PRECISION SURFACES INTERNATIONAL

Polishing Cloth Selection

Material Soft synthetic velvet with low nap Recommended Medium Diamond, Sum and above Application Copper, Aluminium, Porous Materials Category Super-Fine Name NYLON, PSI-606AU Material Oil resistant, medium hard, no nap Recommended Medium Diamond, 6um and above Application Ferrous materials, sintered carbide, cast irons Category Retain Flatness and hard phases Name SITEX, PSI-611 Material Medium hard synthetic silk cloth Recommended Medium 1-9um diamond paste or suspension Application Ferrous and nonferrous metals Category Rough polish Name CHEMOCLOTH, PSI-619 Material Soft, spongy & porous, chemically resistant Recommended Medium O.05 Alumina suspension, colloidal silica Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium O.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material General usage in final polishing steps Final polish Ferrous materials, thermal spray coatings Category Replace final SiC grinding stpes	Name	CO-VEL, PSI-603AU
Application Category Name NYLON, PSI-606AU Material Oil resistant, medium hard, no nap Recommended Medium Application Category Retain Flatness and hard phases Name SITEX, PSI-611 Material Medium hard synthetic silk cloth Recommended Medium 1-9um diamond paste or suspension Application Ferrous and nonferrous metals Category Rough polish Name CHEMOCLOTH, PSI-619 Material Recommended Medium Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Application Ferrous materials, thermal spray coatings	Material	Soft synthetic velvet with low nap
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Name NYLON, PSI-606AU Material Oil resistant, medium hard, no nap Recommended Medium Application Ferrous materials, sintered carbide, cast irons Category Retain Flatness and hard phases Name SITEX, PSI-611 Material Medium hard synthetic silk cloth Recommended Medium 1-9um diamond paste or suspension Application Ferrous and nonferrous metals Category Rough polish Name CHEMOCLOTH, PSI-619 Material Soft, spongy & porous, chemically resistant Recommended Medium 0.05 Alumina suspension, colloidal silica Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Application Ferrous materials, thermal spray coatings	Application	Copper, Aluminium, Porous Materials
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Application Ferrous and nonferrous metals Category Rough polish Name CHEMOCLOTH, PSI-619 Material Soft, spongy & porous, chemically resistant Recommended Medium 0.05 Alumina suspension, colloidal silica Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Material	Medium hard synthetic silk cloth
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Material Soft, spongy & porous, chemically resistant Recommended Medium 0.05 Alumina suspension, colloidal silica Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Category	Rough polish
Material Soft, spongy & porous, chemically resistant Recommended Medium 0.05 Alumina suspension, colloidal silica Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings		
Recommended Medium Application Titanium, stainless, lead/tin, electronic packages Category Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium O.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Application Ferrous materials, thermal spray coatings	Name	CHEMOCLOTH, PSI-619
Application Titanium, stainless, lead/tin, electronic packages Remoave smear metal during CMP polishing Name FINAL FINISH, PSI-621AU Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Gum and up, diamond Application Ferrous materials, thermal spray coatings	Material	Soft, spongy & porous, chemically resistant
CategoryRemoave smear metal during CMP polishingNameFINAL FINISH, PSI-621AUMaterialSoft, long napped syntheric rayonRecommended Medium0.02-6um diamond and alumina suspensionsApplicationGeneral usage in final polishing stepsCategoryFinal polishNameDACTYL, PSI-625AUMaterialHard woven, no nap, high removel rateRecommended Medium6um and up, diamondApplicationFerrous materials, thermal spray coatings	Recommended Medium	0.05 Alumina suspension, colloidal silica
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Material Soft, long napped syntheric rayon Recommended Medium 0.02-6um diamond and alumina suspensions Application General usage in final polishing steps Category Final polish Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Category	Remoave smear metal during CMP polishing
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Application General usage in final polishing steps Final polish DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Application Gum and up, diamond Ferrous materials, thermal spray coatings	Material	Soft, long napped syntheric rayon
Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium Application Ferrous materials, thermal spray coatings	Recommended Medium	0.02-6um diamond and alumina suspensions
Name DACTYL, PSI-625AU Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Application	General usage in final polishing steps
Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Category	Final polish
Material Hard woven, no nap, high removel rate Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings		
Recommended Medium 6um and up, diamond Application Ferrous materials, thermal spray coatings	Name	DACTYL, PSI-625AU
Application Ferrous materials, thermal spray coatings	Material	Hard woven, no nap, high removel rate
1.1	Recommended Medium	6um and up, diamond
Category Replace final SiC grinding stpes	Application	Ferrous materials, thermal spray coatings
	Category	Replace final SiC grinding stpes

PRECISION SURFACES INTERNATIONAL

Polishing Cloth Selection

Name	IMPERIAL, PSI-631
Material	Low nap synthetic rayon
Recommended Medium	0.25-6um diamond, alumina suspensions, colloidal silica
Application	General usage final finish
Category	Final polishing step
Name	SKY BLUE, PSI-643AU
Material	Satin woven acetate
Recommended Medium	Diamond, 3-9um
Application	Ferrous Metals; Non-Ferrous Metals with and Petrography
Category	Intermediat polishing
Name	COCO BROWN, PSI-645AU
Material	Soft synthetic rayon with medium nap
Recommended Medium	0.25-1um diamond
Application	Ferrous and non-ferrous metals
Category	Final polishing step
Name	RIBBED WOOL, PSI-647AU
Material	Natural woven wool
Recommended Medium	Diamond, 3-6um
Application	Ferrous Metals; Non-Ferrous; Ceramics; Glass; petrographic
Category	Intermediate Polishing
Name	PELLON, PSI-661AU
Material	Non-woven pressed cloth
Recommended Medium	6-9um diamond
Application	Ceramics, carbides, hard metals, metal composites
Category	Material removal and flatness
Name	SATIN-TEX, PSI-681AU
Material	Synthetic woven cloth, no nap
Recommended Medium	1-9um diamond suspension
Application	Ferrous and nonferrous composit material, some plastics
Category	Maximize flatness and retain phases