

SIA PERFO



SURFACE CONDITIONING



SURFACE CONDITIONING

Abcon SCM products feature a non-woven, three-dimensional design for high performance applications on steel, stainless steel, aluminum, titanium and exotic alloys.

- Manufactured with engineered polyurethane resin to prevent smearing
- Open 3D compared to conventional 2D structure of coated abrasives:
 - No gouging
 - Less loading
 - Smoother operation
 - Consistent cut and finish
 - Lower grinding temperature reduces material discoloration
- Waterproof material allows both wet and dry applications

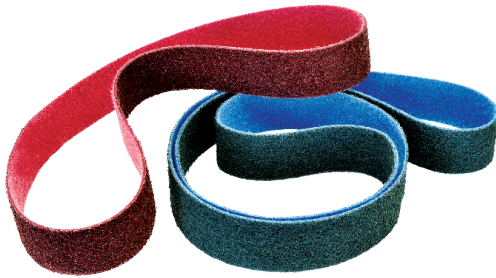
MATERIAL COMPARISON

PRODUCT	CROSS-SECTION	REINFOR-CEMENT	THICKNESS	FLEXIBILITY	WEIGHT	BEST SUITED
SCRIM BACK SCHD		Special Resins Open weave nylon scrim	Thickest Material	Least Flexible	Heaviest	Discs
SCRIM BACK SCB		Open weave Nylon scrim	↓	↓	↓	Discs & Sleeves
SUPER FLEX ZWFX		(same as coated abrasive)	Thinnest Material	Most Flexible	Lightest	File & Narrow Belts

SCB & SCHD – SCRIM BACK DISCS

Open backing structure custom designed for conversion of hook and loop discs or quick change discs. High stock removal rate and fast cutting action for aggressive finishing applications. Extremely resistant to loading.

Available in Coarse, Medium, Very Fine. Also available Plain, With Centre Hole, With Kiss Cut. Centre Hole and Fibre Backed with Slotted Centre Hole.



SCM – NARROW BELTS

Durable, closed backing resists stretching during high tension applications. Custom designed for optimal belt production. Provides smooth and consistent cut and finish throughout product life.

Available in Coarse, Medium, Very Fine. Multiple sizes made to order.

SUPER FLEX FILE BELTS

Flexible backing engineered for small, narrow belts. High conformability to workpieces and small contact wheels of airfile belt sanders. Smooth operation for handheld tools.

Available in Coarse, Medium, Very Fine. Multiple sizes made to order.



SCB

SCB – Plain Discs

100X16	4606.1121	4606.1122	4606.1123
115X22	4606.2121	4606.2122	4606.2123
125X22	4606.3121	4606.3122	4606.3123
178X22	4606.4121	4606.4122	4606.4123
200X22	4606.5121	4606.5122	4606.5123



SCB – With Centre hole

100X16	4606.1221	4606.1222	4606.1223
115X22	4606.2221	4606.2222	4606.2223
125X22	4606.3221	4606.3222	4606.3223
178X22	4606.4221	4606.4222	4606.4223
200X22	4606.5221	4606.5222	4606.5223



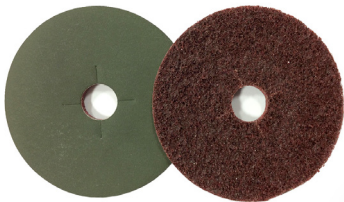
SCB – With Kiss Cut Centre hole

100X16	4606.1321	4606.1322	4606.1323
115X22	4606.2321	4606.2322	4606.2323
125X22	4606.3321	4606.3322	4606.3323
178X22	4606.4321	4606.4322	4606.4323
200X22	4606.5321	4606.5322	4606.5323



SCB – Fibre Backed with Slotted Centre hole

100X16	4606.1421	4606.1422	4606.1423
115X22	4606.2421	4606.2422	4606.2423
125X22	4606.3421	4606.3422	4606.3423
178X22	4606.4421	4606.4422	4606.4423
200X22	4606.5421	4606.5422	4606.5423



SCHD

SCHD – Plain Discs

100X16	4606.1131	4606.1132
115X22	4606.2131	4606.2122
125X22	4606.3131	4606.3122
178X22	4606.4131	4606.4122
200X22	4606.5131	4606.5122



SCHD – With Centre hole

100X16	4606.1231	4606.1232
115X22	4606.2231	4606.2232
125X22	4606.3231	4606.3232
178X22	4606.4231	4606.4232
200X22	4606.5231	4606.5232



SCHD – With Kiss Cut Centre hole

100X16	4606.1331	4606.1332
115X22	4606.2331	4606.2332
125X22	4606.3331	4606.3332
178X22	4606.4331	4606.4332
200X22	4606.5331	4606.5332



SCHD – Fibre Backed with Slotted Centre hole

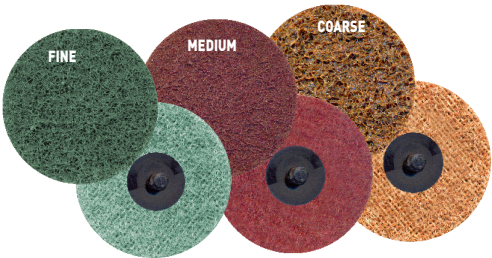
100X16	4606.1431	4606.1432
115X22	4606.2431	4606.2432
125X22	4606.3431	4606.3432
178X22	4606.4431	4606.4432
200X22	4606.5431	4606.5432



SCSB - PERFORMANCE SURFACE CONDITIONING

DESCRIPTION

The Surface Conditioning SCSB type offers quality micro scratch finishes especially on metal, but also on plastic coatings and composites, with a consistent, controlled cutting action. Recommended for Non-ferrous metals



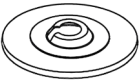
Product Profile

Available sizes
25, 38, 50, 75mm

Mounting Styles:
SD, RD.

SD TYPE

Screw connection with
inner metal thread



RD TYPE

Screw connection with
outer plastic thread



Dia/Grade	COARSE	MEDIUM	FINE
25	SD25 SCSB-COARSE	SD25 SCSB-MEDIUM	SD25 SCSB-FINE
38	SD38 SCSB-COARSE	SD38 SCSB-MEDIUM	SD38 SCSB-FINE
50	SD50 SCSB-COARSE	SD50 SCSB-MEDIUM	SD50 SCSB-FINE
75	SD75 SCSB-COARSE	SD75 SCSB-MEDIUM	SD75 SCSB-FINE

Dia/Grade	COARSE	MEDIUM	FINE
25	RD25 SCSB-COARSE	RD25 SCSB-MEDIUM	RD25 SCSB-FINE
38	RD38 SCSB-COARSE	RD38 SCSB-MEDIUM	RD38 SCSB-FINE
50	RD50 SCSB-COARSE	RD50 SCSB-MEDIUM	RD50 SCSB-FINE
75	RD75 SCSB-COARSE	RD75 SCSB-MEDIUM	RD75 SCSB-FINE

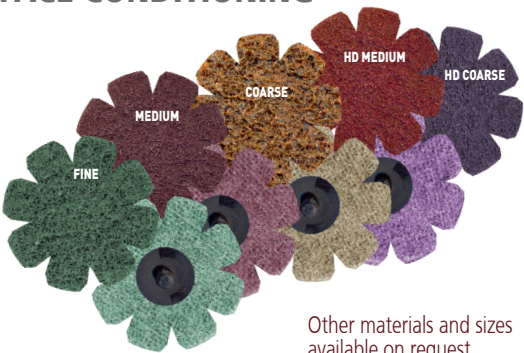
SPSC - SPECIAL SHAPE SURFACE CONDITIONING

DESCRIPTION

The Special Shape SPSC type is especially suitable for working tight contours and concave surfaces with radius transitions.

PRODUCT PROFILE

Available sizes: 75mm
Mounting styles: SD, RD
Grade range: Coarse - Medium - Fine
Backing: 1ply
Holder: use with 50/75mm holder



Other materials and sizes
available on request.

SD TYPE

Screw connection
with inner
metal thread



RD TYPE

Screw connection
with outer
plastic thread



Dia/Grade	COARSE	MEDIUM	FINE
75	SD75 SPSCM-COARSE	SD75 SPSCM-MEDIUM	SD75 SPSCM-FINE
Dia/Grade	HD COARSE	HD MEDIUM	
75	SD75 SPSCHD-COARSE	SD75 SPSCHD-MEDIUM	

Dia/Grade	COARSE	MEDIUM	FINE
75	RD75 SPSCM-COARSE	RD75 SPSCM-MEDIUM	RD75 SPSCM-FINE
Dia/Grade	HD COARSE	HD MEDIUM	
75	RD75 SPSCHD-COARSE	RD75 SPSCHD-MEDIUM	

SCHD - HEAVY DUTY SURFACE CONDITIONING

DESCRIPTION

Heavy Duty Surface Conditioning SCHD type for more aggressive cut than fine surface finishing. Fast cutting and high initial stock removal rate characterise this product.

Recommended for tough grinding jobs on mild steel and stainless steel.

PRODUCT PROFILE

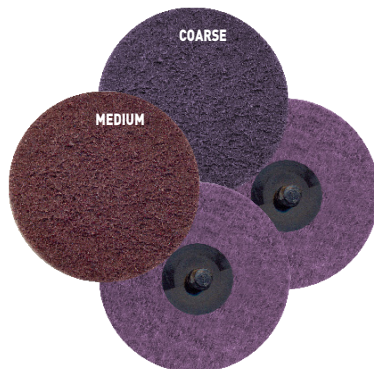
Available sizes: 50, 75mm

COMBINED POWER

The new heavy duty surface conditioning disc has proven its competitive advantages by avoiding grinding steps.

ADVANTAGES

- Up to 4 times longer lifetime than the market leader
- Faster working than the market leader, especially in the first 5 minutes
- More durable so more resistant on edges
- Considerably more resistant to smearing than existing products, especially from the disc edge when working in tight angles
- Medium gives similar surface finish to existing products with up to 3 times longer lifetime
- Coarse is only slightly coarser than existing products with up to 3 times longer lifetime.



Highest performance

Less disc changes, more speed, most efficient

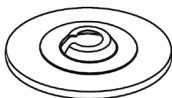
Proven success in countless applications on mild and stainless steel.

APPLICATIONS

- Blending after fibre disc. Due to the faster cut rate of SCHD coarse discs can be used to speed up the application
- Light grinding applications e.g. fused corner welds where no extra material is added during welding
- Light deburring
- Remove surface scratches and handling marks
- Weld cleaning and refinement where weld removal is not required
- High volume production lines such as construction vehicle manufacturing.

SD TYPE

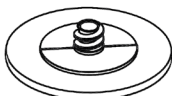
Screw connection with inner metal thread



Dia/Grade	COARSE	MEDIUM
50	SD50 SCHD-COARSE	SD50 SCHD-MEDIUM
75	SD75 SCHD-COARSE	SD75 SCHD-MEDIUM

RD TYPE

Screw connection with outer plastic thread



Dia/Grade	COARSE	MEDIUM
50	RD50 SCHD-COARSE	RD50 SCHD-MEDIUM
75	RD75 SCHD-COARSE	RD75 SCHD-MEDIUM

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