FLEX	13,300	25	100
5"	5/8"-11	15-L 853	A-36-FLEX	12,200	25	200
6"	5/8"-11	15-L 863	A-36-FLEX	10,200	25	100

Always use SPIN-ON wheels with flange 30-B 057.

TYPE 29     

Dia.	Arbor	Order No.	Grade	Max. RPM	Std. Pkg.	Std. Ctn.
7"	1/8"	15-L 873	A-36-FLEX	8,600	25	100

- ▷ *Unique blend of highly refined abrasives allows ultra quick cutting action without glazing or clogging*
- ▷ *Open diamond cut pattern prevents 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*



Video available at [The Walter Network](http://TheWalterNetwork.com)
www.youtube.com/user/TheWalterNetwork

