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ABRASIVE

ABRASIVE PRODUCTS



ABRASIVE WHEEL

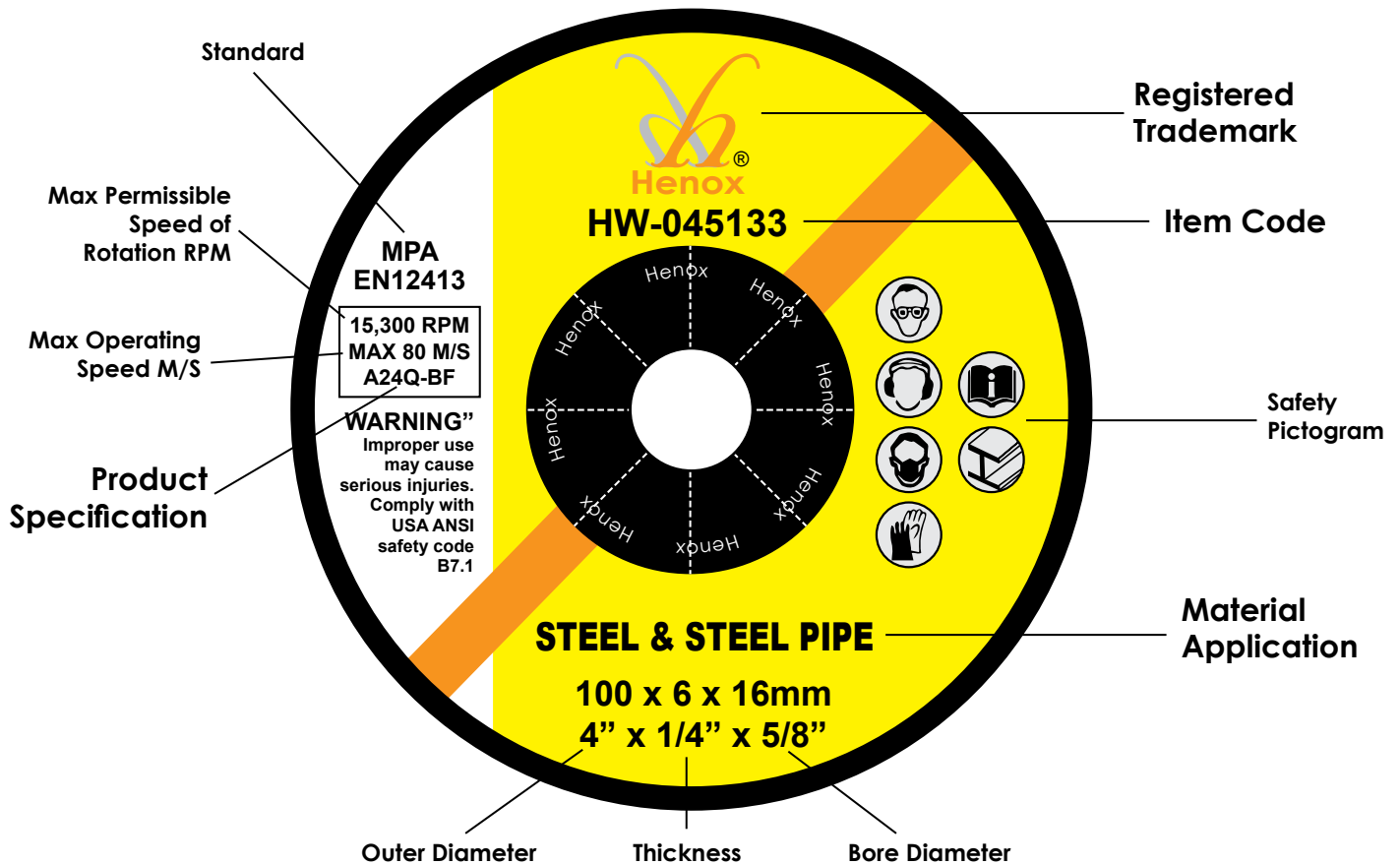
ABRASIVE WHEEL

Henox offers an extensive range of professional high performance wheels suitable for cutting and grinding a wide variety of materials, including steel, stainless steel and stone – with a full range of sizes for angle grinders, petrol saws, chop saws and fixed machines up to and including 400mm diameter.

SELECTING THE RIGHT PRODUCT

Henox Cutting and Grinding Wheels come in a range of sizes from 100mm to 230mm for use on portable angle grinders, and 300mm to 400mm for use on petrol saws, chop saws and stationary machines. They are available in 3 different types, 27, 41, and 42. All Type 27 wheels should be used for grinding whilst all type 41 should be used for cutting. Type 42 wheels permit both cutting and light grinding for pipeline and structural steel. The wheel type can be easily identified by the following pictograms which appear next to the tables in the catalogue as well as on the products themselves.





Wear safety glasses



Use ear muffs



Wear a dust mask



Wear safety gloves



Read the instruction



Do not use for side grinding



Application



SAFETY INFORMATION

WARNING: Improper Use May Cause Breakage And Serious Injury.

✓ DO:

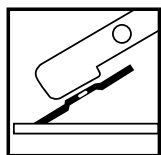
- Always handle and store all wheels in a very careful manner
- Visually check all wheels for damage or cracks before mounting and using
- Make sure machine speed does not exceed the maximum operating speed marked on the wheel or on the box
- Using mounting flanges that are clean, flat or equal size and proper type for the wheel
- Always use a machine safety guards
- Allow newly mounted wheel to run for one minute in a protected area before using
- Always wear eye protection, protective clothing, safety gloves, and dust respirator
- Use backup pad if required
- Prevent the dust from scattering and provide adequate ventilation to protect operators from respiratory diseases.

✗ DON'T:

- Do not use wheels that have been subjected to excessive humidity, moisture or temperature
- Do not use wheels that have been dropped or appear to have been damaged
- Do not force a wheel onto the machine or alter the hole size
- Do not tighten the mounting nut excessively
- Do not exceed the maximum operating speed marked on wheels
- Do not stand directly in front of wheel when machine is started
- Do not grind or cut material for which the wheel is not designed
- Do not use grind wheel for cutting or notching
- Do not use cutting wheel for grinding
- Do not grind or cut without proper protective equipment

ABRASIVE WHEEL FOR METAL

Type 27 Depressed Centre Grinding Wheel



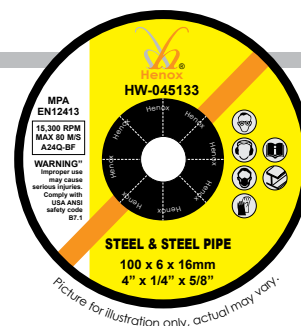
Type 27

General Purpose

- High quality aluminum oxide grain has been used to achieve superior performance and speed when grinding structural steel and pipe
- Improve grinding time and reduces operator fatigue

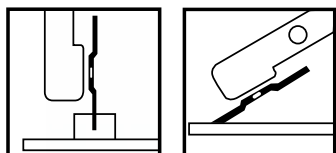
Application

- Ferrous Metals
- Structural Steel
- Pipe
- Rebar
- Malleable / Steel Cast



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-045133	4" X 1/4" X 5/8"	100 X 6 X 16	A24Q-BF	80	15,300	200
HW-055133	5" X 1/4" X 7/8"	125 X 6 X 22.23	A24Q-BF	80	12,250	100
HW-065133	6" X 1/4" X 7/8"	150 X 6 X 22.23	A24Q-BF	80	10,200	100
HW-075133	7" X 1/4" X 7/8"	180 X 6 X 22.23	A24Q-BF	80	8,500	50
HW-095133	9" X 1/4" X 7/8"	230 X 6 X 22.23	A24Q-BF	80	6,650	50

Type 42 Depressed Centre Cutting-Off Wheel



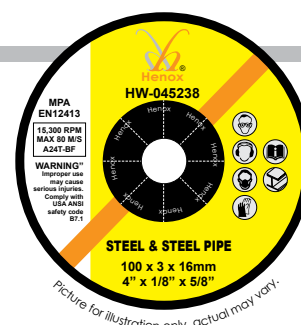
Type 42

General Purpose

- High quality aluminum oxide grain wheel has been specifically reinforced as a combination wheel to safely permit both cutting and light grinding for pipeline and structural steel

Application

- Ferrous Metals
- Structural Steel
- Pipe



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-045238	4" X 1/8" X 5/8"	100 X 3 X 16	A24T-BF	80	15,300	200
HW-055238	5" X 1/8" X 7/8"	125 X 3 X 22.23	A24T-BF	80	12,250	100
HW-065238	6" X 1/8" X 7/8"	150 X 3 X 22.23	A24T-BF	80	10,200	100
HW-075238	7" X 1/8" X 7/8"	180 X 3 X 22.23	A24T-BF	80	8,500	100
HW-095238	9" X 1/8" X 7/8"	230 X 3 X 22.23	A24T-BF	80	6,650	100

Type 42 Depressed Centre Cutting-Off Wheel | Flexible Grinding Wheels



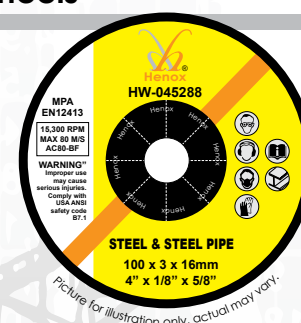
Type 42

General Purpose

- Combine the advantages of depressed center grinding wheels and resin fiber discs sanding discs
- Flexibility also enables a closer fit between the wheel and the job, which results in a smoother finish
- There is also less vibration and operator fatigue with a flexible grinding wheel

Application

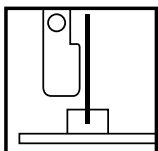
- Ferrous Metals
- Structural Steel
- Pipe



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-045288	4" X 1/8" X 5/8"	100 X 3 X 16	AC-80-BF	80	15,300	200

ABRASIVE WHEEL FOR METAL

Type 41 Flat Cutting-Off Wheel



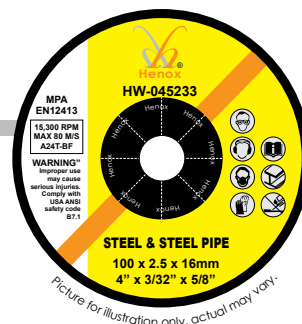
Type 41

General Purpose

- This cutting wheel has been specially developed by using high quality aluminum oxide grain to obtain high performance and efficiency in cutting for structural steel and pipeline.

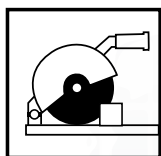
Application

- Ferrous Metals
- Structural Steel
- Pipe
- Bar & Rod
- Sheet Metal



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-045239	4" X 1/25" X 5/8"	100 X 1.0 X 16	A46T-BF	80	15,300	800
HW-045236	4" X 5/64" X 5/8"	100 X 2.0 X 16	A24T-BF	80	15,300	200
HW-045233	4" X 3/32" X 5/8"	100 X 2.5 X 16	A24T-BF	80	15,300	200
HW-055233	5" X 3/32" X 7/8"	125 X 2.5 X 22.23	A24T-BF	80	12,250	200
HW-065233	6" X 3/32" X 7/8"	150 X 2.5 X 22.23	A24T-BF	80	10,200	200
HW-075233	7" X 3/32" X 7/8"	180 X 2.5 X 22.23	A24T-BF	80	8,500	100
HW-095233	9" X 3/32" X 7/8"	230 X 2.5 X 22.23	A24T-BF	80	6,650	100

Type 41 Flat Cutting-Off Wheel



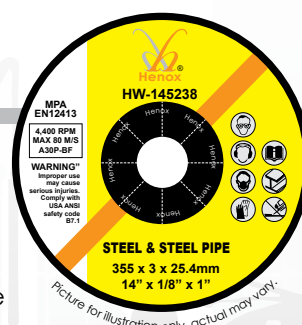
Type 41

General Purpose

- Designed to smoothly cut metals apart and to avoid glazing on harder materials on low powered cut-off machines.
- Ideal for a wide variety of shapes and thickness

Application

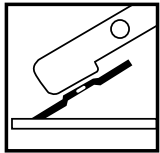
- Ferrous Metals
- Light or Heavier Structural Steel
- This-wall Tubing / Pipe
- Small Solid Bar & Rod



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-125238	12" X 1/8" X 1"	300 X 3.0 X 25.40	A30P-BF	80	5,100	25
HW-145238	14" X 1/8" X 1"	355 X 3.0 X 25.40	A30P-BF	80	4,400	25
HW-165238	16" X 1/8" X 1"	405 X 3.0 X 25.40	A30P-BF	80	3,850	25

ABRASIVE WHEEL FOR STAINLESS STEEL

Type 27 Depressed Centre Grinding Wheel



Type 27

General Purpose

- High quality aluminum oxide grain has been used to achieve superior performance and speed when grinding of ferrous metals.
- Improve grinding time and reduces operator fatigue

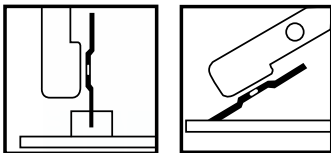
Application

- Ferrous metals
- Welds
- Structural Steel
- Stainless steel
- Iron Free
- Pipe
- Rebar
- Malleable / Steel Cast



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-046188	4" X 1/4" X 5/8"	100 X 6 X 16	A30R-BF	80	15,300	200
HW-056188	5" X 1/4" X 7/8"	125 X 6 X 22.23	A30R-BF	80	12,250	100
HW-066188	6" X 1/4" X 7/8"	150 X 6 X 22.23	A30R-BF	80	10,200	100
HW-076188	7" X 1/4" X 7/8"	180 X 6 X 22.23	A30R-BF	80	8,500	50
HW-096188	9" X 1/4" X 7/8"	230 X 6 X 22.23	A30R-BF	80	6,650	50

Type 42 Depressed Centre Cutting-Off Wheel



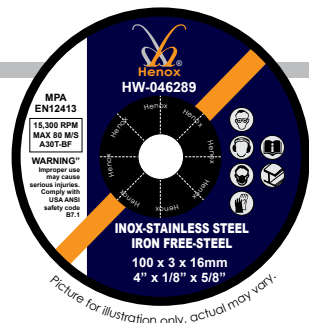
Type 42

General Purpose

- High quality aluminum oxide grain wheel has been specifically reinforced as a combination wheel to safely permit both cutting and light grinding.

Application

- Ferrous metals
- Welds
- Structural Steel
- Sheet Metal
- Pipe
- Stainless steel
- Iron Free



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-046289	4" X 1/8" X 5/8"	100 X 3 X 16	A30T-BF	80	15,300	200
HW-056289	5" X 1/8" X 7/8"	125 X 3 X 22.23	A30T-BF	80	12,250	100
HW-066289	6" X 1/8" X 7/8"	150 X 3 X 22.23	A30T-BF	80	10,200	100
HW-076289	7" X 1/8" X 7/8"	180 X 3 X 22.23	A30T-BF	80	8,500	100
HW-096289	9" X 1/8" X 7/8"	230 X 3 X 22.23	A30T-BF	80	6,650	100

Type 42 Depressed Centre Cutting-Off Wheel | Flexible Grinding Wheels



Type 42

General Purpose

- Combine the advantages of depressed center grinding wheels and resin fiber discs sanding discs
- Flexibility also enables a closer fit between the wheel and the job, which results in a smoother finish
- There is also less vibration and operator fatigue with a flexible grinding wheel

Application

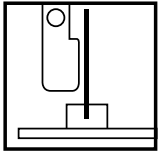
- Ferrous Metals
- Structural Steel
- Pipe



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-046299	4" X 1/8" X 5/8"	100 X 3 X 16	WA80R-BF	80	15,300	200

ABRASIVE WHEEL FOR STAINLESS STEEL

Type 41 Flat Cutting-Off Wheel



Type 41

General Purpose

- This cutting wheel has been specially developed by using high quality aluminum oxide grain to obtain high performance and efficiency in cutting.

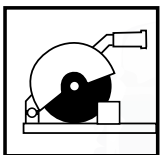
Application

- Ferrous metals
- Structural Steel
- Sheet Metal
- Stainless steel
- Pipe
- Bar & Rod
- Iron Free



Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-045231	4" X 1/25" X 5/8"	100 X 1.0 X 16	A60T-BF	80	15,300	800
HW-046288	4" X 3/32" X 5/8"	100 X 2.5 X 16	A30T-BF	80	15,300	200
HW-056288	5" X 3/32" X 7/8"	125 X 2.5 X 22.23	A30T-BF	80	12,250	200
HW-066288	6" X 3/32" X 7/8"	150 X 2.5 X 22.23	A30T-BF	80	10,200	200
HW-076288	7" X 3/32" X 7/8"	180 X 2.5 X 22.23	A30T-BF	80	8,500	100
HW-096288	9" X 3/32" X 7/8"	230 X 2.5 X 22.23	A30T-BF	80	6,650	100

Type 41 Flat Cutting-Off Wheel



Type 41

General Purpose

- Designed to swiftly cut metals apart and to avoid glazing on harder materials on low powered cut-off machines.
- Ideal for a wide variety of shapes and thickness

Application

- Ferrous metals
- Light or heavy Structural Steel & solids
- This-wall tubing / pipe
- Small solid bar & rod
- Stainless steel
- Iron Free



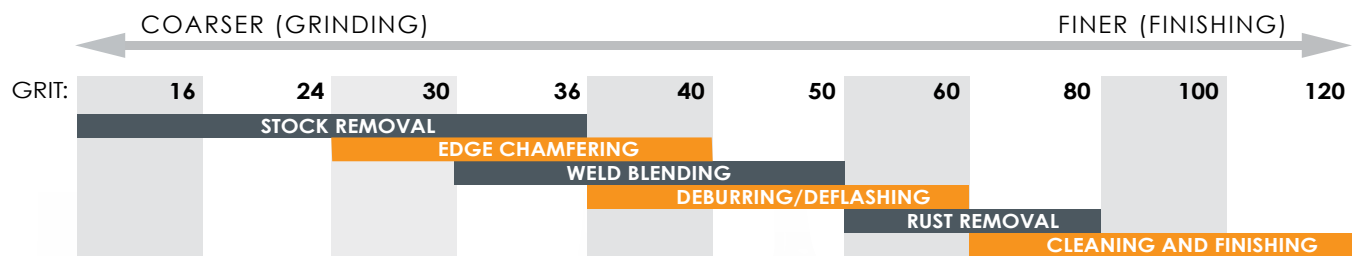
Item Code	Size		Spec	Max Operation Speed		Packing carton
	inch	mm		m/s	rpm	
HW-126289	12" X 1/8" X 1"	300 X 3.0 X 25.40	A30P-BF	80	5,100	25
HW-146289	14" X 1/8" X 1"	355 X 3.0 X 25.40	A30P-BF	80	4,400	25
HW-166289	16" X 1/8" X 1"	405 X 3.0 X 25.40	A30P-BF	80	3,850	25

ABRASIVE PRODUCTS



FIBRE DISCS

APPLICATION/ GRIT RECOMMENDATION GUIDE



TYPE "A" ALUMINIUM OXIDE



"A" Type represents superior grinding performance in a premium aluminum oxide resin fibre resin. A blend of advanced abrasive alloys and bonding agents delivers superior cutting rates and longer useful life. "A" Type provides optimal value when used in high stock removal applications and where a cool cutting action is required.

- Premium Aluminum Oxide grit delivers superior cutting rates
- Advanced bonding formulation provides cool grinding action extending disc life

RESIN FIBRE DISCS

Type "A" Aluminium Oxide



Item Code	Size		Grit	Packing carton
	inch	mm		
HD-A4016	4" x 5/8"	100 x 16	16	100
HD-A4024	4" x 5/8"	100 x 16	24	100
HD-A4036	4" x 5/8"	100 x 16	36	100
HD-A4050	4" x 5/8"	100 x 16	50	100
HD-A4060	4" x 5/8"	100 x 16	60	100
HD-A4080	4" x 5/8"	100 x 16	80	100
HD-A4100	4" x 5/8"	100 x 16	100	100
HD-A4120	4" x 5/8"	100 x 16	120	100
HD-A5016	5" x 7/8"	125 x 22	16	100
HD-A5024	5" x 7/8"	125 x 22	24	100
HD-A5036	5" x 7/8"	125 x 22	36	100
HD-A5050	5" x 7/8"	125 x 22	50	100
HD-A5060	5" x 7/8"	125 x 22	60	100
HD-A5080	5" x 7/8"	125 x 22	80	100
HD-A5100	5" x 7/8"	125 x 22	100	100
HD-A5120	5" x 7/8"	125 x 22	120	100
HD-A6016	6" x 7/8"	150 x 22	16	100
HD-A6024	6" x 7/8"	150 x 22	24	100
HD-A6036	6" x 7/8"	150 x 22	36	100
HD-A6050	6" x 7/8"	150 x 22	50	100
HD-A6060	6" x 7/8"	150 x 22	60	100
HD-A6080	6" x 7/8"	150 x 22	80	100
HD-A6100	6" x 7/8"	150 x 22	100	100
HD-A6120	6" x 7/8"	150 x 22	120	100
HD-A7016	7" x 7/8"	178 x 22	16	100
HD-A7024	7" x 7/8"	178 x 22	24	100
HD-A7036	7" x 7/8"	178 x 22	36	100
HD-A7050	7" x 7/8"	178 x 22	50	100
HD-A7060	7" x 7/8"	178 x 22	60	100
HD-A7080	7" x 7/8"	178 x 22	80	100
HD-A7100	7" x 7/8"	178 x 22	100	100
HD-A7120	7" x 7/8"	178 x 22	120	100



FLAP DISCS

FLAP DISC SHAPES



GRIND AT FLATTER ANGLES:
0° – 15°

Type 27 Flat – The Best Choice for Finishing

- Used primarily on flat surfaces
- The best choice for blending and smooth finishing



GRIND AT STEEPER ANGLES:
15° – 25°

Type 29 Conical – The Best Choice for Aggressive Stock Removal

- Conical flap discs have angled flaps and may be used on both contoured and edge work
- The angle provides greater surface contact for stock removal on flat surfaces
- The best choice when speed and stock removal are primary considerations

ABRASIVE FLAP DENSITIES



Standard Density

- Excellent for heavy-duty applications and rapid stock removal

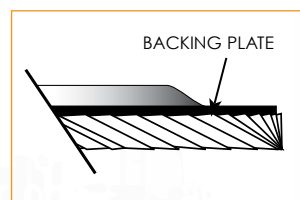


High Density

- Ideal when working on uneven or curved surfaces, as well as finer grit blending

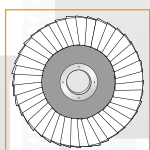
BACKING PLATE MATERIALS

All flap discs are a combination of abrasive flaps adhered to a rigid backing plate. It is the backing plate that provides stability during operation. There are two main materials used: fiberglass and plastic. The fiberglass backing plate, along with the flap shape, helps to absorb vibration and is consumed during use with no smearing. Fiberglass is the most popular material because of its high strength and light weight. The plastic backing plate offers some additional conformability and is trimmable.



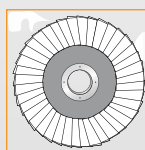
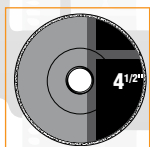
WHY CHOOSE FLAP DISCS?

Flap discs replace both grinding wheels and fiber discs. The same flap disc can be used for applications ranging from stock removal to blending.



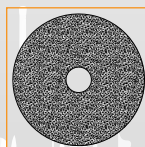
Flap Discs vs. Grinding Wheels

- Faster stock removal
- Smoother finish, no gouging
- Cooler cutting, less glazing
- Lightweight, easier to control
- Less vibration, less operator fatigue
- Reduced noise

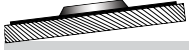


Flap Discs vs. Fiber Discs

- 20X longer life, reduced abrasive cost
- Fewer disc changes, reduced labor cost
- More consistent finish
- No back-up pad required
- Easier storage, no curling
- Reduced loading
- Use flap discs one grit size coarser than fiber discs, except in 36 grit.



FLAP DISCS



Type 27 Aluminum Oxide Flap Discs

Backing

- Reinforced fiberglass backing

Flap Version

- Single fitted version in standard

Recommended Application

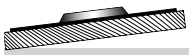
- Deburring, removing welding seams and spots;
Removing scale, rust and oxidation of any kind;

Work Surface

- Alloyed & unalloyed steel
- Aluminum
- Nonferrous metal
- Steel
- Plastic
- Wood



Dia x Bore (mm)	Max RPM	Item Code								
		P36	P40	P60	P80	P100	P120	P150	P180	P240
100 X 16	15,300	HFD-A4036	HFD-A4040	HFD-A4060	HFD-A4080	HFD-A4100	HFD-A4120	HFD-A4150	HFD-A4180	HFD-A4240
115 X 22	13,300	HFD-A4536	HFD-A4540	HFD-A4560	HFD-A4580	HFD-A45100	HFD-A45120	HFD-A45150	HFD-A45180	HFD-A45240
125 X 22	12,200	HFD-A5036	HFD-A5040	HFD-A5060	HFD-A5080	HFD-A5100	HFD-A4120	HFD-A5150	HFD-A5180	HFD-A5240
150 X 22	10,200	HFD-A6036	HFD-A6040	HFD-A6060	HFD-A6080	HFD-A6100	HFD-A4120	HFD-A6150	HFD-A6180	HFD-A6240
180 X 22	8,500	HFD-A7036	HFD-A7040	HFD-A7060	HFD-A7080	HFD-A7100	HFD-A4120	HFD-A7150	HFD-A7180	HFD-A7240



Type 27 Zirconium Oxide Flap Discs

Backing

- Reinforced fiberglass backing

Flap Version

- Single fitted version in standard

Recommended Application

- Deburring, removing welding seams and spots;
Removing scale, rust and oxidation of any kind.;
blunting sharp coeners and edges

Work Surface

- Stainless steel
- Alloyed and unalloyed steel
- Aluminium
- Nonferrous metals
- Structural Steel
- Cast Iron
- Titanium



Dia x Bore (mm)	Max RPM	Item Code					
		P36	P40	P60	P80	P100	P120
100 X 16	15,300	HFD-Z4036	HFD-Z4040	HFD-Z4060	HFD-Z4080	HFD-Z4100	HFD-Z4120
115 X 22	13,300	HFD-Z4536	HFD-Z4540	HFD-Z4560	HFD-Z4580	HFD-Z45100	HFD-Z45120
125 X 22	12,200	HFD-Z5036	HFD-Z5040	HFD-Z5060	HFD-Z5080	HFD-Z5100	HFD-Z4120
150 X 22	10,200	HFD-Z6036	HFD-Z6040	HFD-Z6060	HFD-Z6080	HFD-Z6100	HFD-Z4120
180 X 22	8,500	HFD-Z7036	HFD-Z7040	HFD-Z7060	HFD-Z7080	HFD-Z7100	HFD-Z4120

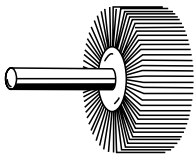


FLAP WHEELS

SHAPE RECOMMENDATION GUIDE

SHAPE

DESCRIPTION/APPLICATION



Flap Wheels with Mounted Steel Shanks

Wheels are designed with a 1/8" or 1/4" steel shank as an integral part of each wheel. These shanks run through the wheel creating better balance, a reduction of chatter, and reduced operator fatigue. They also permit quick changes on air tools when using other abrasive products.



Flap Wheels with Mounted 1/4-20 Thread

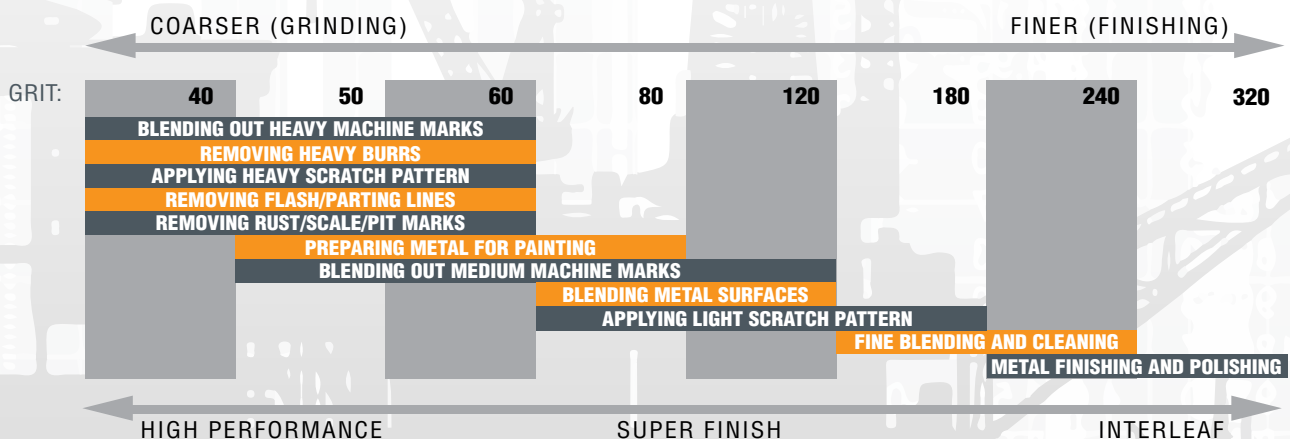
Wheels are designed with a 1/4"-20 thread and flange as an integral part of the wheel. These threads facilitate the quickest changes on air tools using flap wheels exclusively, as there are no special tools needed to change the flap wheel. Also allow extended reach with accessory mandrels.



Flap Wheels with Arbor Holes

For use on larger portable and fixed-base tools where the wheel must fit on an existing arbor.

APPLICATION/GRIT RECOMMENDATION GUIDE



FLAP WHEEL

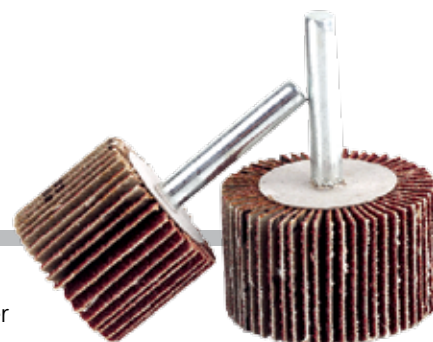
Flap Wheel with 6mm Shrank

Recommended Application

- Finishing, light deburring, cleaning or preparation for subsequent treatments (chromium plating, nickel plating or painting) on small or hard-to-reach surface such as the internal surfaces of pipe, cylinders, parts of irregular shape.

Work Surface

- Stainless Steel
- Standard Steel
- Alloyed steel
- Aluminium
- Nonferrous material and alloy
- Plastic materials
- Glass fiber
- Rubber
- Marble
- Stone
- Concrete
- Wood
- Hide or leather



Grit Available

	P40	P60	P80	P120	P150	P180	P240	P320
Aluminium	•	•	•	•	•	•	•	•
Zirconium	•	•	•	•				

Item Code	Diameter (mm)	Thickness (mm)	Shank (mm)	Max RPM
HFW-2515	25	15	6	30,000
HFW-2520	25	20	6	30,000
HFW-2525	25	25	6	30,000
HFW-2540	25	40	6	30,000
HFW-2550	25	50	6	30,000
HFW-3015	30	15	6	30,000
HFW-3020	30	20	6	30,000
HFW-3025	30	25	6	30,000
HFW-3030	30	30	6	30,000
HFW-4010	40	10	6	25,000
HFW-4013	40	13	6	25,000
HFW-4015	40	15	6	25,000
HFW-4020	40	20	6	25,000
HFW-4025	40	25	6	25,000
HFW-4030	40	30	6	25,000
HFW-4040	40	40	6	25,000
HFW-4050	40	50	6	25,000
HFW-5010	50	10	6	25,000
HFW-5013	50	13	6	25,000
HFW-5015	50	15	6	25,000
HFW-5020	50	20	6	25,000
HFW-5025	50	25	6	25,000
HFW-5030	50	30	6	25,000
HFW-5040	50	40	6	25,000
HFW-5050	50	50	6	25,000

Item Code	Diameter (mm)	Thickness (mm)	Shank (mm)	Max RPM
HFW-6013	60	13	6	20,000
HFW-6015	60	15	6	20,000
HFW-6020	60	20	6	20,000
HFW-6025	60	25	6	20,000
HFW-6030	60	30	6	20,000
HFW-6040	60	40	6	20,000
HFW-6050	60	50	6	20,000
HFW-7613	76	13	6	20,000
HFW-7615	76	15	6	20,000
HFW-7620	76	20	6	20,000
HFW-7625	76	25	6	20,000
HFW-7630	76	30	6	20,000
HFW-7640	76	40	6	20,000
HFW-7650	76	50	6	20,000

FLAP WHEEL

Flap Wheels with Arbor Holes

Recommended Application

- Finishing, light deburring, cleaning or preparation for subsequent treatments (chromium plating, nickel plating or painting) on small or hard-to-reach surface such as the internal surfaces of pipe, cylinders, parts of irregular shape.

Work Surface

- Stainless Steel
- Standard Steel
- Alloyed steel
- Aluminium
- Nonferrous material and alloy
- Plastic materials
- Glass fiber
- Rubber
- Marble
- Stone
- Concrete
- Wood
- Hide or leather



Grit Available

	P40	P60	P80	P120	P150	P180	P240	P320
Aluminium	•	•	•	•	•	•	•	•
Zirconium	•	•	•	•				

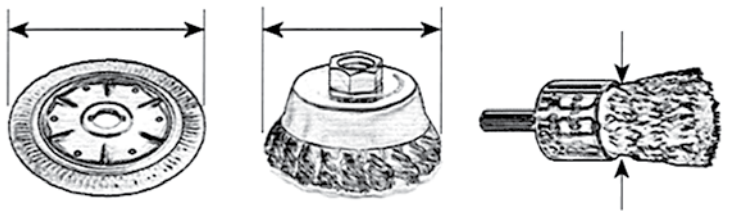
Item Code	Diameter (mm)	Thickness (mm)	Hole (mm)	Max RPM
HFW-1002516	100	25	16	8,800
HFW-1002525	100	25	25	8,800
HFW-1003025	100	30	25	8,800
HFW-1005016	100	50	16	8,800
HFW-1005025	100	50	25	8,800
HFW-1502525	150	25	25	5,700
HFW-1503025	150	30	25	5,700
HFW-1504025	150	40	25	5,700
HFW-1505025	150	50	25	5,700
HFW-1653025	165	30	25	5,200
HFW-1654025	165	40	25	5,200
HFW-1655025	165	50	25	5,200
HFW-1652530	165	25	30	5,200
HFW-1653030	165	30	30	5,200
HFW-1655030	165	50	30	5,200
HFW-1652545	165	25	45	5,200
HFW-1653045	165	30	45	5,200
HFW-1655045	165	50	45	5,200
HFW-1652554	165	25	54	5,200
HFW-1653054	165	30	54	5,200
HFW-1655054	165	50	54	5,200

Item Code	Diameter (mm)	Thickness (mm)	Hole (mm)	Max RPM
HFW-2002530	200	25	30	4,300
HFW-2003030	200	30	30	4,300
HFW-2005030	200	50	30	4,300
HFW-2002545	200	25	45	4,300
HFW-2003045	200	30	45	4,300
HFW-2005045	200	50	45	4,300
HFW-2002554	200	25	54	4,300
HFW-2003054	200	30	54	4,300
HFW-2005054	200	50	54	4,300
HFW-2505045	250	50	45	3,400
HFW-25025100	250	25	100	3,400
HFW-25030100	250	30	100	3,400
HFW-25050100	250	50	100	3,400
HFW-30030100	300	30	100	2,850
HFW-30050100	300	50	100	2,850
HFW-30075100	300	75	100	2,850
HFW-35030132	350	30	132	2,250
HFW-35050132	350	50	132	2,250
HFW-35060132	350	60	132	2,250
HFW-35075132	350	75	132	2,250
HFW-350100132	350	100	132	2,250
HFW-40030152	400	30	152	2,050
HFW-40050152	400	50	152	2,050
HFW-40060152	400	60	152	2,050
HFW-40075152	400	75	152	2,050
HFW-400100152	400	100	152	2,050



WIRE BRUSH

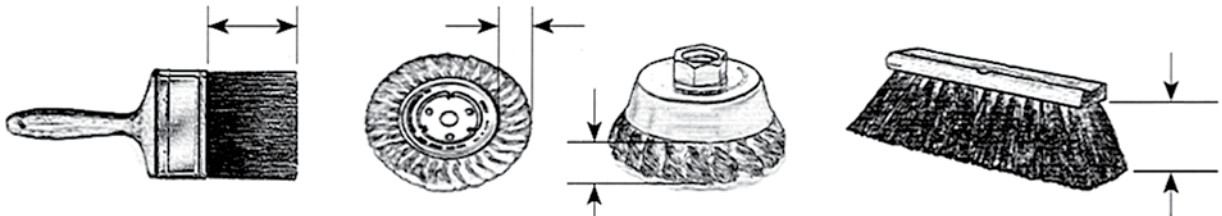
OUTSIDE DIAMETER (O.D.)



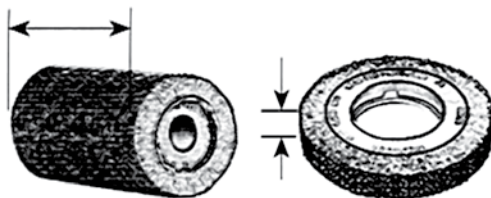
BRUSH PART LENGTH



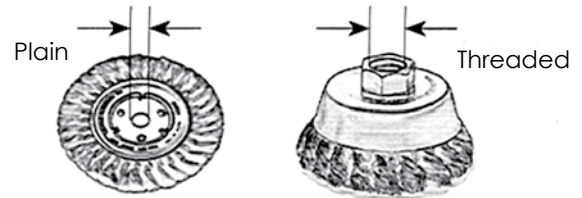
TRIM LENGTH



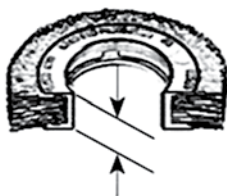
FACE WIDTH



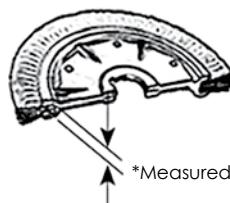
ARBOR HOLE



ARBOR HOLE THICKNESS

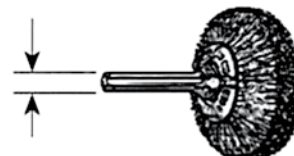


THICKNESS AT FACE PLATE*



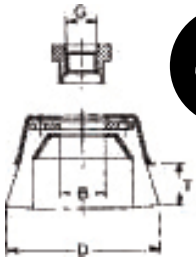
*Measured at thickest point

STEM DIAMETER



CUP BRUSH - CRIMPED

For Single Handed Angle Grinders



Application:

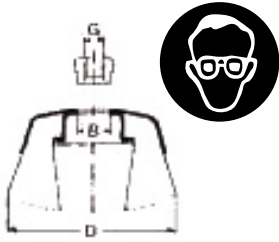
- For light or medium rust removal and deburring
- For use on single handed angle grinders that are most commonly used by tradesman



Dimensions		Thread	Arbor Hole	Brass Coated Steel Wire/ Stainless Steel Wire			MSFS	Packing
D	T	G	B	0.20 mm	0.30 mm	0.38 mm	RPM	Box
mm	mm		mm	Item Code	Item Code	Item Code		
Ø 65	18	--	16	603 041-3608	603 061-3608	603 071-3608	12,500	1
Ø 65	18	M10 x 1.25	--	613 041-3658	613 061-3658	613 071-3658	12,500	1
Ø 65	18	M10 x 1.50	--	613 041-3108	613 061-3108	613 071-3108	12,500	1
Ø 65	18	M14 x 2.00	--	613 041-3008	613 061-3008	613 071-3008	12,500	1
Ø 65	18	5/8" x 11NC	--	613 041-3808	613 061-3808	613 071-3808	12,500	1
Ø 75	20	--	16	603 042-3608	603 062-3608	603 072-3608	12,500	1
Ø 75	20	--	22.2	603 042-3208	603 062-3208	603 072-3208	12,500	1
Ø 75	20	M10 x 1.25	--	613 042-3658	613 062-3658	613 072-3658	12,500	1
Ø 75	20	M10 x 1.50	--	613 042-3108	613 062-3108	613 072-3108	12,500	1
Ø 75	20	M14 x 2.00	--	613 042-3008	613 062-3008	613 072-3008	12,500	1
Ø 75	20	5/8" x 11NC	--	613 042-3808	613 062-3808	613 072-3808	12,500	1

CUP BRUSH - CRIMPED

For High Speed Industrial Angle Grinder



Application:

- Sturdy tools suited for heavy cleaning jobs and for brushing large surfaces.
- Good brush balancing ensures easy handling



Dimensions		Thread	Arbor Hole	Brass Coated Steel Wire/ Stainless Steel Wire			MSFS	Packing
D	T	G	B	0.20 mm	0.30 mm	0.38 mm	RPM	Box
mm	mm		mm	Item Code	Item Code	Item Code		
Ø 85	22	--	22.2	603 043-3208	603 063-3208	603 073-3208	8,500	1
Ø 85	22	M14 x 2.00	--	613 043-3008	613 063-3008	613 073-3008	8,500	1
Ø 85	22	5/8" x 11NC	--	613 043-3808	613 063-3808	613 073-3808	8,500	1
Ø 85	22	M16 x 2.00	--	613 043-3068	613 063-3068	613 073-3068	8,500	1
Ø 100	25	--	22.2	603 044-3208	603 064-3208	603 074-3208	8,500	1
Ø 100	25	M14 x 2.00	--	613 044-3008	613 064-3008	613 074-3008	8,500	1
Ø 100	25	5/8" x 11NC	--	613 044-3808	613 064-3808	613 074-3808	8,500	1
Ø 100	25	M16 x 2.00	--	613 044-3068	613 064-3068	613 074-3068	8,500	1
Ø 125	30	--	22.2	603 045-3208	603 065-3208	603 075-3208	6,500	1
Ø 125	30	M14 x 2.00	--	613 045-3008	613 065-3008	613 075-3008	6,500	1
Ø 125	30	5/8" x 11NC	--	613 045-3808	613 065-3808	613 075-3808	6,500	1
Ø 125	30	M16 x 2.00	--	613 045-3068	613 065-3068	613 075-3068	6,500	1
Ø 150	32	--	22.2	603 046-3208	603 066-3208	603 076-3208	4,500	1
Ø 150	32	M14 x 2.00	--	613 046-3008	613 066-3008	613 076-3008	4,500	1
Ø 150	32	5/8" x 11NC	--	613 046-3808	613 066-3808	613 076-3808	4,500	1
Ø 150	32	M16 x 2.00	--	613 046-3068	613 066-3068	613 076-3068	4,500	1

CUP BRUSH - KNOTTED

For High Speed Angle Grinder



Application:

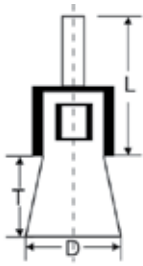
- Aggressive tools for fast heavy-duty cleaning and brushing of large surfaces
- Remove carbon, paint, rust, scale, other kinds of contamination.



Dimensions			Thread	Arbor Hole	Tempered Steel Wire/ Stainless Steel Wire			MSFS	Packing
D	T	Knots	G	B	0.35 mm	0.50 mm	0.80 mm	RPM	Box
mm	mm	No.		mm	Item Code	Item Code	Item Code		
Ø 60	16	16	--	16	608 130-3608	608 150-3608	608 180-3608	12,500	1
Ø 60	16	16	M10 x 1.25	--	608 130-3658	608 150-3658	608 180-3658	12,500	1
Ø 60	16	16	M10 x 1.50	--	608 130-3108	608 150-3108	608 180-3108	12,500	1
Ø 60	16	16	M14 x 2.00	--	608 130-3008	608 150-3008	608 180-3008	12,500	1
Ø 60	16	16	5/8" x 11NC	--	608 130-3808	608 150-3808	608 180-3808	12,500	1
Ø 65	19	18	--	16	608 131-3608	608 151-3608	608 181-3608	12,500	1
Ø 65	19	18	M10 x 1.25	--	608 131-3658	608 151-3658	608 181-3658	12,500	1
Ø 65	19	18	M10 x 1.50	--	608 131-3108	608 151-3108	608 181-3108	12,500	1
Ø 65	19	18	M14 x 2.00	--	608 131-3008	608 151-3008	608 181-3008	12,500	1
Ø 65	19	18	5/8" x 11NC	--	608 131-3808	608 151-3808	608 181-3808	12,500	1
Ø 80	20	20	--	16	618 133-3608	618 152-3608	618 183-3608	8,500	1
Ø 80	20	20	--	22.2	618 133-3208	618 152-3208	618 183-3208	8,500	1
Ø 80	20	20	M10 x 1.25	--	618 133-3658	618 152-3658	618 183-3658	8,500	1
Ø 80	20	20	M10 x 1.50	--	618 133-3108	618 152-3108	618 183-3108	8,500	1
Ø 80	20	20	M14 x 2.00	--	618 133-3008	618 152-3008	618 183-3008	8,500	1
Ø 80	20	20	5/8" x 11NC	--	618 133-3808	618 152-3808	618 183-3808	8,500	1
Ø 80	20	20	M16 x 2.00	--	618 133-3068	618 152-3068	618 183-3068	8,500	1
Ø 100	26	22	--	22.2	618 134-3208	618 154-3208	618 184-3208	8,500	1
Ø 100	26	22	M14 x 2.00	--	618 134-3008	618 154-3008	618 184-3008	8,500	1
Ø 100	26	22	5/8" x 11NC	--	618 134-3808	618 154-3808	618 184-3808	8,500	1
Ø 100	26	22	M16 x 2.00	--	618 134-3068	618 154-3068	618 184-3808	8,500	1
Ø 125	26	26	--	22.2	618 136-3208	618 156-3208	618 186-3208	6,500	1
Ø 125	26	26	M14 x 2.00	--	618 136-3008	618 156-3008	618 186-3008	6,500	1
Ø 125	26	26	5/8" x 11NC	--	618 136-3808	618 156-3808	618 186-3808	6,500	1
Ø 125	26	26	M16 x 2.00	--	618 136-3068	618 156-3068	618 186-3068	6,500	1
Ø 150	26	36	--	22.2	618 138-3208	618 158-3208	618 188-3208	4,500	1
Ø 150	26	36	M14 x 2.00	--	618 138-3008	618 158-3008	618 188-3008	4,500	1
Ø 150	26	36	5/8" x 11NC	--	618 138-3808	618 158-3808	618 188-3808	4,500	1
Ø 150	26	36	M16 x 2.00	--	618 138-3068	618 158-3068	618 188-3068	4,500	1

END BRUSHES, KNOTTED/ CRIMPED

For use in High Speed Tools



Application:

- For use in high speed air and electric tools.
- For removing burrs, rust, cinder, scale, paint, excess rubber and other contaminants on hard-to-reach areas and internal surfaces.



Dimensions			Knots No.	Shank	Tempered Steel Wire		MSFS RPM	Packing Box
D	L	T			0.35 mm	0.50 mm		
mm	mm	mm			Item No.	Item No.		

1 | End Brushes, Knotted

19	45	25	6	1/4" (6MM)	409 319-3008	409 519-3008	20000	1
22	45	25	8	1/4" (6MM)	409 322-3008	409 522-3008	20000	1
25	50	25	10	1/4" (6MM)	409 325-3008	409 525-3008	20000	1
30	50	25	12	1/4" (6MM)	409 330-3008	409 530-3008	18000	1

Dimensions			Knots No.	Shank	Brass Coated Steel Wire	Steel Wire	MSFS RPM	Packing Box
D	L	T			0.30 mm	0.30 mm		
mm	mm	mm			Item No.	Item No.		

2 | End Brushes, Crimped

16	45	25	--	1/4" (6MM)	509 016-3008	509 116-3008	18,000	1
19	45	25	--	1/4" (6MM)	509 019-3008	509 119-3008	18,000	1
22	45	25	--	1/4" (6MM)	509 022-3008	509 122-3008	18,000	1
25	50	25	--	1/4" (6MM)	509 025-3008	509 125-3008	18,000	1
30	50	25	--	1/4" (6MM)	509 030-3008	509 130-3008	15,000	1

3 | End Brushes, Crimped, Pointed Model

16	45	25	--	1/4" (6MM)	519 016-3008	519 116-3008	18,000	1
19	45	25	--	1/4" (6MM)	519 019-3008	519 119-3008	18,000	1
22	45	25	--	1/4" (6MM)	519 022-3008	519 122-3008	18,000	1
25	50	25	--	1/4" (6MM)	519 025-3008	519 125-3008	18,000	1
30	50	25	--	1/4" (6MM)	519 030-3008	519 130-3008	15,000	1

4 | Circular End Brushes, Crimped

50	50	25	--	1/4" (6MM)	509 050-3008	509 150-3008	15,000	1
70	50	25	--	1/4" (6MM)	509 070-3008	509 170-3008	15,000	1

TWIST KNOT WHEEL BRUSHES- KNOTTED

For High Speed Grinder



Application:

- The ideal shape for brushing hard-to-reach areas.
- Multi purpose brushes for light and medium cleaning job



Dimensions			Knots No.	Arbor Hole	Thread	Tempered Steel Wire/ Stainless Steel Wire Knotted			MSFS	Packing
D	A	T				0.35 mm	0.50 mm	0.80 mm		
mm	mm	mm		B Max mm	G	Item No.	Item No.	Item No.	RPM	Box
Ø 75	8	15	15	6 mm Shank	--	611 131-3008	611 151-3008	--	20,000	1
Ø 80	10	17	20	12.7	--	601 131-3008	601 151-3008	--	20,000	1
Ø 100	12	20	20	16	--	621 131-3608	621 151-3608	--	12,500	1
Ø 100	12	20	20	--	M10 x 1.25	621 131-3658	621 151-3658	--	12,500	1
Ø 100	12	20	20	--	M10 x 1.50	621 131-3108	621 151-3108	--	12,500	1
Ø 100	12	20	20	--	M14 x 2.00	621 131-3048	621 151-3048	--	12,500	1
Ø 100	12	20	20	--	5/8 x 11NC	621 131-3808	621 151-3808	--	12,500	1
Ø 115	12	23	20	22.2	--	631 131-3008	631 151-3008	--	12,500	1
Ø 115	12	23	20	--	M14 x 2.00	631 131-3048	631 151-3048	--	12,500	1
Ø 115	12	23	20	--	5/8 x 11NC	631 131-3808	631 151-3808	--	12,500	1
Ø 115	12	23	20	--	M16 x 2.00	631 131-3068	631 151-3068	--	12,500	1
Ø 125	13	28	20	22.2	--	631 131-3208	631 151-3208	--	10,000	1
Ø 125	13	28	20	--	M14 x 2.00	631 131-3248	631 151-3248	--	10,000	1
Ø 125	13	28	20	--	5/8 x 11NC	631 131-3288	631 151-3288	--	10,000	1
Ø 125	13	28	20	--	M16 x 2.00	631 131-3268	631 151-3268	--	10,000	1
Ø 150	13	37	24	22.2	--	641 131-3008	641 151-3008	641 181-3008	9,000	1
Ø 150	13	37	24	--	M14 x 2.00	641 131-3048	641 151-3048	641 181-3048	9,000	1
Ø 150	13	37	24	--	5/8 x 11NC	641 131-3808	641 151-3808	641 181-3808	9,000	1
Ø 150	13	37	24	--	M16 x 2.00	641 131-3068	641 151-3068	641 181-3068	9,000	1
Ø 178	13	42	30	22.2	--	653 131-3008	653 151-3008	653 181-3008	9,000	1
Ø 178	13	42	30	--	M14 x 2.00	653 131-3048	653 151-3048	653 181-3048	9,000	1
Ø 178	13	42	30	--	5/8 x 11NC	653 131-3808	653 151-3808	653 181-3808	9,000	1
Ø 178	13	42	30	--	M16 x 2.00	653 131-3068	653 151-3068	653 181-3068	9,000	1
Ø 200	13	42	34	22.2	--	664 131-3008	664 151-3008	664 181-3008	8,500	1
Ø 200	13	42	34	--	M14 x 2.00	664 131-3048	664 151-3048	664 181-3048	8,500	1
Ø 200	13	42	34	--	5/8 x 11NC	664 131-3808	664 151-3808	664 181-3808	8,500	1
Ø 200	13	42	34	--	M16 x 2.00	664 131-3068	664 151-3068	664 181-3068	8,500	1
Ø 250	15	42	48	25.4	--	676 131-3008	676 151-3008	676 181-3008	4,500	1
Ø 300	18	55	60	25.4	--	686 131-3008	686 151-3008	686 181-3008	3,600	1

TWIST KNOT WHEEL BRUSHES - KNOTTED

For Weld Cleaning



Application:

- An aggressive model for use at high speed for descaling, deburring, removing rust and adhesive residues, and for preparing and cleaning welding seams.



Dimensions			Knots No.	Arbor Hole B Max mm	Thread G	Tempered Steel Wire/ Stainless Steel Wire 0.50 mm Item No.	MSFS RPM	Packing Box
D mm	A mm	T mm						
Ø 100	6	20	30	16	--	410 530-3608	18,000	1
Ø 100	6	20	30	22.2	--	410 530-3208	18,000	1
Ø 100	6	20	30	--	M10 x 1,25	410 530-3658	18,000	1
Ø 100	6	20	30	--	M10 x 1,50	410 530-3108	18,000	1
Ø 100	6	20	30	--	M14 x 2.00	410 530-3008	18,000	1
Ø 100	6	20	30	--	5/8" x 11nc	410 530-3808	18,000	1
Ø 100	6	20	32	16	--	410 532-3608	18,000	1
Ø 100	6	20	32	22.2	--	410 532-3208	18,000	1
Ø 100	6	20	32	--	M10 x 1.25	410 532-3658	18,000	1
Ø 100	6	20	32	--	M10 x 1.50	410 532-3108	18,000	1
Ø 100	6	20	32	--	M14 x 2.00	410 532-3008	18,000	1
Ø 100	6	20	32	--	5/8" x 11nc	410 532-3808	18,000	1
Ø 115	6	27	30	22.2	--	415 530-3208	12,500	1
Ø 115	6	27	30	--	M14 x 2.00	415 530-3008	12,500	1
Ø 115	6	27	30	--	5/8" x 11nc	415 530-3808	12,500	1
Ø 115	6	27	30	--	M16 x 2.00	415 530-3068	12,500	1
Ø 115	6	27	32	22.2	--	415 532-3208	12,500	1
Ø 115	6	27	32	--	M14 x 2.00	415 532-3008	12,500	1
Ø 115	6	27	32	--	5/8" x 11nc	415 532-3808	12,500	1
Ø 115	6	27	32	--	M16 x 2.00	415 532-3068	12,500	1
Ø 125	6	25	36	22.2	--	425 536-3208	10,000	1
Ø 125	6	25	36	--	M14 x 2.00	425 536-3008	10,000	1
Ø 125	6	25	36	--	5/8" x 11nc	425 536-3808	10,000	1
Ø 125	6	25	36	--	M16 x 2.00	425 536-3068	10,000	1
Ø 125	6	25	39	22.2	--	425 539-3208	10,000	1
Ø 125	6	25	39	--	M14 x 2.00	425 539-3008	10,000	1
Ø 125	6	25	39	--	5/8" x 11nc	425 539-3808	10,000	1
Ø 125	6	25	39	--	M16 x 2.00	425 539-3068	10,000	1

TWIST KNOT WHEEL BRUSHES - KNOTTED

For Weld Cleaning



Application:

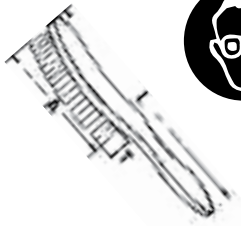
- An aggressive model for use at high speed for descaling, deburring, removing rust and adhesive residues, and for preparing and cleaning welding seams.



Dimensions			Knots No.	Arbor Hole B Max mm	Thread G	Tempered Steel Wire/ Stainless Steel Wire 0.50 mm Item No.	MSFS RPM	Packing Box
D mm	A mm	T mm						
Ø 150	6	35	39	22.2	--	450 539-3208	9,000	1
Ø 150	6	35	39	--	M14 x 2.00	450 539-3008	9,000	1
Ø 150	6	35	39	--	5/8" x 11nc	450 539-3808	9,000	1
Ø 150	6	35	39	--	M16 x 2.00	450 539-3068	9,000	1
Ø 150	6	32	46	22.2	--	450 546-3208	9,000	1
Ø 150	6	32	46	--	M14 x 2.00	450 546-3008	9,000	1
Ø 150	6	32	46	--	5/8" x 11nc	450 546-3808	9,000	1
Ø 150	6	32	46	--	M16 x 2.00	450 546-3068	9,000	1
Ø 150	6	32	50	22.2	--	450 550-3208	9,000	1
Ø 150	6	32	50	--	M14 x 2.00	450 550-3008	9,000	1
Ø 150	6	32	50	--	5/8" x 11nc	450 550-3808	9,000	1
Ø 150	6	32	50	--	M16 x 2.00	450 550-3068	9,000	1
Ø 165	6	32	50	22.2	--	465 550-3208	9,000	1
Ø 165	6	32	50	--	M14 x 2.00	465 550-3008	9,000	1
Ø 165	6	32	50	--	5/8" x 11nc	465 550-3808	9,000	1
Ø 165	6	32	50	--	M16 x 2.00	465 550-3068	9,000	1
Ø 165	6	32	60	22.2	--	465 560-3208	9,000	1
Ø 165	6	32	60	--	M14 x 2.00	465 560-3008	9,000	1
Ø 165	6	32	60	--	5/8" x 11nc	465 560-3808	9,000	1
Ø 165	6	32	60	--	M16 x 2.00	465 560-3068	9,000	1
Ø 171	6	32	60	22.2	--	471 560-3208	9,000	1
Ø 171	6	32	60	--	M14 x 2.00	471 560-3008	9,000	1
Ø 171	6	32	60	--	5/8" x 11nc	471 560-3808	9,000	1
Ø 171	6	32	60	--	M16 x 2.00	471 560-3068	9,000	1
Ø 178	6	35	60	22.2	--	478 560-3208	9,000	1
Ø 178	6	35	60	--	M14 x 2.00	478 560-3008	9,000	1
Ø 178	6	35	60	--	5/8" x 11nc	478 560-3808	9,000	1
Ø 178	6	35	60	--	M16 x 2.00	478 560-3068	9,000	1
Ø 178	6	35	76	22.2	--	478 576-3208	9,000	1
Ø 178	6	35	76	--	M14 x 2.00	478 576-3008	9,000	1
Ø 178	6	35	76	--	5/8" x 11nc	478 576-3808	9,000	1
Ø 178	6	35	76	--	M16 x 2.00	478 576-3068	9,000	1

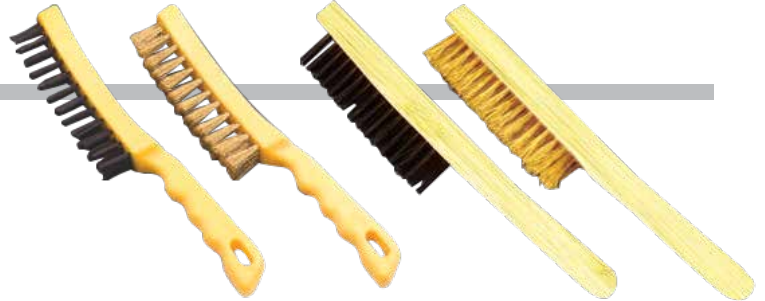
HAND SCRATCH BRUSHES

With Plastic / Wooden Handle



Application:

- Multiple purpose hand brushes for general cleaning purpose.



Fill Material	Dimensions			Row	Row	Row	Row	Row	Row	Packing
	L	A	T	1	2	3	4	5	6	Box
	mm	mm	mm	Item-No.	Item Code	Item Code	Item Code	Item Code	Item Code	

Hand Scratch Brushes, Plastic Handle

Black Steel Wire - 0.35mm, straight	280	125	23	452 131-3008	452 132-3008	452 133-3008	452 134-3008	452 135-3008	452 136-3008	12
Galvanized Wire - 0.35mm, straight	280	125	23	452 431-3008	452 432-3008	452 433-3008	452 434-3008	452 435-3008	452 436-3008	12
Brass Wire - 0.20mm, crimped	280	125	23	452 531-3008	452 532-3008	452 533-3008	452 534-3008	452 535-3008	452 536-3008	12
Stainless Steel Wire - 0.20mm, crimped	280	125	23	452 331-3008	452 332-3008	452 333-3008	452 334-3008	452 335-3008	452 336-3008	12

Hand Scratch Brushes, Wooden Handle

Black Steel Wire - 0.35mm, straight	280	125	23	--	152 132-3008	152 133-3008	152 134-3008	152 135-3008	152 136-3008	12
Galvanized Wire - 0.35mm, straight	280	125	23	--	152 432-3008	152 433-3008	152 434-3008	152 435-3008	152 436-3008	12
Brass Wire - 0.30mm, crimped	280	125	23	--	152 532-3008	152 533-3008	152 534-3008	152 535-3008	152 536-3008	12
Stainless Steel Wire - 0.35mm, straight	280	125	23	--	152 332-3008	152 333-3008	152 334-3008	152 335-3008	152 336-3008	12

ABRASIVE PRODUCTS



MOUNTED POINTS

CATEGORY DEFINITION

ABRASIVE GRAIN: Ceramic Alumina, Zirconia Alumina, Zirconia Alumina/Aluminum Oxide Blend, Aluminum Oxide, Silicon Carbide

SHAPE AVAILABILITY: A, B, and W

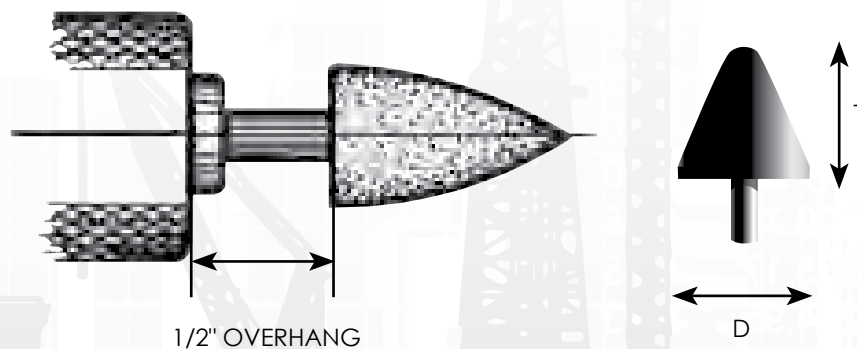
MEASUREMENT GUIDE

DESCRIPTION OF OVERHANG

Overhang is the distance between the grinder chuck and the abrasive on the spindle. The larger the overhang, the lower the maximum safe operating speed.

SIZE

Measured by diameter (D) x thickness (T)



TECH TIP

- Use "A" shapes for medium - to heavy-duty blending.
- Use "B" shapes for light deburring and finishing/polishing.
- Use "W" shapes for offhand and precision grinding of medium to heavy stock.

MOUNTED POINTS

A' Shape Mounted Points with 6mm Shank

A' Shape Mounted Points are designed for fast stock removal, for cleaning metal castings and grinding of work pieces with detailed shapes or limited access to work surface.

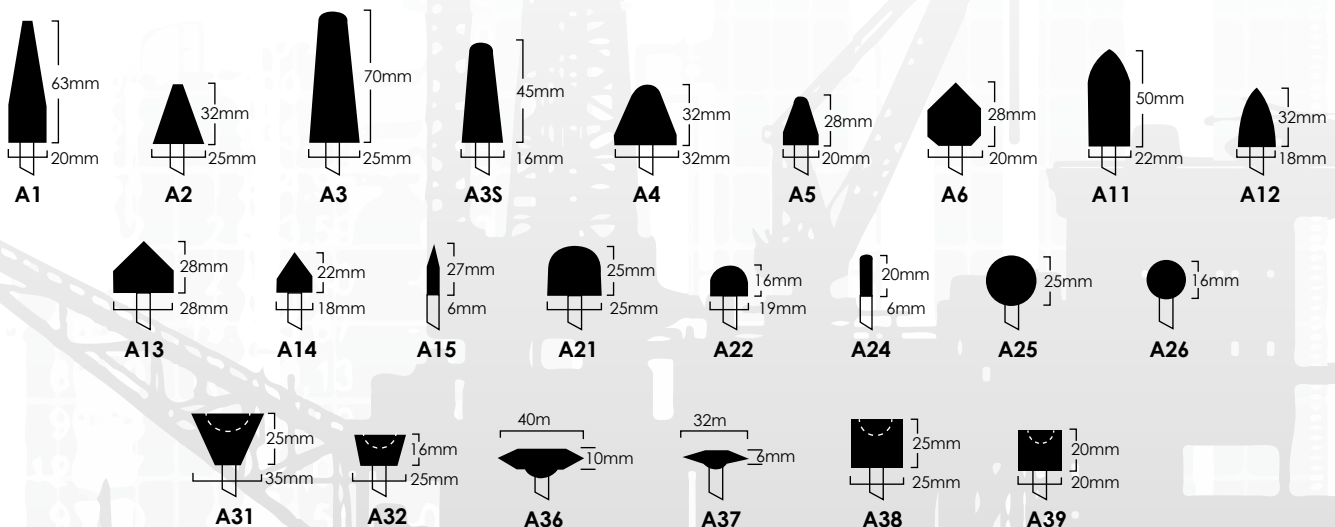
The choice of different shapes allows an operator to select the right profile for a wide range light grinding and blending operations.

Application:

- Foundry work - finishing castings
- Deburring cut metal
- Tool and die and precision engineering work

Shape	Size (mm)		
	Diameter	Thickenss	Spindle
A1	20	63	6
A2	25	32	6
A3	25	70	6
A3S	16	45	6
A4 (KA1)	32	32	6
A5 (KA2)	20	28	6
A6	20	28	6
A11	22	50	6
A12 (KA3)	18	32	6
A13	28	28	6
A14	18	22	6
A15	6	27	6

Shape	Size (mm)		
	Diameter	Thickenss	Spindle
A21	25	25	6
A22	19	16	6
A24	6	20	6
A25	25 sphere		6
A26 (KA8)	16 sphere		6
A31	35	25	6
A32	25	16	6
A36	40	10	6
A37	32	6	6
A38	25	25	6
A39	20	20	6
KA5	16	32	6



MOUNTED POINTS

B ' Shape Mounted Points with 3mm Shank

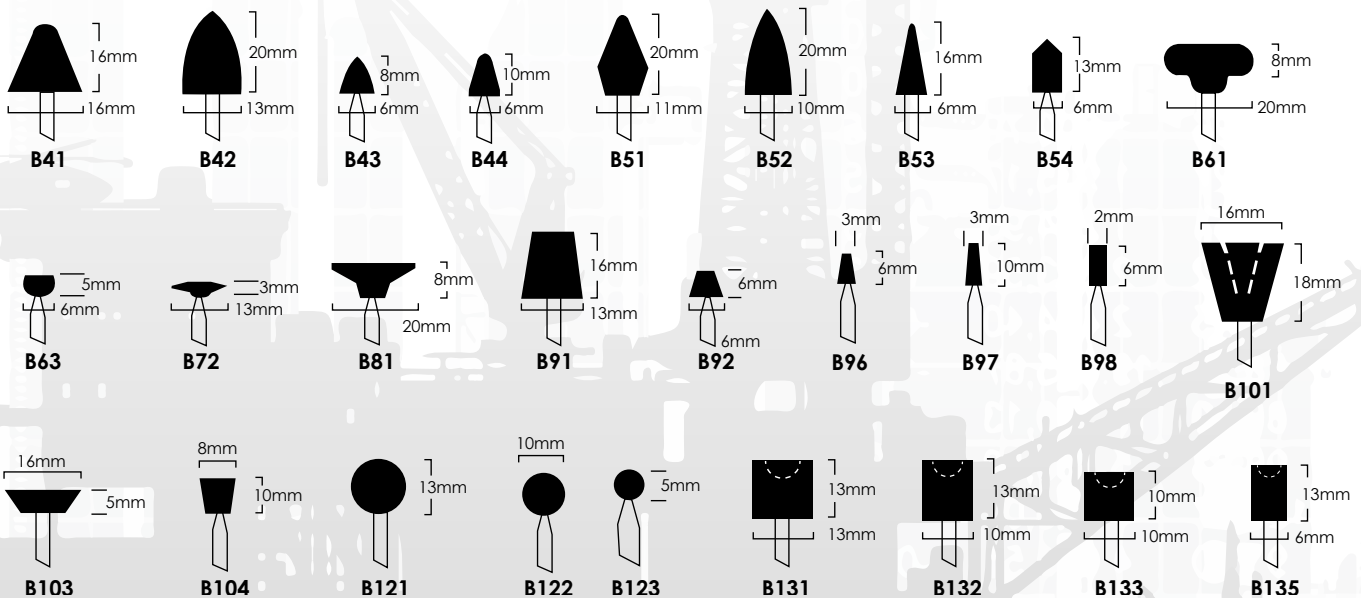
'B' Shape Mounted Points generally have a smaller profile than the 'A' shapes and are better suited to lighter more intricate applications.

Application:

- Tool and Die work
- Jig grinding and blending the contours of moulded parts

Shape	Size (mm)		
	Diameter	Thickenss	Spindle
B41	16	16	3
B42	13	20	3
B43	6	8	3
B44	6	10	3
B51	11	20	3
B52	10	20	3
B53	6	16	3
B54	6	13	3
B61	20	8	3
B63	6	5	3
B72	13	3	3
B81	20	8	3
B91	13	16	3

Shape	Size (mm)		
	Diameter	Thickenss	Spindle
B92	6	6	3
B96	3	6	3
B97	3	10	3
B98	2	6	3
B101	16	18	3
B103	16	5	3
B104	8	10	3
B121	13 SPHERE		3
B122	10 SPHERE		3
B123	5 SPHERE		3
B131	13	13	3
B132	10	13	3
B133	10	10	3
B135	6	13	3



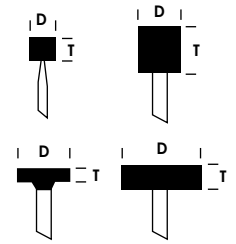
MOUNTED POINT

W ' Shape Mounted Points with 3mm & 6mm Shank

'W' Shape Mounted Points are essentially small straight grinding wheels mounted on a shaft.

Application:

- Internal diameter grinding
- Jig grinding of bores and deep recesses
- Weld seam blending.



Shape	Size (mm)		
	Diameter	Thickenss	Spindle
W143	3	3	3
W144	3	6	3
W145	3	10	3
W146	3	13	3
W149	4	6	3
W152	5	6	3
W153	5	10	3
W154	5	13	3
W158	6	3	3
W160	6	6	3
W162	6	10	3
W163	6	13	3
W164	6	20	3, 6
W167	8	6	3
W170	8	13	3
W173	10	3	3
W174	10	6	3
W175	10	10	3, 6
W176	10	13	3, 6
W177	10	20	3, 6
W178	10	25	3, 6
W179	10	32	3, 6
W182	13	3	3, 6
W183	13	6	3, 6
W184	13	10	3, 6
W185	13	13	3, 6
W186	13	20	3, 6
W187	13	25	3, 6
W188	13	38	3, 6
W189	13	50	3, 6

Shape	Size (mm)		
	Diameter	Thickenss	Spindle
W191	16	3	3
W194	16	13	3, 6
W195	16	20	3, 6
W196	16	25	3, 6
W197	16	50	3, 6
W200	20	3	3, 6
W201	20	6	3, 6
W202	20	10	3, 6
W203	20	13	3, 6
W204	20	20	3, 6
W205	20	25	6
W206	20	32	6
W207	20	38	6
W208	20	50	6
W215	25	3	3, 6
W216	25	6	3, 6
W217	25	10	3, 6
W218	25	13	6
W220 (KA4)	25	25	6
W221	25	38	6
W222	25	50	6
W225	32	6	3, 6
W226	32	10	6
W227	32	13	3
W228	32	20	6
W230	32	32	6
W232	32	50	6
W235	38	6	6
W236	38	13	6
W237	38	25	6
W238	38	38	6
W242	50	25	6

ABRASIVE PRODUCTS



Tungsten Carbide Burrs

Application Data

APPLICATION BY CUT STYLE

	s	d	d-max	c	k	alu
--	---	---	-------	---	---	-----



- General Purpose Deburring
- Produces Scratch Free Surface
- For Use On Most Ferrous Metals



- Universal Cutting Style
- High Cutting Action And Smooth Operation
- For Use On Most Ferrous Metals



- For Fast Metal Removal
- Extra Strong Tooth Formation
- For Use On Most Ferrous Metals



- General Purpose Deburring
- For Use On High Tensile Steels



- For Fine Finishing Applications
- Provides Excellent Surface Finish
- For Use On Hard Materials



- For Deburring Of Aluminium Alloys And Plastics
- Produces Easy Chip Flow And Smooth Operation

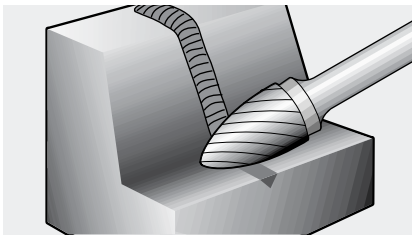
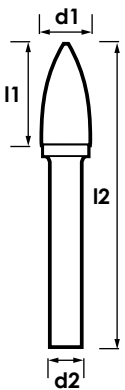
STEEL	●	●	●	●	○	
HARDENED STEEL	○	○			●	
STAINLESS STEEL	●	●	○	●	●	
CAST IRON	●	●	●	○	○	
TITANIUM	●	●	○		○	
NICKEL	●	●	○		○	
COPPER/ COPPER ALLOY	●	●	●	●	○	
ALUMINIUM						●
PLASTIC						●
CERMET	○				●	

● Highly Recommended ○ Recommended

TUNGSTEN CARBIDE BURRS - TREE

Type "d"

Application:

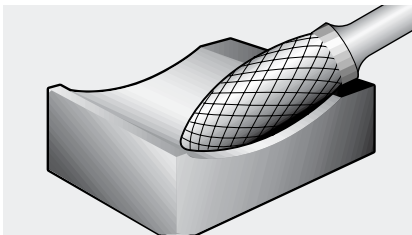
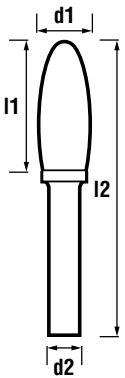


Item Code	d 1	l 1	d 2	l 2
	(mm)	(mm)	(mm)	(mm)
HTC-T6220D	3	6	3	38
HTC-T6230D	3	10	3	38
HTC-T6200D	3	13	3	38
HTC-T6240D	6	13	3	45
HTC-T6400D	6	16	6	50
HTC-T6450D	8	19	6	65
HTC-T6500D	10	19	6	65
HTC-T6700D	12	19	6	65
HTC-T6800D	12	25	6	70
HTC-T6800D-8	12	25	8	70
HTC-T6900D-6	16	25	6	70
HTC-T6900D	16	25	8	70

TUNGSTEN CARBIDE BURRS - FLAME

Type "d"

Application:

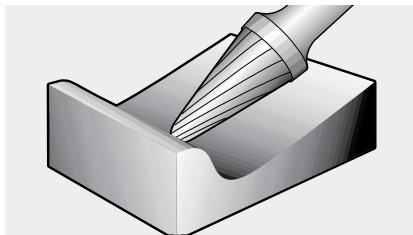
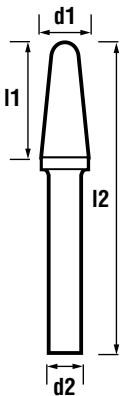


Item Code	d 1	l 1	d 2	l 2
	(mm)	(mm)	(mm)	(mm)
HTC-T5200D	3	8	3	38
HTC-T5400D	6	14	6	50
HTC-T5550D	8	19	6	65
HTC-T5600D	12	32	6	77
HTC-T5600D-8	12	32	8	77
HTC-T5850D-6	16	36	6	80
HTC-5850D	16	36	8	80

TUNGSTEN CARBIDE BURRS - BALL NOSED CONE

Type "d"

Application:

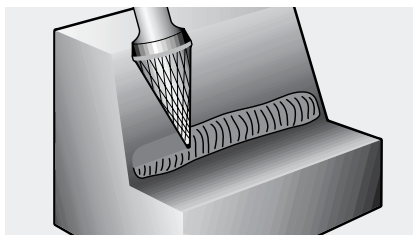
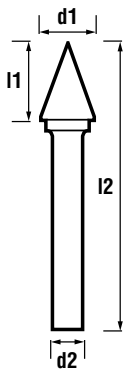


Item Code	d 1	l 1	d 2	l 2
	(mm)	(mm)	(mm)	(mm)
HTC-T4200D	3	8	3	38
HTC-T4210D	3	9.5	3	38
HTC-T4220D	3	13	3	38
HTC-T4240D	6	13	3	45
HTC-T4400D	6	19	6	50
HTC-T4500D	8	22	6	69
HTC-T4600D	10	19	6	65
HTC-T4600D-1	10	27	6	75
HTC-T4700D	12	30	6	75
HTC-T4700D-8	12	30	8	75
HTC-T4800D-6	16	33	6	78
HTC-T4800D	16	33	8	78

TUNGSTEN CARBIDE BURRS - CONE

Type "d"

Application:



Item Code	d 1	l 1	d 2	l 2
	(mm)	(mm)	(mm)	(mm)
HTC-T2200D	3	11	3	38
HTC-T2220D	3	16	3	38
HTC-T2240D	6	13	3	45
HTC-T2300D	6	13	6	50
HTC-T2400D	6	19	6	50
HTC-T2400D-1	6	25	6	50
HTC-T2600D	10	16	6	65
HTC-T2700D	12	19	6	65
HTC-T2700D-1	12	22	6	70
HTC-T2700D-1-8	12	22	8	70
HTC-T2750D-1-6	16	22	6	73
HTC-T2750D-1	16	22	8	73