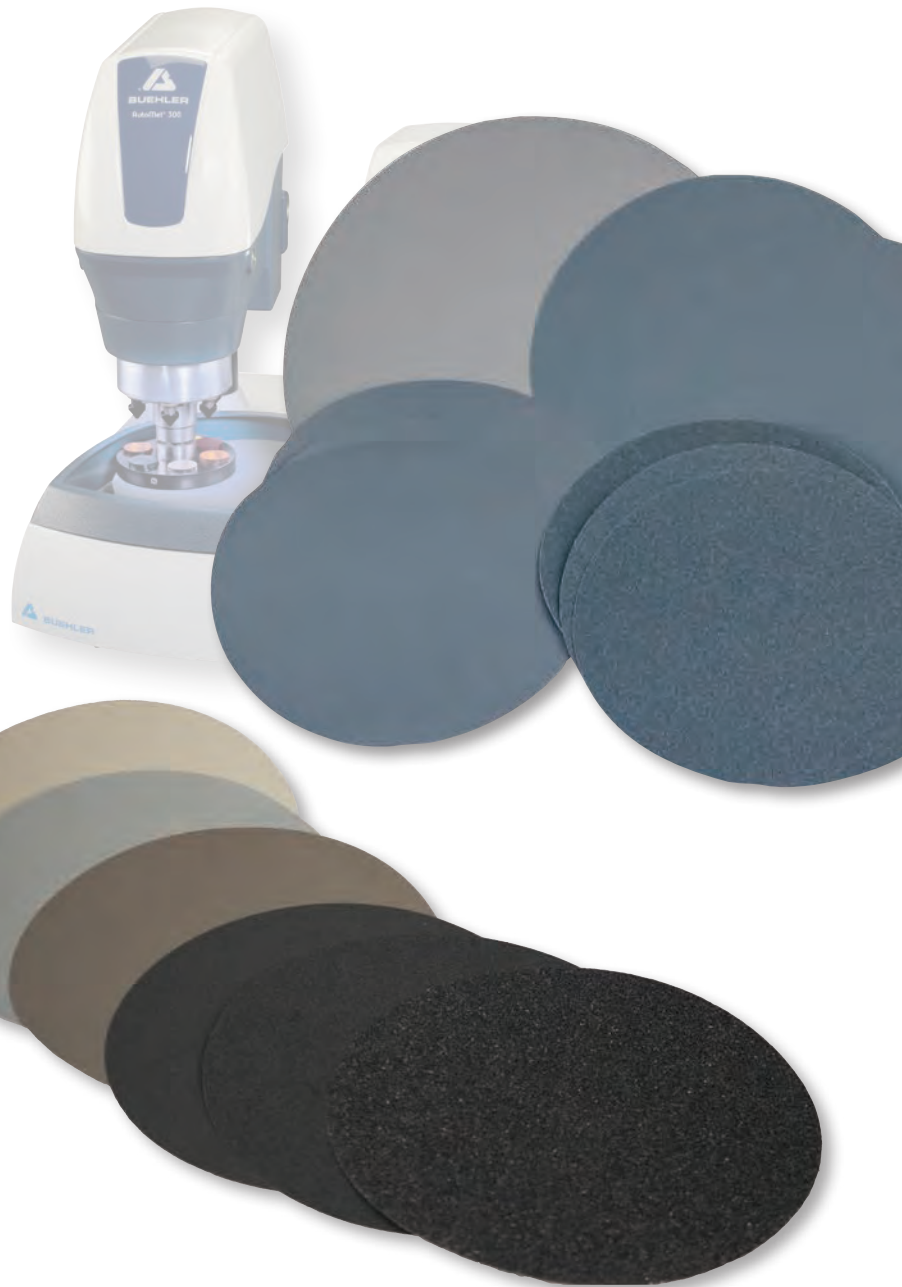
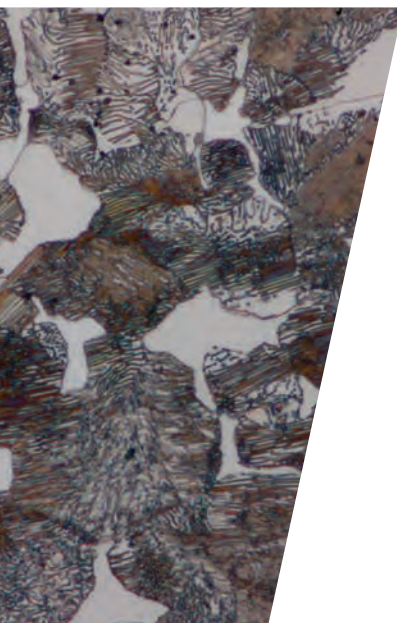
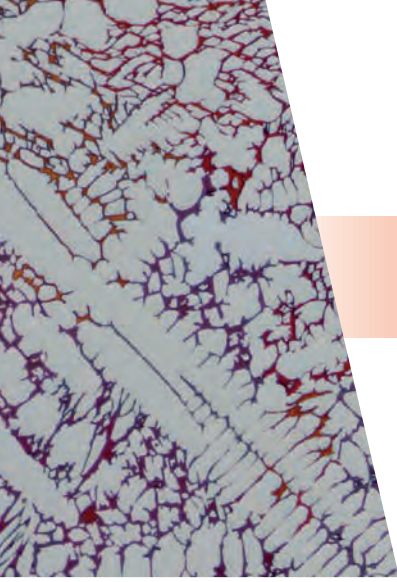


# CarbiMet™ & MicroCut™ Abrasive Papers



# CarbiMet™ and MicroCut™ Abrasive Paper Family

Customized abrasive paper system- high quality paper, specialty S backing and bond coat all designed specific for materials preparation and analysis. Providing exceptional final surface finishes and the best possible lifetime, these premium abrasive papers are available in a variety of diameters and grit sizes providing the required solution for a the widest variety of applications. With three backings available, choose the solution that is best for you: S backing - offering the most convenient, consistent and predictable application and removal; PSA backing - offers convenient application and removal once clear backing is removed; Plain backing - offers an economical solution, but requires water or a paper holding band during application.

## Excellent quality

- High quality surface provides improved material removal rates
- Resultant scratch patterns and deformation are shallow and consistent
- Electrostatically applied abrasives provide consistent coverage, aligned sharp particles and strong adhesion to the bond system, providing long life and predictable results

## Fine Abrasive Sizes Available

- MicroCut Abrasive discs offer our finest grit sizes
- Waterproof coating provides long life and durability
- Slurry coated for superior surface finish

## Clear Markings

- Grit size and disc dimensions clearly identified
- Easy access box

## Waterproof coating

- Waterproof coating protect paper from water absorption
- Improved flexibility
- Resistant to folding and tearing

## Convenient Storage

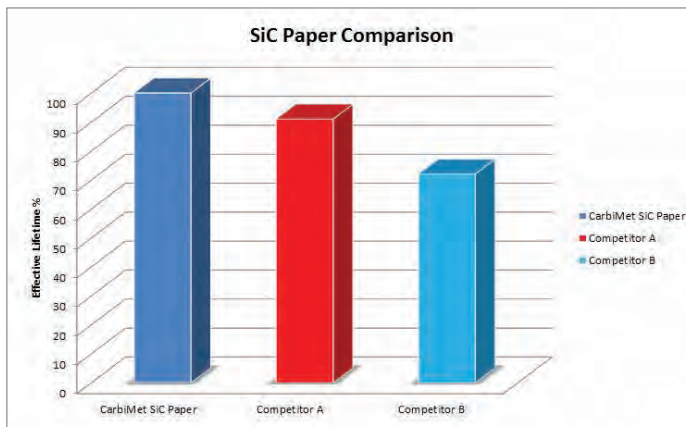
- Stackable box with removable panel for easy access



## Various Backing Options

- Apex S backing compatible with Apex S Carrier Films for effortless application and removal (*best option*)
- PSA backing for use on any platen system (*better option*)
- Plain backing for use with water or with paper holding bands (*good option*)

## At a Glance



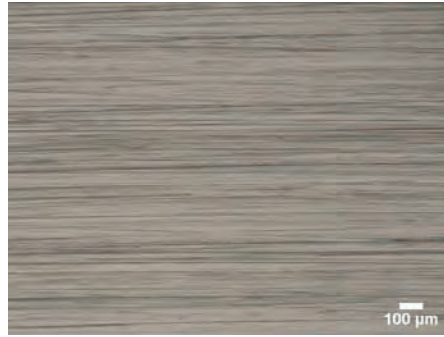
CarbiMet provides a longer useful life when compared to two other competitive abrasive papers.

## Scratch Patterns Steel

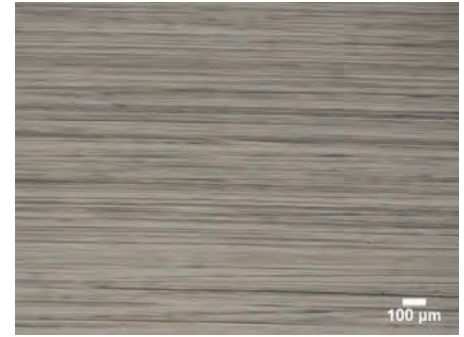
As prepared according to SumMet™ method with CarbiMet™ abrasive papers.



80 grit [P80]



120 grit [P120]



180 grit [P180]



220 grit [P240]



280 grit [P320]



320 grit [P400]



360 grit [P600]



400 grit [P800]



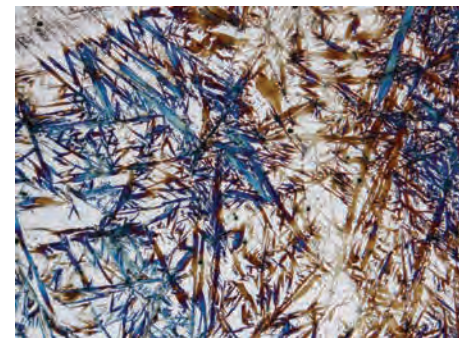
500 grit [P1000]



600 grit [P1200]



1000 grit [P2500]



Martensitic Steel with retained Austenite etched with Klemm II 20x. Prepared according to SumMet method using CarbiMet abrasive papers.

## Scratch Patterns Brass

As prepared according to SumMet™ method with CarbiMet™ abrasive papers.



80 grit [P80]



120 grit [P120]



180 grit [P180]



220 grit [P240]



280 grit [P320]



320 grit [P400]



360 grit [P600]



400 grit [P800]



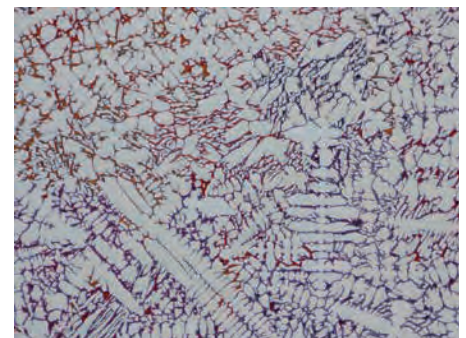
500 grit [P1000]



600 grit [P1200]



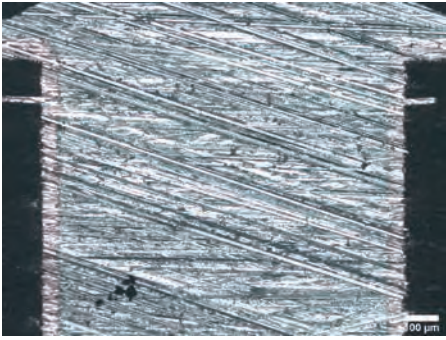
1000 grit [P2500]



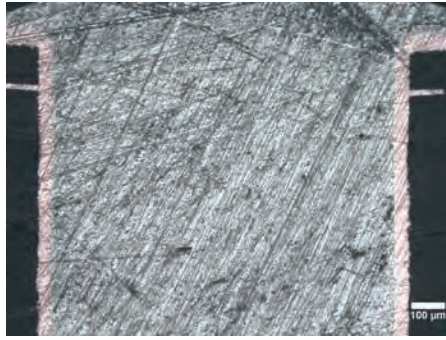
Brass as cast etched with Klemm III 10x.  
Prepared according to SumMet method  
using CarbiMet abrasive papers.

## Scratch Patterns Electronics

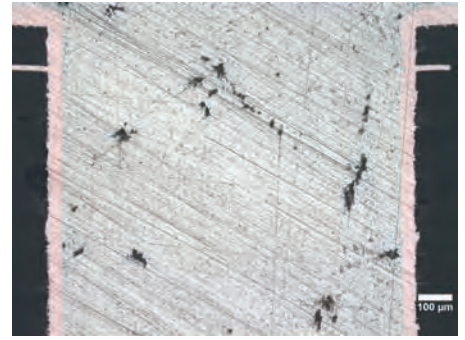
Solder ball as prepared according to SumMet™ method with CarbiMet™ abrasive papers.



320 grit [P400]



TexMet™ P 9µm



VerduTex™ 3µm



VerduTex™ 1µm



ChemoMet™ 0.05µm

## CarbiMet™ S & MicroCut™ S Abrasive Discs (qty 100)

- Use with Apex™ S Carrier Films
- Designed for superior grinding performance
- Provides rapid material removal and uniform surface finish
- Exceptional life to material removal Ratio



### Apex S Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [203mm]	10in [254mm]	12in [305mm]
<b>CarbiMet S</b>				
80 [P80]	188	16-08-0080	16-10-0080	16-12-0080
120 [P120]	127	16-08-0120	16-10-0120	16-12-0120
180 [P180]	78	16-08-0180	16-10-0180	16-12-0180
220 [P240]	58	16-08-0220	16-10-0220	16-12-0220
240 [P280]	52	16-08-0240	16-10-0240	16-12-0240
280 [P320]	46	16-08-0280	16-10-0280	16-12-0280
320 [P400]	35	16-08-0320	16-10-0320	16-12-0320
360 [P600]	26	16-08-0360	16-10-0360	16-12-0360
400 [P800]	22	16-08-0400	16-10-0400	16-12-0400
500 [P1000]	18	16-08-0500	16-10-0500	16-12-0500
600 [P1200]	15	16-08-0600	16-10-0600	16-12-0600
800 [P2500]	8.4	16-08-1000	16-10-1000	16-12-1000
<b>MicroCut S</b>				
800 [P1500] MicroCut S Disc	13	16-08-0800	16-10-0800	16-12-0800
1200 [P2500] MicroCut S Disc	8	16-08-1200	16-10-1200	16-12-1200
P4000 MicroCut S Disc	5	16-08-4000	16-10-4000	16-12-4000
<b>Apex S Carrier Films</b>				
Apex S Carrier Film, metal backed (qty 2)		16-2074	16-2574	16-3074
Apex S Carrier Film, PSA backed (qty 2)		16-2075	16-2575	16-3075

## Apex S Carrier Films (qty 2)

- For use with CarbiMet S and MicroCut S

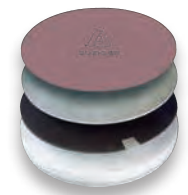
Type	8in [203mm]	10in [254mm]	12in [305mm]
Apex S Carrier Film, magnetic backed	16-2074	16-2574	16-3074
Apex S Carrier Film, PSA backed	16-2075	16-2575	16-3075



## Apex Quick Change Magnetic System

- For use with CarbiMet PSA and MicroCut PSA

Type	8in [203mm]	10in [254mm]	12in [305mm]
Apex M- PSA backed Magnetic disc (qty 1)	41-2739-608-001	41-2739-610-001	41-2739-612-001
Apex B- Bimetallic Plate (qty 1)	41-2739-208-001	41-2739-210-001	41-2739-212-001
Apex MagnoDisc- Platen with magnet insalled (qty 1)	16-2071	16-2571	16-3071
Apex MagnoFix-PSA backed Magnetic disc (qty 1)	16-2070	16-2570	16-3070
Apex MagnoMet- Metallic plates (qty 5)	16-2072	16-2572	16-3072
Apex MagnoPad- Teflon coated Metallic plates (qty 5)	16-2073	16-2573	16-3073



## CarbiMet™ & MicroCut™ Abrasive Discs (qty 100)

- Designed for superior grinding performance
- Provides rapid material removal and uniform surface finish
- Exceptional Life to Material Removal Ratio
- Premium water resistant "C" weight paper



### PSA Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [203mm]	10in [254mm]	12in [305mm]
<b>CarbiMet</b>				
80 [P80]	188	36-08-0080	36-10-0080	36-12-0080
120 [P120]	127	36-08-0120	36-10-0120	36-12-0120
180 [P180]	78	36-08-0180	36-10-0180	36-12-0180
220 [P240]	58	36-08-0220	36-10-0220	36-12-0220
240 [P280]	52	36-08-0240	36-10-0240	36-12-0240
280 [P320]	46	36-08-0280	36-10-0280	36-12-0280
320 [P400]	35	36-08-0320	36-10-0320	36-12-0320
360 [P600]	26	36-08-0360	36-10-0360	36-12-0360
400 [P800]	22	36-08-0400	36-10-0400	36-12-0400
500 [P1000]	18	36-08-0500	36-10-0500	36-12-0500
600 [P1200]	15	36-08-0600	36-10-0600	36-12-0600
1000 [P2500]		36-08-1000	36-10-1000	36-12-1000
<b>MicroCut</b>				
800 [P1500] MicroCut Disc	13	36-08-0800	36-10-0800	36-12-0800
1200 [P2500] MicroCut Disc	8	36-08-1200	36-10-1200	36-12-1200
P4000 MicroCut Disc	5	36-08-4000	36-10-4000	36-12-4000

### Plain Backed

Grit Size - ANSI [FEPA]	Approx. Micron Size	8in [200mm]	10in [250mm]	12in [305mm]
<b>CarbiMet</b>				
80 [P80]	188	30-08-0080	30-10-0080	30-12-0080
120 [P120]	127	30-08-0120	30-10-0120	30-12-0120
180 [P180]	78	30-08-0180	30-10-0180	30-12-0180
220 [P240]	58	30-08-0220	30-10-0220	30-12-0220
240 [P280]	52	30-08-0240	30-10-0240	30-12-0240
280 [P320]	46	30-08-0280	30-10-0280	30-12-0280
320 [P400]	35	30-08-0320	30-10-0320	30-12-0320
360 [P600]	26	30-08-0360	30-10-0360	30-12-0360
400 [P800]	22	30-08-0400	30-10-0400	30-12-0400
500 [P1000]	18	30-08-0500	30-10-0500	30-12-0500
600 [P1200]	15	30-08-0600	30-10-0600	30-12-0600
1000 [P2500]		30-08-1000	30-10-1000	30-12-1000
<b>MicroCut</b>		8in [203mm]	10in [254mm]	12in [305mm]
800 [P1500] MicroCut Disc	13	30-08-0800	30-10-0800	30-12-0800
1200 [P2500] MicroCut Disc	8	30-08-1200	30-10-1200	30-12-1200
P4000 MicroCut Disc	5	30-08-4000	30-10-4000	30-12-4000
MetGrip™ LIners (qty 10)		30-8508	30-8510	30-8512

## Grinding & Polishing Consumables for MiniMet 1000

Abrasive Discs, PSA Backed, 2.875in [73mm] (qty 100)



### CarbiMet™ 2 Discs

36-02-0120 – 120 [P120]	127µm
36-02-0180 – 180 [P180]	78µm
36-02-0240 – 240 [P280]	52µm
36-02-0320 – 320 [P400]	35µm
36-02-0400 – 400 [P800]	22µm
36-02-0600 – 600 [P1200]	15µm

### MicroCut™ Discs

36-02-0800 – 800 [P1500]	13µm
36-02-1200 – 1200 [P2500]	8µm

## CarbiMet Rolls - 3.44in x 60ft [87mm x 18m]

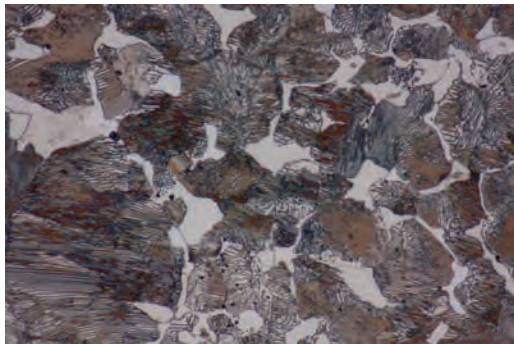
Grit Size ANSI [FEPA]	Approx. Micron Size	Part Number
240 [P280]	52	30-040-240
320 [P400]	35	30-040-320
400 [P800]	22	30-040-400
600 [P1200]	15	30-040-600



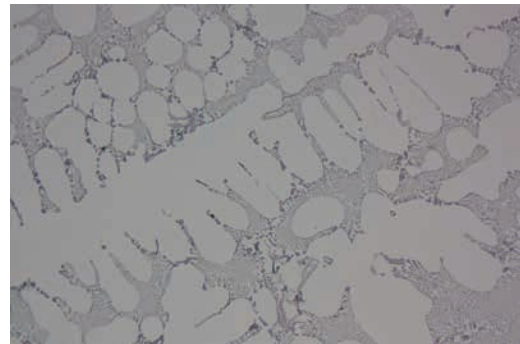
## CarbiMet Strips for Legacy Grinders (qty 100)

3in x 11in [76 x 279mm]

Grit Size ANSI [FEPA]	Part Number
240 [P280]	36-030-0240
320 [P400]	36-030-0320
400 [P800]	36-030-0400
600 [P1200]	36-030-0600



*C Steel etched with Nital 20X . Prepared according to SumMet method using CarbiMet abrasive papers.*



*AlSi10MG alloys unetched 20x. Prepared according to SumMet method using CarbiMet abrasive papers.*



Shop online at [www.buehler.com](http://www.buehler.com). (US, DE, FR and UK only)

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