





INLAND
INDUSTRIAL SUPPLY LTD.

Abrasives & Cutting Tools

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HP™ Grinding Wheels



- High performance grinding and cutting
- These wheels are formulated to give highest productivity, safety and operator comfort on all types of grinders – air grinders, electric grinders/ sanders and portable high speed angle grinders. Exceptional performance in grinding down welds, preparing weld edges, deburring, shaping, cleaning and cutting. The wheel of choice for steel.

SPIN-ON TYPE 27S – STEEL

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

SKU	Dia.	Thick.	Arbor	Grade	Max. RPM
08B452	4-½″	⅛″	⅝″-11	A-30-Combo	13,300
08B450	4-½″	¼″	⅝″-11	A-24-HPS	13,300
08B502	5″	⅛″	⅝″-11	A-30-Combo	12,200
08B500	5″	¼″	⅝″-11	A-24-HPS	12,200

Always use 1/8″ wheels with flange 30-B 017
Always use 1/4″ wheels with flange 30-B 036

1/8″ TYPE 27 – STEEL

- 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

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08B312	3″	⅛″	⅜″	A-24-Combo	20,000
08B412	4″	⅛″	⅜″	A-24-Combo	15,000
08B402	4″	⅛″	⅝″	A-24-Combo	15,000
08B462	4-½″	⅛″	⅞″	A-30-Combo	13,300
08B512	5″	⅛″	⅞″	A-30-Combo	12,200
08B602	6″	⅛″	⅞″	A-30-Combo	10,200
08B712	7″	⅛″	⅞″	A-30-Combo	8,600
08B912	9″	⅛″	⅞″	A-30-Combo	6,800

1/4″ TYPE 27 – STEEL

- High performance wheels grind off metal faster
- Smooth grinding with an aggressive, controlled bite
- Extra long wheel life

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08B310	3″	¼″	⅜″	A-24-HPS	20,000
08B410	4″	¼″	⅜″	A-24-HPS	15,000
08B400	4″	¼″	⅝″	A-24-HPS	15,000
08B460	4-½″	¼″	⅞″	A-24-HPS	13,300
08B510	5″	¼″	⅞″	A-24-HPS	12,200
08B600	6″	¼″	⅞″	A-24-HPS	10,200
08B710	7″	¼″	⅞″	A-24-HPS	8,600
08B910	9″	¼″	⅞″	A-24-HPS	6,800

WALTER

ALLSTEEL™ Grinding Wheels



- 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

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

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08C452	4-½″	⅛″	⅞″	A-30-AS	13,300
08C502	5″	⅛″	⅞″	A-30-AS	12,200
08C602	6″	⅛″	⅞″	A-30-AS	10,200
08C702	7″	⅛″	⅞″	A-30-AS	8,600
08C902	9″	⅛″	⅞″	A-30-AS	6,800

1/4″ TYPE 27 – STEEL / STAINLESS

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

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08C450	4-½″	¼″	⅞″	A-24-AS	13,300
08C500	5″	¼″	⅞″	A-24-AS	12,200
08C600	6″	¼″	⅞″	A-24-AS	10,200
08C700	7″	¼″	⅞″	A-24-AS	8,600
08C900	9″	¼″	⅞″	A-24-AS	6,800

WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

Stainless Grinding Wheels



- 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 minimum bounce or vibration for controlled grinding and a smooth, high quality finish. They are made with highly refined ingredients that will not contaminate stainless steel.

SPIN-ON TYPE 27S – STAINLESS

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

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08F452	4-½″	⅛″	⅝″-11	A-30-SS	13,300
08F450	4 ½″	¼″	⅝″-11	A-30-SS	13,300
08F502	5″	⅛″	⅝″-11	A-30-SS	12,200
08F500	5″	¼″	⅝″-11	A-30-SS	12,200

1/8″ TYPE 27 – STAINLESS

- High performance cutting and intermittent light grinding
- Maintain a superior cutting edge
- Cool cutting, excellent wheel life with superior control

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08F462	4 ½″	⅛″	⅞″	A-30-SS COMBO	13,300
08F512	5″	⅛″	⅞″	A-30-SS COMBO	12,200
08F602	6″	⅛″	⅞″	A-30-SS COMBO	10,200
08F702	7″	⅛″	⅞″	A-30-SS COMBO	8,600
08F902	9″	⅛″	⅞″	A-30-SS COMBO	6,800

1/4″ TYPE 27 – STAINLESS

- Fast and cool stock removal
- High performance and superior control in the most demanding grinding applications

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08F460	4 ½″	¼″	⅞″	A-30-SS	13,300
08F510	5″	¼″	⅞″	A-30-SS	12,200
08F600	6″	¼″	⅞″	A-30-SS	10,200
08F700	7″	¼″	⅞″	A-30-SS	8,600
08F900	9″	¼″	⅞″	A-30-SS	6,800

Aluminum Grinding Wheels



- 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 of these wheels 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.

1/8″ TYPE 27 – ALUMINUM

- Formulated for cutting but may also be used for intermittent light grinding
- Fast and free cutting

SKU	Dia.	Thick.	Arbor	Grade	Max. RPM
08L452	4 ½″	⅛″	⅞″	A-24-ALU	13,300
08L502	5″	⅛″	⅞″	A-24-ALU	12,200
08L602	6″	⅛″	⅞″	A-24-ALU	10,200
08L702	7″	⅛″	⅞″	A-24-ALU	8,600
08L902	9″	⅛″	⅞″	A-24-ALU	6,800

1/4″ TYPE 27 – ALUMINUM

- Fast removal rate and long wheel life
- No clogging in any type of aluminum

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08L450	4 ½″	¼″	⅞″	A-24-ALU	13,300
08L500	5″	¼″	⅞″	A-24-ALU	12,200
08L600	6″	¼″	⅞″	A-24-ALU	10,200
08L700	7″	¼″	⅞″	A-24-ALU	8,600
08L900	9″	¼″	⅞″	A-24-ALU	6,800

Pipefitter™ Grinding Wheels



- Outstanding performer 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.

3/32″ TYPE 27 –STEEL / STAINLESS

- Thin for fast and free cutting and grooving
- Can also be used for cutting sheet metal

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08N453	4-½″	3⁄32″	7⁄8″	A-36 PIPE	13,300
08N503	5″	3⁄32″	7⁄8″	A-36 PIPE	12,200
08N603	6″	3⁄32″	7⁄8″	A-36 PIPE	10,200
08N703	7″	3⁄32″	7⁄8″	A-36 PIPE	8,600

1/8″ TYPE 27 –STEEL / STAINLESS

- Ideal for use with low power angle grinders
- Grind joint welds with ease
- Can be used for intermittent light grinding, facing and beveling work

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08N452	4-½″	1⁄8″	7⁄8″	A-36 PIPE	13,300
08N502	5″	1⁄8″	7⁄8″	A-36 PIPE	12,200
08N602	6″	1⁄8″	7⁄8″	A-24 PIPE	10,200
08N702	7″	1⁄8″	7⁄8″	A-24 PIPE	8,600

5/32″ TYPE 27 –STEEL / STAINLESS

- Formulated for light grinding, cutting and notching

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
08N454	4-½″	5⁄32″	7⁄8″	A-36 PIPE	13,300
08N504	5″	5⁄32″	7⁄8″	A-36 PIPE	12,200
08N604	6″	5⁄32″	7⁄8″	A-20 PIPE	10,200
08N704	7″	5⁄32″	7⁄8″	A-20 PIPE	8,600
08N904	9″	5⁄32″	7⁄8″	A-20 PIPE	6,800

Cup Wheels



- Walter cup wheels are widely used for rough grinding or snagging work on concrete or steel.
- Supplied with deeply anchored wrap-around steel hub for maximum safety and long life. 5⁄8″-11 threaded arbor for spin-on mounting.

TYPE 11 –STEEL / STAINLESS

- For heavy duty grinding with excellent wheel life

SKU	Dia.	Arbor	Max RPM
12A004	4″	5⁄8″-11	9,100
12A005	5″	5⁄8″-11	8,600
12A006	6″	5⁄8″-11	6,800

CONCRETE

- For rough grinding on concrete, stone, non-ferrous metals and very hard cast iron. Extremely fast cutting

SKU	Dia.	Arbor	Max RPM
12B004	4″	5⁄8″-11	9,100
12B005	5″	5⁄8″-11	8,600
12B006	6″	5⁄8″-11	6,800

WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

NORZON PLUS Grinding Wheels

BEST/HIGHEST PRODUCTIVITY FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

- 50 to 200% better overall performance vs. competitive zirconia and ceramic wheels
- Lowest total grinding cost; highest productivity
- Up to 10X the performance of aluminum oxide wheels
- 50% or better cut rate than competitive zirconia wheels
- Easy on the operator and equipment



GRINDING – TYPE 27

SKU	Dia.	Thick.	Arbor	Max RPM
66252828805	5"	¼"	⅞"	12.225
66252809376	6"	¼"	⅞"	10,185
66252917880	7"	¼"	⅞"	8,600

CHARGER PLUS Grinding Wheels

BETTER CHOICE FOR STEEL, STAINLESS STEEL AND ALL OTHER FERROUS METALS

- ***High-ratio zirconia alumina blend with aluminum oxide:*** 3 times the life of aluminum oxide wheels – Ideal for stainless steel and carbon steel applications, efficiently grinds a variety of materials from alloys to gray iron –Excellent performance to price ratio lowers total grinding costs
- ***Charger Contaminate Free INOX:*** Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free result; will not contaminate stainless steel

CUTTING / NOTCHING / LIGHT GRINDING – TYPE 27

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66243578252	5"	⅛"	⅞"	***INOX***	12,225
66243578256	6"	⅛"	⅞"	***INOX***	10,185
66243578240	7"	⅛"	⅞"	***INOX***	8,600
66253029867	9"	⅛"	⅞"		6,600
66243578244	9"	⅛"	⅞"	***INOX***	6,600

GRINDING – TYPE 27

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66243578255	5"	¼"	⅝-11"	***INOX***	12,225
66243578254	5"	¼"	⅞"	***INOX***	12,225
66252809372	6"	¼"	⅞"		10,185
66243578258	6"	¼"	⅞"	***INOX***	10,185
66253029869	9"	¼"	⅞"		6,600
66243578246	9"	¼"	⅞"	***INOX***	6,600

INOX = Contaminate Free



GEMINI PLUS Grinding Wheels

GOOD CHOICE FOR STEEL AND FERROUS METALS AS WELL AS SPECIALTY APPLICATIONS IN ALUMINUM AND FOUNDRIES

- ***Quality aluminum oxide:*** Consistent performance at a competitive price
- ***Gemini Contaminate Free INOX:*** Contain <0.1% iron, sulfur or chlorine for rust-free and corrosion-free results; will not contaminate stainless steel
- ***Gemini Aluminum:*** Grind aluminum and soft metals without loading – Contain no wax or rubber fillers

RIGHTCUT CUT-OFF – TYPE 27*

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252819550	5"	.045"	⅞"		12,225
66252823106	5"	.090"	⅞"	***INOX***	12,225
66252801862	5"	.125"	⅞"		12,225
66252819551	6"	.045"	⅞"		10,185
66252832487	6"	.090"	⅞"	***INOX***	10,185

CUTTING / NOTCHING / LIGHT GRINDING – TYPE 27

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252830614	5"	⅛"	⅞"		12,225
66252835579	5"	5⁄32"	⅞"		13,580
66252801864	6"	⅛"	⅞"		10,185
66252835580	6"	5⁄32"	⅞"		10,185
66252939207	7"	⅛"	⅞"		8,600

GRINDING – TYPE 27

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252830615	5"	¼"	⅞"		12,225
66252819570	5"	¼"	⅞"	***INOX***	12,225
66252801865	6"	¼"	⅞"		10,185
66252940098	7"	¼"	⅞"		8,600

INOX = Contaminate Free
**** To be used for cutting only***



CHARGER Small Diameter Cut-Off Wheels



EXCEPTIONAL BLEND OF PERFORMANCE AND PRICE

- Zirconia alumina and aluminum oxide combination provides up to 2X cut rate and up to 3X longer life over conventional aluminum oxide products on stainless and carbon steel.

RIGHTCUT CUT-OFF – TYPE 01*

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252837012	5"	.040"	⅞"		12,225

To be used for cutting only

GEMINI Small Diameter Cut-Off Wheels



GOOD PERFORMANCE, WIDE VARIETY AND GOOD INITIAL PRICE

- Engineered blend of high performance aluminum oxide provides the best starting specification on a wide variety of sizes and thicknesses at a good initial price.

CUT-OFF – TYPE 01

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66243411403	2"	.125"	⅜"	*FC*	30,560

RIGHTCUT CUT-OFF – TYPE 01*

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252832906	4-½"	.045"	⅞"		13,580
66252832907	5"	.045"	⅞"		12,225
66252823600	5"	.090"	⅞"		12,225
66252832908	6"	.045"	⅞"		10,185
66252823601	6"	.090"	⅞"		10,185
66252832323	7"	.060"	⅞"		8,600

RIGHTCUT CUT-OFF – TYPE 27*

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66252900619	7"	.125"	⅞"		8,600

FC = Fast Cut

To be used for cutting only

The Norton brand is known for high quality, product innovation and technology advancements. With over 100 years in abrasives manufacturing, Norton is a recognized world leader

NORTON

Items may not be exactly as illustrated, Specifications may change without notice.

Depressed Center Wheels





- Ultra-Grind™ wheels offer fast metal removal, cutting action & long wheel life on all types of metal applications
- Ultra-Grind™ / Ultra-Chop™ - stainless steel wheels are iron, chlorine and sulphur free, for contamination free grinding & cutting

Metal Type 27

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AA1005	4"	1/8"	5/8"	15,300	25
AA1010	4"	1/4"	5/8"	15,300	25
AA1015	4-1/2"	1/8"	7/8"	15,300	25
AA1020	4-1/2"	1/4"	7/8"	13,200	25
AA1023	5"	3/32"	7/8"	13,200	25
AA1025	5"	1/8"	7/8"	12,200	25
AA1030	5"	1/4"	7/8"	12,200	25
AA1035	6"	1/8"	7/8"	10,000	25
AA1037	6"	3/32"	7/8"	10,000	25
AA1040	6"	1/4"	7/8"	10,000	25

Metal Type 28

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AA1070	7"	1/4"	7/8"	8,600	25

Stainless Steel Type 27

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AA1026	5"	1/8"	5/8"	**12,200**	25
AA1031	5"	1/4"	5/8"	12,200	25
AA1036	6"	1/8"	7/8"	10,000	25
AA1038	6"	3/32"	7/8"	10,000	25
AA1041	6"	1/4"	7/8"	10,000	25

Bench Grinding Wheels



- For general purpose grinding work on bench and pedestal grinders
- Grits 24 and 36 for fast and rough grinding
- Grit 46 for intermediate requirements
- Grits 60 and 80 for a finer finish work
- All 6", 7", 8" and 10" wheels are supplied with nested reducer bushings to fit on 1", ¾", ⅝" and ½"-shafts

TYPE 1 –STEEL

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
12E324	6"	¾"	1"	36 coarse	4,100
12E325	6"	¾"	1"	46 medium	4,100
12E328	6"	¾"	1"	80 fine	4,100
12E344	6"	1"	1"	36 coarse	4,100
12E345	6"	1"	1"	46 medium	4,100
12E348	6"	1"	1"	80 fine	4,100
12E444	7"	1"	1"	36 coarse	3,600
12E447	7"	1"	1"	60 fine	3,600
12E454	7"	1-¼"	1"	36 coarse	3,600
12E457	7"	1-¼"	1"	60 fine	3,600
12E533	8"	⅞"	1"	24 coarse	3,600
12E537	8"	⅞"	1"	60 fine	3,600
12E543	8"	1"	1"	24 coarse	3,600
12E545	8"	1"	1"	46 medium	3,600
12E547	8"	1"	1"	60 fine	3,600
12E553	8"	1-¼"	1"	24 coarse	3,600
12E557	8"	1-¼"	1"	60 fine	3,600
12E643	10"	1"	1"	24 coarse	2,500
12E647	10"	1"	1"	60 fine	2,500
12E653	10"	1-¼"	1"	24 coarse	2,500
12E657	10"	1-¼"	1"	60 fine	2,500

TYPE 1 – CARBIDE

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
12E329	6"	¾"	1"	80 fine	4,100
12E449	7"	1"	1"	80 fine	3,600
12E459	7"	1-¼"	1"	80 fine	3,600
12E539	8"	⅞"	1"	80 fine	3,600
12E549	8"	1"	1"	80 fine	3,600
12E559	8"	1-¼"	1"	80 fine	3,600
12E649	10"	1"	1"	80 fine	2,500

WALTER

Bench Grinding Wheels

- Aluminum Oxide Type 1 'A' Face
- Aluminum oxide, vitrified bond grinding wheels, for general purpose grinding of steel
- 6" – 8" wheels come complete with telescoping bushings down to ½"



SKU	Grit	Dia.	Thick.	Arbor	Max RPM
A1506	A36 Coarse	6"	¾"	1"	4,138
A1507	A46 Medium	6"	¾"	1"	4,138
A1508	A60 Fine	6"	¾"	1"	4,138
A1511	A36 Coarse	6"	1"	1"	4,138
A1512	A46 Medium	6"	1"	1"	4,138
A1513	A60 Fine	6"	1"	1"	4,138
A1531	A36 Coarse	8"	1"	1-¼"	3,600
A1532	A46 Medium	8"	1"	1-¼"	3,600
A1533	A60 Fine	8"	1"	1-¼"	3,600

Bench Wheels

- Green silicon carbide, vitrified bond grinding wheels, for grinding carbide tools



SKU	Grit	Dia.	Thick.	Arbor	Max RPM
A1581	GC80 Medium	6"	¾"	1"	4,136
A1582	GC100 Med/Fine	6"	¾"	1"	4,136
A1583	GC120 Fine	6"	¾"	1"	4,136
A1584	GC60 Coarse	6"	1"	1"	4,136
A1585	GC80 Medium	6"	1"	1"	4,136
A1586	GC100 Med/Fine	6"	1"	1"	4,136
A1587	GC120 Fine	6"	1"	1"	4,136

Desmond Dressers And Cutters

SKU	Size	For Wheels
Dressers		
HA1000	Under 10"	0 Hooded
HA1005	10" to 14"	1 Hooded
HA1010	16" & over	2 Hooded
Cutters		
HA1020	Under 10"	0
HA1025	10" to 14"	1
HA1030	16" & over	2



PTA CANADA

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Ultra-Chop™ Cut -Off Wheels



➔ External reinforced high speed cut-off wheels for use on portable gas and electric saws, provide fast cutting action

Metal Type 1

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AB1120	10"	3/32"	5/8"	6,000	25
AB1135	12"	1/8"	20 mm	6,300	10
AB1155	12"	1/8"	1"	6,300	10
AB1175	14"	1/8"	20 mm	5,400	10
AB1195	14"	1/8"	1"	5,400	10
AB1215	16"	5/32"	1"	3,800	10
AB1220	18"	3/16"	1"	3,400	10
AB1230	20"	3/16"	1"	3,000	10

Concrete Type 1

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AB1140	12"	1/8"	20 mm	6,300	10
AB1160	12"	1/8"	1"	6,300	10
AB1180	14"	1/8"	20 mm	5,400	10
AB1200	14"	1/8"	1"	5,400	10

Premium Chop Saw Wheels Type 1

➔ Premium internal reinforced for faster cutting action and longer life, for use on electric chopsaws

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AB1130P	12"	3/32"	1"	5,100	5
AB1170P	14"	3/32"	1"	4,400	5

Cut -Off Wheels



➔ High speed cut-off wheels for use on die grinders and air cut-off tools

Metal and Stainless Steel Type 1

SKU	Dia.	Thick.	Arbor	Max RPM	Box Qty
AB1003	2"	.040"	1/4"	30,000	25
AB1004	2"	.040"	3/8"	30,000	25
AB1005	2"	1/16"	1/4"	30,000	25
AB1010	2"	1/16"	3/8"	30,000	25
AB1019	2"	1/8"	1/4"	30,000	25
AB1020	2"	1/8"	3/8"	30,000	25
AB1035	2-1/2"	1/16"	3/8"	26,000	25
AB1045	2-1/2"	1/8"	3/8"	26,000	25
AB1054	3"	.040"	1/4"	25,000	25
AB1055	3"	.040"	3/8"	25,000	25
AB1059	3"	1/16"	1/4"	25,000	25
AB1065	3"	1/16"	3/8"	25,000	25
AB1074	3"	1/8"	1/4"	25,000	25
AB1075	3"	1/8"	3/8"	25,000	25
AB1088	4-1/2"	.045"	7/8"	15,000	25
AB1092	5"	.045"	7/8"	12,200	25
AB1096	6"	.045"	7/8"	10,000	25
AB1102	7"	.045"	7/8"	8,600	25

Reusable Adapter Kit

AA2000



Resin Bond Wheels



- Used for heavy duty grinding applications with end grinders and die grinders
- Box Qty - 25

SKU	Dia.	Thick.	Arbor	Max RPM
AB1000	1-½"	½"	⅜"	36,000
AB1025	2"	½"	⅜"	27,120
AB1050	2-½"	½"	⅜"	25,000
AB1080	3"	½"	⅜"	18,080

Cup Wheels



- Steel safety backs
- Box Qty - 12

SKU	Dia.	Thick.	Arbor	Max RPM	Use With
AC1000	4"	2"	⅝ - 11	9,072	Metal A16
AC1010	6"	2"	⅝ - 11	7,258	Metal A16
AC1015	5"	2"	⅝ - 11	6,048	Concrete C8
AC1020	6"	2"	⅝ - 11	7,258	Metal A16
AC1025	6"	2"	⅝ - 11	6,048	Concrete C8

G.P. Bushings



SKU	Description
AA5010	1-½" x 1-¼" x 15⁄16" Wide
AA5048	1" - ¾" - ⅝" - ½" x ¾" Wide
AA5052	1" - ¾" - ⅝" - ½" x 1" Wide
AA5054	1-¼" - 1" - ⅞" - ¾" - ⅝" - ½" x ½" Wide

Resin Bond Plug Wheels



- Used on end grinders for grinding welds, cleaning castings and general metal removal
- Box Qty - 1

SKU	Dia.	Thick.	Arbor	Max RPM	Type
AD1005	1-¼"	3"	⅝-11NC	29,030	T16
AD1015	1-½"	3"	⅝-11NC	24,192	T16
AD1040	2"	3"	⅝-11NC	18,144	T16
AD1070	2-¾"	3"	⅝-11NC	13,195	T16
AD1075	3"	4"	⅝-11NC	12,096	T16
AD1000	1"	2"	⅜-24NF	36,287	T18
AD1010	1-¼"	3"	⅝-11NC	29,030	T18
AD1020	1-½"	3"	⅜-24NF	24,192	T18
AD1025	1-½"	3"	⅝-11NC	24,192	T18
AD1050	2"	3"	⅝-11NC	18,144	T18
AD1060	2"	4"	⅝-11NC	18,144	T18
AD1080	3"	4"	⅝-11NC	12,096	T18
AD1030	1-½"	3"	⅝-11NC	24,192	T18R
AD1055	2"	3"	⅝-11NC	18,144	T18R
AD1065	2"	4"	⅝-11NC	18,144	T18R
AD1085	3"	4"	⅝-11NC	12,096	T18R

Mandrels



SKU	Shank	Thick.	Arbor
AB0992	¼"	½" to ¾""	⅜"
AB0993	¼"	Up to 3⁄16"	¼" & ⅜"

Items may not be exactly as illustrated, Specifications may change without notice.

Burrs – 1/4" Shank

- PTA Carbide Burrs are precision ground from the highest quality solid carbide, then brazed to hardened steel shanks.
- Double Cut: With their chisel tooth cutting pattern, these burrs produce small chips instead of long, sharp slivers. This eliminates loading of the burr's flutes and minimizes chatter. This is the smoothest and most popular cutting style. Best on steel, stainless steel, alloys and exotics.
- Fast Mill Cut *(Aluminum)*: The milling cutter style flute provides rapid chip flow and extremely quick stock removal. These burrs are best on aluminum, nonferrous metals, reinforced plastics and other soft materials.
- **All Sizes are Diameter x Length**

"SA" Cylindrical



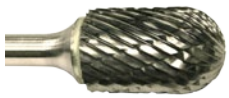
Double Cut	
SA12DC	1/8 x 5/8
SA14DC	3/16 x 5/8
SA16DC	3/4 x 3/4
SA1DC	1/4 x 5/8
SA1ADC	1/4 x 1
SA2DC	5/16 x 3/4
SA2ADC	5/16 x 1
SA3DC	3/8 x 3/4
SA3ADC	3/8 x 1
SA4DC	7/16 x 1
SA5DC	1/2 x 1
SA6DC	5/8 x 1
SA7DC	3/4 x 1
SA9DC	1 x 1

"SB" Cylindrical End Cut



Double Cut	
SB12DC	1/8 x 5/8
SB14DC	3/16 x 5/8
SB1DC	1/4 x 5/8
SB1ADC	1/4 x 1
SB2DC	5/16 x 3/4
SB2ADC	5/16 x 1
SB3DC	3/8 x 3/4
SB3ADC	3/8 x 1
SB4DC	7/16 x 1
SB5DC	1/2 x 1
SB6DC	5/8 x 1
SB16DC	3/4 x 3/4
SB7DC	3/4 x 1
SB9DC	1 x 1

"SC" Cylindrical Ball Nose



Double Cut	
SC12DC	1/8 x 5/8
SC14DC	3/16 x 5/8
SC1DC	1/4 x 5/8
SC1ADC	1/4 x 1
SC2DC	5/16 x 3/4
SC2ADC	5/16 x 1
SC3DC	3/8 x 3/4
SC3ADC	3/8 x 1
SC4DC	7/16 x 1
SC5DC	1/2 x 1
SC6DC	5/8 x 1
SC7DC	3/4 x 1

"SD" Round (Ball)



Double Cut	
SD12DC	1/8
SD14DC	3/16
SD1DC	1/4
SD2DC	5/16
SD3DC	3/8
SD4DC	7/16
SD5DC	1/2
SD6DC	5/8
SD7DC	3/4
SD9DC	1

"SE" Oval (Egg)



Double Cut	
SE1DC	1/4 x 3/8
SE1ADC	1/4 x 1/2
SE3DC	3/8 x 5/8
SE5DC	1/2 x 7/8
SE6DC	5/8 x 1
SE7DC	3/4 x 1

"SF" Round Tree



Double Cut	
SF1DC	1/4 x 5/8
SF1ADC	1/4 x 3/4
SF3DC	3/8 x 3/4
SF4DC	7/16 x 1
SF13DC	1/2 x 3/4
SF5DC	1/2 x 1
SF6DC	5/8 x 1
SF7DC	3/4 x 1
SF15DC	3/4 x 1-1/2

"SG" Pointed Tree



Double Cut	
SG1DC	1/4 x 5/8
SG1ADC	1/4 x 3/4
SG3DC	3/8 x 3/4
SG13DC	1/2 x 3/4
SG5DC	1/2 x 1
SG6DC	5/8 x 1
SG7DC	3/4 x 1
SG15DC	3/4 x 1-1/2

"SH" Flame



Double Cut	
SH1DC	1/4 x 1/2
SH2DC	5/16 x 3/4
SH5DC	1/2 x 1-1/4
SH6DC	5/8 x 1-7/16
SH7DC	3/4 x 1-5/8

"SJ" 60° Countersink



Single Cut	
SJ3SC	3/8 x 1/4
SJ5SC	1/2 x 7/16
SJ6SC	5/8 x 1/2
SJ7SC	3/4 x 5/8
SJ9SC	1 x 3/4

"SK" 90° Countersink



Single Cut	
SK3SC	3/8 x 3/16
SK5SC	1/2 x 1/4
SK6SC	5/8 x 5/16
SK7SC	3/4 x 3/8
SK9SC	1 x 1/2

"SL" 14° Included Angle



Double Cut	
SL1DC	1/4 x 5/8
SL2DC	5/16 x 7/8
SL3DC	3/8 x 1-1/16
SL4DC	1/2 x 1-1/8
SL6DC	5/8 x 1-5/16
SL7DC	3/4 x 1-1/2
6" Long Double Cut	
SL1DC6OAL	1/4 x 5/8
SL3DC6OAL	3/8 x 1-1/16
SL4DC6OAL	1/2 x 1-1/8

"SL" 14° Included Angle



Fast Mill Cut	
SL3FMC	3/8 x 1-1/16
SL4FMC	1/2 x 1-1/8

PTA CANADA

Burrs – 1/4" Shank

- PTA Carbide Burrs are precision ground from the highest quality solid carbide, then brazed to hardened steel shanks.
- Double Cut: With their chisel tooth cutting pattern, these burrs produce small chips instead of long, sharp slivers. This eliminates loading of the burr's flutes and minimizes chatter. This is the smoothest and most popular cutting style. Best on steel, stainless steel, alloys and exotics.
- Fast Mill Cut *(Aluminum)*: The milling cutter style flute provides rapid chip flow and extremely quick stock removal. These burrs are best on aluminum, nonferrous metals, reinforced plastics and other soft materials.
- **All Sizes are Diameter x Length**

"SM" Cone



Double Cut	
SM1DC	¼ x ½
SM2DC	¼ x ¾
SM3DC	¼ x 1
SM3ADC	¼ x 1-¼
SM3BDC	5⁄16 x ¾
SM4DC	⅜ x ⅝
SM4ADC	⅜ x 1
SM5DC	½ x ⅞
SM6DC	⅝ x 1
6" Long Double Cut	
SM1DC6OAL	¼ x ½
SM3DC6OAL	¼ x 1
SM5DC6OAL	½ x ⅞

"SN" Inverted Cone



Double Cut	
SN1DC	¼ x 5⁄16
SN3DC	½ x ½
SN6DC	⅝ x ⅜
SB7DC	¾ x ⅝
SB9DC	1 x 1
Plus End Cut	
SN1EDC	¼ x 5⁄16
SN3EDC	½ x ½

Concave Radius



Double Cut	
CBUWDC	¼ x 3⁄16
EDUWDC	⅜ x 5⁄16
GEUWDC	½ x ⅜

Convex Concave



Double Cut	
CLRUWDC	¼ x 1
ECLUWDC	⅜ x 1

Carbide Thin Disc Flat



Single Cut	
X261SCF	¼ x 3⁄32
X262SCF	5⁄16 x 3⁄32
X263SCF	⅜ x ⅛
X264SCF	½ x ⅛
X265SCF	⅝ x ⅛
X266SCF	¾ x 5⁄32
X267SCF	⅞ x 5⁄32
X268SCF	1 x 3⁄16

Burr Sets and Displays – 1/4" Shank

SKU	Set Size	Head Size	Burrs
C250-8	8 Piece	¼	SA1DC, SC1DC, SD1DC, SE1DC, SFIDC, SG1DC, SL1DC, SM1DC, Case
C375-6A	6 Piece	⅜	SA3FMC, SC3FMC, SD3FMC, SE3FMC, SF3FMC,SG3FMC
C375-8	8 Piece	⅜	SA3DC, SC3DC, SD3DC, SE3DC, SF3DC, SG3DC, SL3DC, SM4DC, Case
C500-6A	6 Piece	½	SA5FMC, SC5FMC, SD5FMC, SE5FMC, SF5FMC, SG5FMC
C500-8	8 Piece	½	SA5DC, SC5DC, SDSDC, SE5DC, SF5DC, SG5DC, SL4DC, SM5DC, Case
C927-8	8 Piece	¼, ⅜, ½	SA5DC, SC1DC, SD3DC, SE5DC, SF1DC, SG3DC, SM1DC, SL3DC, Case



SKU	Description
CBD30-1	1 each of the burrs listed below
CBD30-2	2 each of the burrs listed below
	CLRUWDC, SA1DC, SA3DC, SA5DC, SB1ADC, SB3DC, SC1DC, SC3DC, SC5DC, SD1DC, SD3DC, SD5DC, SE3DC, SE5DC, SF1DC, SF3DC, SF5DC, SG1DC, SG3DC, SG5DC, SH2DC, SJ3SC, SK3SC, SL1DC, SL3DC, SM1DC, SM2DC, SM4DC, SN1EDC, SN3DC



PTA CANADA

Items may not be exactly as illustrated, Specifications may change without notice.

Burrs – 1/8" Shank

- PTA Carbide Burrs are precision ground from the highest quality solid carbide, then brazed to hardened steel shanks.
- Double Cut: With their chisel tooth cutting pattern, these burrs produce small chips instead of long, sharp slivers. This eliminates loading of the burr's flutes and minimizes chatter. This is the smoothest and most popular cutting style. Best on steel, stainless steel, alloys and exotics.
- Fast Mill Cut *(Aluminum)*: The milling cutter style flute provides rapid chip flow and extremely quick stock removal. These burrs are best on aluminum, nonferrous metals, reinforced plastics and other soft materials.
- **All Sizes are Diameter x Length**

"SA" Cylindrical



Double Cut	
SA41DC	1/16 x 1/4
SA42DC	3/32 x 7/16
SA43DC	1/8 x 9/16
SA51DC	1/4 x 1/2
SA53DC	3/16 x 1/2

"SB" Cylindrical End Cut



Double Cut	
SB51DC	1/4 x 3/16

"SC" Cylindrical Ball Nose



Double Cut	
SC41DC	3/32 x 7/16
SC42DC	1/8 x 9/16
SC51DC	1/4 x 1/2

"SD" Round (Ball)



Double Cut	
SD41DC	3/32
SD42DC	1/8
SD51DC	1/4
SD53DC	3/16

"SE" Oval (Egg)



Double Cut	
SE41DC	1/8 x 1/4
SE51DC	1/4 x 3/8

"SF" Round Tree



Double Cut	
SF41DC	1/8 x 1/4
SF42DC	1/8 x 1/2
SF51DC	1/4 x 1/2
SF53DC	3/16 x 1/2

"SG" Pointed Tree



Double Cut	
SG41DC	1/8 x 1/4
SG43DC	1/8 x 3/8
SG44DC	1/8 x 1/2
SG51DC	1/4 x 1/2

"SH" Flame



Double Cut	
SH41DC	1/8 x 1/4

"SL" 14° Included Angle



Double Cut	
SL41DC	1/8 x 3/8
SL42DC	1/8 x 1/2
SL53DC	3/16 x 1/2

"SM" Cone



Double Cut	
SM41DC	1/8 x 11/32
SM42DC	1/8 x 7/16
SM43DC	1/8 x 5/8

"SN" Inverted Cone



Double Cut	
SN42DC	1/8 x 3/16

PTA CANADA

Cones & Plugs

- For consistent, quality performance in foundries, welding shops, fabrication facilities, steel mills and shipyards, Norton cones and plugs maximize your productivity. Choose Norton Gemini Cones and Plugs for a strong performance to price relationship on all steel, steel alloys and irons.
- Typical applications include hard-to-reach areas inside castings, removing flaws and cracks, and removing metal in corners.



SKU	Type	Size	Max RPM
61463622190	Type 16 Cone	1-1/2 x 3 x 5/8-11	24,190
61463622218	Type 16 Cone	2 x 3 x 5/8-11	18,145
61463622219	Type 18 Plug, Square Tip	2 x 3 x 5/8-11	18,145
61463622192	Type 18R Plug, Round Tip	1-1/2 x 3 x 3/8-24	24,190
61463622220	Type 18R Plug, Round Tip	2 x 3 x 5/8-11	18,145

NORTON

Mounted Points

- General purpose vitrified mounted points are stocked in the industry standard 60 grit

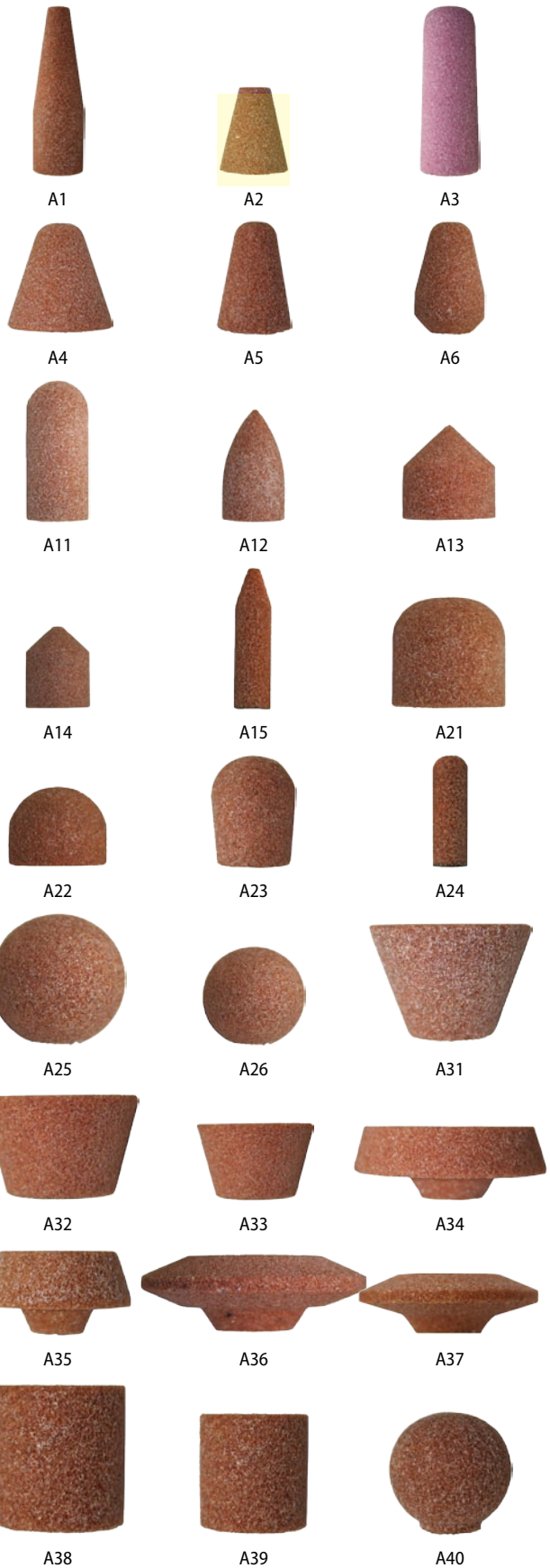
"A" Shapes WA60-RVR Salmon ¼ Shank

SKU	Shape	Dia. x Length	Max RPM	Pkg Qty
AG1001	A1	¾ x 2-½	19,500	5
AG1011	A2	1 x 1-¼	38,200	5
AG1022	A3 White	1 x 2-¾	16,100	5
AG1023	A3 Pink	1 x 2-¾	16,100	5
AG1031	A4	1-¼ x 1-¼	30,560	5
AG1041	A5	¾ x 1-⅛	45,000	5
AG1051	A6	¾ x 1-⅛	39,000	5
AG1061	A11	⅞ x 2	19,860	5
AG1071	A12	11⁄16 x 1-¼	48,000	5
AG1081	A13	1-⅛ x 1-⅛	33,950	5
AG1091	A14	11⁄16 x ⅞	55,560	5
AG1101	A15	¼ x 1- 1⁄16	72,750	5
AG1111	A21	1 x 1	34,500	5
AG1121	A22	¾ x ⅝	50,930	5
AG1131	A23	¾ x 1	39,370	5
AG1141	A24	¼ x ¾	76,500	5
AG1151	A25	1 x 1	35,620	5
AG1161	A26	⅝ x ⅝	61,120	5
AG1171	A31	1-⅜ x 1	27,780	5
AG1181	A32	1 x ⅝	38,200	5
AG1201	A34	1-½ x ⅜	25,470	5
AG1211	A35	1 x ⅜	38,200	5
AG1221	A36	1-⅝ x ⅜	23,520	5
AG1231	A37	1-¼ x ¼	30,560	5
AG1241	A38	1 x 1	34,500	5
AG1251	A39	¾ x ¾	47,250	5
AG1261	A40	¾ x ¾	47,250	5

"A" Shapes GA60-RVE Gray ¼ Shank

SKU	Shape	Dia. x Length	Max RPM*	Pkg Qty
AG1040	A5	¾ x 1-⅛	45,000	5
AG1060	A11	⅞ x 2	19,860	5
AG1100	AI5	¼ x 1-1⁄16	72,750	5
AG1150	A25	1 x 1	35,620	5
AG1160	A26	⅝ x ⅝	61,120	5
AG1200	A34	1-½ x ⅜	25,470	5
AG1220	A36	1-⅝ X ⅜	23,520	5
AG1240	A38	1 x 1	34,500	5

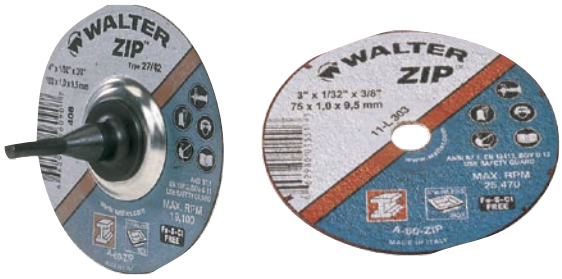
* Max RPM's shown are based on a 1/2" overhang



PTA CANADA

Items may not be exactly as illustrated, Specifications may change without notice.

ZIP™



- Performance cutting and grinding with straight shaft and die grinders
- These wheels are formulated for high performance cutting, notching and grinding. They are made from highly refined ingredients which will not contaminate stainless steel.

TYPE 1 – STEEL / STAINLESS

- Fast, cool and free cutting allowing the operator to work with minimal pressure for best control
- Excellent wheel life

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
11L211	2″	1/16″	5/16″	A-24-ZIP	31,000
11L221	2″	1/8″	5/16″	A-24-ZIP	31,000
11L231	2″	1/4″	5/16″	A-24-ZIP	31,000
11L251	2″	1/2″	5/16″	A-24-ZIP	31,000
11L213	2″	1/16″	3/8″	A-24-ZIP	31,000
11L223	2″	1/8″	3/8″	A-24-ZIP	31,000
11L233	2″	1/4″	3/8″	A-24-ZIP	31,000
11L253	2″	1/2″	3/8″	A-24-ZIP	31,000
11L302	3″	1/32″	1/4″	A-60-ZIP	25,470
11L312	3″	1/16″	1/4″	A-24-ZIP	25,470
11L322	3″	1/8″	1/4″	A-24-ZIP	25,470
11L303	3″	1/32″	3/8″	A-60-ZIP	25,470
11L313	3″	1/16″	3/8″	A-24-ZIP	25,470
11L323	3″	1/8″	3/8″	A-24-ZIP	25,470
11L333	3″	1/4″	3/8″	A-24-ZIP	25,470
11L353	3″	1/2″	3/8″	A-24-ZIP	25,470
11L403	4″	1/32″	3/8″	A-60-ZIP	19,100
11L413	4″	1/16″	3/8″	A-24-ZIP	19,100
11L423	4″	1/8″	3/8″	A-24-ZIP	19,100
11L433	4″	1/4″	3/8″	A-24-ZIP	19,100
11L453	4″	1/2″	3/8″	A-24-ZIP	19,100
11L405	4″	1/32″	5/8″	A-60-ZIP	19,100
11L415	4″	1/16″	5/8″	A-24-ZIP	19,100

TYPE 27 – STEEL / STAINLESS

- Ideal for flush cutting
- Metal hub cladding for extra strength and safety

SKU	Dia.	Thick.	Arbor	Grade	Max
11L308*	3″	1/32″	3/8″	A-60-ZIP	25, 470
11L408**	4″	1/32″	3/8″	A-60-ZIP	19, 100

* Use with 1/4″ mandrel 11L007

** Use with 1/4″ mandrel 11L003



ZIP+™



- Superior performance cutting
- This new generation of cut-off wheels are specially formulated for the most demanding cutting applications with portable angle grinders. They feature an integrated rib design for better rigidity, cooler cutting and straighter cuts. Used daily by metal fabricators, maintenance departments, sheet metal shops, welding shops, mechanical contractors, equipment manufacturers, automotive shops, etc.

TYPE 1 – STEEL / STAINLESS

- Cut fast, cool and free allowing the operator to work with minimal pressure for best control.

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11T242	4-1/2″	1/16″ (.062″)	7/8″	A-46-ZIP	13,300
11T252	5″	1/16″ (.062″)	7/8″	A-46-ZIP	12,200

TYPE 27 – STEEL / STAINLESS

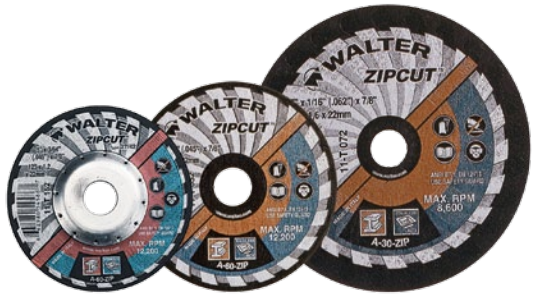
- Equipped with a metal hub cladding for extra strength, control and safety
- The preferred wheel for flush cutting in confined spaces.

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11T453	4-1/2″	1/16″ (.062″)	7/8″	A-46-ZIP	13,300
11T503	5″	1/16″ (.062″)	7/8″	A-46-ZIP	12,200
11T603	6″	1/16″ (.062″)	7/8″	A-46-ZIP	10,200



WALTER

ZIPCUT™



- High performance cutting with angle grinders and circular saws
- They cut faster, freer and cooler, requiring less power than standard thin cut-off wheels. They are heavily reinforced for extra safety and yet are very flexible and resilient to resist twisting and bending and will give a true and straight cut every time.

TYPE 1 – STEEL / STAINLESS

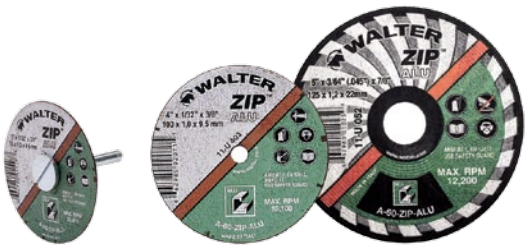
SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11T042	4-½"	3/64" (.045")	7/8"	A-60-ZIP	13,300
11T052	5"	3/64" (.045")	7/8"	A-60-ZIP	12,200
11T062	6"	3/64" (.045")	7/8"	A-60-ZIP	10,200
11T072	7"	1/16" (.062")	7/8"	A-30-ZIP	8,600
11T092	9" *	5/64" (.078")	7/8"	A-30-ZIP	6,800

* Should be used with 3" clamping flanges No. 30B022 *(according to ANSI B7.1)*

TYPE 27 – STEEL / STAINLESS

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11T142	4-½"	3/64" (.045")	7/8"	A-60-ZIP	13,300
11T152	5"	3/64" (.045")	7/8"	A-60-ZIP	12,200
11T162	6"	3/64" (.045")	7/8"	A-60-ZIP	10,200
11T172	7"	1/16" (.062")	7/8"	A-30-ZIP	8,600
11T192	9"	5/64" (.078")	7/8"	A-30-ZIP	6,800

ZIP™ ALU



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

TYPE1 – ALUMINUM

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11-U 303	3"	1/32"	3/8"	A-60-ZIP-ALU	25,470
11-U 403	4"	1/32"	3/8"	A-60-ZIP-ALU	19,100
11-U 042	4-½"	3/64" (.045")	7/8"	A-60-ZIP-ALU	13,300
11-U 052	5"	3/64" (.045")	7/8"	A-60-ZIP-ALU	12,200
11-U 062	6"	3/64" (.045")	7/8"	A-60-ZIP-ALU	10,200
11-U 072	7"	1/16" (.062")	7/8"	A-30-ZIP-ALU	8,600

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 – STAINLESS

- Specially designed for stainless steel fabricators
- Extra fast cutting of pipes or solids

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11F042	4-½"	3/64" (.045")	7/8"	A-60-SS-ZIP	13,300
11F052	5"	3/64" (.045")	7/8"	A-60-SS-ZIP	12,200
11F062	6"	3/64" (.045")	7/8"	A-60-SS-ZIP	10,200
11F072	7"	1/16" (.062")	7/8"	A-46-SS-ZIP	8,600
11F092	9"	5/64" (.078")	7/8"	A-46-SS-ZIP	6,800

TYPE 27 – STAINLESS

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

SKU	Dia.	Thickness	Arbor	Grade	Max RPM
11F142	4-½"	3/64" (.045")	7/8"	A-60-SS-ZIP	13,300
11F152	5"	3/64" (.045")	7/8"	A-60-SS-ZIP	12,200
11F162	6"	3/64" (.045")	7/8"	A-60-SS-ZIP	10,200
11F172	7"	1/16" (.062")	7/8"	A-46-SS-ZIP	8,600
11F192	9"	5/64" (.078")	7/8"	A-46-SS-ZIP	6,800

WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

Toughcut™

- Performance cutting with angle grinders and circular saws
- These thin wheels for angle grinders and circular saws are made with the characteristics of these tools in mind. They will cut fast and free without binding to minimize the load on the tool and maintain high RPM for a clean cut and best all-around performance.



TYPE 1 – STEEL / STAINLESS

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
11R042	4-½″	3⁄32″	7⁄8″	A-30	13,300
11R052	5″	3⁄32″	7⁄8″	A-30	12,200
11R062	6″	3⁄32″	7⁄8″	A-30	10,200
11R072	7″	3⁄32″	7⁄8″	A-30	8,600
11R092*	9″	3⁄32″	7⁄8″	A-30	6,800

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

Reducer Bushing

10A984
7⁄8″ to 5⁄8″

WALTER

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.

GENERAL PURPOSE TYPE 1 – STEEL / STAINLESS

- The wheel of choice for solids
- Fast cutting rate with long wheel life

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
10-Q 123	12″	3⁄32″	1″	A-30-HC+	5,200
10-Q 143	14″	3⁄32″	1″	A-30-HC+	4,400
10-Q 163	16″	7⁄64″	1″	A-30-HC+	3,800

HIGH PERFORMANCE TYPE 1 – STEEL

- The wheel of choice for tubing and extrusions
- Optimized for use on low power chop saws – reduces load on machine and creates less burr

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
10-P 123	12″	3⁄32″	1″	A-30	5,200
10-P 143	14″	3⁄32″	1″	A-30	4,400
10-P 163	16″	7⁄64″	1″	A-30	3,800

ALU TYPE 1 – ALUMINUM

- Fast and free cutting in all types of aluminum and non-ferrous metals
- Unique formulation which guarantees no clogging

SKU	Dia.	Thick.	Arbor	Grade	Max RPM
10-L 123	12″	3⁄32″	1″	A-30-ALU	5,200
10-L 143	14″	3⁄32″	1″	A-30-ALU	4,400

WALTER

Chop Saw Reinforced Cut-Off



GEMINI

- Good choice for all steel and ferrous metals as well as specialty applications in aluminum
- Long Life: side reinforced – Ideal for small cross-section workpieces

STRAIGHT CUT-OFF – TYPE 01

SKU	Dia.	Thick.	Arbor	Note	Max RPM
66253306626	14"	7⁄64"	1"	Long Life	4,365

CHARGER

- Better choice for steel, stainless steel and all other ferrous metals
- Zirconia alumina/aluminum oxide
- 2X the life and cut rate of aluminum oxide abrasive blend

STRAIGHT CUT-OFF – TYPE 01

SKU	Dia.	Thick.	Arbor	Max RPM
66253306623	14"	1⁄8"	1"	4,365

NORTON

Enduro-Flex™

The one step finishing disc

- Today's Enduro-Flex one-step finishing discs not only meet but surpass the challenges that the metal fabricating and finishing industry faces daily. A new, ultra sharp and refined zirconium grain stays sharper longer to remove more material faster. A special top coat continuously cools and lubricates the disc for smooth, vibration-free grinding and sanding from start to finish.
- Will not smear or contaminate the workpiece
- Patented backing has now even more reinforcing ribs for added safety
- Backing can be trimmed down easily for a customized feel
- Quiet and vibration-free grinding
- Complete control and total operator comfort
- Will not smear or contaminate the workpiece
- Flexible backing wears down without the nuisance dust often associated with fibreglass backed discs

Steel / Stainless

SKU	Dia.	Arbor	Grit	Max RPM
06B454	4-½"	5/8"-11	40	13,300
06B456	4-½"	5/8"-11	60	13,300
06B458	4-½"	5/8"-11	80	13,300
06B462	4-½"	5/8"-11	120	13,300
06B504	5"	5/8"-11	40	12,200
06B506	5"	5/8"-11	60	12,200
06B508	5"	5/8"-11	80	12,200
06B512	5"	5/8"-11	120	12,200
06B604	6"	5/8"-11	40	10,200
06B606	6"	5/8"-11	60	10,200
06B608	6"	5/8"-11	80	10,200
06B612	6"	5/8"-11	120	10,200
15R454	4-½"	7/8"	40	13,300
15R456	4-½"	7/8"	60	13,300
15R458	4-½"	7/8"	80	13,300
15R462	4-½"	7/8"	120	13,300
15R504	5"	7/8"	40	12,200
15R506	5"	7/8"	60	12,200
15R508	5"	7/8"	80	12,200
15R512	5"	7/8"	120	12,200
15R704	7"	7/8"	40	8,600
15R706	7"	7/8"	60	8,600
15R708	7"	7/8"	80	8,600
15R712	7"	7/8"	120	8,600

Always use with flange 30B017





WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

Enduro-Flex™ Stainless Flap Discs

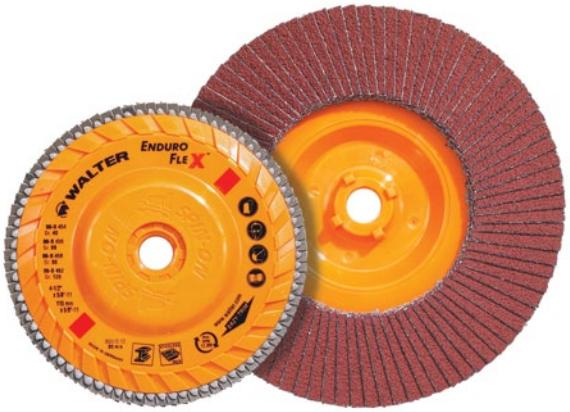
- **With new ECO-TRIM™ backing –** The very latest in flap disc technology!
- HIGHER PRODUCTIVITY Heat absorbent, high-tech material ensures cooler grinding – the discs hug the workpiece for best control.
- MAXIMUM OPERATOR SAFETY Flap discs contain no fiberglass, no mineral fibers and no epoxy resin.
- ENVIRONMENTALLY FRIENDLY Made from natural raw materials the worn down stub can be disposed of safely leaving virtually zero residue.
- CONVENIENT AND SAFE Enduro-Flex flap discs feature an ultra resistant built-in threaded arbor for quick and easy disc changes while ensuring total operator safety.
- A new raised hub fits all standard angle grinder back flanges.
- Fe free abrasive cloth
- Consistent finish without any discoloration
- Cool cutting will not load up or glaze
- Superior performance on all heat sensitive metals



Stainless / Aluminum and Alloys

SKU	Dia.	Arbor	Grit	Max RPM
06F454	4-½"	⅝"-11	40	13,300
06F456	4-½"	⅝"-11	60	13,300
06F458	4-½"	⅝"-11	80	13,300
06F462	4-½"	⅝"-11	120	13,300
06F504	5"	⅝"-11	40	12,200
06F506	5"	⅝"-11	60	12,200
06F508	5"	⅝"-11	80	12,200
06F512	5"	⅝"-11	120	12,200
06F604	6"	⅝"-11	40	10,200
06F606	6"	⅝"-11	60	10,200
06F608	6"	⅝"-11	80	10,200
06F612	6"	⅝"-11	120	10,200

Always use with flange 30B017



Flexcut™

- Premium performance flexible grinding wheel
- 4-½" and 5" Flexcut flexible grinding wheels are now available with the unique *SPIN-ON* quick change mounting system for better comfort and maximum productivity.
- 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)



Steel / Stainless / Aluminum

SKU	Dia.	Arbor	Grit	Max RPM
15L453	4-½"	⅝"-11	A-36-X-FLEX	13,300
15L456	4-½"	⅝"-11	A-60-X-FLEX	13,300
15L460	4-½"	⅝"-11	A-100-X-FLEX	13,300
15L503	5"	⅝"-11	A-36-X-FLEX	12,200
15L506	5"	⅝"-11	A-60-X-FLEX	12,200
15L510	5"	⅝"-11	A-100-X-FLEX	12,200
15L602	6"	⅞"	A-24-X-FLEX	10,200
15L603	6"	⅞"	A-36-X-FLEX	10,200
15L606	6"	⅞"	A-60-X-FLEX	10,200
15L702	7"	⅞"	A-24-X-FLEX	8,600
15L703	7"	⅞"	A-36-X-FLEX	8,600
15L706	7"	⅞"	A-60-X-FLEX	8,600
15L710	7"	⅞"	A-100-X-FLEX	8,600

Always use Spin-On Wheels with flange 30B017



WALTER

TWINSTAR Flap Discs

- Premium ceramic and zirconia alumina abrasive blend for excellent performance and efficiencies on stainless steel applications
- Type 27 flat face style, with a plastic back is more forgiving than Type 29, producing smooth finishes
- Plastic back wears away with the abrasive for longer life
- NEW! Norton Quick Trim TwinStar flap discs with new trimmable, flexible plastic back plate
- Abrasive: Ceramic Alumina/ Zirconia Alumina



TYPE 27 FLAT

SKU	Dia.	Arbor	Grit	Max RPM
66254491943	5"	5/8"-11	40	12,000

MERIT Flap Discs

- Ideal general-purpose flap disc
- Made with quality zirconia alumina abrasive for fast cutting and fine finishes
- Phenolic resin back plate
- Great value for MRO operations
- Choose conical Type 27C for most aggressive acting flap disc



TYPE 27 FLAT STANDARD FLAP

SKU	Dia.	Arbor	Grit	Max RPM
66254491774	6"	5/8"-11	60	10,200
66254491775	6"	5/8"-11	80	10,200

TYPE 29 CONICAL STANDARD FLAP

SKU	Dia.	Arbor	Grit	Max RPM
08834193687	5"	5/8"-11	80	12,000
66254420001	5"	7/8"	40	12,000
66254420002	5"	7/8"	60	12,000
66254420003	5"	7/8"	80	12,000
66254491776	6"	7/8"	40	10,200
66254491777	6"	7/8"	60	10,200
66254491778	6"	7/8"	80	10,200

Flap Wheel Adapter and Bushings

- For Grind-O-Flex
- Wheel Diameter: 4- 8"
- ¼" Shank Adapter

08834125003



NORTON

Items may not be exactly as illustrated, Specifications may change without notice.

Flap Discs

- Flap discs allow grinding, blending and finishing with one product
- Zirconia grains offer extra long life on steel and stainless steel
- Flap discs can outlast Resin Fibre discs up to 30 times

Phenolic Back Zirconia T-29s

SKU	Dia.	Arbor	Grit	Max RPM
D5000	4-½"	⅞"	36	13,300
D5005	4-½"	⅞"	40	13,300
D5010	4-½"	⅞"	60	13,300
D5015	4-½"	⅞"	80	13,300
D5020	4-½"	⅞"	120	13,300
D5040	5"	⅞"	36	12,150
D5045	5"	⅞"	40	12,150
D5050	5"	⅞"	60	12,150
D5055	6"	⅞"	80	12,150
D5060	6"	⅞"	120	12,150
D5070	6"	⅞"	36	10,200
D5072	6"	⅞"	40	10,200
D5074	6"	⅞"	60	10,200
D5076	6"	⅞"	80	10,200
D5078	6"	⅞"	120	10,200
D5080	7"	⅞"	36	8,600
D5085	7"	⅞"	40	8,600
D5090	7"	⅞"	60	8,600
D5095	7"	⅞"	80	8,600
D5100	7"	⅞"	120	8,600



Phenolic Back Zirconia T-29s

- U1tra-Grind'" metal hub flap discs provide rigid support for maximum aggression in heavy duty applications

SKU	Dia.	Arbor	Grit	Max RPM
D5111	4-½"	⅝-11	40	13,280
D5112	4-½"	⅝-11	60	13,280
D5113	4-½"	⅝-11	80	13,280
D5114	4-½"	⅝-11	120	13,280
D5121	5"	⅝-11	40	12,200
D5122	5"	⅝-11	60	12,200
D5123	5"	⅝-11	80	12,200
D5124	5"	⅝-11	120	12,200
D5131	6"	⅝-11	40	10,200
D5132	6"	⅝-11	60	10,200
D5133	6"	⅝-11	80	10,200
D5134	6"	⅝-11	120	10,200
D5141	7"	⅝-11	40	8,600
D5142	7"	⅝-11	60	8,600
D5143	7"	⅝-11	80	8,600
D5144	7"	⅝-11	120	8,600



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 highest quality finishing.
- They are ideal for general purpose blending, shaping and deburring and will give a consistent and uniform grained satin finish in no time.



1/4″ SHANK

Steel / Stainless / Aluminum

SKU	Dia.	Width	Grit	Max RPM	Optimal RPM
15F054	1″	⅜″	40	30,000	27,500
15F056	1″	⅜″	60	30,000	27,500
15F058	1″	⅜″	80	30,000	27,500
15F062	1″	⅜″	120	30,000	27,500
15F154	1″	1″	40	30,000	27,500
15F156	1″	1″	60	30,000	27,500
15F158	1″	1″	80	30,000	27,500
15F162	1″	1″	120	30,000	27,500
15F004	1-½″	⅜″	40	25,000	19,100
15F006	1-½″	⅜″	60	25,000	19,100
15F008	1-½″	⅜″	80	25,000	19,100
15F012	1-½″	⅜″	120	25,000	19,100
15F104	1-½″	1″	40	25,000	19,100
15F106	1-½″	1″	60	25,000	19,100
15F108	1-½″	1″	80	25,000	19,100
15F112	1-½″	1″	120	25,000	19,100
15F124	1-½″	1″	240	25,000	19,100
15F204	2″	⅜″	40	25,000	15,200
15F206	2″	⅜″	60	25,000	15,200
15F208	2″	⅜″	80	25,000	15,200
15F212	2″	⅜″	120	25,000	15,200
15F304	2″	1″	40	25,000	15,200
15F306	2″	1″	60	25,000	15,200
15F308	2″	1″	80	25,000	15,200
15F312	2″	1″	120	25,000	15,200
15F324	2″	1″	240	25,000	15,200
15F504	2-½″	1-½″	40	20,000	12,700
15F506	2-½″	1-½″	60	20,000	12,700
15F508	2-½″	1-½″	80	20,000	12,700
15F512	2-½″	1-½″	120	20,000	12,700
15F524	2-½″	1-½″	240	20,000	12,700
15F704	3″	1″	40	15,000	8,900
15F706	3″	1″	60	15,000	8,900
15F708	3″	1″	80	15,000	8,900
15F712	3″	1″	120	15,000	8,900
15F804	3″	1-½″	40	15,000	8,900
15F806	3″	1-½″	60	15,000	8,900
15F808	3″	1-½″	80	15,000	8,900
15F812	3″	1-½″	120	15,000	8,900
15F824	3″	1-½″	240	15,000	8,900
15F904	3″	2″	40	11,000	8,900
15F906	3″	2″	60	11,000	8,900
15F908	3″	2″	80	11,000	8,900
15F912	3″	2″	120	11,000	8,900



Items may not be exactly as illustrated, Specifications may change without notice.

Flap Wheels

- PTA flapwheels are constructed with top quality resins, premium aluminum oxide and heavy duty ,cloth
- Flaps extend slightly beyond hub permitting flush grinding
- Flapwheels are excellent for cleaning, deburring, blending and general finishing

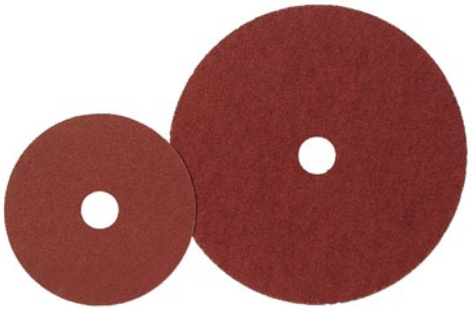


PTA CANADA

SKU	Dia.	Length	Grit	Max. RPM	Box Qty
DF0982	¾"	½"	60	30,000	10
DF0983	¾"	½"	80	30,000	10
DF0985	¾"	½"	120	30,000	10
DF0990	¾"	¾"	40	30,000	10
DF0992	¾"	¾"	60	30,000	10
DF0993	¾"	¾"	80	30,000	10
DF0995	¾"	¾"	120	30,000	10
DF1000	1"	½"	40	30,000	10
DF1002	1"	½"	60	30,000	10
DF1003	1"	½"	80	30,000	10
DF1005	1"	½"	120	30,000	10
DF1007	1"	½"	180	30,000	10
DF1012	1"	¾"	60	30,000	10
DF1013	1"	¾"	80	30,000	10
DF1015	1"	¾"	120	30,000	10
DF1020	1"	1"	40	30,000	10
DF1022	1"	1"	60	30,000	10
DF1023	1"	1"	80	30,000	10
DF1025	1"	1"	120	30,000	10
DF1027	1"	1"	180	30,000	10
DF1062	1-½"	½"	60	30,000	10
DF1063	1-½"	½"	80	30,000	10
DF1065	1-½"	½"	120	30,000	10
DF1072	1-½"	¾"	60	30,000	10
DF1073	1-½"	¾"	80	30,000	10
DF1075	1-½"	¾"	120	30,000	10
DF1080	1-½"	1"	40	30,000	10
DF1082	1-½"	1"	60	30,000	10
DF1083	1-½"	1"	80	30,000	10
DF1085	1-½"	1"	120	30,000	10
DF1087	1-½"	1"	180	30,000	10
DF1090	1-½"	1-½"	40	25,000	10
DF1092	1-½"	1-½"	60	25,000	10
DF1093	1-½"	1-½"	80	25,000	10
DF1102	2"	⅜"	60	25,000	10
DF1103	2"	⅜"	80	25,000	10
DF1105	2"	⅜"	120	25,000	10
DF1112	2"	½"	60	25,000	10
DF1113	2"	½"	80	25,000	10
DF1115	2"	½"	120	25,000	10

SKU	Dia.	Length	Grit	Max. RPM	Box Qty
DF1122	2"	¾"	60	25,000	10
DF1123	2"	¾"	80	25,000	10
DF1125	2"	¾"	120	25,000	10
DF1130	2"	1"	40	25,000	10
DF1132	2"	1"	60	25,000	10
DF1133	2"	1"	80	25,000	10
DF1135	2"	1"	120	25,000	10
DF1137	2"	1"	180	25,000	10
DF1138	2"	1"	240	25,000	10
DF1139	2"	1"	320	25,000	10
DF1140	2"	1-½"	40	25,000	10
DF1142	2"	1-½"	60	25,000	10
DF1143	2"	1-½"	80	25,000	10
DF1145	2"	1-½"	120	25,000	10
DF1150	2"	2"	40	25,000	10
DF1152	2"	2"	60	25,000	10
DF1153	2"	2"	80	25,000	10
DF1155	2"	2"	120	25,000	10
DF1190	2-½"	1"	40	20,000	10
DF1192	2-½"	1"	60	20,000	10
DF1193	2-½"	1"	80	20,000	10
DF1195	2-½"	1"	120	20,000	10
DF1202	2-½"	1-½"	60	20,000	10
DF1203	2-½"	1-½"	80	20,000	10
DF1205	2-½"	1-½"	120	20,000	10
DF1220	3"	½"	40	20,000	10
DF1222	3"	½"	60	20,000	10
DF1223	3"	½"	80	20,000	10
DF1225	3"	½"	120	20,000	10
DF1232	3"	¾"	60	20,000	10
DF1233	3"	¾"	80	20,000	10
DF1235	3"	¾"	120	20,000	10
DF1240	3"	1"	40	20,000	10
DF1242	3"	1"	60	20,000	10
DF1243	3"	1"	80	20,000	10
DF1245	3"	1"	120	20,000	10
DF1260	3"	2"	40	20,000	10
DF1262	3"	2"	60	20,000	10
DF1263	3"	2"	80	20,000	10
DF1265	3"	2"	120	20,000	10

Coolcut™



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

Steel

SKU	Dia.	Arbor	Grit
15C402	4″	⅝″	24
15C403	4″	⅝″	36
15C452	4-½″	⅞″	24
15C453	4-½″	⅞″	36
15C454	4-½″	⅞″	40
15C455	4-½″	⅞″	50
15C456	4-½″	⅞″	60
15C458	4-½″	⅞″	80
15C460	4-½″	⅞″	100
15C501	5″	⅞″	16
15C502	5″	⅞″	24
15C503	5″	⅞″	36
15C504	5″	⅞″	40
15C505	5″	⅞″	50
15C506	5″	⅞″	60
15C508	5″	⅞″	80
15C510	5″	⅞″	100
15C512	5″	⅞″	120
15C602	6″	⅞″	24
15C603	6″	⅞″	36
15C605	6″	⅞″	50
15C608	6″	⅞″	80
15C610	6″	⅞″	100
15C701	7″	⅞″	16
15C702	7″	⅞″	24
15C703	7″	⅞″	36
15C705	7″	⅞″	50
15C706	7″	⅞″	60
15C708	7″	⅞″	80
15C710	7″	⅞″	100
15C712	7″	⅞″	120

Backing Pad Assemblies



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

SKU	Dia.	Thread	Max. RPM
15D030	4″	M10x1.25	15,000
15D035	4″	⅜″-24	15,000
15D042	4-½″	M14X2.0	13,300
15D044	4-½″	⅝″-11	13,300
15D052	5″	M14x2.0	12,200
15D054	5″	⅝″-11	12,200
15D062	6″	M14x2.0	10,200
15D064	6″	⅝″-11	10,200
15D027	7″	⅝″-11	8,600

Clamping Nuts



- Supplied separately

SKU	Size	
15D016	M10x1.25	For 4″ backing pads
15D015	⅜″-24	For 4″ backing pads
15D010	M10x1.25	For 4 ½″ and 5″ backing pads
15D011	M10x1.5	For 4 ½″ and 5″ backing pads
15D012	M14x2.0	For 4 ½″ and 5″ backing pads
15D013	½″-13	For 4 ½″ and 5″ backing pads
15D014	⅝″-11	For 4 ½″ and 5″ backing pads
15H014	⅝″-11	For 6″ and 7″ backing pads
15M014	⅝″-11	For 7″ Turbo Action Backing Pad

Spacer Washers



- Supplied separately

SKU	For grinders with
07Q001	⅝″-11 spindle
07Z005	M14 x 2.0 spindle

WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

Resin Fiber Discs & Backing Pads

- Superior life and productivity
- Zirconia discs are excellent for heavy grinding on steel and stainless steel



Type "Z" Zirconia

SKU	Dia.	Arbor	Grit	Box Qty
D1365	5″	⅞″	24	25
D1370	5″	⅞″	36	25
D1375	5″	⅞″	50	25
D1380	5″	⅞″	60	25
D1385	5″	⅞″	80	25
D1420	7″	⅞″	16	25
D1425	7″	⅞″	24	25
D1430	7″	⅞″	36	25
D1435	7″	⅞″	50	25
D1440	7″	⅞″	60	25
D1445	7″	⅞″	80	25



Rubber Spiral Cool

- Heavy duty rubber construction
- Spiral design for superior cooling and longer disc life

SKU	Size	Box Qty
D1705	5" c/w center nut	1
D1710	7" c/w center nut	1

Accessories

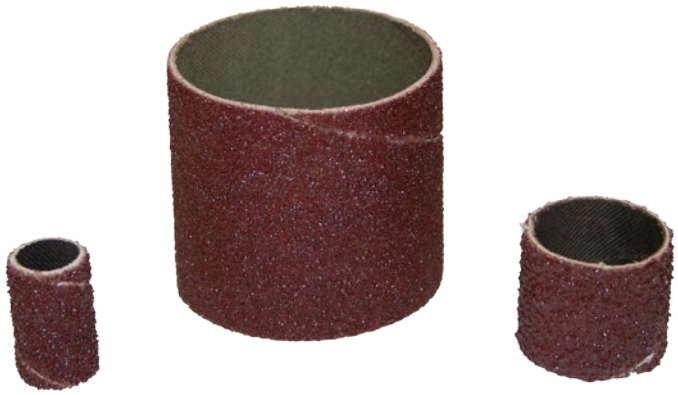
SKU	Size	Box Qty
D1750	Center nut ⅝-11 NC	1
D1765	Heavy Duty adjustable pin wrench	1



Sanding Sleeves

- Silicon carbide waterproof construction for long life on a wide variety of metals

SKU	Diameter	Length	Grit	Pkg Qty
DD1000	½"	1"	36	25
DD1005	½"	1"	60	25
DD1010	½"	1"	80	25
DD1015	½"	1"	120	25
DD1060	¾"	1"	36	25
DD1065	¾"	1"	60	25
DD1070	¾"	1"	80	25
DD1075	¾"	1"	120	25
DD1100	1"	1"	36	25
DD1105	1"	1"	60	25
DD1110	1"	1"	80	25
DD1115	1"	1"	120	25
DD1160	1-½"	1-½"	36	25
DD1165	1-½"	1-½"	60	25
DD1170	1-½"	1-½"	80	25
DD1175	1-½"	1-½"	120	25
DD1200	2"	2"	36	10
DD1205	2"	2"	60	10
DD1210	2"	2"	80	10
DD1215	2"	2"	120	10



PTA CANADA

Blendex™ Surface Conditioning Discs



- For all your surface finishing needs. Whether you are blending in welds, cleaning surfaces, refining and enhancing existing finishes or bringing out a mirror finish on stainless steel, steel, aluminum or any other ferrous and non-ferrous metals, you can do it all with QUICK-STEP.
- Coarse: For removing scratches
- Medium: For cleaning and eliminating superficial scratches
- Fine: For fine striated finishes
- Super Fine: Last step before decorative or polishing finishes
- For maximum grip when working at high speeds, use Quick-Step MG backing pad.

SKU	Dia.	Grit	Max RPM	Optimal RPM
07R502	5″	Coarse, Tan	11,000	3,000 to 6,500
07R503	5″	Medium, Maroon	11,000	3,000 to 6,500
07R504	5″	Fine, Blue	11,000	3,000 to 6,500
07R602	6″	Coarse, Tan	8,600	3,000 to 6,500
07R603	6″	Medium, Maroon	8,600	3,000 to 6,500
07R604	6″	Fine, Blue	8,600	3,000 to 6,500
07R702	7″	Coarse, Tan	6,800	2,500 to 5,000
07R703	7″	Medium, Maroon	6,800	2,500 to 5,000
07R704	7″	Fine, Blue	6,800	2,500 to 5,000

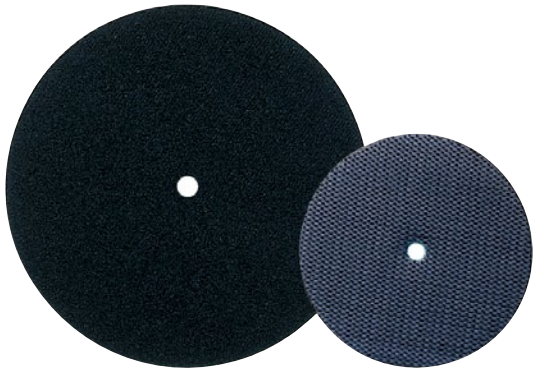
Quick-Step™ Backing Pads



- Built-in threaded arbor mounts directly onto grinder's spindle
- Exclusive centering pin guarantees a centered fit for vibration-free operation
- Torque resistant mushroom hooks hold discs securely in place

SKU	Description	
07Q049	For 4 ½″ discs, 4 ½″ pad	⅝″-11 nut
07Q054	For 5″ discs, 5″ pad	⅝″-11 nut
07Q064	For 6″ discs, 6″ pad	⅝″-11 nut
07Q074	For 7″ discs, 7″ pad	⅝″-11 nut

Quick-Step™ Interface Pads



- Ideal for working on curved surfaces or when greater flexibility is required.
- It has a soft foam cushion to increase flexibility and provide a better finish without gouging.

SKU	Diameter
07-Q 045	4 ½″
07-Q 060	6″
07-Q 070	7″

Spacer Washers



- Supplied separately

SKU	For grinders with
07Q001	⅝″-11 spindle
07Z005	M14 x 2.0 spindle

Items may not be exactly as illustrated, Specifications may change without notice.

Conditioning Discs

➔ All scrim back surface conditioning discs are ideal for surface preparation, rust removal, deburring, paint removal, blending and finishing of steel , stainless steel, alloy steel, aluminum and wood

ROLL ON DISCS



SKU	Dia.	Grit	Box Qty
DH1215	2″	Coarse	50
DH1216	2″	Medium	50
DH1218	2″	Very Fine	50
DH1220	3″	Coarse	25
DH1221	3″	Medium	25
DH1223	3″	Very Fine	25

ROLL ON A/O DISCS 2 PLY



SKU	Dia.	Grit	Box Qty
DH3130	2″	24	25
DH3131	2″	36	25
DH3134	2″	60	25
DH3135	2″	80	25
DH3137	2″	120	25
DH3140	3″	24	25
DH3141	3″	36	25
DH3144	3″	60	25
DH3145	3″	80	25
DH3147	3″	120	25

Shop Rolls

J FLEX CLOTH

➔ Aluminum oxide grain on flexible cloth backing, used for general purpose cleaning & deburring

SKU	Grit	Size
DB1220	60	1 x 50 yd
DB1230	80	1 x 50 yd
DB1240	100	1 x 50 yd
DB1250	120	1 x 50 yd
DB1260	150	1 x 50 yd
DB1270	180	1 x 50 yd
DB1290	240	1 x 50 yd
DB1310	320	1 x 50 yd
DB1330	400	1 x 50 yd
DB1620	60	2 x 50 yd
DB1630	80	2 x 50 yd
DB1640	100	2 x 50 yd
DB1650	120	2 x 50 yd
DB1660	150	2 x 50 yd
DB1670	180	2 x 50 yd
DB1690	240	2 x 50 yd
DB1710	320	2 x 50 yd
DB1730	400	2 x 50 yd



Screen Rolls

➔ Silicon carbide grain for extra long life

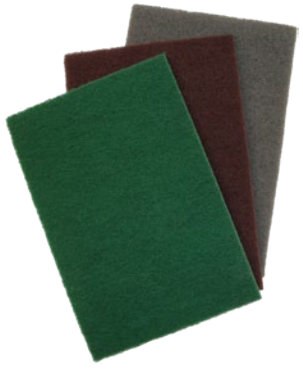
SKU	Grit	Size
DB2013	120	1-½ x 25 yd
DB2014	150	1-½ x 25 yd
DB2014	150	1-½ x 25 yd



Hand Pads

➔ 6" x 9"

SKU	Grit	Box Qty
DH0700	Maroon V-Fine Bulk	60
DH0703	Maroon V-Fine	10
DH0720	Green Fine Bulk	60
DH0723	Green Fine	10
DH0740	Brown HD Bulk	40
DH0743	Brown HD	10



PTA CANADA

Wire Cup Brushes

- For angle grinders
- These wire cup brushes are designed for high performance flat surface brushing of large surfaces. They are made from top quality oil hardened and tempered wire that is precisely positioned for perfect balance and longest brush life. Improved construction ensures maximum operator safety and fast brushing action. All cup brushes are equipped with threaded arbors for quick and easy mounting.

KNOT-TWISTED WITH RING



- 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.

Steel

SKU	Dia.	Arbor	Wire	Max RPM
13G302	3″	M14 x 2.0	.020″	12,000
13G303	3″	½″ - 13	.020″	12,000
13G304	3″	⅝″ - 11	.020″	12,000
13G404	4″	⅝″ - 11	.020″	8,600
13G504	5″	⅝″ - 11	.020″	8,600
13G554	5″	⅝″ - 11	.035″	8,600
13G604	6″	⅝″ - 11	.020″	6,800

Steel / Aluminum

SKU	Dia.	Arbor	Wire	Max RPM
13G312	3″	M14 x 2.0	.020″	12,000
13G314	3″	⅝″ - 11	.020″	12,000
13G514	5″	⅝″ - 11	.020″	8,600

COLOR CODED HUBS FOR EASY IDENTIFICATION

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 parts. Also may be used on aluminum and other non-ferrous metals.

CRIMPED



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

Steel

SKU	Dia.	Arbor	Wire	Max RPM
13D300	3″	M10 x 1.25	.0118″	12,000
13D302	3″	M14 x 2.0	.0118″	12,000
13D304	3″	⅝″ - 11	.0118″	12,000
13E504	5″	⅝″ - 11	.020″	8,600

Steel / Aluminum

SKU	Dia.	Arbor	Wire	Max RPM
13D312	3″	M14 x 2.0	.0118″	12,000
13D314	3″	⅝″ - 11	.0118″	12,000
13E514	5″	⅝″ - 11	.020″	8,600

KNOT-TWISTED



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

Steel

SKU	Dia.	Arbor	Wire	Max RPM
13F300	3″	M10 x 1.25	.015″	12,000
13F301	3″	M10 x 1.5	.015″	12,000
13F302	3″	M14 x 2.0	.015″	12,000
13F303	3″	½″ - 13	.015″	12,000
13F304	3″	⅝″ - 11	.015″	12,000
13F354	3″	⅝″ - 11	.020″	12,000

Steel / Aluminum

SKU	Dia.	Arbor	Wire	Max RPM
13F310	3″	M10 x 1.25	.015″	12,000
13F312	3″	M14 x 2.0	.015″	12,000
13F314	3″	⅝″ - 11	.015″	12,000

WALTER

Items may not be exactly as illustrated, Specifications may change without notice.

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

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



Steel

SKU	Dia.	Width	Arbor	Wire	Max RPM
13K404	4″	3⁄16″	5⁄8″ - 11	.020″	20,000
13K454	4-1⁄2″	3⁄16″	5⁄8″ - 11	.020″	15,000
13K504	5″	1⁄4″	5⁄8″ - 11	.020″	15,000
13K604	6″	1⁄4″	5⁄8″ - 11	.020″	10,000
13K654	6-7⁄8″	1⁄4″	5⁄8″ - 11	.020″	9,000

Steel / Aluminum

SKU	Dia.	Width	Arbor	Wire	Max RPM
13K414	4″	3⁄16″	5⁄8″ - 11	.020″	20,000
13K464	4-1⁄2″	3⁄16″	5⁄8″ - 11	.020″	15,000
13K514	5″	1⁄4″	5⁄8″ - 11	.020″	15,000
13K614	6″	1⁄4″	5⁄8″ - 11	.020″	10,000

KNOT-TWISTED

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



Steel

SKU	Dia.	Width	Arbor	Wire	Max RPM
13L404	4″	1⁄4″	5⁄8″ - 11	.020″	20,000
13L454	4-1⁄2″	1⁄4″	5⁄8″ - 11	.020″	15,000
13L504	5″	3⁄8″	5⁄8″ - 11	.020″	15,000
13L604	6″	3⁄8″	5⁄8″ - 11	.020″	10,000
Double-row					
13M605	6″	7⁄8″	5⁄8″ plain	.020″	6,800

Steel / Aluminum

SKU	Dia.	Width	Arbor	Wire	Max RPM
13L414	4″	1⁄4″	5⁄8″ - 11	.020″	20,000
13L464	4-1⁄2″	1⁄4″	5⁄8″ - 11	.020″	15,000
13L514	5″	3⁄8″	5⁄8″ - 11	.020″	15,000
13L614	6″	3⁄8″	5⁄8″ - 11	.020″	10,000

WALTER

Full Cable Twist Knot Wire Wheel Brushes

- For the tougher applications, especially for weld passes – for steel/stainless
- Full cable twist brushes
- Provide very low flex and high impact cutting and cleaning



SKU	Application	Dia.	Arbor	Wire	Max RPM
66252833487	Carbon	5"	5⁄8″ - 11	.020″	12,500
66252833488	Stainless	5"	5⁄8″ - 11	.020″	12,500
69936653352	Carbon	6"	5⁄8″ - 11	.020″	12,500

Mounted Wire Brushes

- For die grinders
- These brushes are made from highest industrial quality wire with optimum density for fast material removal and longest life.
- They are perfectly balanced for vibration free running.
- Shanks must be fully inserted into the collet and firmly secured.
- ¼" shaft. Color coded hubs for easy identification.

CRIMPED

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



Steel

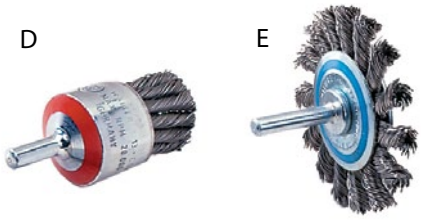
SKU	Type	Dia.	Width	Wire	Max RPM
13C003	A	½"		.010"	20,000
13C005	A	½"		.020"	20,000
13C008	A	¾"		.014"	20,000
13C110	B	1-⅜"	¼"	.008"	20,000
13C120	B	2"	⅝"	.0118"	20,000
13C125	B	3"	¾"	.0118"	12,000
13C015	C	1-½"		.0118"	13,000
13C018	C	2-⅜"		.0118"	13,000

Steel / Aluminum

SKU	Type	Dia.	Width	Wire	Max RPM
13C053	A	½"		.010"	20,000
13C055	A	½"		.020"	20,000
13C058	A	¾"		.014"	20,000
13C160	B	1-⅜"	¼"	.008"	20,000
13C170	B	2"	⅝"	.0118"	20,000
13C175	B	3"	¾"	.0118"	12,000
13C065	C	1-½"		.0118"	13,000
13C068	C	2-⅜"		.0118"	13,000

KNOT-TWISTED

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



Steel

SKU	Type	Dia.	Width	Wire	Max RPM
13C020	D	1-⅛"		.020"	20,000
13C130	E	2-¾"	⅜"	.020"	20,000

Steel / Aluminum

SKU	Type	Dia.	Width	Wire	Max RPM
13C070	D	1-⅛"		.020"	20,000
13C180	E	2-¾"	⅜"	.020"	20,000

Items may not be exactly as illustrated, Specifications may change without notice.

Conflex Brushes

➔ Narrow face crimped wire wheels – For light duty brushing action.

SKU		Dia.	Wire Size	Face Width	Trim Length	Max RPM
17610		2"	.0118	⅜"	½"	20,000
17611	‡	2"	.0118	⅜"	½"	20,000
17614		2-½"	.014	⅜"	¾"	20,000
17617		3"	.014	½"	1"	20,000
17618	‡	3"	.014	½"	1"	20,000

‡ Stainless Steel



Knot Wire Wheels

➔ Standard Twist – Rugged knot-type construction provides aggressive, high-impact action for sever applications.

SKU		Dia.	Wire Size	Face Width	Trim Length	Max RPM
17681		3-¼"	.014	⅜"	⅝"	25,000
17684	‡	3-¼"	.014	⅜"	⅝"	25,000
17687		4"	.014	⅕"	⅞"	20,000
17691	‡	4"	.014	½"	⅞"	20,000

‡ Stainless Steel



Crimped Wire Cup Brushes

➔ For general purpose applications on large surface areas.

SKU		Dia.	Wire Size	Trim Length	Max RPM
14301		1-¾"	.0118	¾"	13,000
14304	‡	1-¾"	.0118	¾"	13,000
14302		2-¾"	.0118	⅞"	6,000

‡ Stainless Steel



Circular Flare End Brushes

➔ Accommodates the natural working angle; for broad range of surfaces and contours.

SKU		Dia.	Wire Size	Max RPM
10038		1-½"	.020	20,000
10047	‡	1-½"	.020	20,000
10040		2-¾"	.020	16,000

‡ Stainless Steel



Weiler

Steel Crimped Wire Wheels

➔ Medium Face – Greater fill density and more aggressive brushing action. Can be mounted in multiples.
➔ Wide Face – Maximum wire density and aggression, covers more surface area in a single pass.

SKU	Face	Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max RPM
06120	Medium	8"	.014	2"	1"	1-3⁄8"	1"	4,500
06160	Medium	10"	.014"	2" with keyway	1-1⁄8"	2"	1"	3,600
03150	Wide	8"	.014"	2"	1-1⁄2"	1-3⁄8"	1-3⁄8"	4,500
03200	Wide	10"	.014"	2"	2"	1-7⁄8"	1-5⁄8"	4,000





Steel Bench Grinder Wheels

➔ A lower price, commercial grade brush for general purpose applications.

SKU	Face	Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Thickness at Face Plates	Max RPM
02325	Medium	6"	.014"	5⁄8"-1⁄2"	5⁄8"	1-1⁄16"	1⁄2"	6,000
02335	Medium	7"	.014"	5⁄8"	3⁄4"	1-9⁄16"	1⁄2"	6,000
06645	Wide	6"	.014"	5⁄8"-1⁄2"	7⁄8"	1-5⁄8"	7⁄8"	6,000
06655	Wide	7"	.014"	5⁄8"	7⁄8"	1-5⁄8"	7⁄8"	6,000
01175	Narrow	8"	.014"	5⁄8"	3⁄4"	2-1⁄16"	1⁄2"	6,000



Metal Adapters

➔ For Medium and Wide face brushes. Used and priced per pair.

SKU	For Brush Arbor Hole Size	Adapted Arbor Hole Size
03809	2"	1⁄2"
03810	2"	5⁄8"
03811	2"	3⁄4"
03824	2"	7⁄8"
03812	2"	1"
03813	2"	1-1⁄4"
03814	2"	1-1⁄2"



Items may not be exactly as illustrated, Specifications may change without notice.

Small Diameter Wire Wheels

➔ General purpose applications. Can be mounted in multiples.

SKU	Material	Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max RPM
15101	Steel	1-¼"	.003	¼"	¼"	⅜"	20,000
16511	Stainless Steel	1-¼"	.006	¼"	¼"	⅜"	20,000
15732	Steel	1-¼"	.008	⅜"	¼"	5⁄16"	20,000
15312	Steel	1-½"	.008	⅜"	¼"	7⁄16"	20,000
16712	Stainless Steel	1-½"	.008	⅜"	¼"	7⁄16"	20,000
15322	Steel	1-½"	.0104	⅜"	¼"	7⁄16"	20,000
16833	Stainless Steel	2"	.005	½"	⅜"	½"	20,000
15433	Steel	2"	.006	½"	⅜"	½"	20,000
15453	Steel	2"	.0104	½"	⅜"	½"	20,000
16853	Stainless Steel	2"	.0104	½"	⅜"	½"	20,000
15533	Steel	3"	.006	½"	⅝"	1"	20,000
16933	Stainless Steel	3"	.006	½"	⅝"	1"	20,000
15573	Steel	3"	.014	½"-⅜"	⅝"	1"	20,000
16973	Stainless Steel	3"	.014	½"-⅜"	⅝"	1"	20,000
15677	Steel	3"	.014	⅝"	⅝"	15⁄16"	20,000
17077	Stainless Steel	3"	.014	⅝"	⅝"	15⁄16"	20,000
99553	Steel	4"	.006	½"	½"	1-½"	20,000



Drive Arbor – Unthreaded Shaft

SKU	Arbor Dia.	Stem Dia.	Stem Length	Length of Shaft	For Brushes with Max Dia. of	Max RPM
07723	¼"	¼"	1-⅛"	3⁄16"	2"	20,000
07722	⅜"	¼"	1-⅛"	3⁄16"	4"	20,000



07723



07722

Drive Arbor – Threaded Shaft

SKU	Arbor Dia.	Stem Dia.	Stem Length	Length of Shaft	For Brushes with Max Dia. of	Max RPM
07727	⅜"	¼"	¾"	¾"	3"	25,000
07721	½"	¼"	⅞"	¾"	3"	20,000
07725	¼"	¼"	1-1⁄16"	1-⅛"	2"	20,000
07726	⅜"	¼"	1"	1-⅛"	3"	20,000



07727 07721

07725 07726

Weiler

Standard Twist Wheels

➔ Rugged knot-type construction provides aggressive, high-impact action for severe applications.



SKU		Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max RPM
08014		3"	.014	½"-⅜"	⅜"	⅝"	25,000
08264‡		3"	.014	½"-⅜"	⅜"	⅝"	25,000
08044		4"	.014	½"-⅜"	½"	⅞"	20,000
08294‡		4"	.014	½"-⅜"	½"	⅞"	20,000
08345‡		6"	.016	⅝"-½"	½"	1-⅜"	9,000
08105		6"	.023	⅝"-½"	½"	1-⅜"	9,000
08395‡		8"	.016	⅝"	⅝"	1-⅝"	6,000
08155		8"	.023	⅝"	⅝"	1-⅝"	6,000

‡ Stainless Steel

See "Metal Adapters" for 6" & 8" Brushes

Cable Twist Wheels

➔ Maximum impact for extremely severe applications.



SKU		Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max RPM
13226		4"	.020	⅝"-11 UNC	¼"	⅞"	20,000
13276	‡	4"	.020	⅝"-11 UNC	¼"	⅞"	20,000

‡ Stainless Steel

Stringer Bead Twist Wheels

➔ Very narrow face.
➔ For hard to read areas; primarily for weld cleaning.



SKU		Dia.	Wire Size	Arbor Hole	Face Width	Trim Length	Max RPM
13131		4"	.020	⅝"-11 UNC	3/16"	⅞"	20,000
13138	‡	4"	.020	⅝"-11 UNC	3/16"	⅞"	20,000
08756		5"	.020	⅝"-11 UNC	3/16"	⅞"	12,500
08806	‡	5"	.020	⅝"-11 UNC	3/16"	⅞"	12,500
09856		5"	.023	⅝"-11 UNC	½"	⅞"	12,500
09866	‡	5"	.023	⅝"-11 UNC	½"	⅞"	12,500
08766	†	6"	.020	⅝"-11 UNC	3/16"	1-⅜"	12,500
08786	‡†	6"	.020	⅝"-11 UNC	3/16"	1-⅜"	12,500
09400		6"	.020	⅝"-11 UNC	3/16"	1-⅛"	12,500
09500	‡	6"	.020	⅝"-11 UNC	3/16"	1-⅛"	12,500
08776		6"	.023	⅝"-11 UNC	½"	1-⅜"	12,500
08796	‡	6"	.023	⅝"-11 UNC	½"	1-⅜"	12,500
09000		6-⅞"	.020	⅝"-11 UNC	3/16"	1-⅛"	9,000
09200	‡	6-⅞"	.020	⅝"-11 UNC	3/16"	1-⅛"	9,000

‡ Stainless Steel

† Light Duty

Items may not be exactly as illustrated, Specifications may change without notice.

Crimped Wire Cup Brushes

➔ For light to medium duty, general purpose cleaning of large surfaces.

SKU		Dia.	Wire Size	Arbor Hole	Trim Length	Max RPM
14036		4"	.020	5/8"-11 UNC	1-3/8"	9,000
14126	‡	4"	.020	5/8"-11 UNC	1-3/8"	9,000
14216		5"	.020	5/8"-11 UNC	1-1/4"	8,000
14256	‡	5"	.020	5/8"-11 UNC	1-1/4"	8,000
14076		6"	.020	5/8"-11 UNC	1-1/4"	6,600
14166	‡	6"	.020	5/8"-11 UNC	1-1/4"	6,600

‡ Stainless Steel



Knot Wire Cup Brushes

➔ Single row, general duty – For fast efficient cleaning of large surfaces.

SKU		Dia.	Wire Size	Arbor Hole	Trim Length	Max RPM
13163	‡	3-1/2"	.023	5/8"-11 UNC	7/8"	13,000
12746		3-1/2"	.020	5/8"-11 UNC	1-1/4"	9,000
12316		4"	.023	5/8"-11 UNC	1-1/4"	9,000
12416	‡	4"	.023	5/8"-11 UNC	1-1/4"	9,000
12276		5"	.023	5/8"-11 UNC	1-3/8"	7,000
12376		6"	.023	5/8"-11 UNC	1-3/8"	6,600
12476	‡	6"	.023	5/8"-11 UNC	1-3/8"	6,600

‡ Stainless Steel



Crimped Wire End Brushes

➔ Solid end – For light duty, general purpose applications

SKU		Dia.	Wire Size	Trim Length	Max RPM
10003		1/2"	.014	7/8"	25,000
10015	‡	1/2"	.014	7/8"	25,000
10004		1/2"	.020	7/8"	25,000
10016	‡	1/2"	.020	7/8"	25,000
10007		3/4"	.014	7/8"	22,000
10019	‡	3/4"	.014	7/8"	22,000
10008		3/4"	.020	7/8"	22,000
10020	‡	3/4"	.020	7/8"	22,000
10011		1"	.014	1"	22,000
10023	‡	1"	.014	1"	22,000
10012		1"	.020	1-1/8"	22,000
10024	‡	1"	.020	1-1/8"	22,000

‡ Stainless Steel



Knot Wire End Brushes

➔ Hollow end – Rugged knot-type construction provides aggressive, high-impact action for sever applications.

SKU		Dia.	Wire Size	Trim Length	Max RPM
10187		1-1/8"	.0118	1-1/8"	20,000
10027		1-1/8"	.014	7/8"	22,000
10031	‡	1-1/8"	.014	7/8"	22,000
10028		1-1/8"	.020	7/8"	22,000
10032	‡	1-1/8"	.020	7/8"	22,000

‡ Stainless Steel



Weiler

Stringer Bead Brushes



- Filled with high quality steel wire.
- Narrow face, stiff wheels. To be used in pipe fabrication, brushing expansion joints, narrow grooves.
- *Also available in stainless *(pkg = 2)*

SKU	SKU SS	Dia.	Wire Size	Arbor Hole	Face Width	MSFS RPM	Pkg Qty
815T5811	815T5811SS	5" *(127 mm)*	.020" *(0.50 mm)*	⅝ Thrd	¼" *(6 mm)*	12,000	5
816T	816TSS	6" *(150 mm)*	.020" *(0.50 mm)*	⅝ Thrd	½" *(12 mm)*	9,000	5
8165811	8165811SS	6" *(150 mm)*	.023" *(0.63 mm)*	No Thrd	½" *(12 mm)*	9,000	5
817T	817TSS	6-½" *(165 mm)*	.020" *(0.50 mm)*	⅝ Thrd	¼" *(6 mm)*	12,000	5

Adapters

SKU	Adapter Fits	Thread
AD3824	⅝-11NC	⅜-24UNF
ADM10125	⅝-11NC	M-10 x 1.25
ADM1015	⅝-11NC	M-10 x 1.5



Cup Brushes

- Filled With High quality steel wire.
- Felton wire cup brushes are designed for use in high speed pneumatic and electrical portable tools. Brushes are strong, efficient tools for fast heavy-duty cleaning of large metal surfaces.
- To remove weld scale, rust, old paint and corrosion.
- For rugged jobs, the knot-type brushes are recommended.



SINGLE ROW

SKU	SKU SS	Dia.	Wire Size	Arbor Hole	MSFS RPM
430T	7430T SS	4" *(100 mm)*	.014" *(0.35 mm)*	⅝ Threaded	6,000
424T	7424T SS	4" *(100 mm)*	.020" *(0.50 mm)*	⅝ Threaded	7,200
420T		4" *(100 mm)*	.035" *(0.90 mm)*	⅝ Threaded	6,000
524T	7524T SS	5" *(125 mm)*	.020" *(0.50 mm)*	⅝ Threaded	7,000
624T	7624T SS	6" *(150 mm)*	.020" *(0.50 mm)*	⅝ Threaded	6,000
630T	7630T SS	6" *(150 mm)*	.014" *(0.35 mm)*	⅝ Threaded	6,000
620T	7620T SS	6" *(150 mm)*	.035" *(0.90 mm)*	⅝ Threaded	6,000



DOUBLE ROW

SKU	SKU SS	Dia.	Wire Size	Arbor Hole	MSFS RPM
208T		6" *(150 mm)*	.035" *(0.90 mm)*	⅝ Threaded	6,000
248T	7428T SS	6" *(150 mm)*	.020" *(0.50 mm)*	⅝ Threaded	6,000
308T		6" *(150 mm)*	.014" *(0.35 mm)*	⅝	6,000

3 Primary Knot Configurations

Standard Twist: A tuft is left at the end of the wire knot, providing some flexibility for use on irregular surfaces.

Cable twist: The wire is tightly twisted to the end of the knot; providing a very aggresive cutting action.

Stringer Bead Twist: The wire is very tightly twisted to the end of the knot, creating a very narrow face primarily used for weld cleaning.

FELTON BRUSHES

Items may not be exactly as illustrated, Specifications may change without notice.

Double Stem Double Spiral Brushes



➔ Use with power tools for heavy-duty cleaning and deburring.

SKU		Dia.	Wire Size	Brush Part	Stem Dia.	Overall Length
21106		½"	.004	2"	5/32"	5"
21116	‡	½"	.004	2"	5/32"	5"
21110		¾"	.006	2-½"	¼"	5-½"
21120	‡	¾"	.006	2-½"	¼"	5-½"
21114		1"	.006	2-½"	¼"	5-½"
21124	‡	1"	.006	2-½"	¼"	5-½"

‡ Stainless Steel

Economy Curved Handle Scratch Brushes



➔ Economy brushes provide lasting, efficient service at minimal cost.
➔ .012 Wire

SKU		Block Size	Brush Length	No. of Rows	Trim Length
25150		13-½" x 1"	6"	3 x 19	1"
25154	‡	13-½" x 1"	6"	3 x 19	1"
25201		14" x 1-⅛"	6"	4 x 18	1"
25202	‡	14" x 1-⅛"	6"	4 x 18	1"

‡ Stainless Steel

Small Hand Scratch Brushes



SKU	Block Size	Block	No. of Rows	Wire Size	Trim Length
44075	7-½" x ½"	Plastic	3 x 7	.006	½"
44167	7-½" x ½"	Wood	3 x 7	.006	½"

Block Type Scratch Brush



➔ For rugged cleaning on bricks, stone and similar large flat areas.

SKU	Block Size	Fill Material	Brush Part	No. of Rows	Trim Length
44067	7-¼" x 2-¼"	.014 Round Wire Flat Face	7"	6 x 19	1-⅝"

Economy Parts Cleaning Brush



➔ Steel ferrule. – Economy brushes provide lasting, efficient service at minimal cost.

SKU	Thickness	Fill Material	Bristle Length
25221	15/16"	Nylon	2-½"

Acid/Flux Brush



➔ Horsehair - Tin ferrule.

SKU	Width	Trim Length	Overall Length
44089	⅜"	¾"	5-¾"

Weiler

End Brushes

- Filled with high quality steel wire.
- For use with portable tools.
- Removing hard carbon deposits on cylinders, piston heads, recesses and valve seats, I.D. pipe cleaning.
- Also used in drill presses for deburring.
- ¼" Shank diameter



STRAIGHT TYPE

SKU	Diameter	Wire Size	Trim Length	MSFS RPM
95F	½" *(13 mm)*	.005" *(0.12 mm)*	1" *(25 mm)*	15,000
95	½" *(13 mm)*	.014" *(0.35 mm)*	1" *(25 mm)*	15,000
96F	¾" *(19 mm)*	.005" *(0.12 mm)*	1" *(25 mm)*	20,000
96	¾" *(19 mm)*	.014" *(0.35 mm)*	1" *(25 mm)*	20,000
97F	1" *(25 mm)*	.005" *(0.12 mm)*	1" *(25 mm)*	20,000
97	1" *(25 mm)*	.014" *(0.35 mm)*	1" *(25 mm)*	20,000



CIRCULAR TYPE

SKU	Diameter	Wire Size	MSFS RPM
68 F	1-½" *(37 mm)*	.005" *(0.12 mm)*	25,000
68	1-½" *(37 mm)*	.014" *(0.35 mm)*	25,000
69	3" *(75 mm)*	.014" *(0.35 mm)*	25,000
69 B	3" *(75 mm)*	.014" *(0.35 mm)*	25,000



CABLE TWIST TYPE

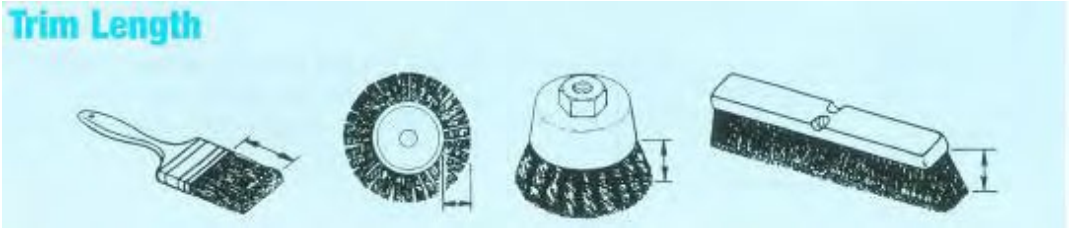
SKU	Diameter	Wire Size	Trim Length	MSFS RPM
185	1" *(25 mm)*	.020" *(0.50 mm)*	1" *(25 mm)*	20,000
186	1" *(25 mm)*	.014" *(0.35 mm)*	1" *(25 mm)*	20,000
187	1" *(25 mm)*	.012" *(0.30 mm)*	1" *(25 mm)*	20,000

Wire Scratch Brushes

- Felton Scratch Brushes are Canadian Made. The durable handles are kiln-dried premium hardwood, with a smooth finish for extra comfort.
- The straight wire steel is high grade American, 0.014" diameter, oil tempered.
- The Felton Brushes are more densely filled for longer wear and more efficient for material removal of large cleaning surfaces.
- Adapted for pipeline and industrial machine applications. Excellent for concrete structures.
- Curved Handle
- Length of Brush Part 6" *(15 cm)*
- Length overall 14" *(35 cm)*

SKU	Rows	Block Width	Wire Size	Trim Length
188	4 x 19	1-⅛" *(30 mm)*	.014" *(0.40 mm)*	1-⅛" *(30 mm)*
188SS	4 x 19	1-⅛" *(30 mm)*	.014" *(0.40 mm)*	1-⅛" *(30 mm)*





Items may not be exactly as illustrated, Specifications may change without notice.

Ultra-Kut™ Cutters

- Made from powdered metal M-42 cobalt steel with a gold finish
- All cutters have ¾" shank drive with 2 flats at 90°
- Leave a burr-free hole
- Allow overlapping cuts on existing holes
- Cut on curved surfaces
- Stay sharp longer and can run at speeds 30-40% faster than high speed cutters

Inch Size	SKU 1" Cutters	SKU 2" Cutters
7/16	UA0000	UA0100
1/2	UA0002	UA0102
9/16	UA0003	UA0103
5/8	UA0005	UA0105
11/16	UA0006	UA0106
3/4	UA0008	UA0108
13/16	UA0010	UA0110
7/8	UA0011	UA0111
15/16	UA0013	UA0113
1	UA0014	UA0114
1-1/16	UA0016	UA0116
1-1/8	UA0018	UA0118
1-3/16	UA0019	UA0119
1-1/4	UA0021	UA0121
1-5/16	UA0022	UA0122
1-3/8	UA0024	UA0124
1-7/16	UA0026	UA0126
1-1/2	UA0027	UA0127
1-9/16	UA0029	UA0129
1-5/8		UA0130
1-11/16		UA0132
1-3/4		UA0133
1-13/16		UA0135
1-7/8		UA0137
1-15/16		UA0139
2		UA0140
2-1/16		UA0141
2-1/8		UA0143
2-3/16		UA0145
2-1/4		UA0146
2-5/16		UA0148
2-3/8		UA0149
Pilot pin for 7/16	UA0059	UA0159
Pilot pin for 1/2+	UA0060	UA0160





HSS Annular Cutters

Inch Size	SKU 1" Depth	SKU 2" Depth	SKU 3" Depth
7/16	FC110	FC210	
1/2	FC111	FC211	
9/16	FC113	FC213	
5/8	FC116	FC216	
11/16	FC119	FC219	
3/4	FC121	FC221	
13/16	FC124	FC224	FC324
7/8	FC127	FC227	FC327
15/16	FC130	FC230	FC330
1	FC133	FC233	FC333
1-1/16	FC136	FC236	FC336
1-1/8	FC139	FC239	FC339
1-3/16	FC142	FC242	FC342
1-1/4	FC145	FC245	FC345
1-5/16	FC148	FC248	FC348
1-3/8	FC151	FC251	FC351
1-7/16	FC154	FC254	FC354
1-1/2	FC157	FC257	FC357
1-9/16	FC160	FC260	FC360
1-5/8	FC163	FC263	FC363
1-11/16	FC166	FC266	FC366
1-3/4	FC169	FC269	FC369
1-13/16	FC172	FC272	FC372
1-7/8	FC175	FC275	FC375
1-15/16	FC178	FC278	FC378
2	FC181	FC281	FC381
2-1/16	FC183	FC283	



PTA CANADA

Fein

Ultra-Kut™ Drill Bits

- Made from hi-molybdenum steel
- 135 degree split point for fast and accurate starting without a center punch
- 3 flats on shank give positive chuck grip *(3⁄16 & larger)*
- Gold surface treated body and clearance

Jobber Length Bits

SKU	Size	Pack
U0100	1⁄16	10
U0101	5⁄64	10
U0102	3⁄32	10
U0103	7⁄64	10
U0104	1⁄8	10
U0105	9⁄64	10
U0106	5⁄32	10
U0107	11⁄64	10
U0108	3⁄16	10
U0109	13⁄64	10
U0110	7⁄32	10
U0111	15⁄64	10
U0112	1⁄4	10
U0113	17⁄64	10
U0114	9⁄32	10
U0115	19⁄64	5
U0116	5⁄16	5
U0117	21⁄64	5
U0118	11⁄32	5
U0119	23⁄64	5
U0120	3⁄8	5
U0121	25⁄64	5
U0122	13⁄32	5
U0123	27⁄64	5
U0124	7⁄16	5
U0125	29⁄64	5
U0126	15⁄32	5
U0127	31⁄64	5
U0128	1⁄2	5



Prentice Bits

SKU	Size
U0200	33⁄64
U0201	17⁄32
U0202	35⁄64
U0203	9⁄16
U0204	37⁄64
U0205	19⁄32
U0206	39⁄64
U0207	5⁄8
U0208	41⁄64
U0209	21⁄32
U0210	43⁄64
U0211	11⁄16
U0212	45⁄64
U0213	23⁄32
U0214	47⁄64
U0215	3⁄4
U0216	49⁄64
U0217	25⁄32
U0218	51⁄64
U0219	13⁄16
U0220	53⁄64
U0221	27⁄32
U0222	55⁄64
U0223	7⁄8
U0224	57⁄64
U0225	29⁄32
U0226	59⁄64
U0227	15⁄16
U0228	61⁄64
U0229	31⁄32
U0230	63⁄64
U0231	1
U0232	1-1⁄32
U0233	1-1⁄16
U0234	1-3⁄32
U0235	1-1⁄8
U0236	1-5⁄32
U0237	1-3⁄16
U0238	1-7⁄32
U0239	1-1⁄4
U0240	1-5⁄16
U0241	1-3⁄8
U0242	1-7⁄16
U0243	1-1⁄2

Jobber Drill Set

- 29 Piece
- Contains 1⁄16 to 1⁄2 x 64ths

U0148



Jobber Drill Display

- Contains the following 400 pieces:
- 60 EACH 1⁄8
- 40 EACH 3⁄16
- 30 EACH 1⁄16, 3⁄32, 1⁄4
- 20 EACH 5⁄64, 7⁄64 , 9⁄64, 5⁄32
- 10 EACH 11⁄64, 7⁄32, 13⁄64, 15⁄64, 17⁄64, 9⁄32
- 5 EACH 19⁄64, 5⁄16, 21⁄64, 11⁄32, 23⁄64,3⁄8, 25⁄64 , 13⁄32, 27⁄64, 7⁄16, 29⁄64, 15⁄32, 31⁄64, 1⁄2
- Counter Display

U0149



Items may not be exactly as illustrated, Specifications may change without notice.

HSS Left Hand Jobber Length Drills



SKU	Frac	No / Ltr	Dec	Flute	Oa Lg	Pkg Qty
DR03021	21/64	-	0.3281	3-5/16	4-5/8	5
DR03022	11/32	-	0.3438	3-7/16	4-3/4	5
DR03023	23/64	-	0.3594	3-1/2	4-7/8	5
DR03024	3/8	-	0.3750	3-5/8	5"	5
DR03025	25/64	-	0.3906	3-3/4	5-1/8	5
DR03026	13/32	-	0.4062	3-7/8	5-1/4	5
DR03027	27/64	-	0.4219	3-15/16	5-3/8	5
DR03028	7/16	-	0.4375	4-1/16	5-1/2	5
DR03029	29/64	-	0.4531	4-3/16	5-5/8	5
DR03030	15/32	-	0.4688	4-5/16	5-3/4	5
DR03031	31/64	-	0.4844	4-3/8	5-7/8	5
DR03032	1/2	-	0.5000	4-1/2	6"	5

HSS 6" Long Aircraft Extension Drills



SKU	Frac	No / Ltr	Dec	Flute	Oa Lg	Pkg Qty
DR64004	1/16	-	0.0625	7/8	6"	1
DR64005	5/64	-	0.0781	1"	6"	1
DR64006	3/32	-	0.0938	1-1/4	6"	1
DR64007	7/64	-	0.1094	1-1/2	6"	1
DR64008	1/8	-	0.1250	1-5/8	6"	1
DR64009	9/64	-	0.1406	1-3/4	6"	1
DR64010	5/32	-	0.1562	2"	6"	1
DR64011	11/64	-	0.1719	2-1/8	6"	1
DR64012	3/16	-	0.1875	2-5/16	6"	1
DR64013	13/64	-	0.2031	2-7/16	6"	1
DR64014	7/32	-	0.2188	2-1/2	6"	1
DR64015	15/64	-	0.2344	2-5/8	6"	1
DR64016	1/4	E	0.2500	2-3/4	6"	1
DR64017	17/64	-	0.2656	2-7/8	6"	1
DR64018	9/32	-	0.2812	2-15/16	6"	1
DR64019	19/64	-	0.2969	3-1/16	6"	1
DR64020	5/16	-	0.3125	3-3/16	6"	1
DR64021	21/64	-	0.3281	3-5/16	6"	1
DR64022	11/32	-	0.3438	3-7/16	6"	1
DR64023	23/64	-	0.3594	3-1/2	6"	1
DR64024	3/8	-	0.3750	3-5/8	6"	1
DR64025	25/64	-	0.3906	3-3/4	6"	1
DR64026	13/32	-	0.4062	3-7/8	6"	1
DR64027	27/64	-	0.4219	3-15/16	6"	1
DR64028	7/16	-	0.4375	4-1/16	6"	1
DR64029	29/64	-	0.4531	4-3/16	6"	1
DR64030	15/32	-	0.4688	4-5/16	6"	1
DR64031	31/64	-	0.4844	4-3/8	6"	1
DR64032	1/2	-	0.5000	4-1/2	6"	1

HSS Straight Shank Aligning Reamers - 3 Flats



SKU	Dia	Dec	Shk Dia	Flute	Oa Lg	Pkg Qty
RE19016	1/4	0.2500	1/4	2-1/2	4-3/8	1
RE19020	5/16	0.3125	5/16	2-3/4	4-5/8	1
RE19024	3/8	0.3750	3/8	2-3/4	4-5/8	1
RE19028	7/16	0.4375	7/16	3-1/2	5-3/8	1
RE19032	1/2	0.5000	1/2	4	5-7/8	1
RE19036	9/16	0.5625	1/2	4	5-7/8	1
RE19039	39/64	0.6094	1/2	4-1/2	6-3/8	1
RE19040	5/8	0.6250	1/2	4-1/2	6-3/8	1
RE19044	11/16	0.6875	1/2	4-1/2	6-3/8	1
RE19048	3/4	0.7500	1/2	5"	6-7/8	1
RE19052	13/16	0.8125	1/2	5"	6-7/8	1
RE19056	7/8	0.8750	1/2	5"	6-7/8	1
RE19060	15/16	0.9375	1/2	5"	6-7/8	1
RE19100	1.0	1.0000	1/2	5"	6-7/8	1
RE19104	1-1/16	1.0625	1/2	5"	6-7/8	1

Carbide Tipped Hyper Masonry Drills



SKU	Dia	Dec	Flute	Oa Lg	Pkg Qty
ZD52008	1/8	0.1250	1-9/16	2-3/4	10
ZD52010	5/32	0.1562	1-9/16	2-3/4	10
ZD52012	3/16	0.1875	1-31/32	3-5/32	10
ZD52014	7/32	0.2188	2-3/8	3-15/16	10
ZD52016	1/4	0.2500	2-3/8	3-15/16	10
ZD52018	9/32	0.2812	2-3/8	4-11/32	10
ZD52020	5/16	0.3125	3-5/32	4-15/16	10
ZD52024	3/8	0.3750	3-5/32	4-15/16	5
ZD52028	7/16	0.4375	3-17/32	5-1/2	5
ZD52032	1/2	0.5000	3-17/32	5-1/2	5
ZD52036	9/16	0.5625	3-17/32	5-1/2	1
ZD52040	5/8	0.6250	3-17/32	5-1/2	1
ZD52048	3/4	0.7500	3-15/16	6-5/16	1
ZD52056	7/8	0.8750	3-15/16	6-5/16	1
ZD52100	1"	1.0000	3-15/16	6-5/16	1

HSS Hyper Jobber Length Drills



SKU	Frac	No / Ltr	Dec	Flute	Oa Lg	Pkg Qty
ZD16260		#60	0.0400	11⁄16	1-5⁄8	12
ZD16259		#59	0.0410	11⁄16	1-5⁄8	12
ZD16258		#58	0.0420	11⁄16	1-5⁄8	12
ZD16257		#57	0.0430	3⁄4	1-3⁄4	12
ZD16256		#56	0.0465	3⁄4	1-3⁄4	12
ZD16003	3⁄64		0.0469	7⁄8	1-7⁄8	12
ZD16255		#55	0.0520	7⁄8	1-7⁄8	12
ZD16254		#54	0.0550	7⁄8	1-7⁄8	12
ZD16253		#53	0.0595	7⁄8	1-7⁄8	12
ZD16004	1⁄16		0.0625	7⁄8	1-7⁄8	12
ZD16252		#52	0.0635	7⁄8	1-7⁄8	12
ZD16251		#51	0.0670	1"	2"	12
ZD16250		#50	0.0700	1"	2"	12
ZD16249		#49	0.0730	1"	2"	12
ZD16248		#48	0.0760	1"	2"	12
ZD16005	5⁄64		0.0781	1"	2"	12
ZD16247		#47	0.0785	1"	2"	12
ZD16246		#46	0.0810	1-1⁄8	2-1⁄8	12
ZD16245		#45	0.0820	1-1⁄8	2-1⁄8	12
ZD16244		#44	0.0860	1-1⁄8	2-1⁄8	12
ZD16243		#43	0.0890	1-1⁄4	2-1⁄4	12
ZD16242		#42	0.0935	1-1⁄4	2-1⁄4	12
ZD16006	3⁄32		0.0938	1-1⁄4	2-1⁄4	12
ZD16241		#41	0.0960	1-3⁄8	2-3⁄8	12
ZD16240		#40	0.0980	1-3⁄8	2-3⁄8	12
ZD16239		#39	0.0995	1-3⁄8	2-3⁄8	12
ZD16238		#38	0.1015	1-7⁄16	2-1⁄2	12
ZD16237		#37	0.1040	1-7⁄16	2-1⁄2	12
ZD16236		#36	0.1065	1-7⁄16	2-1⁄2	12
ZD16007	7⁄64		0.1094	1-1⁄2	2-5⁄8	12
ZD16235		#35	0.1100	1-1⁄2	2-5⁄8	12
ZD16234		#34	0.1110	1-1⁄2	2-5⁄8	12
ZD16233		#33	0.1130	1-1⁄2	2-5⁄8	12
ZD16232		#32	0.1160	1-5⁄8	2-3⁄4	12
ZD16231		#31	0.1200	1-5⁄8	2-3⁄4	12
ZD16008	1⁄8		0.1250	1-5⁄8	2-3⁄4	12
ZD16230		#30	0.1285	1-5⁄8	2-3⁄4	12
ZD16229		#29	0.1360	1-3⁄4	2-7⁄8	12
ZD16228		#28	0.1405	1-3⁄4	2-7⁄8	12
ZD16009	9⁄64		0.1406	1-3⁄4	2-7⁄8	12
ZD16227		#27	0.1440	1-7⁄8	3"	12
ZD16226		#26	0.1470	1-7⁄8	3"	12
ZD16225		#25	0.1495	1-7⁄8	3"	12
ZD16224		#24	0.1520	2"	3-1⁄8	12
ZD16223		#23	0.1540	2"	3-1⁄8	12
ZD16010	5⁄32		0.1562	2"	3-1⁄8	12
ZD16222		#22	0.1570	2"	3-1⁄8	12
ZD16221		#21	0.1590	2-1⁄8	3-1⁄4	12
ZD16220		#20	0.1610	2-1⁄8	3-1⁄4	12
ZD16219		#19	0.1660	2-1⁄8	3-1⁄4	12
ZD16218		#18	0.1695	2-1⁄8	3-1⁄4	12
ZD16011	11⁄64		0.1719	2-1⁄8	3-1⁄4	12
ZD16217		#17	0.1730	2-3⁄16	3-3⁄8	12
ZD16216		#16	0.1770	2-3⁄16	3-3⁄8	12
ZD16215		#15	0.1800	2-3⁄16	3-3⁄8	12
ZD16214		#14	0.1820	2-3⁄16	3-3⁄8	12
ZD16213		#13	0.1850	2-5⁄16	3-1⁄2	12
ZD16012	3⁄16		0.1875	2-5⁄16	3-1⁄2	12
ZD16212		#12	0.1890	2-5⁄16	3-1⁄2	12
ZD16211		#11	0.1910	2-5⁄16	3-1⁄2	12
ZD16210		#10	0.1935	2-7⁄16	3-5⁄8	12
ZD16209		#9	0.1960	2-7⁄16	3-5⁄8	12
ZD16208		#8	0.1990	2-7⁄16	3-5⁄8	12
ZD16207		#7	0.2010	2-7⁄16	3-5⁄8	12
ZD16013	13⁄64		0.2031	2-7⁄16	3-5⁄8	12
ZD16206		#6	0.2040	2-1⁄2	3-3⁄4	12
ZD16205		#5	0.2055	2-1⁄2	3-3⁄4	12
ZD16204		#4	0.2090	2-1⁄2	3-3⁄4	12
ZD16203		#3	0.2130	2-1⁄2	3-3⁄4	12
ZD16014	7⁄32		0.2188	2-1⁄2	3-3⁄4	12
ZD16202		#2	0.2210	2-5⁄8	3-7⁄8	12
ZD16201		#1	0.2280	2-5⁄8	3-7⁄8	12
ZD16101		A	0.2340	2-5⁄8	3-7⁄8	12
ZD16015	15⁄64		0.2344	2-5⁄8	3-7⁄8	12
ZD16102		B	0.2380	2-3⁄4	4"	12
ZD16103		C	0.2420	2-3⁄4	4"	12
ZD16104		D	0.2460	2-3⁄4	4"	12
ZD16016	1⁄4		0.2500	2-3⁄4	4"	12
ZD16105		E	0.2500	2-3⁄4	4"	12
ZD16106		F	0.2570	2-7⁄8	4-1⁄8	12
ZD16107		G	0.2610	2-7⁄8	4-1⁄8	12
ZD16017	17⁄64		0.2656	2-7⁄8	4-1⁄8	12
ZD16108		H	0.2660	2-7⁄8	4-1⁄8	12
ZD16109		I	0.2720	2-7⁄8	4-1⁄8	12
ZD16110		J	0.2770	2-7⁄8	4-1⁄8	12
ZD16111		K	0.2810	2-15⁄16	4-1⁄4	12
ZD16018	9⁄32		0.2812	2-15⁄16	4-1⁄4	12
ZD16112		L	0.2900	2-15⁄16	4-1⁄4	12
ZD16113		M	0.2950	3-1⁄16	4-3⁄8	12
ZD16019	19⁄64		0.2969	3-1⁄16	4-3⁄8	12
ZD16114		N	0.3020	3-1⁄16	4-3⁄8	12
ZD16020	5⁄16		0.3125	3-3⁄16	4-1⁄2	12
ZD16115		O	0.3160	3-3⁄16	4-1⁄2	12
ZD16116		P	0.3230	3-5⁄16	4-5⁄8	6
ZD16021	21⁄64		0.3281	3-5⁄16	4-5⁄8	6
ZD16117		Q	0.3320	3-7⁄16	4-3⁄4	6
ZD16118		R	0.3390	3-7⁄16	4-3⁄4	6
ZD16022	11⁄32		0.3438	3-7⁄16	4-3⁄4	6
ZD16119		S	0.3480	3-1⁄2	4-7⁄8	6
ZD16120		T	0.3580	3-1⁄2	4-7⁄8	6
ZD16023	23⁄64		0.3594	3-1⁄2	4-7⁄8	6
ZD16121		U	0.3680	3-5⁄8	5"	6
ZD16024	3⁄8		0.3750	3-5⁄8	5"	6
ZD16122		V	0.3770	3-5⁄8	5"	6
ZD16123		W	0.3860	3-3⁄4	5-1⁄8	6
ZD16025	25⁄64		0.3906	3-3⁄4	5-1⁄8	6
ZD16124		X	0.3970	3-3⁄4	5-1⁄8	6
ZD16125		Y	0.4040	3-7⁄8	5-1⁄4	6
ZD16026	13⁄32		0.4062	3-7⁄8	5-1⁄4	6
ZD16126		Z	0.4130	3-7⁄8	5-1⁄4	6
ZD16027	27⁄64		0.4219	3-15⁄16	5-3⁄8	6
ZD16028	7⁄16		0.4375	4-1⁄16	5-1⁄2	6
ZD16029	29⁄64		0.4531	4-3⁄16	5-5⁄8	6
ZD16030	15⁄32		0.4688	4-5⁄16	5-3⁄4	6
ZD16031	31⁄64		0.4844	4-3⁄8	5-7⁄8	6
ZD16032	1⁄2		0.5000	4-1⁄2	6"	6

Items may not be exactly as illustrated, Specifications may change without notice.

Hyper Jobber Drill Sets



SKU	No.	From	To	By	Case	No Pcs
ZD16821	#21	1/16	3/8	1/64	Metal	21
ZD16829	#29	1/16	1/2	1/64	Metal	29
ZD16826	#26	A	Z	-	Metal	26
ZD16860	#60	#1	#60	-	Metal	60

Hyper Prentice Drill Sets



SKU	No.	From	To	By	Case	No Pcs
ZD50705	#5HP	9/16	1	1/5	Metal	5

Metal Drill Set Containers



SKU	No.	Style	From	To	By	No Pcs
Metal Jobber Drill Containers						
DR08029	#29	Jobber	1/16	1/2	1/64	29
DR08429	#29F	Display	1/16	1/2	1/64	-
Metal Prentice Drill Container						
DR08008	#88SD	Prentice	9/16	1"	1/16	8

HSS Hyper Stub Length Drills



SKU	Frac	Dec	Flute	Oa Lg	Pkg Qty
ZD12008	1/8	0.1250	11/16	1-15/16	10
ZD12010	5/32	0.1562	7/8	2-5/32	10
ZD12012	3/16	0.1875	1-1/32	2-7/16	10
ZD12014	7/32	0.2188	1-1/8	2-19/32	10
ZD12016	1/4	0.2500	1-7/32	2-3/4	10
ZD12018	9/32	0.2812	1-5/16	2-29/32	10
ZD12020	5/16	0.3125	1-7/16	3-1/8	10
ZD12024	3/8	0.3750	1-11/16	3-1/2	5

HSS Hyper 1/2" Shank Prentice Drills



SKU	Dia	Dec	Flute	Oa Lg	Pkg Qty
ZD50033	33/64	0.5156	3"	6"	1
ZD50534	17/32	0.5312	3"	6"	1
ZD50035	35/64	0.5469	3"	6"	1
ZD50536	9/16	0.5625	3"	6"	1
ZD50037	37/64	0.5781	3"	6"	1
ZD50038	19/32	0.5938	3"	6"	1
ZD50039	39/64	0.6094	3"	6"	1
ZD50540	5/8	0.6250	3"	6"	1
ZD50041	41/64	0.6406	3"	6"	1
ZD50542	21/32	0.6562	3"	6"	1
ZD50043	43/64	0.6719	3"	6"	1
ZD50544	11/16	0.6875	3"	6"	1
ZD50045	45/64	0.7031	3"	6"	1
ZD50046	23/32	0.7188	3"	6"	1
ZD50047	47/64	0.7344	3"	6"	1
ZD50548	3/4	0.7500	3"	6"	1
ZD50049	49/64	0.7656	3"	6"	1
ZD50050	25/32	0.7812	3"	6"	1
ZD50051	51/64	0.7969	3"	6"	1
ZD50552	13/16	0.8125	3"	6"	1
ZD50553	53/64	0.8281	3"	6"	1
ZD50054	27/32	0.8438	3"	6"	1
ZD50555	55/64	0.8594	3"	6"	1
ZD50556	7/8	0.8750	3"	6"	1
ZD50557	57/64	0.8906	3"	6"	1
ZD50058	29/32	0.9062	3"	6"	1
ZD50559	59/64	0.9219	3"	6"	1
ZD50060	15/16	0.9375	3"	6"	1
ZD50561	61/64	0.9531	3"	6"	1
ZD50062	31/32	0.9688	3"	6"	1
ZD50563	63/64	0.9844	3"	6"	1
ZD50600	1"	1.0000	3"	6"	1
ZD50104	1-1/16	1.0625	3"	6"	1
ZD50108	1-1/8	1.1250	3"	6"	1
ZD50112	1-3/16	1.1875	3"	6"	1
ZD50116	1-1/4	1.2500	3"	6"	1
ZD50620	1-5/16	1.3125	3"	6"	1
ZD50124	1-3/8	1.3750	3"	6"	1
ZD50128	1-7/16	1.4375	3"	6"	1
ZD50132	1-1/2	1.5000	3"	6"	1

HSS Hyper Ansi Morse Taper Shank Drills



SKU	Dia	Mts	Dec	Flute	Oa Lg
ZD30008	1/8	#1	0.1250	1-7/8	5-1/8
ZD30009	9/64	#1	0.1406	2-1/8	5-3/8
ZD30010	5/32	#1	0.1562	2-1/8	5-3/8
ZD30011	11/64	#1	0.1719	2-1/2	5-3/4
ZD30012	3/16	#1	0.1875	2-1/2	5-3/4
ZD30013	13/64	#1	0.2031	2-3/4	6"
ZD30014	7/32	#1	0.2188	2-3/4	6"
ZD30015	15/64	#1	0.2344	2-7/8	6-1/8
ZD30016	1/4	#1	0.2500	2-7/8	6-1/8
ZD30017	17/64	#1	0.2656	3"	6-1/4
ZD30018	9/32	#1	0.2812	3"	6-1/4
ZD30019	19/64	#1	0.2969	3-1/8	6-3/8
ZD30020	5/16	#1	0.3125	3-1/8	6-3/8
ZD30021	21/64	#1	0.3281	3-1/4	6-1/2
ZD30022	11/32	#1	0.3438	3-1/4	6-1/2
ZD30023	23/64	#1	0.3594	3-1/2	6-3/4
ZD30024	3/8	#1	0.3750	3-1/2	6-3/4
ZD30025	25/64	#1	0.3906	3-5/8	7"
ZD30026	13/32	#1	0.4062	3-5/8	7"
ZD30027	27/64	#1	0.4219	3-7/8	7-1/4
ZD30028	7/16	#1	0.4375	3-7/8	7-1/4
ZD30029	29/64	#1	0.4531	4-1/8	7-1/2
ZD30030	15/32	#1	0.4688	4-1/8	7-1/2
ZD30031	31/64	#2	0.4844	4-3/8	8-1/4
ZD30032	1/2	#2	0.5000	4-3/8	8-1/4
ZD30033	33/64	#2	0.5156	4-5/8	8-1/2
ZD30034	17/32	#2	0.5312	4-5/8	8-1/2
ZD30035	35/64	#2	0.5469	4-7/8	8-3/4
ZD30036	9/16	#2	0.5625	4-7/8	8-3/4
ZD30037	37/64	#2	0.5781	4-7/8	8-3/4
ZD30038	19/32	#2	0.5938	4-7/8	8-3/4
ZD30039	39/64	#2	0.6094	4-7/8	8-3/4
ZD30040	5/8	#2	0.6250	4-7/8	8-3/4
ZD30041	41/64	#2	0.6406	5-1/8	9"
ZD30042	21/32	#2	0.6562	5-1/8	9"
ZD30043	43/64	#2	0.6719	5-3/8	9-1/4
ZD30044	11/16	#2	0.6875	5-3/8	9-1/4
ZD30045	45/64	#2	0.7031	5-5/8	9-1/2
ZD30046	23/32	#2	0.7188	5-5/8	9-1/2
ZD30047	47/64	#2	0.7344	5-7/8	9-3/4
ZD30048	3/4	#2	0.7500	5-7/8	9-3/4
ZD30049	49/64	#2	0.7656	6"	9-7/8
ZD30050	25/32	#2	0.7812	6"	9-7/8
ZD30051	51/64	#3	0.7969	6-1/8	10-3/4
ZD30052	13/16	#3	0.8125	6-1/8	10-3/4
ZD30053	53/64	#3	0.8281	6-1/8	10-3/4
ZD30054	27/32	#3	0.8438	6-1/8	10-3/4
ZD30055	55/64	#3	0.8594	6-1/8	10-3/4
ZD30056	7/8	#3	0.8750	6-1/8	10-3/4
ZD30057	57/64	#3	0.8906	6-1/8	10-3/4
ZD30058	29/32	#3	0.9062	6-1/8	10-3/4
ZD30059	59/64	#3	0.9219	6-1/8	10-3/4
ZD30060	15/16	#3	0.9375	6-1/8	10-3/4
ZD30061	61/64	#3	0.9531	6-3/8	11"
ZD30062	31/32	#3	0.9688	6-3/8	11"
ZD30063	63/64	#3	0.9844	6-3/8	11"
ZD30100	1"	#3	1.0000	6-3/8	11"
ZD30101	1-1/64	#3	1.0156	6-1/2	11-1/8
ZD30102	1-1/32	#3	1.0312	6-1/2	11-1/8
ZD30103	1-3/64	#3	1.0469	6-5/8	11-1/4
ZD30104	1-1/16	#3	1.0625	6-5/8	11-1/4
ZD30105	1-5/64	#4	1.0781	6-7/8	12-1/2
ZD30106	1-3/32	#4	1.0938	6-7/8	12-1/2
ZD30107	1-7/64	#4	1.1094	7-1/8	12-3/4
ZD30108	1-1/8	#4	1.1250	7-1/8	12-3/4
ZD30109	1-9/64	#4	1.1406	7-1/4	12-7/8
ZD30110	1-5/32	#4	1.1562	7-1/4	12-7/8
ZD30111	1-11/64	#4	1.1719	7-3/8	13"
ZD30112	1-3/16	#4	1.1875	7-3/8	13"
ZD30113	1-13/64	#4	1.2031	7-1/2	13-1/8
ZD30114	1-7/32	#4	1.2188	7-1/2	13-1/8
ZD30115	1-15/64	#4	1.2344	7-7/8	13-1/2
ZD30116	1-1/4	#4	1.2500	7-7/8	13-1/2
ZD30117	1-17/64	#4	1.2656	8-1/2	14-1/8
ZD30118	1-9/32	#4	1.2812	8-1/2	14-1/8
ZD30119	1-19/64	#4	1.2969	8-5/8	14-1/4
ZD30120	1-5/16	#4	1.3125	8-5/8	14-1/4
ZD30121	1-21/64	#4	1.3281	8-3/4	14-3/8
ZD30122	1-11/32	#4	1.3438	8-3/4	14-3/8
ZD30123	1-23/64	#4	1.3594	8-7/8	14-1/2
ZD30124	1-3/8	#4	1.3750	8-7/8	14-1/2
ZD30125	1-25/64	#4	1.3906	9"	14-5/8
ZD30126	1-13/32	#4	1.4062	9"	14-5/8
ZD30127	1-27/64	#4	1.4219	9-1/8	14-1/4
ZD30128	1-7/16	#4	1.4375	9-1/8	14-1/4
ZD30129	1-29/64	#4	1.4531	9-1/4	14-7/8
ZD30130	1-15/32	#4	1.4688	9-1/4	14-7/8
ZD30131	1-31/64	#4	1.4844	9-3/8	15"
ZD30132	1-1/2	#4	1.5000	9-3/8	15"
ZD30133	1-33/64	#5	1.5156	9-3/8	16-3/8
ZD30134	1-17/32	#5	1.5312	9-3/8	16-3/8
ZD30135	1-35/64	#5	1.5469	9-5/8	16-5/8
ZD30136	1-9/16	#5	1.5625	9-5/8	16-5/8
ZD30137	1-37/64	#5	1.5781	9-7/8	16-7/8
ZD30138	1-19/32	#5	1.5938	9-7/8	16-7/8
ZD30139	1-39/64	#5	1.6094	10"	17"
ZD30140	1-5/8	#5	1.6250	10"	17"
ZD30141	1-41/64	#5	1.6406	10-1/8	17-1/8
ZD30142	1-21/32	#5	1.6562	10-1/8	17-1/8
ZD30143	1-43/64	#5	1.6719	10-1/8	17-1/8
ZD30144	1-11/16	#5	1.6875	10-1/8	17-1/8
ZD30145	1-45/64	#5	1.7031	10-1/8	17-1/8
ZD30146	1-23/32	#5	1.7188	10-1/8	17-1/8
ZD30147	1-47/64	#5	1.7344	10-1/8	17-1/8
ZD30148	1-3/4	#5	1.7500	10-1/8	17-1/8
ZD30150	1-25/32	#5	1.7812	10-1/8	17-1/8
ZD30152	1-13/16	#5	1.8125	10-1/8	17-1/8
ZD30154	1-27/32	#5	1.8438	10-1/8	17-1/8
ZD30156	1-7/8	#5	1.8750	10-3/8	17-3/8
ZD30158	1-29/32	#5	1.9062	10-3/8	17-3/8
ZD30160	1-15/16	#5	1.9375	10-3/8	17-3/8
ZD30162	1-31/32	#5	1.9688	10-3/8	17-3/8
ZD30200	2"	#5	2.0000	10-3/8	17-3/8
ZD30204	2-1/16	#5	2.0625	10-1/4	17-3/8
ZD30208	2-1/8	#5	2.1250	10-1/4	17-3/8
ZD30212	2-3/16	#5	2.1875	10-1/4	17-3/8
ZD30216	2-1/4	#5	2.2500	10-1/4	17-3/8
ZD30220	2-5/16	#5	2.3125	10-1/4	17-3/8
ZD30224	2-3/8	#5	2.3750	10-1/4	17-3/8
ZD30228	2-7/16	#5	2.4375	11-1/4	18-3/4
ZD30232	2-1/2	#5	2.5000	11-1/4	18-3/4
ZD30236	2-9/16	#5	2.5625	11-7/8	19-1/2
ZD30240	2-5/8	#5	2.6250	11-7/8	19-1/2
ZD30244	2-11/16	#5	2.6875	12-3/4	20-3/8
ZD30248	2-3/4	#5	2.7500	12-3/4	20-3/8
ZD30252	2-13/16	#5	2.8125	13-3/8	21-1/8
ZD30256	2-7/8	#5	2.8750	13-3/8	21-1/8
ZD30260	2-15/16	#5	2.9375	14"	21-3/4
ZD30300	3"	#5	3.0000	14"	21-3/4

Items may not be exactly as illustrated, Specifications may change without notice.

UNIBIT HSS Fractional

- Single-fluted cutting edge for greater control & rounder holes
- Ideal for drilling holes in thin materials such as mild steel, copper, brass, aluminum, plexiglass, wood and laminates

SKU	No.	Description	# of Hole Sizes	Shank Size
10231	#1	1/8" - 1/2" *(1/32" steps)*	13	1/4"
10232*	#2	3/16" - 1/2" *(1/16" steps)*	6	1/4"
10233*	#3	1/4" - 3/4" *(1/16" steps)*	9	3/8"
10234*	#4	3/16" - 7/8" *(1/16" steps)*	12	3/8"
10235*	#5	1/4" - 1-3/8" *(1/8" steps)*	10	1/2"
10239*	#9	7/8" and 1-1/8" *(1/2" and 3/4" Knock-Out)*	2	1/2"
10310	#10	1/2" *(single hole)*	1	1/4"
10311	#11	7/8" *(single hole)*	1	3/8"
10312	#12	3/8" *(single hole)*	1	1/4"
10313*	#13	1-1/8" *(single hole)*	1	1/2"
10314*	#14	1-7/32" *(single hole)*	1	1/2"
10220	#20	9/16" - 1" *(hole enlarging)*	8	1/2"
10221	#21	13/16" - 1-3/8" *(hole enlarging)*	10	1/2"



IRWIN®

Ultra-Kut™ Step Drill Bits

- 3/8" shank with 3 flats
- Machined from solid M2 high speed steel

SKU	Description
U1000	3/16" to 7/8" in 1/16" increments
U1005	1/4" to 1-3/8" in 1/16" increments



PTA CANADA

Ship Auger Bits



- Single cutter and side lip effortlessly bores holes in wood where nails may be encountered. Cuts through nails without damaging the bit
- Full-length heat treatment guards against bending in heavy-duty applications and strengthens the twist where the greatest strain occurs
- Hollow center flutes clear chips quickly out of holes
- Wide lands help keep bit straight as it bores
- Medium-fast screw point ideal for general woodboring applications. Bit can be resharpened

520H Series Power Drill Long Ship Auger Bits

- All bits have a 12" twist length and a 17" overall length

SKU	Dia.	Shank Size
47306	3/8"	5/16" hex
47307	7/16"	5/16" hex
47308	1/2"	5/16" hex
47309	9/16"	7/16" hex
47310	5/8"	7/16" hex
47311	11/16"	7/16" hex
47312	3/4"	7/16" hex
47313	13/16"	7/16" hex
47314	7/8"	7/16" hex
47315	15/16"	7/16" hex
47316	1"	7/16" hex

SKU	Dia.	Shank Size
47317	1-1/16"	7/16" hex
47318	1-1/8"	7/16" hex
47319	1-3/16"	7/16" hex
47320	1-1/4"	7/16" hex
47321	1-5/16"	7/16" hex
47322	1-3/8"	7/16" hex
47324	1-1/2"	7/16" hex
47326	1-5/8"	7/16" hex
47328	1-3/4"	7/16" hex
47332	2"	7/16" hex

Power Drill Short Ship Auger Bits

- All bits have a 5" twist length and 7-1/2" overall length

SKU	Dia.	Shank Size
42410	5/8"	5/16"
42411	11/16"	5/16"
42412	3/4"	5/16"
42413	13/16"	5/16"
42414	7/8"	5/16"
42416	1"	5/16"
42418	1-1/8"	7/16"
42420	1-1/4"	7/16"



Quick Change Woodboring Bit Extensions



- Tapered head design guides the extension through the hole
- Recessed black sleeve prevents accidental release
- Slim diameter chuck and extension will pass through 11/16" hole

90106
6"

90112
12"

SPEEDBOR® Spade Bit Sets



- Blue-Groove point and cutting edge for faster chip removal - 4x faster than standard spade bits
- Double cutting spurs scribe the outside of the hole reducing breakout
- 10% larger shank for added durability
- Grooved hex shank prevents slipping in drill chuck or bit extension
- Fits all standard quick change chucks
- 3/8", 1/2", 5/8", 3/4", 1", 1-1/8", 1-1/2" Bits
- 1/4" Shank 6" Long

341008

IRWIN®

Items may not be exactly as illustrated, Specifications may change without notice.

Pilot Drills

1/4" High Speed	
	
49-56-8000	For use with Hole Saw Arbors 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7130 and 49-56-7140 For general cutting of wood and metal
49-56-8002	For use with Hole Saw Arbors 49-56-6950, 49-56-7000, 49-56-7055, 49-56-7130 and 49-56-7140 ¼ in. fluting for light gauge metals
49-56-8003	For use with Hole Saw Arbors 49-56-6960 and 49-56-6970 For general cutting of wood and metal
	
49-56-8010	For use with Hole Saw Arbors 49-56-7010 and 49-56-7150 For general cutting of wood and metal

Hex Extension with Quick Change Shanks



➔ One piece 7⁄16" for hole saws, selffeed bits and auger bits *(1" dia. and larger)* with 7⁄16" hex shank

SKU	Length
48-28-4001	5-½"
48-28-4006	12"
48-28-4011	18"
48-28-4016	24"

Arbors

SKU	Shank Thread	Standard Pilot	Can Use 1/4" Flute Pilot	For Hole Saw Diameters
				
49-56-6950*	¼" Round ½"-20	**49-56-8000**	**49-56-8002**	9⁄16" – 1-3⁄16"
				
49-56-7000*	7⁄16" Hex ½"-20	**49-56-8000**	**49-56-8002**	9⁄16" – 1-3⁄16"
				
49-56-7010*	3⁄8" Hex ½"-20	**49-56-8010**		9⁄16" – 1-3⁄16"
				
49-56-7140	7⁄16" Hex 5⁄8"-18	**49-56-8000**	**49-56-8002**	1-¼" & up
				
49-56-7150	3⁄8" Hex 5⁄8"-18	**49-56-8010**		1-¼" & up

* Arbor adapter 49-56-6560, Arbor spacer 49-67-0120 available for use with hole saws over 1-3/16"

Ice Hardened™ Hole Saws

- Ice Hardened™ for up to 50% longer life than the competition
- Optimized tooth form for up to 2X faster cutting
- Functional slots for faster plug removal
- Matrix II bi-metal teeth for greater durability

SKU	Size
49-56-0012	5/8"
49-56-0017	11/16"
49-56-0023	3/4"
49-56-0027	13/16"
49-56-0032	7/8"
49-56-0037	15/16"
49-56-0043	1"
49-56-0047	1-1/16"
49-56-0052	1-1/8"
49-56-0057	1-3/16"
49-56-0062	1-1/4"
49-56-0067	1-5/16"
49-56-0072	1-3/8"
49-56-0077	1-7/16"
49-56-0082	1-1/2"
49-56-0087	1-9/16"
49-56-0092	1-5/8"
49-56-0097	1-11/16"
49-56-0102	1-3/4"
49-56-0107	1-13/16"
49-56-0112	1-7/8"
49-56-0117	2"
49-56-0122	2-1/16"
49-56-0127	2-1/8"
49-56-0132	2-1/4"
49-56-0137	2-5/16"
49-56-0142	2-3/8"
49-56-0147	2-1/2"
49-56-0153	2-9/16"
49-56-0158	2-5/8"
49-56-0163	2-3/4"
49-56-0167	2-7/8"
49-56-0173	3"
49-56-0177	3-1/8"
49-56-0183	3-1/4"
49-56-0187	3-3/8"
49-56-0193	3-1/2"
49-56-0197	3-5/8"
49-56-0203	3-3/4"
49-56-0207	3-7/8"
49-56-0213	4"
49-56-0217	4-1/8"
49-56-0223	4-1/4"
49-56-0227	4-3/8"
49-56-0233	4-1/2"
49-56-0237	4-3/4"
49-56-0243	5"
49-56-0247	5-1/2"
49-56-0253	6"



Ice Hardened™ Hole Saw Kits

- Ice Hardened™ for up to 50% longer life than the competition
- Optimized tooth form for up to 2X faster cutting
- Functional slots for faster plug removal
- Matrix II bi-metal teeth for greater durability

SKU	Description
49-22-4095	10 Piece Electricians
49-22-4105	19 Piece Master Electricians
49-22-4145	10 Piece Plumbers
49-22-4155	18 Piece Master Plumbers
49-22-4175	15 Piece General Purpose
49-22-4185	28 Piece All Purpose Professional



Hole Saw Arbor

- Hole saw arbor Q/C

49-56-9100



Items may not be exactly as illustrated, Specifications may change without notice.

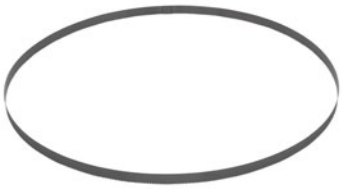
Heavy Duty High Performance Sawzall® Rescue & Demolition Blades

SKU [5 Pack]	Teeth Per Inch	L x W x T	Recommended Use	
Wood w/ Nails Cutting				
48-00-5021	5 / 8	6 x 1.0 x .062	For cutting wood, nail embedded wood, demolition work. Excellent for plunge cutting into wood and nail embedded wood without buckling.	
48-00-5026	5 / 8	9 x 1.0 x .062		
48-00-5027	5 / 8	12 x 1.0 x .062		
Metal Cutting				
48-00-5712	10	6 x 1.0 x .042	Metal ¼" thru ⅜", channels, metal pipe, cast iron, demolition, rescue and remodeling	
48-00-5713	10	9 x 1.0 x .042		
48-00-5782	14	6 x 1.0 x .042	Metal 3⁄16" thru ¼", channels, metal pipe, cast iron, demolition, rescue and remodeling	
48-00-5787	14	9 x 1.0 x .042		
48-00-5784	18	6 x 1.0 x .042	Metal ⅛" thru 3⁄16", conduit, tubing, channels, pipe, rubber, fiber, demolition, rescue and remodeling	
48-00-5788	18	9 x 1.0 x .042		
48-00-5789	18	12 x 1.0 x .042		
All Purpose Demolition				
48-00-5700	8	6 x 1.0 x .062	All woods, nail embedded wood, composition material, plastic,light gauge non-ferrous metals and aluminum	
48-00-5705	8	9 x 1.0 x .062		
48-00-5710	8	12 x 1.0 x .062		

Heavy Duty High Performance Bi-Metal Sawzall® Blades

SKU [5 Pack]	Teeth Per Inch	L x W x T	Recommended Use	
Wood w/ Nails Cutting				
48-00-5012	6	6 x ¾ x .050	Very fast cutting, nail embedded wood, general roughing-in	
48-00-5031	5 / 8	6 x ¾ x .050	Very fast cutting, nail embedded wood, general roughing-in	
48-00-5036	6	9 x ¾ x .050		
48-00-5037	6	12 x ¾ x .050		
48-00-5041	4 /6	6 x ½ x .050	Very fast scroll cutting, circles, contours,nail embedded wood	
General Purpose Cutting				
48-00-5092	10	6 x ¾ x .035	All woods, nail embedded wood, composition material, plastic, ferrous and non ferrous metals, cast iron	
48-00-5091	8 / 12	6 x ¾ x .050		
48-00-5093	8 / 12	8 x ¾ x .050		
48-00-5193	10 / 14	8 x ⅝ x .035		
48-00-5194	10 / 14	12 x ⅝ x .035		
Metal Cutting				
48-00-5182	14	6 x ¾ x .035	Metal 3⁄16" thru ¼", conduit, tubing, channels, pipe, rubber, fiber	
48-00-5282	14	6 x ⅝ x .035		
48-00-5187	14	9 x ¾ x .035		
48-00-5184	18	6 x ¾ x .035	Metal ⅛" thru 3⁄16", conduit, tubing, channels, pipe	
48-00-5284	18	6 x ⅝ x .035		
48-00-5188	18	9 x ¾ x .035		
48-00-5189	18	12 x ¾ x .035		
48-00-5185	24	4 x ¾ x .035	Metal thinner than ⅛", tubing, pipe, trim	
48-00-5186	24	6 x ⅝ x .035		

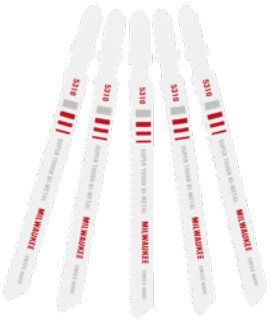
Bi-Metal Band Saw Blades



- Outlast conventional blades up to 3 times. An extremely hard and uniform tooth point is electron beam welded to a tough durable backing with high flex life for faster cutting and longer blade life. Recommended for cutting aluminum, angle iron, bronze, brass, copper, galvanized pipe, mild steel and tougher steels including stainless, chrome, tungsten steel plus other problem material at slow speed.
- Single blades

SKU	Teeth Per Inch	Diameter or Wall Thickness	Recommended Use
48-39-0500	10	5/16" & up	High speed cutting of aluminum, angle iron, bronze, brass, copper, galvanized pipe, mild steel. Tougher steels include stainless steel, chrome, tungsten steel, plus other problem materials at slow speed.
48-39-0510	14	3/16" – 5/16"	
48-39-0520	18	5/32" – 3/16"	
48-39-0530	24	Up to 5/32"	

T-Shank Jig Saw Blades



- Fits Jig Saws 6266-6, 6266-21, 6266-22, 6267-20, 6267-21, 6268-21, 6276-6, 6276-21 and other popular brands

SKU [5 Packs]	Blade Material	Teeth Per Inch	Tooth Type	Length	Width	Recommended Use
General Purpose						
48-52-5300	Bi-Metal	6	Milled & Set	4"	9/32"	Fast cutting, nail embedded wood
48-52-5310	Bi-Metal	10	Milled & Set	4"	9/32"	Fast cutting, nail embedded wood
48-52-5390	Bi-Metal	12	Milled, Wavy Set	3"	3/16"	Scroll cutting in wood and metal
Wood Cutting						
48-42-5302	Bi-Metal	6	Taper Ground	4"	9/32"	Very fast clean cutting
48-42-5311	Bi-Metal	10	Taper Ground	4"	9/32"	Fast clean cutting
48-42-5385	Bi-Metal	20	Taper Ground	3"	3/16"	Scroll cutting in wood and laminates
Metal Cutting						
48-42-5850	Bi-Metal	8	Milled & Set	4"	9/32"	Aluminum, non-ferrous metals
48-42-5190	Bi-Metal	14	Milled, Wavy Set	3"	9/32"	Thick metal over 1/4" thick
48-42-5192	Bi-Metal	14	Milled, Raker Set	5-1/4"	9/32"	Thick metal, tubing etc.
48-42-5121	Bi-Metal	18	Milled, Wavy Set	3"	9/32"	Metal over 1/8" thick
48-42-5161	Bi-Metal	24	Milled, Wavy Set	3"	9/32"	Metal under 1/8" thick
48-42-5166	Bi-Metal	24	Milled, Wavy Set	5-1/4"	9/32"	Thin metal under 1/8" thick
48-42-5101	High Speed Steel	14	Milled, Wavy Set	3"	9/32"	Metal over 1/4" thick

U-Shank Jig Saw Blades



- Fits previous Jig Saw Model 6256-6 and other popular brands

SKU [5 Packs]	Blade Material	Teeth Per Inch	Tooth Type	Length	Width	Recommended Use
General Purpose						
48-42-2300	Bi-Metal	6	Milled & Set	4"	9/32"	Fast cutting, nail embedded wood
48-42-2310	Bi-Metal	10	Milled & Set	4"	9/32"	Fast cutting, nail embedded wood
48-42-2390	Bi-Metal	12	Milled, Wavy Set	2-3/4"	3/16"	Scroll cutting in wood and metal
Wood Cutting						
48-42-2302	Bi-Metal	6	Taper Ground	4"	9/32"	Very fast clean cutting
48-42-2311	Bi-Metal	10	Taper Ground	4"	9/32"	Fast clean cutting
48-42-2385	Bi-Metal	20	Taper Ground	2-3/4"	3/16"	Scroll cutting in wood and laminates
Metal Cutting						
48-42-0850	Bi-Metal	8	Milled & Set	4"	9/32"	Aluminum, non-ferrous metals
48-42-2190	Bi-Metal	14	Milled, Wavy Set	3-5/8"	9/32"	Thick metal over 1/4" thick
48-42-2192	Bi-Metal	14	Milled, Raker Set	5"	9/32"	Thick metal, tubing etc.
48-42-2120	Bi-Metal	18	Milled, Wavy Set	2-3/4"	9/32"	Metal over 1/8" thick
48-42-2160	Bi-Metal	24	Milled, Wavy Set	2-3/4"	9/32"	Metal under 1/8" thick
48-42-2166	Bi-Metal	24	Milled, Wavy Set	5"	9/32"	Thin metal under 1/8" thick

Items may not be exactly as illustrated, Specifications may change without notice.

Machine Screw Taps (HCS)

- Ideal for routine maintenance, repair work and for rethreading where high accuracy and tolerance thread is not critical
- Straight flutes are ground to provide rapid chip removal for efficient threading
- Designed for hand threading work in a variety of materials
- Taps produce a class 2B thread

Size	No. of Flutes	Plug Tap Bulk	Taper Tap Bulk	Bottom Tap Bulk
0 - 80 NF	2	1102	1002	1202
1 - 64 NC	2	1104	1004	1204
1 - 72 NF	2	1105	1005	1205
2 - 56 NC	3	1106	1006	1206
2 - 64 NF	3	1107	1007	1207
3 - 48 NC	3	1108	1008	1208
3 - 56 NF	3	1109	1009	1209
4 - 36 NS	3	1111	1011	1211
4 - 40 NC	3	1112	1012	1212
4 - 48 NF	3	1113	1013	1213
5 - 40 NC	3	1116	1016	1216
5 - 44 NF	3	1117	1017	1217
6 - 32 NC	3	1118	1018	1218
6 - 36 NS	3	1119	1019	1219
6 - 40 NF	3	1120	1020	1220
6 - 48 NS	3	1121	1021	1221
8 - 32 NC	4	1124	1024	1224
8 - 36 NF	4	1125	1025	1225
8 - 40 NS	4	1126	1026	1226
10 - 24 NC	4	1128	1028	1228
10 - 32 NF	4	1131	1031	1231
12 - 24 NC	4	1132	1032	1232
12 - 28 NF	4	1133	1033	1233
12 - 32 NEF	4	1134	1034	1234
14 - 20 NS	4	1135	1035	1235
14 - 24 NS	4	1136	1036	1236



1032



1132



1232

Fractional Taps (HCS)

- Ideal for routine maintenance, repair work and for rethreading where high accuracy and tolerance thread is not critical
- Straight flutes are ground to provide rapid chip removal for efficient threading
- Designed for hand threading work in a variety of materials
- Taps produce a class 2B thread

Size	No. of Flutes	Plug Tap Bulk	Taper Tap Bulk	Bottom Tap Bulk
1/8" - 40 NS	3	—	1306	1506
3/16" - 24 NS	4	1412	1312	1512
3/16" - 32 NS	4	1413	1313	1513
1/4" - 20 NC	4	1420	1320	1520
1/4" - 24 NS	4	1421	1321	1521
1/4" - 28 NF	4	1423	1323	1523
1/4" - 32 NEF	4	1424	1324	1524
1/4" - 40 NS	4	1425	1325	1525
5/16" - 18 NC	4	1427	1327	1527
5/16" - 24 NF	4	1429	1329	1529
5/16" - 32 NEF	4	1431	1331	1531
3/8" - 16 NC	4	1434	1334	1534
3/8" - 24 NF	4	1436	1336	1536
7/16" - 14 NC	4	1439	1339	1539
7/16" - 20 NF	4	1440	1340	1540
1/2" - 13 NC	4	1444	1344	1544
1/2" - 20 NF	4	1445	1345	1545
1/2" - 24 NS	4	1446	1346	1546
9/16" - 12 NC	4	1448	1348	1548
9/16" - 18 NF	4	1449	1349	1549
5/8" - 11 NC	4	1452	1352	1552
5/8" - 18 NF	4	1454	1354	1554
11/16" - 11 NS	4	1456	1356	1556
11/16" - 16 NS	4	1457	1357	1557
3/4" - 10 NC	4	1458	1358	1558
3/4" - 16 NF	4	1460	1360	1560
7/8" - 9 NC	4	1461	1361	1561
7/8" - 14 NF	4	1463	1363	1563
1" - 8 NC	4	1465	1365	1565
1" - 12 NF	4	1466	1366	1566
1" - 14 NS	4	1467	1367	1567



1323



1423



1523

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Metric Taps (HCS)

➔ Ideal for auto repair and machinery where metric threads are specified

Size	No. of Flutes	Plug Tap Carded	Taper Tap Bulk	Bottom Tap Bulk
3 mm - 0.50	3	8312	1712	1812
3 mm - 0.60	3	—	1713	—
4 mm - 0.70	4	8317	1717	1817
4 mm - 0.75	4	8318	1718	1818
5 mm - 0.80	4	8322	1722	1822
5 mm - 0.90	4	8323	1723	1823
6 mm - 1.00	4	8327	1727	1827
6.3 mm - 1.00	4	—	1729	1829
7 mm - 1.00	4	8331	1731	1831
8 mm - 1.00	4	8333	1733	1833
8 mm - 1.25	4	8334	1734	1834
9 mm - 0.75	4	8335	—	—
9 mm - 1.00	4	8336	—	—
9 mm - 1.25	4	8337	1737	1837
10 mm - 1.00	4	8338	1738	1838
10 mm - 1.25	4	8339	1739	1839
10 mm - 1.50	4	8340	1740	1840
11 mm - 1.50	4	8341	1741	—
12 mm - 1.25	4	8342	1742	1842
12 mm - 1.50	4	8343	1743	—
12 mm - 1.75	4	8344	1744	1844
14 mm - 1.25	4	—	1749	1849
14 mm - 1.50	4	—	1750	—
14 mm - 2.00	4	—	1752	1852
16 mm - 1.00	4	—	1754	—
16 mm - 1.50	4	—	1755	1855
16 mm - 2.00	4	—	1756	1856
18 mm - 1.50	4	—	1759	1859
18 mm - 2.50	4	—	1761	1861
20 mm - 2.50	4	—	1764	1864
22 mm - 1.50	4	—	1765	1865
24 mm - 2.00	4	—	1768	1868
24 mm - 3.00	4	—	1769	1869



1859

Spark Plug Taps (HCS)

➔ Available in standard and metric threads
➔ Ideal for threading or re-threading spark plug holes

Description	No. of Flutes	Taper Tap Bulk
14 mm - 1.25	4	2449
18 mm - 1.50	4	2459



2459

Pipe Taper Taps (HCS)

➔ Cuts internal threads in pipes
➔ Nominal size of the tap is that of the pipe fitting being tapped
➔ Available in National Pipe Taper *(NPT)* and British Standard Pipe Taper *(BSP)*
➔ Ideal for pipe fittings
➔ Tapered at a rate of ¾" per foot

Description	No. of Flutes	Taper Tap Bulk
⅛" - 27 NPT	4	1902
¼" - 18 NPT	4	1903
⅜" - 18 NPT	4	1904
½" - 14 NPT	4	1905
¾" - 14 NPT	5	1906
1" - 11-½ NPT	5	1907
1-¼" - 11-½ NPT	5	1908
1-½" - 11-½ NPT	6	1909
2" - 11-½ NPT	6	1910
⅛" - 28 BSP	4	1911
¼" - 19 BSP	4	1912



1903

Cut Thread Pipe Taper Taps (HCS)

➔ Cuts internal threads in pipes
➔ Ideal for pipe fittings
➔ Tapered at a rate of ¾" per foot

Description	No. of Flutes	Taper Tap Bulk
⅛" - 27 NPT	4	459001
¼" - 18 NPT	4	459002
⅜" - 18 NPT	4	459003
½" - 14 NPT	4	459004
¾" - 14 NPT	5	459005
1" - 11-½ NPT	5	459006
1-¼" - 11-½ NPT	5	459007
1-½" - 11-½ NPT	6	459008



1903

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Items may not be exactly as illustrated, Specifications may change without notice.

Ground Thread Fractional Taps (HSS)

- Ground thread taps produce a tighter thread tolerance than cut thread taps
- Designed to .0005" pitch diameter tolerance
- Straight fluted, hand taps

Size	No. of Flutes	Pitch Diameter Limits	Plug Tap	Taper Tap	Bottom Tap
			Bulk	Bulk	Bulk
¼" - 20 NC	4	H3	313310	310310	316310
¼" - 28 NF	4	H3	313312	310312	316312
5⁄16" - 18 NC	4	H3	313315	310315	316315
5⁄16" - 24 NF	4	H3	313316	310316	316316
⅜" - 16 NC	4	H3	313318	310318	316318
⅜" - 24 NF	4	H3	313319	310319	316319
7⁄16" - 14 NC	4	H3	313320	310320	316320
½" - 13 NC	4	H3	313322	310322	316322
½" - 20 NF	4	H3	313325	310323	316323
9⁄16" - 18 NF	4	H3	313326	—	—
⅝" - 11 NC	4	H3	313327	310327	316327
⅝" - 18 NF	4	H3	313328	310328	316328
¾" - 10 NC	4	H3	313331	310331	316331
¾" - 16 NF	4	H3	313332	310332	316332
⅞" - 9 NC	4	H4	313433	310433	316433
⅞" - 14 NF	4	H4	313434	310434	316434
1" - 8 NC	4	H4	313435	310435	316435
1" - 12 NF	4	H4	313436	—	—
1" - 14 NS	4	H4	313437	—	—
1-⅛" - 7 NC	4	H4	313438	310438	316438
1-⅛" - 12 NF	4	H4	313439	310439	316439
1-¼" - 7 NC	4	H4	313440	310440	316440
1-¼" - 12 NF	6	H4	313441	310441	316441
1-⅜" - 6 NC	4	H4	—	310442	—
1-⅜" - 12 NF	6	H4	—	310443	—
1-½" - 6 NC	4	H4	—	310444	316444
1-½" - 12 NF	6	H4	313445	—	—



310310



313310



316310

Ground Thread Machine Screw Taps (HSS)

- Ideal for maintenance and repair work
- Ground thread taps produce a tighter thread tolerance than cut thread taps
- Designed to .0005" pitch diameter tolerance
- Straight fluted, hand taps

Size	No. of Flutes	Pitch Diameter Limits	Plug Tap	Taper Tap	Bottom Tap
			Bulk	Bulk	Bulk
0 - 80 NF	2	H1	303101	—	—
1 - 64 NC	2	H1	303102	—	—
1 - 72 NC	2	H1	303103	—	—
2 - 56 NC	3	H2	303205	—	306205
6 - 32 NC	3	H3	—	300315	—
8 - 32 NC	4	H3	303319	300319	—
10 - 24 NC	4	H3	303322	300322	—
10 - 32 NF	4	H3	303323	300323	—
12 - 24 NC	4	H3	—	300325	—
12 - 28 NF	4	H3	—	300326	—



300325

Ground Thread Left-hand Fractional Plug Taps (HSS)

- Left-hand taps cut threads with a left-hand rotation
- Used in applications where left-hand studs or fasteners are required

Size	No. of Flutes	Pitch Diameter Limits	Bulk
¼" - 20 NC	4	H3	2120
¼" - 28 NF	4	H3	2123
5⁄16" - 18 NC	4	H3	2127
5⁄16" - 24 NF	4	H3	2129
⅜" - 16 NC	4	H3	2134
⅜" - 24 NF	4	H3	2136
7⁄16" - 14 NC	4	H3	2139
7⁄16" - 20 NF	4	H3	2140
½" - 13 NC	4	H3	2144
½" - 20 NF	4	H3	2145
9⁄16" - 12 NC	4	H3	2148
9⁄16" - 18 NF	4	H3	2149
⅝" - 11 NC	4	H3	2152
⅝" - 18 NF	4	H3	2154
¾" - 10 NC	4	H3	2158
¾" - 16 NF	4	H3	2160



2120

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Hexagon Machine Screw/ Fractional Dies (HCS)

- Ideal for maintenance and repair work
- Recommended for use with hexagon die stock
- Die can be used with a wrench or socket when space is limited



Size	1" Across Flat	1-7/16" Across Flat	1-13/16" Across Flat
	Bulk	Bulk	Bulk
4 - 36 NS	6411	—	—
4 - 40 NC	6412	—	—
5 - 40 NC	6416	—	—
6 - 32 NC	6418	—	—
8 - 32 NC	6424	—	—
10 - 24 NC	6428	—	—
10 - 32 NF	6431	—	—
12 - 24 NC	6432	—	—
14 - 20 NS	6435	—	—
3/16" - 24 NS	6512	—	—
1/4" - 20 NC	6520	—	—
1/4" - 28 NF	6523	—	—
5/16" - 18 NC	6527	—	—
5/16" - 24 NF	6529	—	—
3/8" - 16 NC	6534	—	—
3/8" - 24 NF	6536	—	—
7/16" - 14 NC	6539	—	—
7/16" - 20 NF	6540	—	—
1/2" - 13 NC	6544	—	—
1/2" - 20 NF	6545	—	—
9/16" - 12 NC	—	6848	—
9/16" - 18 NF	—	6849	—
5/8" - 11 NC	—	6852	—
5/8" - 18 NF	—	6854	—
3/4" - 10 NC	—	6858	—
3/4" - 16 NF	—	6860	—
7/8" - 9 NC	—	—	8461
7/8" - 14 NF	—	—	8463
1" - 8 NC	—	—	8465
1" - 14 NS	—	—	8467

Hexagon Pipe Taper Dies (HCS)

- Ideal for plumbing and air applications



Size	1" Across Flat	1-7/16" Across Flat
	Bulk	Bulk
1/8" - 27 NPT	6702	—
1/4" - 18 NPT	6703	—
3/8" - 18 NPT	—	7004
1/2" - 14 NPT	—	7005

Round Machine Screw Dies (HCS)

- Adjustable round dies ideal for precision threading



Size	1" Overall Diam. Screw Adj.
	Bulk
4 - 40 NC	3712
4 - 48 NF	3713
5 - 40 NC	3716
5 - 44 NF	3717
6 - 32 NC	3718
6 - 36 NS	3719
6 - 40 NF	3720
6 - 48 NS	3721
8 - 32 NC	3724
8 - 36 NF	3725
8 - 40 NS	3726
10 - 24 NC	3728
10 - 32 NF	3731
12 - 24 NC	3732
12 - 28 NF	3733
14 - 20 NS	3735

Round Pipe Taper Dies (HCS)

- Adjustable round dies ideal for precision threading
- Left-hand dies cut threads with a left-hand rotation



Size	1-1/2" O.D. Screw Adj.	2" O.D. Screw Adj.
	Bulk	Bulk
1/8" - 27 NPT	5102	—
1/4" - 18 NPT	5103	—
3/8" - 18 NPT	5104	—
1/2" - 14 NPT	5105	—
1/2" - 14 NPT	—	4305
3/4" - 14 NPT	—	4306

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Items may not be exactly as illustrated, Specifications may change without notice.

Adjustable Round Fractional Dies Right Hand (HCS)



- Adjustable round dies ideal for precision threading
- Left-hand dies cut threads with a left-hand rotation

Size	Right-Hand 1-1/2" O.D.	Right-Hand 2" O.D.	Right-Hand 3" O.D.
	Bulk	Bulk	Bulk
¼" - 20 NC	4020	—	—
¼" - 28 NF	4023	—	—
5⁄16" - 18 NC	4027	—	—
5⁄16" - 24 NF	4029	—	—
⅜" - 16 NC	4034	—	—
⅜" - 24 NF	4036	—	—
7⁄16" - 14 NC	4039	—	—
7⁄16" - 20 NF	4040	—	—
½" - 13 NC	4044	—	—
½" - 20 NF	4045	—	—
9⁄16" - 12 NC	4048	—	—
9⁄16" - 18 NF	4049	—	—
⅝" - 11 NC	4052	—	—
⅝" - 18 NF	4054	—	—
11⁄16" - 11 NS	4056	—	—
11⁄16" - 16 NS	4057	—	—
¾" - 10 NC	4058	—	—
¾" - 16 NF	4060	—	—
⅞" - 9 NC	—	4261	—
⅞" - 14 NF	—	4263	—
1" - 8 NC	—	4265	—
1" - 12 NF	—	4266	—
1" - 14 NS	—	4267	—
1-⅛" - 7 NC	—	—	4668
1-⅛" - 12 NF	—	—	4669
1-¼" - 7 NC	—	—	4670
1-¼" - 12 NF	—	—	4671
1-⅜" - 6 NC	—	—	4672
1-⅜" - 12 NF	—	—	4673
1-½" - 6 NC	—	—	4674
1-½" - 12 NF	—	—	4675

Hexagon Metric Dies (HCS)



- Ideal for automotive repair and machinery where metric threads are specified

Size	1" Across Flat	1-7/16" Across Flat	1-13/16" Across Flat
	Bulk	Bulk	Bulk
3 mm - 0.50	6612	—	—
3 mm - 0.60	6613	—	—
4 mm - 0.70	6617	—	—
4 mm - 0.75	6618	—	—
5 mm - 0.80	6622	—	—
5 mm - 0.90	6623	—	—
6 mm - 1.00	6627	—	—
6.3 mm - 1.00	6629	—	—
7 mm - 1.00	6631	—	—
8 mm - 1.00	6633	—	—
8 mm - 1.25	6634	—	—
9 mm - 0.75	6635	—	—
9 mm - 1.00	6636	—	—
9 mm - 1.25	6637	—	—
10 mm - 1.00	6638	—	—
10 mm - 1.25	6639	—	—
10 mm - 1.50	6640	—	—
11 mm - 1.50	6641	—	—
12 mm - 1.25	6642	—	—
12 mm - 1.50	6643	—	—
12 mm - 1.75	6644	—	—
14 mm - 1.25	—	6949	—
14 mm - 1.50	—	6950	—
14 mm - 2.00	—	6952	—
16 mm - 1.00	—	6954	—
16 mm - 1.50	—	6955	—
16 mm - 2.00	—	6956	—
18 mm - 1.50	—	6959	—
18 mm - 2.50	—	6961	—
20 mm - 2.50	—	—	8564
22 mm - 1.50	—	—	8565
24 mm - 2.00	—	—	8568
24 mm - 3.00	—	—	8569

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Threading Tools

SKU	Description	Usage	
Plain Die Stock Handles			
➔ Dies easily lock in position with set screw			
12457	DS-57 Bulk	For 5/8" Hexagon Dies	
12008	DS-9 Carded	For 1" Hexagon or Round Dies	
Adjustable Guide Die Stock Handles			
➔ Maintains alignment for accurate, straight threading			
12428	DS - 28 Bulk	For 1" Adjustable Round Dies	
12435	DS - 35 Bulk	For 1-½" Adjustable Round Dies	
12445	DS - 45 Bulk	For 2" Adjustable Round Dies	
12026	DS - 26 Carded	For 1" Hexagon or Round Dies	
12436	DS - 36 Bulk	For 1-7/16" Hexagon Dies	
12446	DS - 46 Bulk	For 1-13/16" Hexagon Dies	
Offset Handle Adjustable Tap & Reamer Wrenches			
➔ Straight handle design provides greater leverage, especially when using larger diameter taps			
12021	TR-21 Carded	For Taps No. 0 to ½" *(3 mm to 12 mm)*	
Adjustable Tap Handle & Reamer Wrenches			
➔ Straight handle design provides greater leverage, especially when using larger diameter taps ➔ Designed for use with taps, reamers, screw extractors and other tools with a square shank			
12088	TR-88 Carded	For Taps No. 0 to ½" *(3 mm to 12 mm)*	
12498	TR-98 Bulk	For Taps ¼" to 1" *(6 mm to 24 mm)*	
Reamers			
➔ For deburring and enlarging holes in sheet metal and similar materials ➔ Not for use in machine tools			
11214	Repair Reamer *(⅛" to ½")*		
11221	Repair Reamer Pouched *(½" to 1")*		
T-Handle Tap Wrenches			
➔ Designed for use with taps, reamers, screw extractors and other tools with a square shank ➔ Adjusted and tightened to size by twisting knurled nut ➔ End of TR-50 & TR-73 wrench has ⅜" square drive to accommodate socket wrench or extension when desired			
12001	TR - 1E Carded	For Taps No. 0 to ¼" *(3 mm to 6 mm)*	
12115	TR - 1-½E Carded	For Taps No. 12 to 5/16"	
12002	TR - 2E Carded	For Taps ¼" to ½" *(6 mm to 12 mm)*	
12050	TR - 50 Carded	With ⅜" Drive For Taps ¼" to ½" *(6 mm to 12 mm)*	
12073	TR - 73* Carded	With ⅜" Drive For Taps No. 0 to ¼" *(3 mm - 6 mm)* [Comes with hexagon nut]	
Thread Pitch Gauges			
12016	Carded - 16-Leaf Metric Thread Pitch Gauge		
12018	Carded - 18-Leaf Standard Thread Pitch Gauge		

Items may not be exactly as illustrated, Specifications may change without notice.

41 Piece Machine Screw / Fractional Tap & Hex Die Set

- ***Machine Screw Plug Tap and 5/8" Hexagon Dies in sizes:*** 4 - 40 NC, 6 - 32 NC, 8 - 32 NC, 10 - 24 NC, 10 - 32 NF, 12 - 24 NC
- ***Fractional Plug Tap and 1" Hexagon Dies in sizes:*** ¼" - 20 NC, ¼" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF, 3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF, ½" - 13 NC, ½" - 20 NF
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes:*** ⅛" - 27 NPT
- ***Threading Tools:*** Adjustable Die Stock - 1" Dies, Plain Die Stock - 5/8" Hexagon Dies, Adj. Handle Tap Wrench - Taps No. 0 to ½", T-Handle Wrench - Taps No. 0 to ¼", Two-in-One Tap Wrench - Taps ¼" to ½", 18 Leaf Standard Thread Pitch Gauge, Empty Plastic Case

34606



53 Piece Machine Screw / Fractional Tap & Hex Die Set

- ***Machine Screw Plug Tap and 1 " Hexagon Die in sizes:*** 6 - 32 NC, 8 - 32 NC, 10 - 24 NC, 10 - 32 NF, 12 - 24 NC
- ***Fractional Plug Tap and 1" Hexagon Dies in sizes:*** ¼" - 20 NC, ¼" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF, 3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF, ½" - 13 NC, ½" - 20 NF
- ***Fractional Plug Tap and 1-7/16" Hexagon Dies in sizes:*** 9/16" - 12 NC, 9/16" - 18 NF, 5/8" - 11 NC, 5/8" - 18 NF, ¾" - 10 NC, ¾" - 16 NF
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes:*** ⅛" - 27 NPT, ¼" - 18 NPT
- ***Threading Tools:*** Adjustable Die Stock - 1" Dies, Adjustable Die Stock - 1-7/16" Dies, T-Handle Wrench - Taps No. 0 to ¼", Adj. Handle Tap Wrench - Taps No. 0 to ½", Adj. Handle Tap Wrench - Taps No. ¼" to 1", 18 Leaf Standard Thread Pitch Gauge

24640



66 Piece Machine Screw / Fractional & Hex Die Set

- ***Machine Screw Plug Tap and 5/8" Hexagon Dies in sizes :*** 4 - 40 NC, 6 - 32 NC, 8 - 32 NC, 10 - 24 NC, 10 - 32 NF, 12 - 24 NC
- ***Fractional Thread Plug Tap and 1" Hexagon Dies in sizes :*** ¼" - 20 NC, ¼" - 28 NF, 5/16" - 18 NC, 5/16" - 24 NF, 3/8" - 16 NC, 3/8" - 24 NF, 7/16" - 14 NC, 7/16" - 20 NF, ½" - 13 NC, ½" - 20 NF
- ***Fractional Thread Plug Tap and 1-7/16" Hexagon Dies in sizes :*** 9/16" - 12 NC, 9/16" - 18 NF, 5/8" - 11 NC, 5/8" - 18 NF, ¾" - 10 NC, ¾" - 16 NF
- ***Fractional Thread Plug Tap and 1-13/16" Hexagon Dies in sizes :*** 7/8" - 9 NC, 7/8" - 14 NF, 1" - 8 NC, 1" - 14 NS
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes :*** ⅛" - 27 NPT, ¼" - 18 NPT
- ***Threading Tools:*** Adj. Die Stock - 1" Hexagon Dies, Adj. Die Stock - 1-7/16" Hexagon Dies, Adj. Die Stock - 1-13/16" Hexagon Dies, Plain Die Stock - 5/8" Hexagon Dies, Adj. Handle Tap Wrench - Taps No. 0 to ½", Adj. Handle Tap Wrench - Taps ¼" to 1", Two-in-One Tap Wrench - Taps ¼" to ½", T-Handle Wrench - Taps No. 0 to ¼", 18 Leaf Standard Thread Pitch Gauge

97606



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41 Piece Metric Tap & Hex Die Set

- ***Metric Plug Tap and ⅝" Hexagon Dies in sizes:*** 3mm - 0.50, 4mm - 0.70, 4mm - 0.75, 5mm - 0.80, 5mm - 0.90, 6mm - 1.00
- ***Metric Plug Tap and 1" Hexagon Dies in sizes:*** 7mm - 1.00, 8mm - 1.00, 8mm - 1.25, 9mm - 1.00, 9mm - 1.25, 10mm - 1.25, 10mm - 1.50, 11mm - 1.50, 12mm - 1.50, 12mm - 1.75
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes:*** ⅛" - 28 BSP
- ***Threading Tools:*** Adjustable Die Stock - 1" Dies, Plain Die Stock - ⅝" Hexagon Dies, Adj. Handle Tap Wrench - Taps No. 0 to ¼", Two-in-One Tap Wrench - taps ¼" to ½", 16 Leaf Metric Thread Pitch Gauge, Empty Plastic Case

26317



53 Piece Metric Tap & Hex Die Set

- ***Metric Plug Tap and 1" Hexagon Dies in sizes:*** 3mm - 0.50, 4mm - 0.70, 4mm - 0.75, 5mm - 0.80, 5mm - 0.90, 6mm - 1.00, 7mm - 1.00, 8mm - 1.25, 9mm - 1.00, 9mm - 1.25, 10mm - 1.25, 10mm - 1.50, 11mm - 1.50, 12mm - 1.50, 12mm - 1.75
- ***Metric Plug Tap and 1-7⁄16" Hexagon Dies in sizes:*** 14mm - 2.00, 16mm - 1.50, 16mm - 2.00, 18mm - 1.50, 18mm - 2.50
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes:*** ⅛" - 28 BSP, ¼" - 19 BSP
- ***Threading Tools:*** Adjustable Die Stock - 1" Dies, Adjustable Die Stock - Hexagon Dies, T-Handle Wrench - Taps No. 0 to ¼", T-Handle Wrench - Taps No. 0 to ½", Adj. Handle Tap Wrench - Taps No. ¼" to 1", 16 Leaf Metric Thread Pitch Gauge, Empty Plastic Case

26394



66 Piece Metric Tap & Hex Die Set

- ***Metric Plug Tap and ⅝" Hexagon Dies in sizes:*** 3mm - 0.50, 4mm - 0.70, 4mm - 0.75, 5mm - 0.80, 5mm - 0.90, 6mm - 1.00
- ***Metric Plug Tap and 1" Hexagon Dies in sizes:*** 7mm - 1.00, 8mm - 1.00, 8mm - 1.25, 9mm - 1.00, 9mm - 1.25, 10mm - 1.25, 10mm - 1.50, 11mm - 1.50, 12mm - 1.50, 12mm - 1.75
- ***Metric Plug Tap and 1-7⁄16" Hexagon Dies in sizes:*** 14mm - 1.50, 14mm - 2.00, 16mm - 1.50, 16mm - 2.00, 18mm - 1.50, 18mm - 2.50
- ***Metric Plug Tap and 1-13⁄16" Hexagon Dies in sizes:*** 20mm - 2.50, 22mm - 1.50, 24mm - 2.00, 24mm - 3.00
- ***Pipe Thread Plug Tap and 1" Hexagon Dies in sizes:*** ⅛" - 28 BSP
- ***Threading Tools:*** Adjustable Die Stock - 1" Dies, Adjustable Die Stock - 1-7⁄16" Hexagon Dies, Adjustable Die Stock 1-3⁄16" Hexagon Dies, Plain Die Stock - ⅝" Hexagon Dies, T-Handle Wrench - Taps No. 0 to ¼", Adj. Handle Tap Wrench - Taps No. 0 to ½", Adj. Handle Tap Wrench - Taps No. ¼" to ½", Two-in-One Tap Wrench - Taps ¼" to ½", 16 Leaf Metric Thread Pitch Gauge

97312



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Items may not be exactly as illustrated, Specifications may change without notice.

Tap & Die Overview

Although there are hundreds of different types of fasteners, most of them have the same basic design: a spiral groove inside a hole matches the threads on the outside diameter of a screw or bolt. IRWIN HANSON taps and dies are the tools used by professionals to create threads to solve the most challenging fastener applications.

IRWIN

Material Types
- High Carbon Steel *(HCS)* for hand tapping applications
- High Speed Steel *(HSS)* for machine tapping where critical dimensions are required



Laser Etched
- Tap size and recommended drill bit size are laser etched on each tool for easy identification

Precision Ground Flutes

TAP POINT STYLES

Taper Taps



8-10 threads

- Easiest to start
- 8 to 10 threads chamfered
- Ideal for tough starting applications
- Preferred use with deep or through hole applications

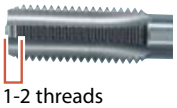
Plug Taps



3-5 threads

- 3 to 5 threads chamfered
- Most common chamfer
- Ideal for all general purpose threading

Bottom Taps



1-2 threads

- 1 to 2 threads chamfered
- Shortest and least efficient standard chamfer
- Ideal for threading close to the bottom of blind holes

DIE STYLES

Hexagon Dies



5/8", 1", 1-7/16" & 1-13/16" Across Hex Flats
- Best suited to maintenance and repair work
- Recommended for use with hexagonal die stock handles
- In area with limited space, die can be used with a wrench or socket

Adjustable Round Dies



1", 1-1/2", 2" & 3" Overall Diameter
- Adjustable dies allow the user to under or over cut their threads
- Ideal for a precision threading with the adjustment of die made by set screw
- Fits into adjustable guide or plain die stock handles
- Meets Federal Specifications GGG-D-296

Solid Round Dies



1" & 1-1/2" Overall Diameter
- Ideal for general purpose threading
- Fits into adjustable guide or plain die stock handles

Tap & Die Description Guide

10-24 NC **Fastener Diameter**

10 - Machine screw size

5/8" - Fractional

8 mm - Metric

10-24 NC **Thread Pitch**

Threads per inch *(machine & fractional)*

Distance between threads *(metric)*

10-24 NC **Thread Type**

NC = National Coarse *(USS)*	General purpose machines and appliances
NF = National Fine *(SAE)*	Automotive parts requiring extreme pressures
NS = National Special	Special threads – either diameter or threads per inch
NEF = National Extra Fine	For optical or thin wall parts
NPT = National Pipe Taper	For all pipe threads
BSP = British Standard Pipe	For all pipe threads

(no thread symbol required for metric fasteners)

Machine Screw Reference Guide

- Before cutting a thread you must know the rod diameter.
- Use the chart to determine the appropriate machine screw size:

Machine Screw	Rod Diameter
#0	.060"
#1	.073"
#2	.086"
#3	.099"
#4	.112"
#5	.125"
#6	.138"
#7	.151"
#8	.164"
#9	.179"
#10	.190"
#12	.216"
#14	.242"

Tap & Drill Selection Chart

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
1/64"	.0516				
1/32"	.0312				
1.0 mm	.0394				
60	.0400				
59	.0410				
58	.0420				
57	.0430				
56	.0465				
3/64"	.0469		0 - 80 NF		
55	.0520				
54	.0550				
1.5 mm	.0591				
53	.0595		1 - 64 NC 1 - 72NF		
1/16"	.0625				
52	.0635				
51	.0670				
50	.0700		2 - 56 NC 2 - 64 NF		
49	.0730				
48	.0760				
5/64"	.0781		3 - 48 NC		EX-1
47	.0785				
2.0 mm	.0787				
46	.0810				
45	.0820		3 - 56 NF		
44	.0860		4 - 36 NS		
43	.0890		4 - 40 NC		
42	.0935				
3/32"	.0938		4 - 48 NF		
41	.0960			3 mm - 0.60	
40	.0980				
2.5 mm	.0984			3 mm - 0.50	
39	.0995			3 mm - 0.50	
38	.1015	1/8" - 40 NS	5 - 40 NC		
37	.1040		5 - 44 NF		
36	.1065		6 - 32 NC		
7/64"	.1094				EX -2
35	.1100				
34	.1110		6 -36 NS		
33	.1130		6 - 40 NF		
32	.1160		6 - 48 NS		
3.0 mm	.1181				
31	.1200				
1/8"	.1250				
30	.1285			4 mm - 0.70 4 mm - 0.75	
29	.1360		8 - 32 NC 8 - 36 NF		
3.5 mm	.1378				
28	.1405				
9/64"	.1406	8 - 40 NS			ST-1
27	.1440				
26	.1470	3/16"-24 NS			
25	.1495		10 - 24 NC		

Tap & Drill Selection Chart

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
24	.1520				
23	.1540				
5/32"	.1562	3/16"-32 NS			EX-3
22	.1570				
4.0 mm	.1575				
21	.1590		10 - 32 NF		
20	.1600			5 mm - 0.90	
19	.1660			5 mm - 0.80	
18	.1695				
11/64"	.1719				
17	.1730				
16	.1770		12 - 24 NC		
4.5 mm	.1772				
15	.1800				
14	.1820		12 - 28 NEF		
13	.1850				
3/16"	.1875				ST-2
12	.1890				
11	.1910				
10	.1935		14 - 20 NS		
9	.1960				
5.0 mm	.1969			6 mm - 1.00	
8	.1990			6 mm - 1.00	
7	.2010	1/4" - 20 NC			
13/64"	.2031		14 - 24 NS		
6	.2040				
5	.2055				
4	.2090	1/4" - 24 NS			
3	.2130	1/4" - 28 NF			
5.5 mm	.2165				
7/32"	.2188	1/4"- 32 NEF			
2	.2210				
1	.2280	1/4" - 40 NS			
A	.2340				
15/64"	.2344			7 mm - 1.00	ST-3
6.0 mm	.2362			7 mm - 1.00	
B	.2380				
C	.2420				
D	.2460				
E	.2500				
1/4"	.2500				EX-4
6.5 mm	.2559				
F	.2570	5/16"- 18 NC			
G	.2610				
17/64"	.2656			8 mm - 1.25	
H	.2660				
I	.2720	5/16"-24 NF			
7.0 mm	.2756			8 mm - 1.00	
J	.2770			8 mm - 1.00	
K	.2810				
9/32"	.2812	5/16"-32 NEF			
L	.2900				
M	.2950				
7.5 mm	.2953				

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Tap & Drill Selection Chart

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
19/64"	.2969				EX-5
N	.3020			9 mm - 1.25	
5/16"	.3125	3/8"- 16 NC			ST-4
8.0 mm	.3150			9 mm - 1.00	
O	.3160			9 mm - 1.00	
P	.3230			9 mm - 0.75	
21/64"	.3281		1/8" - 28 BSP		
Q	.3320	3/8"- 24 NF	1/8" - 27 NPT		
8.5 mm	.3346			10 mm - 1.50	
R	.3390			10 mm - 1.50	
11/32"	.3438			10 mm - 1.25	
S	.3480				
9.0 mm	.3543			10 mm - 1.00	
T	.3580			10 mm - 1.00	
23/64"	.3594				
U	.3680	7/16"- 14 NC			
9.5 mm	.3740			11 mm - 1.50	
3/8"	.3750			11 mm - 1.50	ST-5
V	.3770				
W	.3806				
25/64"	.3906	7/16"- 20 NF			
10.0 mm	.3937				
X	.3970				
Y	.4040				
13/32"	.4062			12 mm - 1.75	EX-6
Z	.4130			12 mm - 1.50	
10.5 mm	.4134			12 mm - 1.50	
27/64"	.4219	1/2"- 13 NC		12 mm - 1.25	
11.0 mm	.4331				
7/16"	.4375		1/4" - 18 NPT		
11.5 mm	.4528				
29/64"	.4531	1/2"-20 NF 1/2"-24 NS	1/4" - 19 BSP		
15/32"	.4688			14 mm - 2.00	ST-6
12.0 mm	.4724			14 mm - 2.00	
31/64"	.4844	9/16" - 12 NC			
12.5 mm	.4921			14 mm - 1.50	
1/2"	.5000			14 mm - 1.25 14 mm - 1.50	
13.0 mm	.5118			14 mm - 1.25	
33/64"	.5156	9/16"- 18 NF			
17/32"	.5313	5/8" - 11 NC			EX-7
35/64"	.5469			16 mm - 2.00	
9/16"	.5625		3/8" - 18 NPT		ST-7
37/64"	.5781	5/8"- 18 NF		16 mm - 1.50	
19/32"	.5938	11/16"-11 NS			
39/64"	.6094			18 mm - 2.50	
5/8"	.6250	11/16"-16 NS			
41/64"	.6406				
21/32"	.6562	3/4" - 10 NC		18 mm - 1.50	
43/64"	.6719				
11/16"	.6875	3/4" - 16 NF		20 mm - 2.50	
45/64"	.7031		1/2" - 14 NPT		
23/32"	.7188				

Tap & Drill Selection Chart

Diam/ Type	Decimal Equiv.	Fractional Tap	Machine Screw Tap	Metric Tap	Screw Ext.
47/64"	.7344				
3/4"	.7500				
49/64"	.7656				
25/32"	.7812	7/8" - 9 NC			
51/64"	.7969				
13/16"	.8125	7/8" - 14 NF		22 mm - 1.50	EX-8
53/64"	.8281			24 mm - 3.00	
27/32"	.8438				
55/64"	.8594				
7/8"	.8750	1" - 8 NC		24 mm - 2.00	
57/64"	.8906				
29/32"	.9062				
59/64"	.9219	1" - 12 NF	3/4" - 14 NPT		
15/16"	.9375	1" - 14 NS			
61/64"	.9531				
31/32"	.9688				
63/64"	.9844	1-1/8"- 7 NC			
1"	1.0000				
1-1/64"	1.0156				
1-1/32"	1.0312				
1-1/16"	1.0625				EX-9
1-3/32"	1.0938				
1-1/8"	1.1250				
1-5/32"	1.1562		1" - 11-1/2"NPT		
1-3/16"	1.1875				
1-1/4"	1.2500				
1-5/16"	1.3125				
1-3/8"	1.3750				
1-7/16"	1.4375				
1-1/2"	1.5000		1-1/4" - 11-1/2"NPT		

NC = National Coarse (USS

NS = National Special

NF = National Fine *(SAE)*

NEF = National Extra Fine

NPT = National Pipe Taper

BSP = British Standard Pipe

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Spiral Flute 534/524 Series



- Designed to remove broken studs, bolts, socket screws and fittings
- Aggressive left hand spiral design for extra gripping power

Description	Recommended Tap Wrench	Use Drill size	Removes Bolts & Screws	Carded SKU	Bulk SKU
EX-1	TR-88	5/64"	3/32" - 5/32", 2.5 mm - 4 mm, No. 3 - No. 6	53401	52401
EX-2	TR-88	7/64"	5/32" - 7/32", 4 mm - 6 mm, No. 6 - No. 12	53402	52402
EX-3	TR-88	5/32"	7/32" - 9/32", 6 mm - 8 mm, No. 12	53403	52403
EX-4	TR-88	1/4"	9/32" - 3/8", 1/8" NPT, 1/8" BSP, 8 mm - 10 mm	53404	52404
EX-5	TR-98	19/64"	3/8" - 5/8", 1/4" NPT, 1/4" BSP, 10 mm - 16 mm	53405	52405
EX-6	TR-98	13/32"	5/8" - 7/8", 3/8" NPT, 3/8" BSP, 16 mm - 22 mm	53406	52406
EX-7	TR-98	17/32"	7/8" - 1-1/8", 1/2" NPT, 1/2" BSP, 22 mm - 27 mm	53407	52407
EX-8	—	13/16"	1-1/8" - 1-3/8", 3/4" NPT, 3/4" BSP, 27 mm - 36 mm	—	52408
EX-9	—	1-1/16"	1-3/8" - 2", 1" NPT, 1" BSP, 36 mm - 52 mm	—	52409
EX-10	—	1-15/16"	2-1/8" - 2-1/2", 1-1/4" NPT, 1-1/4" BSP, 52 mm - 68 mm	—	52410

Hex Head Multi-Spline 522/532 Series

- Designed to remove broken studs, bolts, socket screws and fittings for high torque applications
- Aggressive left-hand spiral design for extra gripping power



Description	Hex Head Size	Bolt Dia.	Recommended Drill Bit Diameter	Carded SKU	Bulk SKU
1/8"	1/2"	#12	1/8"	52201	53201
5/32"	1/2"	1/4"	5/32"	52202	53202
3/16"	1/2"	5/16"	3/16"	52203	53203
7/32"	1/2"	3/8"	7/32"	52204	53204
1/4"	1/2"	7/16"	1/4"	52205	53205
9/32"	1/2"	1/2"	9/32"	52206	53206
5/16"	1/2"	9/16"	5/16"	52207	53207
11/32"	1/2"	5/8"	11/32"	52208	53208
3/8"	1/2"	11/16"	3/8"	—	53209
13/32"	1/2"	3/4"	13/32"	—	53210
7/16"	5/8"	13/16"	7/16"	—	53211
15/32"	5/8"	7/8"	15/32"	—	53212
1/2"	5/8"	15/16"	1/2"	—	53213
17/32"	3/4"	1"	17/32"	—	53214
9/16"	3/4"	1-1/16"	9/16"	—	53215
19/32"	3/4"	1-1/8"	19/32"	—	53216
5/8"	3/4"	1-3/16"	5/8"	—	53217
21/32"	7/8"	1-1/4"	21/32"	—	53218
11/16"	7/8"	1-5/16"	11/16"	—	53219
23/32"	7/8"	1-3/8"	23/32"	—	53220
3/4"	7/8"	1-7/16"	3/4"	—	53221
25/32"	1"	1-1/2"	25/32"	—	53222
13/16"	1"	1-9/16"	13/16"	—	53223
27/32"	1"	1-5/8"	27/32"	—	53224
7/8"	1"	1-11/16"	7/8"	—	53225

Bolt Extractors

- Reverse spiral flutes bite into bolt
- For use with 3/8" socket drive, Vise-Grip® Locking Pliers, or wrench.



SKU	Removes Fractional Size Bolts	Removes Metric Size Bolts	Drive Size
53901	1/4"	—	3/8"
53902	5/16"	8 mm	3/8"
53903	3/8"	—	3/8"
53904	—	10 mm	3/8"
53905	7/16"	11 mm	3/8"
53906	—	12 mm	3/8"
53907	1/2"	—	3/8"
53908	—	13 mm	3/8"
53909	9/16"	14 mm	3/8"
53910	5/8"	16 mm	3/8"
53911	—	17 mm	3/8"
53912	11/16"	—	3/8"
53913	3/4"	19 mm	3/8"
53914	3/4"	19 mm	1/2"
53915	13/16"	21 mm	1/2"
53916	7/8"	22 mm	1/2"
53917	15/16"	24 mm	1/2"
53918	1"	—	1/2"

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