



OnPoint Abrasives

Solutions for Materials Preparation

2024 Product Catalog



Welcome to OnPoint Abrasives

OnPoint Abrasives is a leading provider of high-quality metallurgical consumables, dedicated to delivering exceptional performance and superior results across various industries. With a commitment to innovation, reliability, and customer satisfaction, we have established ourselves as a trusted partner for businesses seeking cutting-edge metallographic supplies at reasonable prices.

Our Mission

At OnPoint Abrasives, our mission is to empower our customers with the finest abrasive products, enabling them to achieve excellence in their materials preparation process. We strive to be at the forefront of quality while offering cutting-edge abrasive solutions that optimize efficiency, reduce costs, and enhance productivity for our valued customers.

Industry-Leading Expertise

Backed by years of experience and industry expertise, our team of professionals possesses in-depth knowledge of the processes related to metallurgical sample preparation. We understand the unique challenges faced by various industries, and we work closely with our clients to provide tailored solutions that meet their specific requirements. Our expertise covers a wide range of sectors, including manufacturing, automotive, aerospace, academia, metalworking, and more.

Exceptional Product Quality

At OnPoint Abrasives, we place a strong emphasis on product quality and performance. We source our materials from trusted suppliers and employ stringent quality control measures to ensure that our products meet the highest standards.

Customer-Focused Approach

At OnPoint Abrasives, we value our customers above all else. We are committed to building long-term partnerships and delivering exceptional customer service. Our knowledgeable and friendly team is always ready to provide expert advice, guidance, and support to help our customers select the most suitable products for application. We take pride in our ability to offer customized solutions, rapid order fulfillment, and prompt after-sales service.

Sustainability and Responsibility

As a socially responsible company, we prioritize sustainability in all aspects of our operations. We strive to minimize our environmental impact by implementing eco-friendly manufacturing practices and utilizing sustainable materials wherever possible. Our commitment to responsible sourcing and waste reduction ensures that our products align with the highest environmental standards.

Global Reach

Headquartered in a strategic location, OnPoint Abrasives serves customers both domestically and internationally. We have an extensive network of distributors and partners worldwide, allowing us to efficiently meet the needs of our clients, regardless of their location. Our global presence enables us to offer seamless supply chain management and prompt delivery to customers across the globe.

Choose OnPoint Abrasives for superior quality, unrivaled performance, and outstanding customer service. Experience the difference our cutting-edge consumables can make in your operations. Contact us today to explore our comprehensive range of solutions tailored to your specific needs.

Contact Information:

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www.onpointabrasives.com



Sectioning Consumables



Abrasive Blades

MultiSec is a thin, general purpose abrasive blade made with aluminum oxide. This versatile blade can be used to section most materials.

TitanSec is a thin blade made of SiC particles. This is an excellent choice for sectioning titanium, copper, and other non-ferrous metals.

ToughSec is a thicker, resin bonded blade for sectioning heat treated steels >HRC55

10-inch [254mm] x 1.25 [32mm] Blades

Qty 10

Application	Blade	Thickness	Item No.	Price [\$]
Titanium, Aluminum, Copper	TitanSec**	0.040" (1mm)	TNS-1010	200
Steel, General Purpose	MultiSec**	0.040" (1mm)	MTS-1010	200
High Carbon Steel HRC50+	ToughSec*	0.085" (2.2mm)	TGS-1010	240

*Resin bond **Rubber bond

12-inch [305mm] x 1.25 [32mm] Blades

Qty 10

Application	Blade	Thickness	Item No.	Price [\$]
Titanium, Aluminum, Copper	TitanSec**	0.050" (1.27mm)	TNS-1012	250
Steel, General Purpose	MultiSec**	0.050" (1.27mm)	MTS-1012	250
High Carbon Steel HRC50+	ToughSec*	0.085" (2.2mm)	TGS-1012	310

*Resin bond **Rubber bond



TitanSec



MultiSec



ToughSec





Sectioning Consumables



Diamond Blades

DiaSec diamond blades are designed for precision sectioning applications.

ElectroSec blades are designed for aggressive sectioning applications.

OnPoint's diamond blades are engineered for precision and fit diamond saws that utilize a 0.5-inch (12.7) arbor.

4-inch [100mm] x 0.5-inch [12.7mm]

Qty 1

Application	Blade	Thickness	Item No.	Price [\$]
General Purpose	DiaSec	0.016" (0.4mm)	DS-1004	145
Aggressive	ElectroSec	0.035" (0.9mm)	ES-1004	95

5-inch [125mm] x 0.5-inch [12.7mm]

Qty 1

Application	Blade	Thickness	Item No.	Price [\$]
General Purpose	DiaSec	0.020" (0.5mm)	DS-1005	155
Aggressive	ElectroSec	0.050" (1.27mm)	ES-1005	115

6-inch [150mm] x 0.5-inch [12.7mm]

Qty 1

Application	Blade	Thickness	Item No.	Price [\$]
General Purpose	DiaSec	0.024" (0.6mm)	DS-1006	175
Aggressive	ElectroSec	0.050" (1.27mm)	ES-1006	135





Sectioning Consumables



Cutting Fluids

Introducing CoolSec Metallurgical Cutting Fluid: Optimal Performance and Protection!

CoolSec is your go-to solution for minimizing heat and effectively removing swarf during the cutting process. With its advanced formula, this cutting fluid ensures reduced damage to your samples while maximizing blade efficiency.

CoolSec 2 takes it a step further by incorporating CorrosionGuard, providing maximum protection against oxidation. It is specifically recommended for cutting ferrous materials, delivering exceptional results.

Our concentrated formula offers cost-effective use. Simply mix CoolSec with water at a ratio of 1:25 to 2:25 parts, and experience its outstanding performance.

CoolSec Cutting Fluid

Size	Item No.	Price [\$]
16oz (473ml)	CSCF-8016	10
64oz (1.89L)	CSCF-8064	35
1 Gallon (3.79L)	CSCF-8128	65
5 Gallon (18.93L)	CSCF-8640	225

CoolSec 2 Cutting Fluid with CorrosionGuard

Size	Item No.	Price [\$]
16oz (473ml)	CS2-8016	11
64oz (1.89L)	CS2-8064	39
1 Gallon (3.79L)	CS2-8128	70
5 Gallon (18.93L)	CS2-8640	245

Contains CorrosionGuard for added protection





Mounting Consumables


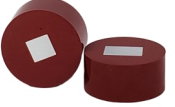





Compression Mounting Resins

PhenoMount is a phenolic thermoset resin that provides good edge retention for general metallurgical applications. Available in Black, Red, or Green color.

EpoMount is a mineral filled epoxy thermoset resin that provides excellent edge retention and hardness. Highly recommended for mounting hard materials.

CarbonMount is a graphite filled, conductive thermoset resin. Engineered for samples intended to be analyzed by SEM (scanning electron microscopy).

Compression Mounting Compound Technical Guide					
					
Material	Phenolic	Phenolic	Phenolic	Epoxy	Conductive Phenolic
Product	<i>PhenoMount Black</i>	<i>PhenoMount Red</i>	<i>PhenoMount Green</i>	<i>EpoMount</i>	<i>CarbonMount</i>
Color	Black	Red	Green	Black	Gray
Shrinkage	Moderate	Moderate	Moderate	Low	Moderate
Hardness	88 Shore D	88 Shore D	88 Shore D	95 Shore D	80 Shore D
Benefits	Low cost Fast cycle time	Low cost Colored Fast cycle time	Low cost Colored Fast cycle time	High hardness Chemical resistant Low shrinkage	High conductivity Fast cycle time



Mounting Consumables

PhenoMount Phenolic Resin

Product	Size	Item No.	Price [\$]
PhenoMount Black	5 lb	PMB-2005	29
PhenoMount Black	25lb	PMB-2025	125
PhenoMount Red	5 lb	PMR-2005	33
PhenoMount Red	25 lb	PMR-2025	145
PhenoMount Green	5 lb	PMG-2005	33
PhenoMount Green	25 lb	PMG-2025	145



EpoMount Epoxy Resin

Product	Size	Item No.	Price [\$]
EpoMount	5 lb	EM-2005	120
EpoMount	25 lb	EM-2025	495

CarbonMount Conductive Resin

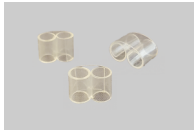
Product	Size	Item No.	Price [\$]
CarbonMount	1 lb	CBM-2001	29
CarbonMount	5 lb	CBM-2005	140
CarbonMount	25 lb	CBM-2025	635

Mounting Consumables

Mounting Accessories

Specimen Clips

Product	Qty	Item No.	Price [\$]
Plastic Spring Clip	50	PSC-50	12
Plastic Spring Clip	100	PSC-100	25
Metal Spring Clip	50	MSC-50	22
Metal Spring Clip	100	MSC-100	40
Plastic Peg Clip	50	PPC-50	15
Plastic Peg Clip	100	PPC-100	28



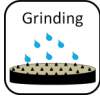
Silicone Rubber Molds

Product	Qty	Item No.	Price [\$]
1.25-inch Ø	1	RM-21251	5
1.25-inch Ø	5	RM-21255	30
1.5-inch Ø	1	RM-21501	6
1.5-inch Ø	5	RM-21505	35



Miscellaneous

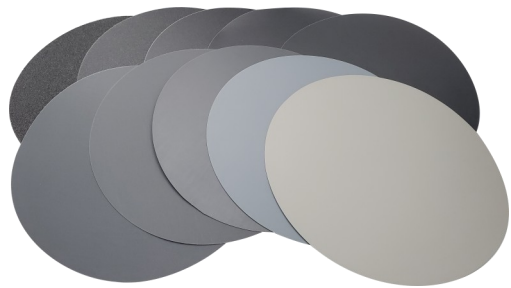
Product	Qty	Item No.	Price [\$]
Plastic Mixing Cup 9oz	50	PMC-2950	9
Wood Stir Stick	100	WS-2100	9
Mold Release	8oz	MLR-2008	9



Grinding Consumables

Silicon Carbide Grinding Paper

CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage.



Discs



Strips



Rolls



Belts

US/European Equivalency Guide										
ANSI (US) Grit	60	120	180	240	320	360	400	600	800	1200
FEPA (EU) Grit	P60	P120	P180	P280	P400	P600	P800	P1200	P2400	P4000
Micron (est.)	268	120	78	52	35	27	22	15	8	5





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage. Our discs are available in various grit sizes, backings, and diameters.

CarbiPro Silicon Carbide Grinding Paper Discs

8-inch [203mm] Ø PSA

8in(203mm)
PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 100

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-8060	129
120 [P120]	SCA-8120	99
180 [P180]	SCA-8180	99
240 [P280]	SCA-8240	99
320 [P400]	SCA-8320	99
360 [P600]	SCA-8360	99
400 [P800]	SCA-8400	99
600 [P1200]	SCA-8600	99
800 [P2400]	SCA-8800	129
1200 [P4000]	SCA-81200	129

Pressure Sensitive Adhesive (PSA) Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-8060-25	39
120 [P120]	SCA-8120-25	29
180 [P180]	SCA-8180-25	29
240 [P280]	SCA-8240-25	29
320 [P400]	SCA-8320-25	29
360 [P600]	SCA-8360-25	29
400 [P800]	SCA-8400-25	29
600 [P1200]	SCA-8600-25	29
800 [P2400]	SCA-8800-25	39
1200 [P4000]	SCA-81200-25	39





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide Grinding Paper Discs
8-inch [203mm] Ø Plain Back

8in(203mm)
Plain Back

Plain Backing

Qty 100

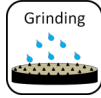
Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-8060	99
120 [P120]	SCP-8120	61
180 [P180]	SCP-8180	61
240 [P280]	SCP-8240	61
320 [P400]	SCP-8320	61
360 [P600]	SCP-8360	61
400 [P800]	SCP-8400	61
600 [P1200]	SCP-8600	61
800 [P2400]	SCP-8800	99
1200 [P4000]	SCP-81200	99

Plain Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-8060-25	29
120 [P120]	SCP-8120-25	23
180 [P180]	SCP-8180-25	23
240 [P280]	SCP-8240-25	23
320 [P400]	SCP-8320-25	23
360 [P600]	SCP-8360-25	23
400 [P800]	SCP-8400-25	23
600 [P1200]	SCP-8600-25	23
800 [P2400]	SCP-8800-25	29
1200 [P4000]	SCP-81200-25	29





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage. Our discs are available in various grit sizes, backings, and diameters.

CarbiPro Silicon Carbide Grinding Paper Discs

10-inch [254mm] Ø PSA

10in(254mm)
PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 100

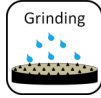
Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-10060	180
120 [P120]	SCA-10120	140
180 [P180]	SCA-10180	135
240 [P280]	SCA-10240	135
320 [P400]	SCA-10320	135
360 [P600]	SCA-10360	135
400 [P800]	SCA-10400	135
600 [P1200]	SCA-10600	135
800 [P2400]	SCA-10800	180
1200 [P4000]	SCA-101200	180

Pressure Sensitive Adhesive (PSA) Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-10060-25	55
120 [P120]	SCA-10120-25	50
180 [P180]	SCA-10180-25	40
240 [P280]	SCA-10240-25	40
320 [P400]	SCA-10320-25	40
360 [P600]	SCA-10360-25	40
400 [P800]	SCA-10400-25	40
600 [P1200]	SCA-10600-25	40
800 [P2400]	SCA-10800-25	55
1200 [P4000]	SCA-101200-25	55





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide Grinding Paper Discs

10-inch [254mm] Ø Plain Back

10in(254mm)
Plain Back

Plain Backing

Qty 100

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-10060	130
120 [P120]	SCP-10120	130
180 [P180]	SCP-10180	110
240 [P280]	SCP-10240	100
320 [P400]	SCP-10320	100
360 [P600]	SCP-10360	100
400 [P800]	SCP-10400	100
600 [P1200]	SCP-10600	100
800 [P2400]	SCP-10800	130
1200 [P4000]	SCP-101200	130

Plain Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-10060-25	39
120 [P120]	SCP-10120-25	33
180 [P180]	SCP-10180-25	30
240 [P280]	SCP-10240-25	30
320 [P400]	SCP-10320-25	30
360 [P600]	SCP-10360-25	30
400 [P800]	SCP-10400-25	30
600 [P1200]	SCP-10600-25	30
800 [P2400]	SCP-10800-25	39
1200 [P4000]	SCP-101200-25	39





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage. Our discs are available in various grit sizes, backings, and diameters.

CarbiPro Silicon Carbide Grinding Paper Discs

12-inch [305mm] Ø PSA

12in(305mm)
PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 100

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-12060	230
120 [P120]	SCA-12120	205
180 [P180]	SCA-12180	185
240 [P280]	SCA-12240	185
320 [P400]	SCA-12320	185
360 [P600]	SCA-12360	185
400 [P800]	SCA-12400	185
600 [P1200]	SCA-12600	185
800 [P2400]	SCA-12800	230
1200 [P4000]	SCA-121200	230

Pressure Sensitive Adhesive (PSA) Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCA-12060-25	70
120 [P120]	SCA-12120-25	60
180 [P180]	SCA-12180-25	60
240 [P280]	SCA-12240-25	55
320 [P400]	SCA-12320-25	55
360 [P600]	SCA-12360-25	55
400 [P800]	SCA-12400-25	55
600 [P1200]	SCA-12600-25	55
800 [P2400]	SCA-12800-25	70
1200 [P4000]	SCA-121200-25	70





Grinding Consumables

Silicon Carbide Grinding Paper Discs

CarbiPro Silicon Carbide Grinding Paper Discs
12-inch [305mm] Ø Plain Back

12in(305mm)
Plain Back

Plain Backing

Qty 100

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-12060	160
120 [P120]	SCP-12120	130
180 [P180]	SCP-12180	120
240 [P280]	SCP-12240	120
320 [P400]	SCP-12320	120
360 [P600]	SCP-12360	120
400 [P800]	SCP-12400	120
600 [P1200]	SCP-12600	120
800 [P2400]	SCP-12800	160
1200 [P4000]	SCP-121200	160

Plain Backing

Qty 25

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCP-12060-25	50
120 [P120]	SCP-12120-25	40
180 [P180]	SCP-12180-25	38
240 [P280]	SCP-12240-25	38
320 [P400]	SCP-12320-25	38
360 [P600]	SCP-12360-25	38
400 [P800]	SCP-12400-25	38
600 [P1200]	SCP-12600-25	38
800 [P2400]	SCP-12800-25	50
1200 [P4000]	SCP-121200-25	50





Grinding Consumables

Silicon Carbide Grinding Paper


CarbiPro Silicon Carbide grinding papers are the traditional choice for most metallurgical applications. Designed for high removal rates and minimal surface damage. Our discs are available in various grit sizes, backings, and diameters.

CarbiPro Silicon Carbide Grinding Paper Strips

11 in x 3 in PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 100




Grit ANSI [FEPA]	Part Number	Price [\$]
120 [P120]	SCS-113120	55
240 [P280]	SCS-113240	55
320 [P400]	SCS-113320	55
400 [P800]	SCS-113400	55
600 [P1200]	SCS-113600	55
800 [P2400]	SCS-113800	65
1000 [P3000]	SCS-1131000	65
1200 [P4000]	SCS-1131200	65

CarbiPro Silicon Carbide Grinding Paper Rolls

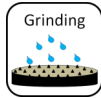
3-7/16 in x 60-ft x 1 in core

Qty 1



Grit ANSI [FEPA]	Part Number	Price [\$]
120 [P120]	SCR-120	45
240 [P280]	SCR-240	45
320 [P400]	SCR-320	45
360 [P600]	SCR-360	45
400 [P800]	SCR-400	45
600 [P1200]	SCR-600	45
800 [P2400]	SCR-800	55
1200 [P4000]	SCR-1200	55





Grinding Consumables

Grinding Belts

Silicon Carbide Grinding Belts

4in x 36in Wet/Dry



Qty 10

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	SCB-436060	80
120 [P120]	SCB-436120	80
180 [P180]	SCB-436180	80
240 [P280]	SCB-436240	80
320 [P400]	SCB-436320	80
400 [P800]	SCB-436400	80

Please contact us for availability

ZircPro Zirconia Grinding Belts

4in x 36in Wet/Dry



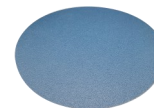
Qty 5

Grit ANSI [FEPA]	Item Number	Price [\$]
60 [P60]	ZCPB-060	75

Please contact us for availability

ZircPro Zirconia Grinding Discs

Pressure Sensitive Adhesive (PSA) Backing



Qty 25

Grit ANSI [FEPA]	Diameter	Item Number	Price [\$]
60 [P60]	8in [203mm]	ZCP-8060	95
120 [P120]	8in [203mm]	ZCP-8120	95
60 [P60]	12in [305mm]	ZCP-12060	165
120 [P120]	12in [305mm]	ZCP-12120	165



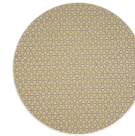


Grinding Consumables

Diamond Grinding Discs

PlanarPro Diamond grinding discs are a great choice for high removal rates on harder materials such as heat treated steel. These discs have a stainless steel backing and are intended for use with a magnetic working wheel.

PlanarPro Diamond Grinding Discs



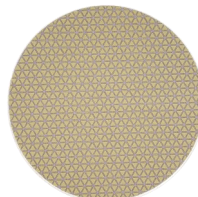
Steel Magnetic Backing

Qty 1

Micron	Diameter	Item Number	Price [\$]
45	8in [203mm]	PDD-8045	165
75	8in [203mm]	PDD-8075	165
120	8in [203mm]	PDD-8120	165
45	10in [254mm]	PDD-10045	205
75	10in [254mm]	PDD-10075	205
120	10in [254mm]	PDD-10120	205
45	12in [305mm]	PDD-12045	250
75	12in [305mm]	PDD-12075	250
120	12in [305mm]	PDD-12120	250



45µm



75µm



125µm

US/European Equivalency Guide										
ANSI (US) Grit	60	120	180	240	320	360	400	600	800	1200
FEPA (EU) Grit	P60	P120	P180	P280	P400	P600	P800	P1200	P2400	P4000
Micron (est.)	268	120	78	52	35	27	22	15	8	5





Grinding Consumables

Diamond Lapping Films

Discover OnPoint's precision diamond lapping films. Featuring ultra-fine diamond abrasive coating on polyester film, they minimize contour and ensure superior edge retention. Ideal for PCBs, fiber optics, metals, and ceramics, our films deliver flawless finishes in diverse applications.

8-inch [203mm] Ø PSA

Qty 5

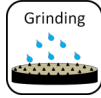
Micron	Item Number	Price [\$]
0.1	DLA-8001	110
0.25	DLA-80025	110
0.5	DLA-8005	110
1	DLA-801	110
3	DLA-9803	110
6	DLA-806	110
9	DLA-809	110
12	DLA-812	110
15	DLA-815	110
30	DLA-830	140

8-inch [203mm] Ø Plain Back

Qty 5

Micron	Item Number	Price [\$]
0.1	DLP-8001	93
0.25	DLP-80025	93
0.5	DLP-8005	93
1	DLP-801	93
3	DLP-803	93
6	DLP-806	93
9	DLP-809	93
12	DLP-812	93
15	DLP-815	93
30	DLP-830	120





Grinding Consumables

Diamond Lapping Films

10-inch [254mm] Ø PSA

Qty 5

Micron	Item Number	Price [\$]
0.1	DLA-10001	185
0.25	DLA-100025	185
0.5	DLA-10005	185
1	DLA-1001	185
3	DLA-1003	185
6	DLA-1006	185
9	DLA-1009	185
12	DLA-1012	185
15	DLA-1015	185
30	DLA-1030	200

10-inch [254mm] Ø Plain Back

Qty 5

Micron	Item Number	Price [\$]
0.1	DLP-10001	155
0.25	DLP-100025	155
0.5	DLP-10005	155
1	DLP-1001	155
3	DLP-1003	155
6	DLP-1006	155
9	DLP-1009	155
12	DLP-1012	155
15	DLP-1015	155
30	DLP-1030	170

US/European Equivalency Guide

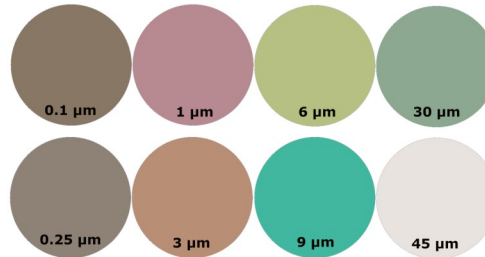
ANSI (US) Grit	60	120	180	240	320	360	400	600	800	1200
FEPA (EU) Grit	P60	P120	P180	P280	P400	P600	P800	P1200	P2400	P4000
Micron (est.)	268	120	78	52	35	27	22	15	8	5





Grinding Consumables

Diamond Lapping Films



12-inch [305mm] Ø PSA

Qty 3

Micron	Item Number	Price [\$]
0.1	DLA-12001	190
0.25	DLA-120025	190
0.5	DLA-12005	190
1	DLA-1201	190
3	DLA-1203	190
6	DLA-1206	190
9	DLA-1209	190
12	DLA-1212	190
15	DLA-1215	190
30	DLA-1230	210

12-inch [305mm] Ø Plain Back

Qty 3

Micron	Item Number	Price [\$]
0.1	DLP-12001	150
0.25	DLP-120025	150
0.5	DLP-12005	150
1	DLP-1201	150
3	DLP-1203	150
6	DLP-1206	150
9	DLP-1209	150
12	DLP-1212	150
15	DLP-1215	150
30	DLP-1230	170





Polishing Consumables



Polishing Cloths



Poly Diamond Suspension



Mono Diamond Suspension



Alumina Suspension



Colloidal Silica





Polishing Consumables

Polishing Cloths

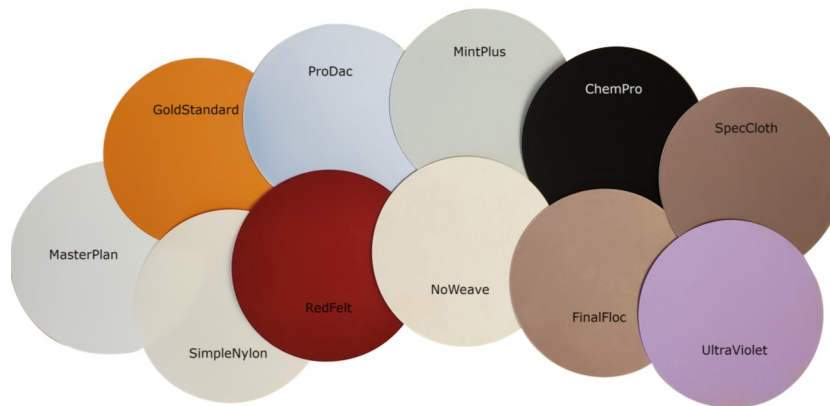
Selecting the appropriate polishing cloths is crucial for preparing metallographic samples. OnPoint offers rigorously tested cloths designed with Diabrasive Diamond and Alumabrasive Alumina, ensuring dependable results. Choose from a variety of fabrics, weaves, and naps to meet your specific needs.

Available with PSA or Magnetic backings, our cloths provide consistent polishing and minimize changeover time. Elevate your analysis with OnPoint Polishing Cloths!

Polishing Cloth Selection Guide

	Cloth	Abrasive (µm)	Description	Application
Coarse	MasterPlan	30 - 3	Hard, Woven, Nappless	Coarse/Intermediate
	GoldStandard	15 - 1	Hard, Woven, Dense	Coarse/Intermediate
	SimpleNylon	15 - 3	Medium Hardness, Woven, Nappless	Coarse/Intermediate
Intermediate	ProDac	9 - 1	Soft, Woven, Synthetic Satin	Intermediate
	MintPlus	6 - 1	Napped, Synthetic Fabric	Intermediate
	RedFelt	9 - 0.02	Soft, Durable, Wool	Intermediate/Final
	NoWeave	6 - 0.02	Flat, Non-woven, Pressed Polyurethane	Intermediate/Final
	ChemPro	3 - 0.02	Dense, Non-woven, Porous	Final
Fine	FinalFloc	3 - 0.02	Soft, Long-nap Rayon	Final
	UltraViolet	3 - 0.02	Soft, Long-nap	Final
	SpecCloth	1 - 0.02	Firm, Medium-nap Rayon	Final

Solutions for Materials Preparation





Polishing Cloth Selection Guide

Coarse	 <p>MasterPlan is a hard, woven, nappless cloth that promotes a high level of flatness during polishing. Recommended abrasives 30 to 3 micron.</p>	
	 <p>SimpleNylon is a woven, nappless cloth with a medium hardness. Versatile for coarse and intermediate stages. Recommended abrasives 15 to 3 micron.</p>	
	 <p>MintPlus is a napped cloth made of synthetic fabrics. This durable cloth can be used for one step polishing of steels. Recommended abrasives 9 to 1 micron.</p>	
Intermediate	 <p>NoWeave is a flat, non-woven cloth made of polyurethane fibers. Highly versatile for intermediate and final stages. Recommended abrasives 6 to 0.02 micron.</p>	
	 <p>FinalFloc is a soft, long-nap rayon cloth. Most common cloth for final polishing using a wide range of abrasive types. Recommended abrasives 3 to 0.02 micron.</p>	
Fine	 <p>SpecCloth is a firm, medium-nap rayon cloth. Provides good edge retention during longer polishing steps. Recommended abrasives 1 to 0.02 micron.</p>	

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www.onpointabrasives.com



Polishing Consumables

Polishing Cloths with PSA (Adhesive)

8-inch [203mm] Ø PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPP-08	50
GoldStandard	15 - 1	GSP-08	50
SimpleNylon	15 - 3	SNP-08	50
ProDac	9 - 1	PDP-08	50
MintPlus	9 - 1	MTP-08	50
RedFelt	9 - 0.02	RFP-08	55
NoWeave	6 - 0.02	NWP-08	60
ChemPro	3 - 0.02	CPP-08	140
FinalFloc	3 - 0.02	FFP-08	50
UltraViolet	3 - 0.02	UVP-08	50
SpecCloth	1 - 0.02	SPP-08	50





Polishing Consumables

Polishing Cloths with PSA (Adhesive)

10-inch [254mm] Ø PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPP-10	70
GoldStandard	15 - 1	GSP-10	70
SimpleNylon	15 - 3	SNP-10	80
ProDac	9 - 1	PDP-10	70
MintPlus	9 - 1	MTP-10	70
RedFelt	9 - 0.02	RFP-10	80
NoWeave	6 - 0.02	NWP-10	80
ChemPro	3 - 0.02	CPP-10	185
FinalFloc	3 - 0.02	FFP-10	70
Ultra Violet	3 - 0.02	UVP-10	70
SpecCloth	1 - 0.02	SPP-10	70

12-inch [305mm] Ø PSA

Pressure Sensitive Adhesive (PSA) Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPP-12	90
GoldStandard	15 - 1	GSP-12	90
SimpleNylon	15 - 3	SNP-12	90
ProDac	9 - 1	PDP-12	90
MintPlus	9 - 1	MTP-12	100
RedFelt	9 - 0.02	RFP-12	110
NoWeave	6 - 0.02	NWP-12	90
ChemPro	3 - 0.02	CPP-12	215
FinalFloc	3 - 0.02	FFP-12	85
UltraViolet	3 - 0.02	UVP-12	100
SpecCloth	1 - 0.02	SPP-12	100





Polishing Consumables

Polishing Cloths with Magnetic Backing

OnPoint's magnetic backed polishing cloths come with a flexible magnetic backing for use on any magnetic working wheel.

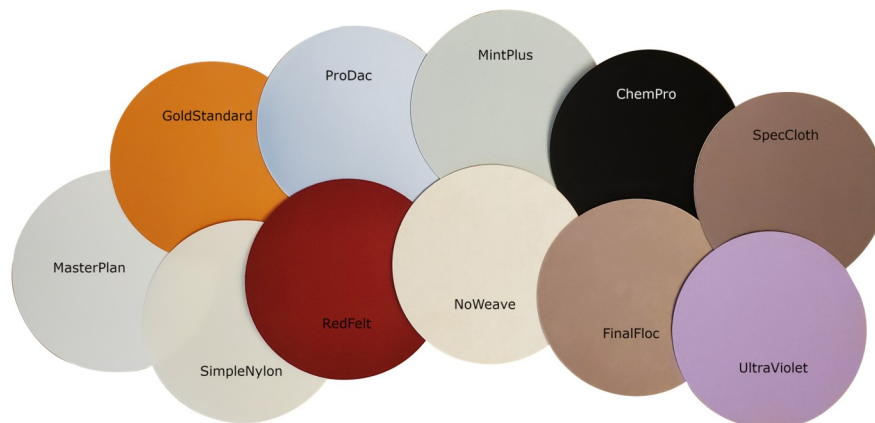
Wheel not magnetic? See page 31 for details on implementing our MagLink Magnetic System for ultimate convenience and efficiency.

8-inch [203mm] Ø Magnetic

Magnetic Rubber Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPM-08	50
GoldStandard	15 - 1	GSM-08	50
SimpleNylon	15 - 3	SNM-08	50
ProDac	9 - 1	PDM-08	50
MintPlus	9 - 1	MTM-08	50
RedFelt	9 - 0.02	RFM-08	55
NoWeave	6 - 0.02	NWM-08	60
ChemPro	3 - 0.02	CPM-08	140
FinalFloc	3 - 0.02	FFM-08	50
UltraViolet	3 - 0.02	UVM-08	50
SpecCloth	1 - 0.02	SPM-08	50





Polishing Consumables

Polishing Cloths with Magnetic Backing

10-inch [254mm] Ø Magnetic

Magnetic Rubber Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPM-10	70
GoldStandard	15 - 1	GSM-10	70
SimpleNylon	15 - 3	SNM-10	80
ProDac	9 - 1	PDM-10	70
MintPlus	9 - 1	MTM-10	70
RedFelt	9 - 0.02	RFM-10	80
NoWeave	6 - 0.02	NWM-10	80
ChemPro	3 - 0.02	CPM-10	185
FinalFloc	3 - 0.02	FFM-10	70
Ultra Violet	3 - 0.02	UVM-10	70
SpecCloth	1 - 0.02	SPM-10	70

12-inch [305mm] Ø Magnetic

Magnetic Rubber Backing

Qty 10

Cloth	Abrasive Range	Item Number	Price [\$]
MasterPlan	30 - 3	MPM-12	90
GoldStandard	15 - 1	GSM-12	90
SimpleNylon	15 - 3	SNM-12	90
ProDac	9 - 1	PDM-12	90
MintPlus	9 - 1	MTM-12	100
RedFelt	9 - 0.02	RFM-12	110
NoWeave	6 - 0.02	NWM-12	90
ChemPro	3 - 0.02	CPM-12	215
FinalFloc	3 - 0.02	FFM-12	85
Ultra Violet	3 - 0.02	UVM-12	100
SpecCloth	1 - 0.02	SPM-12	100





Polishing Consumables

MagLink Magnetic System

The MagLink Magnetic System revolutionizes the exchange of abrasive surfaces, providing operators with a versatile and convenient solution. By harnessing magnetic technology, this system enables secure attachment and detachment of abrasive surfaces, streamlining procedure steps and maximizing efficiency.

The system comprises two key components: a base plate and interchangeable polishing cloth/abrasive surface. The **MagLink Base** is an adhesive-backed magnetic plate that permanently bonds to your non-magnetic working wheel, instantly preparing it for a range of magnetic-backed abrasive surfaces.

When it comes to selecting abrasive surfaces, you have a several options. The most popular choice is to purchase magnetic cloths direct from our factory, offering ultimate convenience and effortless attachment and detachment.

Alternatively, you can utilize our **MagLink Plate** in conjunction with adhesive-backed polishing cloths and grinding papers. The MagLink Plate, a 0.023" thick stainless steel carrier plate, allows operators to bond the adhesive-backed consumables (cloth/grinding paper) onto it. This setup enables easy attachment and detachment of the plate, providing great flexibility. When the abrasive is used up, the operator peels off the used adhesive backed surface from the plate and replaces it with a fresh abrasive surface or polishing cloth. It is best to acquire (1) MagLink Plate for each step in your procedure. This allows you to use each abrasive surface to its full lifespan before replacing.

You are now setup to enjoy the convenience and efficiency of the MagLink System. To change abrasive surfaces, operators can simply lift off the current pad and replace it with a different one. The magnetic force ensures a reliable connection, preventing detachment during use. This feature proves particularly advantageous in scenarios requiring frequent surface changes of polishing cloths.

The MagLink Magnetic System offers numerous advantages over traditional methods of abrasive surface attachment. It eliminates the need for adhesives and inefficient clamping mechanisms, streamlining the process and reducing downtime. Moreover, it delivers a consistent and secure bond, guaranteeing stability and minimizing the risk of accidents or surface misalignment.



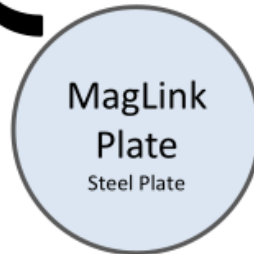


Polishing Consumables

MagLink Magnetic System

Working Wheel / Platen (non-magnetic)

The working wheel or platen is an accessory to your polisher, and is specific to the make and model of your unit. Some working wheels come magnetic from the factory while others must be converted using our MagLink Base.



MagLink Base

Make your standard working wheel magnetic by introducing our MagLink Base. Simply peel off the liner to expose the adhesive. Then bond the adhesive side down to your clean working wheel. Now you are ready to enjoy the convenience of the MagLink System.

MagLink Plate (carrier plate)

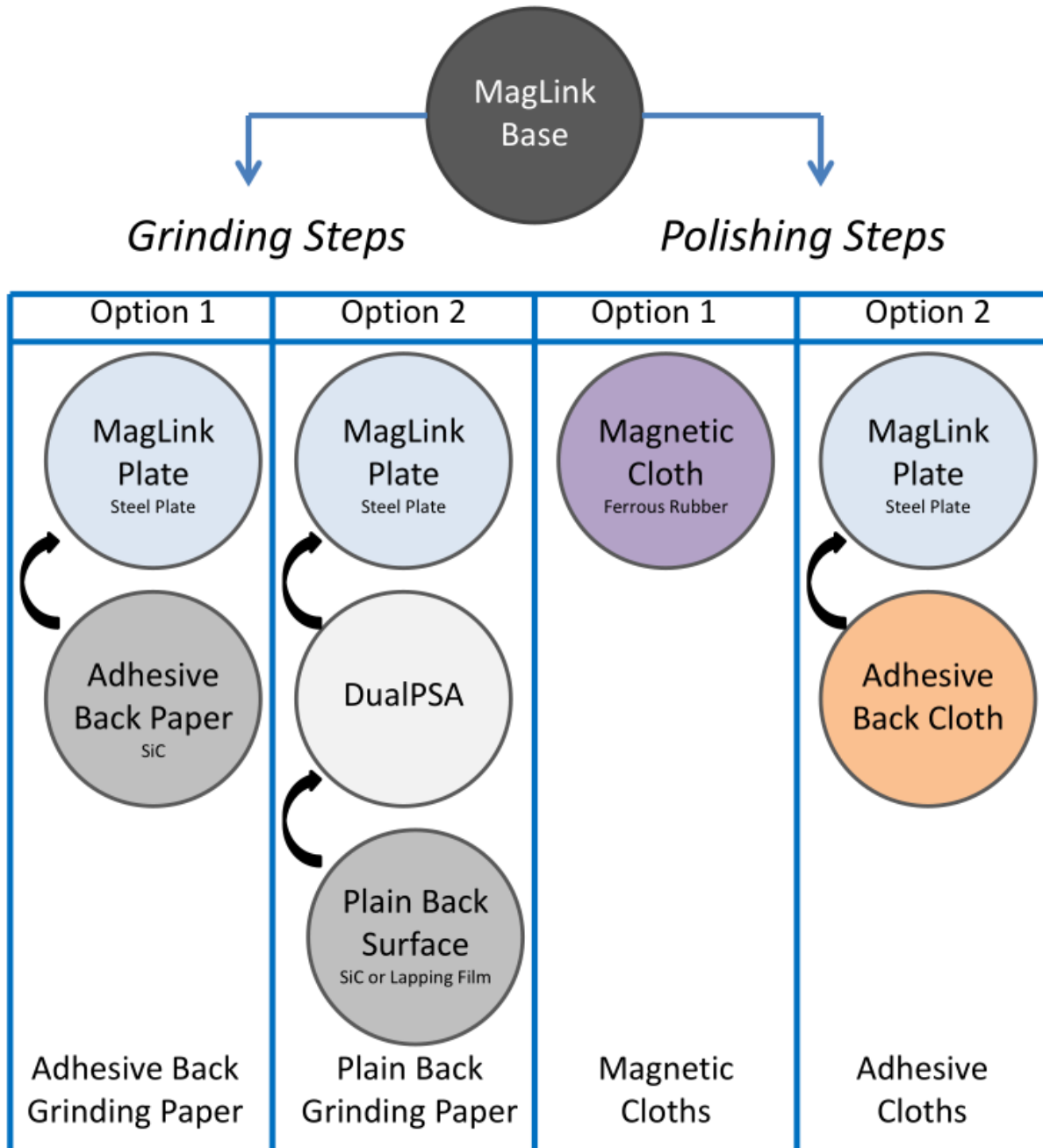
Now that your wheel is magnetic, you are ready to decide which consumables best fit your process. The MagLink Plate is a stainless steel carrier plate used to bond adhesive backed consumables to, for use with the MagLink System.





Polishing Consumables

MagLink Setup Options





Polishing Consumables

MagLink Magnetic System

8-inch [203mm] Ø Magnetic

Magnetic System Components

Qty 1

Cloth	Item Number	Price [\$]
MagLink Base	MLB-08	34
MagLink Plate	MLP-08	36

10-inch [254mm] Ø Magnetic

Magnetic System Components

Qty 1

Cloth	Item Number	Price [\$]
MagLink Base	MLB-10	36
MagLink Plate	MLP-10	47

12-inch [305mm] Ø Magnetic

Magnetic System Components

Qty 1

Cloth	Item Number	Price [\$]
MagLink Base	MLB-12	40
MagLink Plate	MLP-12	53

DualPSA

Double Sided Adhesive for Plain Back Consumables

Product	Qty	Item Number	Price [\$]
8in (203mm) DualPSA	1	GRP-081	5
8in (203mm) DualPSA	10	GRP-08	40
10in (254mm) DualPSA	1	GRP-101	6
10in (254mm) DualPSA	10	GRP-10	50
12in (305mm) DualPSA	1	GRP-121	7
12in (305mm) DualPSA	10	GRP-12	60





Polishing Consumables

Polycrystalline Diamond Suspension

Diabrasive Premium Polycrystalline Diamond Suspensions are the ultimate solution for polishing of your metallographic specimens. This cutting-edge product boasts a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Glycol Base is water soluble for easy clean up.

High Viscosity intended for dosing by hand
Low Viscosity intended for automated dosing



Diabrasive Premium Diamond Suspension - High Viscosity

Micron	Pack Size	Item Number	Price [\$]
0.25	8oz [237ml]	DSP-80025	40
0.25	16oz [473ml]	DSP-160025	75
0.25	32oz [946ml]	DSP-320025	120
0.25	1 Gallon [3.8L]	DSP-1280025	395
0.50	8oz [237ml]	DSP-8005	40
0.50	16oz [473ml]	DSP-16005	75
0.50	32oz [946ml]	DSP-32005	120
0.50	1 Gallon [3.8L]	DSP-128005	395
1	8oz [237ml]	DSP-801	40
1	16oz [473ml]	DSP-1601	75
1	32oz [946ml]	DSP-3201	120
1	1 Gallon [3.8L]	DSP-12801	395
3	8oz [237ml]	DSP-803	40
3	16oz [473ml]	DSP-1603	75
3	32oz [946ml]	DSP-3203	120
3	1 Gallon [3.8L]	DSP-12803	395

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.





Polishing Consumables

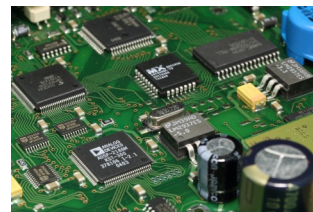
Polycrystalline Diamond Suspension



Diabrasive Premium Diamond Suspension - High Viscosity

Micron	Pack Size	Item Number	Price [\$]
6	8oz [237ml]	DSP-806	40
6	16oz [473ml]	DSP-1606	75
6	32oz [946ml]	DSP-3206	120
6	1 Gallon [3.8L]	DSP-12806	395
9	8oz [237ml]	DSP-809	40
9	16oz [473ml]	DSP-1609	75
9	32oz [946ml]	DSP-3209	120
9	1 Gallon [3.8L]	DSP-12809	395
30	8oz [237ml]	DSP-830	40
30	16oz [473ml]	DSP-1630	75
30	32oz [946ml]	DSP-3230	120
30	1 Gallon [3.8L]	DSP-12830	395

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.



PCB Quality Assurance and Failure Analysis





Polishing Consumables

Polycrystalline Diamond Suspension



Diabrasive Premium Diamond Suspension - Low Viscosity

Micron	Pack Size	Item Number	Price [\$]
0.25	8oz [237ml]	DSPL-80025	40
0.25	16oz [473ml]	DSPL-160025	75
0.25	32oz [946ml]	DSPL-320025	120
0.25	1 Gallon [3.8L]	DSPL-1280025	395
0.50	8oz [237ml]	DSPL-80050	40
0.50	16oz [473ml]	DSPL-160050	75
0.50	32oz [946ml]	DSPL-320050	120
0.50	1 Gallon [3.8L]	DSPL-1280050	395
1	8oz [237ml]	DSPL-801	40
1	16oz [473ml]	DSPL-1601	75
1	32oz [946ml]	DSPL-3201	120
1	1 Gallon [3.8L]	DSPL-12801	395
3	8oz [237ml]	DSPL-803	40
3	16oz [473ml]	DSPL-1603	75
3	32oz [946ml]	DSPL-3203	120
3	1 Gallon [3.8L]	DSPL-12803	395

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.





Polishing Consumables

Polycrystalline Diamond Suspension



Diabrasive Premium Diamond Suspension - Low Viscosity

Micron	Pack Size	Item Number	Price [\$]
6	8oz [237ml]	DSPL-806	40
6	16oz [473ml]	DSPL-1606	75
6	32oz [946ml]	DSPL-3206	120
6	1 Gallon [3.8L]	DSPL-12806	395
9	8oz [237ml]	DSPL-809	40
9	16oz [473ml]	DSPL-1609	75
9	32oz [946ml]	DSPL-3209	120
9	1 Gallon [3.8L]	DSPL-12809	395
30	8oz [237ml]	DSPL-830	40
30	16oz [473ml]	DSPL-1630	75
30	32oz [946ml]	DSPL-3230	120
30	1 Gallon [3.8L]	DSPL-12830	395

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.





Polishing Consumables

Monocrystalline Diamond Suspension

Diabrasive Choice Monocrystalline Diamond Suspensions are a great solution for polishing of less critical metallographic specimens. This cutting-edge product boasts a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Glycol base is water soluble for easy clean up.

High Viscosity intended for dosing by hand
Low Viscosity intended for automated dosing



Monocrystalline Polycrystalline

Monocrystalline vs. Polycrystalline

Monocrystalline Diamond is a cost-effective option for good stock removal and finish. It has a slightly irregular shape with multiple cutting edges, making it suitable for general metallographic applications where the features of Polycrystalline Diamond are not required.

Polycrystalline Diamond offers higher removal rates due to its many cutting surfaces per particle. It maintains its original shape while cutting, resulting in finer finishes in less time compared to Monocrystalline Diamond. Additionally, Polycrystalline Diamond has no cleavage planes, which prevents splintering and reduces sub-surface deformation of the specimen. It is an excellent choice for polishing metallographic samples consisting of different materials or varying hardness levels.





Polishing Consumables

Monocrystalline Diamond Suspension



Diabrasive Choice Diamond Suspension - High Viscosity

Micron	Pack Size	Item Number	Price [\$]
1	8oz [237ml]	DSC-801	20
1	16oz [473ml]	DSC-1601	40
1	32oz [946ml]	DSC-3201	70
1	1 Gallon [3.8L]	DSC-12801	220
3	8oz [237ml]	DSC-803	20
3	16oz [473ml]	DSC-1603	40
3	32oz [946ml]	DSC-3203	70
3	1 Gallon [3.8L]	DSC-12803	220
6	8oz [237ml]	DSC-806	20
6	16oz [473ml]	DSC-1606	40
6	32oz [946ml]	DSC-3206	70
6	1 Gallon [3.8L]	DSC-12806	220
9	8oz [237ml]	DSC-809	20
9	16oz [473ml]	DSC-1609	40
9	32oz [946ml]	DSC-3209	70
9	1 Gallon [3.8L]	DSC-12809	220
30	8oz [237ml]	DSC-830	20
30	16oz [473ml]	DSC-1630	40
30	32oz [946ml]	DSC-3230	70
30	1 Gallon [3.8L]	DSC-12830	220

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.





Polishing Consumables

Monocrystalline Diamond Suspension

Diabrasive Choice Diamond Suspension - Low Viscosity

Micron	Pack Size	Item Number	Price [\$]
1	8oz [237ml]	DSCL-801	20
1	16oz [473ml]	DSCL-1601	40
1	32oz [946ml]	DSCL-3201	70
1	1 Gallon [3.8L]	DSCL-12801	220
3	8oz [237ml]	DSCL-803	20
3	16oz [473ml]	DSCL-1603	40
3	32oz [946ml]	DSCL-3203	70
3	1 Gallon [3.8L]	DSCL-12803	220
6	8oz [237ml]	DSCL-806	20
6	16oz [473ml]	DSCL-1606	40
6	32oz [946ml]	DSCL-3206	70
6	1 Gallon [3.8L]	DSCL-12806	220
9	8oz [237ml]	DSCL-809	20
9	16oz [473ml]	DSCL-1609	40
9	32oz [946ml]	DSCL-3209	70
9	1 Gallon [3.8L]	DSCL-12809	220
30	8oz [237ml]	DSCL-830	20
30	16oz [473ml]	DSCL-1630	40
30	32oz [946ml]	DSCL-3230	70
30	1 Gallon [3.8L]	DSCL-12830	220

8oz bottle includes (1) pour-spout / 16oz bottle includes (1) pour spout and (1) trigger sprayer, 32oz bottle includes (1) pour-spout, 1-Gallon bottle includes (1) empty 16oz bottle (1) pour-spout and (1) trigger sprayer.





Polishing Consumables

Diamond Paste

Diamond pastes are excellent for polishing of metallurgical specimens. OnPoint's diamond paste utilizes a high concentration of diamonds, ensuring fast and efficient polishing with minimal effort.

Water soluble for easy clean up.



Polycrystalline Diamond Paste—Water Soluble

Micron	Pack Size	Item Number	Price [\$]
1	18g	DPP-1801	80
3	18g	DPP-1803	80
6	18g	DPP-1806	80
9	18g	DPP-1809	80

Monocrystalline Diamond Paste—Water Soluble

Micron	Pack Size	Item Number	Price [\$]
1	18g	DPC-1801	60
3	18g	DPC-1803	60
6	18g	DPC-1806	60
9	18g	DPC-1809	60



Diamond paste is intended to be used with one of our *LubriMet* lubricants. Choose from water based, alcohol based, and oil based lubricants. See page 42





Polishing Consumables

Lubricants and Extenders

OnPoint's line of polishing lubricants are designed to be used as a lubricant in fixed abrasive settings (grinding discs and lapping films) or as an extender in loose abrasives applications (diamond suspensions and paste). Available in water-based, alcohol-based, and oil-based variations.

LubriMet-W is a water based polishing lubricant with cooling properties.

LubriMet-A is an alcohol based product that works great with Diabrasive diamond suspensions. Great choice for water sensitive samples.

LubriMet-O is an oil based lubricant for creating a 100% non-aqueous condition in your preparation procedure.



LubriMet Lubricants and Diamond Extenders

Name	Base	Pack Size	Item Number	Price [\$]
LubriMet-W	Water	16oz [473ml]	LBW-16	10
LubriMet-W	Water	32oz [946ml]	LBW-32	20
LubriMet-W	Water	1 Gallon [3.8L]	LBW-128	75
LubriMet-A*	Alcohol*	16oz [473ml]	LBA-16	12
LubriMet-A*	Alcohol*	32oz [946ml]	LBA-32	24
LubriMet-O	Oil	16oz [473ml]	LBO-16	10
LubriMet-O	Oil	32oz [946ml]	LBO-32	20
LubriMet-O	Oil	1 Gallon [3.8L]	LBO-128	75

* Ground shipping only. Cannot be shipped by air.





Polishing Consumables

Alumina Suspension

Alumabrasive Alumina suspensions offer a superior option for polishing soft materials. With its high viscosity and water-based formulation, this product delivers exceptional polishing results while using only a minimal amount of slurry.

Particle Size Options

0.05µm 0.3µm 1µm 3µm



Alumabrasive Alumina Suspension

Micron	Pack Size	Item Number	Price [\$]
0.05	8oz [237ml]	ALSF-8005	18
0.05	16oz [473ml]	ALSF-16005	28
0.05	32oz [946ml]	ALSF-32005	48
0.05	1 Gallon [3.8L]	ALSF-128005	158
0.3	8oz [237ml]	ALSF-803	18
0.3	16oz [473ml]	ALSF-1603	28
0.3	32oz [946ml]	ALSF-3203	48
0.3	1 Gallon [3.8L]	ALSF-12803	158
1	8oz [237ml]	ALS-81	18
1	16oz [473ml]	ALS-161	28
1	32oz [946ml]	ALS-321	48
1	1 Gallon [3.8L]	ALS-1281	158
3	8oz [237ml]	ALS-83	18
3	16oz [473ml]	ALS-163	28
3	32oz [946ml]	ALS-323	48
3	1 Gallon [3.8L]	ALS-1283	158





Polishing Consumables

Alumina Powder

OnPoint's metallurgical grade alumina powder offers an impressive purity of 99.9%. This precisely manufactured alumina powder ensures a narrow particle size distribution range, guaranteeing consistent results.

When combined with distilled water, alumina powder creates a cost-effective polishing slurry suitable for various applications. Great choice for soft materials such as copper, high-purity aluminum, gold, silver, and lead.

Particle Size Options

1 μ m 3 μ m 5 μ m



Alumina Powder

Micron	Pack Size	Item Number	Price [\$]
1	1 lb	ALP-611	49
1	5 lb	ALP-651	220
3	1 lb	ALP-613	22
3	5 lb	ALP-653	79
5	1 lb	ALP-615	22
5	5 lb	ALP-655	79





Polishing Consumables

Colloidal Silica

ProPrep Colloidal Silica is an excellent final polishing suspension for removing the final layer of surface deformation on materials such as steel, aluminum, nickel alloys, titanium, engineered ceramics, and minerals.

0.04 micron
pH 9.5 - 10
40% solids



ProPrep Colloidal Silica

Micron	Pack Size	Item Number	Price [\$]
0.04	16oz [473ml]	PPS-16	20
0.04	32oz [946ml]	PPS-32	34
0.04	64oz [1.89L]	PPS-64	60
0.04	1 Gallon [3.8L]	PPS-128	105

ProPrep 2 Colloidal Silica - Low Crystallizing formula

Micron	Pack Size	Item Number	Price [\$]
0.04	16oz [473ml]	PP2S-16	22
0.04	32oz [946ml]	PP2S-32	38
0.04	64oz [1.89L]	PP2S-64	64
0.04	1 Gallon [3.8L]	PP2S-128	110

ProPrep Colloidal Silica Blue - Dyed for easy visibility

Micron	Pack Size	Item Number	Price [\$]
0.04	16oz [473ml]	PPB-16	20
0.04	32oz [946ml]	PPB-32	34
0.04	64oz [1.89L]	PPB-64	60
0.04	1 Gallon [3.8L]	PPB-128	105





Polishing Consumables

Specialty Final Polishing Suspensions

AlumaPro Achieve flawless surfaces effortlessly with AlumaPro. This advanced 0.05 micron polycrystalline alumina slurry is perfect for final polishing various materials, including ferrous metals, low melting point alloys, precious metals, carbides, minerals, and electronics. Experience EBSD quality surfaces and unleash unparalleled precision with AlumaPro.

0.05 micron
pH 8.5 - 10.5
20% solids



AlumaPro Polycrystalline Alumina Suspension

Micron	Pack Size	Item Number	Price [\$]
0.05	16oz [473ml]	APA-16	45
0.05	32oz [946ml]	APA-32	70
0.05	64oz [1.89L]	APA-64	110
0.05	1 Gallon [3.8L]	APA-128	195

SilverBullet Experience the power of synergy with SilverBullet. Our unique formula combines the benefits of colloidal silica's chemical contribution and polycrystalline alumina's enhanced mechanical properties. The result? Improved removal rates that redefine polishing performance.

Named SilverBullet for its versatility across various materials, this CMP Polishing Suspension is your ultimate solution.

0.05 micron
pH 9.5 - 10
30% solids



SilverBullet Colloidal Silica + Alumina CMP Suspension

Micron	Pack Size	Item Number	Price [\$]
0.05	16oz [473ml]	SBS-16	45
0.05	32oz [946ml]	SBS-32	70
0.05	64oz [1.89L]	SBS-64	110
0.05	1 Gallon [3.8L]	SBS-128	195





Cleaning Consumables

Specimen Cleaning

Cleaning your metallographic specimen after each step in the preparation process is crucial and widely regarded as a best practice. This practice aims to eliminate contamination and ensure accurate and reliable results during the analysis.

Ultrasonic Specimen Cleaner - 1.5L



Capacity: 1.5L (50oz)
 Internal Tank Dimensions: 6in x 5.5in x 3.9in (L x W x H)
 Overall Dimensions: 7.1in x 6.5in x 8.5in (L x W x H)
 Made of 304 stainless steel
 Digital Control Panel with 0-30min timer
 Power: 110VAC 60Hz
 Ultrasonic Frequency: 40kHz
 Ultrasonic Power: 60W

Cleaning Supplies

Product	Package Size	Item Number	Price [\$]
Ultrasonic Cleaner 1.5L	Each	USC-1L	150
ElectroClean Solution	32oz [946ml]	UCS-32	20
Wash Bottle 16oz LYOB	Each	WBLY-16	15
Cotton Balls	200ct	CB-200	6



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