

# HILTI ABRASIVES PORTFOLIO

	Product Class	Diameter	Thickness or Grain	Compatible Tool	Base Materials									Tips & Tricks*
					Stainless Steel	Mild Steel	Aluminium	Metal Deck	Ductile Metal	Drywall Stud	Rail Tracks	Wood & Other	Coatings & Other	
<b>Bonded Abrasives</b>														
Bonded Cutting Discs	Ultimate (SPX) Premium (SP) Standard (P)	100   105   4"	1   0,040" 1.2   0,045" 1.3 1.5 1.6   1/16"	Angle grinder: 100, 105   4" - AG 4S 115   4.5" - AG 4S 125   5" - AG 6D AG 4S or AG 20SE, AG 13SE 150   6" - AG 6D or AG 20SE 180   7" - AG 30D 230   9" - AG 30D or AG 230 20D, AG 230 24D, AG 230 27DB										<b>Thickness:</b> <3mm - cutting only >3mm - cutting / notching  <b>Aluminium:</b> works, but can clog => specific spray improves performance. Premium more recommended than Ultimate as lower price and similar performance in base material.
		115   4.5" 125   5" 150   6" 180   7" 230   9"	3.2   1/8" 3.5 4.0   5/32" 4.2		Gas saw, battery-cut-off saw, chop saw or rail saw: 300   12" - DSH 600-X, DSH 600-22, DSH 700-22 355   14" - DSH 700-X 3S, DSH 900-X 3S, DSH 900-X 14" 400   16" - DSH 900-X 40, DSH 900-X 16"									
Bonded Grinding Wheels	Ultimate (SPX) Premium (SP) Standard (P)	100   105   4"	6.4	Angle grinder: 100, 105   4" - AG 4S 115   4.5" - AG 4S 125   5" - AG 6D, AG 4S or AG 20SE, AG 13SE 150   6" - AG 6D or AG 20SE 180   7" - AG 30D 230   9" - AG 30D or AG 230 20D, AG 230 24D, AG 230 27DB										Rough to medium grinding of surfaces (e.g. weld bead removal).
		115   4.5" 125   5" 150   6" 180   7" 230   9"												
<b>Coated Abrasives</b>														
Coated Fiber Discs	Ultimate (SPX) Premium (SP) Standard (P)	100   4"	P 36-40 P 60 P 80 P 120	Angle grinder: 100   4" - AG 4S 115   4.5" - AG 4S 125   5" - AG 6D, AG 4S or AG 20SE, AG 13SE 150   6" - AG 6D or AG 20SE 180   7" - AG 30D										Rough to medium grinding and surface preparation of big surfaces. Backing pad needed to operate insert.  AG 4S good for fine grains as speed can be adapted.
		115   4.5" 125   5" 150 180												
Coated Flap Discs	Ultimate (SPX) Premium (SP) Standard (P)	100   4"	P 36-40 P 60 P 80 P 120	Angle grinder: 100   4" - AG 4S 115   4.5" - AG 4S 125   5" - AG 6D, AG 4S or AG 20SE, AG 13SE 150   6" - AG 6D   AG 20SE 180   7" - AG 30D										Rough to medium grinding and surface preparation of medium surfaces (e.g. often used to grind in edges).
		115   4.5" 125   5" 150   6" 180   7"												
Coated Belts	Ultimate (SPX) Premium (SP) Standard (P)	40x760	P 40 P 60 P 80 P 120	Belt sanders: GTB and GFB										Rough to medium grinding, surface preparation and finishing of round metal objects.
		9x457 30x457 100x22.2												
Coated Sleeves & Flap Wheels	Ultimate (SPX) Premium (SP) Standard (P)	100x22.2	P 40 P 60 P 80 P 120	Burnisher: GFB										Rough to medium grinding, surface preparation and finishing of medium surfaces (e.g. often used to grind into tubes or on straight metal objects).
		100x100												
Sanding Sheets	Ultimate (SPX) Premium (SP) Standard (P)	150	P 60 P 80 P 100 P 120	Orbital sander: WFE										For rough sanding, smoothing and finishing.  <b>Brown:</b> Hardwood (beech, oak, etc.), softwood (fir, pine, etc.), wood materials (particle board, plywood, hardboard & composites, etc.)  <b>Grey:</b> Sealers, fillers, paint, lacquer, elastics, undercoats
		280												
<b>Non-woven Abrasives</b>														
Non-woven Belts	Ultimate (SPX) Premium (SP) Standard (P)	40x760 13x457	P 60 P 80	Belt sanders: GTB GFB										Rough to fine grinding and polishing of stainless steel, steel, aluminium and other metals.
Non-woven Discs without Backing Pad	Ultimate (SPX) Premium (SP) Standard (P)	115 125	coarse 50-80 medium 100-150 fine 180-220 very fine 240-360  Arbor: M14x2 M14x1.5	Angle grinder: AG 4S (as speed adaptable) or AG 20SE, AG 13SE										Grinding and finishing of various metals. All inserts need a backing pad to be operated.
Non-woven Discs with Backing Pad	Ultimate (SPX) Premium (SP) Standard (P)	125	two in one coarse 50-80 medium 100-150 fine 180-220 very fine 240-360	Angle grinder: AG 4S (as speed adaptable) or AG 20SE, AG 13SE										Rough and fine grinding on coated metals, stainless steel, steel, aluminium and other metals.  Backing pad is already included.  <b>rpm depending on application:</b> - Cleaning/upgrading of surface conditions 1867-5093 - Cut buffing on metal surfaces 5517-6791 - Deburring 4669-6791 - Decorative finishing 424-2547 - Imparting decorative finishes 764-2547 - Oxide removal 2971-5517
Non-woven Sleeves & Flap Wheels	Ultimate (SPX) Premium (SP) Standard (P)	100x100	coarse medium fine very fine polishing	Angle grinder: AG 4S (as speed adaptable)   AG 20SE, AG 13SE										Rough and fine grinding on coated metals, stainless steel, steel, aluminium and other metals.
	Ultimate (SPX) Premium (SP) Standard (P)	100x100	medium very fine	Angle grinder: AG 4S (as speed adaptable) or AG 20SE, AG 13SE										
<b>Other Abrasive Accessories</b>														
Polishing Accessories	Ultimate (SPX) Premium (SP) Standard (P)	125	Polishing	Angle grinder: AG 4S (as speed adaptable) or AG 20SE, AG 13SE										Aluminium, non-ferrous metal, stainless steel, mild steel  - For high gloss finish on metal. - Polishing paste applied to polishing disc - Adhesive steel tape is to protect the base material which should not be polished.
Wire Cups & Wheels	Ultimate (SPX) Premium (SP) Standard (P)	125   4"	3CS knotted 3SS knotted 3CS crimped 4CS crimped 4CS cable 4CS str. bead 4SS srr. Bead	Angle grinder: AG 4S, AG 20SE, AG 13SE, AG 30										<b>Shape:</b> Cup = surfaces Wheel = narrow spaces as edges/ notches etc.  <b>Class:</b> Class 3 = removal of easily visible burrs Class 4 = burrs with thicker roots than class 4  <b>Material:</b> CS = carbon/mild steel SS = stainless steel

Ultimate (SPX) Premium (SP) Standard (P)  
 Recommended  
 Use possible

\*check on individual product for max rpm