

PT. Bahtera Indoamplas Gemilang
BIG CHAMPION®
COATED ABRASIVES



Certificate No. Q55412

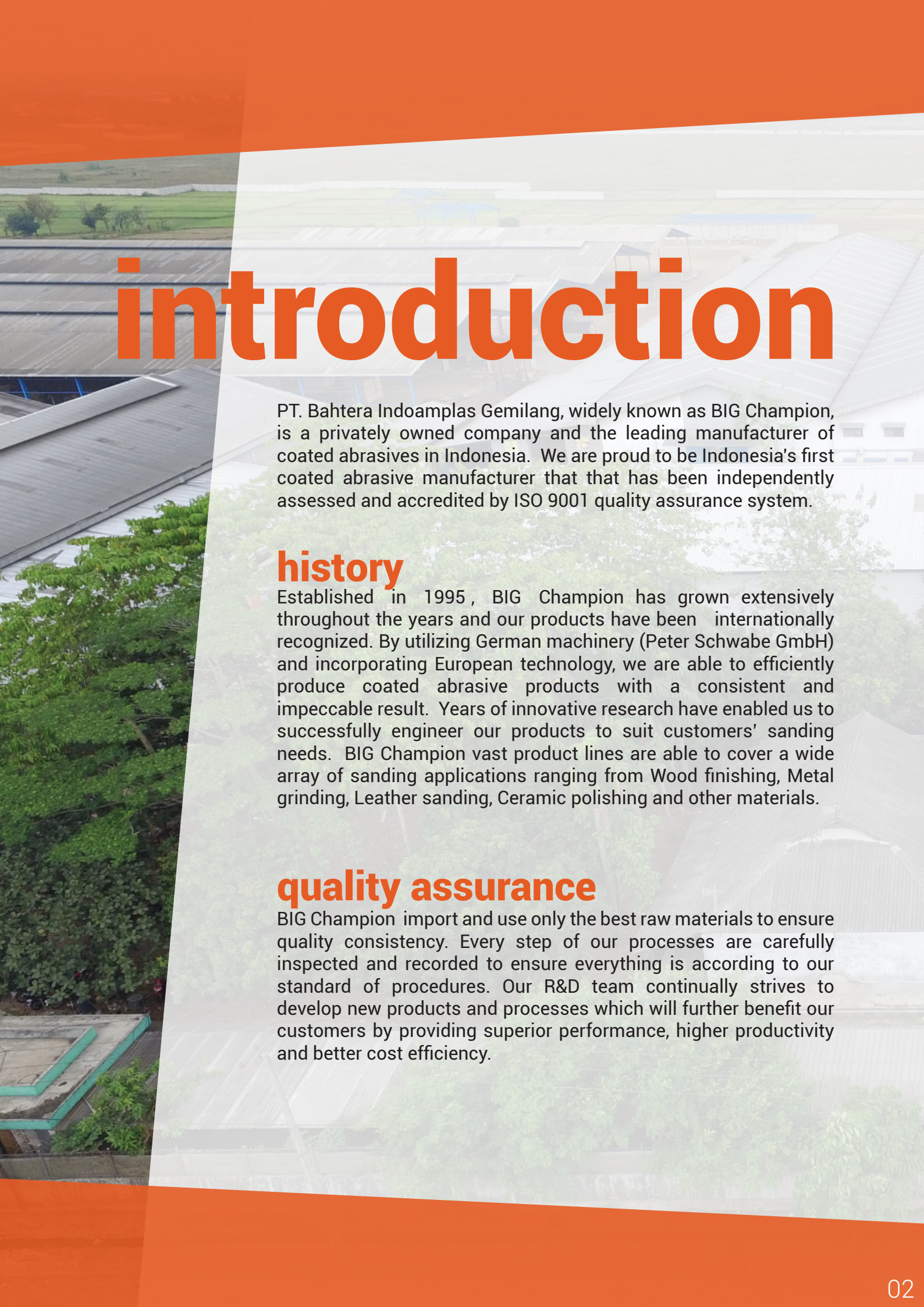
companyprofile



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introduction

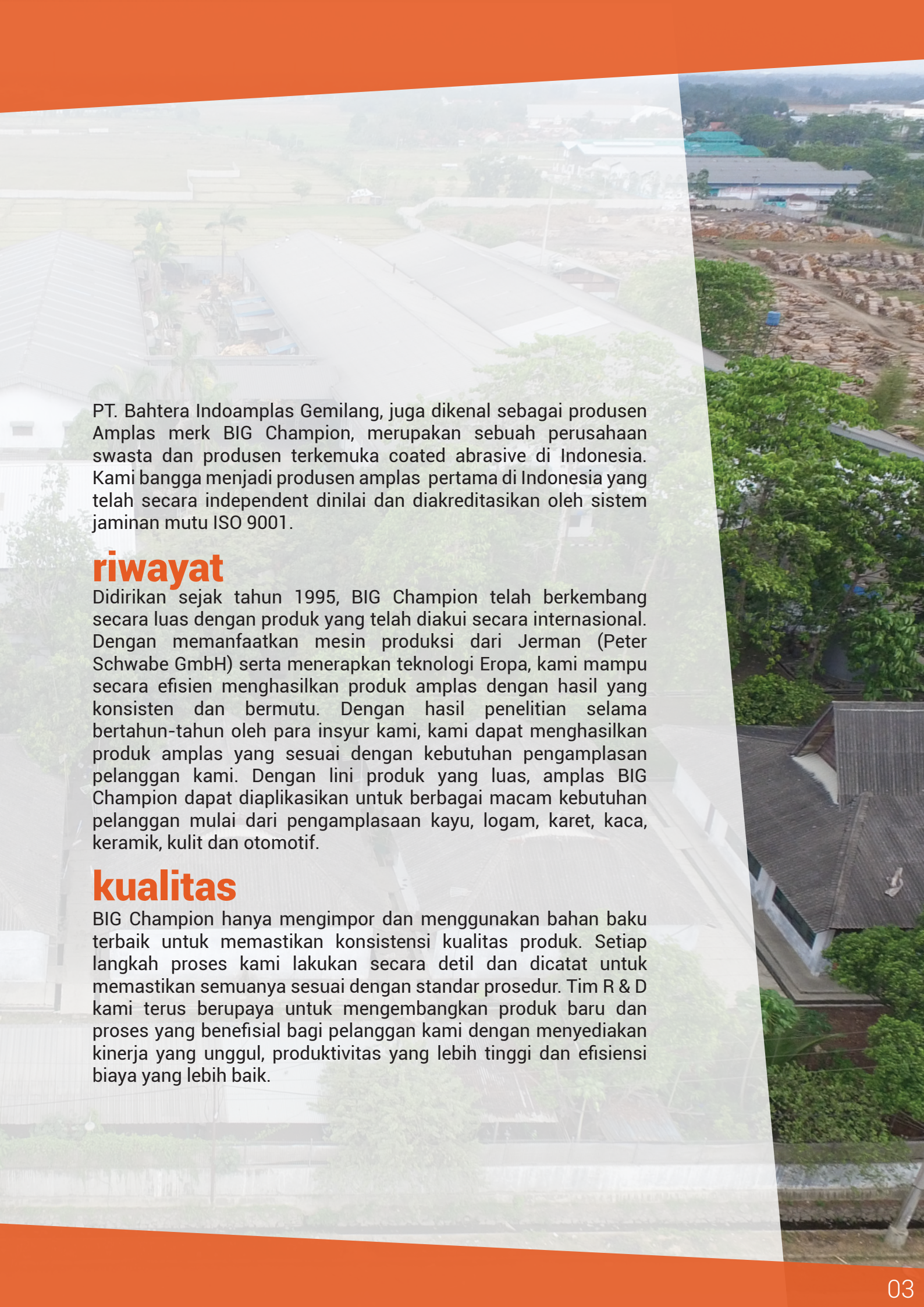
PT. Bahtera Indoampas Gemilang, widely known as BIG Champion, is a privately owned company and the leading manufacturer of coated abrasives in Indonesia. We are proud to be Indonesia's first coated abrasive manufacturer that has been independently assessed and accredited by ISO 9001 quality assurance system.

history

Established in 1995, BIG Champion has grown extensively throughout the years and our products have been internationally recognized. By utilizing German machinery (Peter Schwabe GmbH) and incorporating European technology, we are able to efficiently produce coated abrasive products with a consistent and impeccable result. Years of innovative research have enabled us to successfully engineer our products to suit customers' sanding needs. BIG Champion vast product lines are able to cover a wide array of sanding applications ranging from Wood finishing, Metal grinding, Leather sanding, Ceramic polishing and other materials.

quality assurance

BIG Champion import and use only the best raw materials to ensure quality consistency. Every step of our processes are carefully inspected and recorded to ensure everything is according to our standard of procedures. Our R&D team continually strives to develop new products and processes which will further benefit our customers by providing superior performance, higher productivity and better cost efficiency.



PT. Bahtera Indoamplas Gemilang, juga dikenal sebagai produsen Amplas merk BIG Champion, merupakan sebuah perusahaan swasta dan produsen terkemuka coated abrasive di Indonesia. Kami bangga menjadi produsen amplas pertama di Indonesia yang telah secara independent dinilai dan diakreditasi oleh sistem jaminan mutu ISO 9001.

riwayat

Didirikan sejak tahun 1995, BIG Champion telah berkembang secara luas dengan produk yang telah diakui secara internasional. Dengan memanfaatkan mesin produksi dari Jerman (Peter Schwabe GmbH) serta menerapkan teknologi Eropa, kami mampu secara efisien menghasilkan produk amplas dengan hasil yang konsisten dan bermutu. Dengan hasil penelitian selama bertahun-tahun oleh para insyur kami, kami dapat menghasilkan produk amplas yang sesuai dengan kebutuhan pengamplasan pelanggan kami. Dengan lini produk yang luas, amplas BIG Champion dapat diaplikasikan untuk berbagai macam kebutuhan pelanggan mulai dari pengamplasaan kayu, logam, karet, kaca, keramik, kulit dan otomotif.

kualitas

BIG Champion hanya mengimpor dan menggunakan bahan baku terbaik untuk memastikan konsistensi kualitas produk. Setiap langkah proses kami lakukan secara detil dan dicatat untuk memastikan semuanya sesuai dengan standar prosedur. Tim R & D kami terus berupaya untuk mengembangkan produk baru dan proses yang benefisial bagi pelanggan kami dengan menyediakan kinerja yang unggul, produktivitas yang lebih tinggi dan efisiensi biaya yang lebih baik.



marketmap

BIG Champion's domestic & international market distribution

Distribusi pemasaran BIG Champion domestik dan Internasional

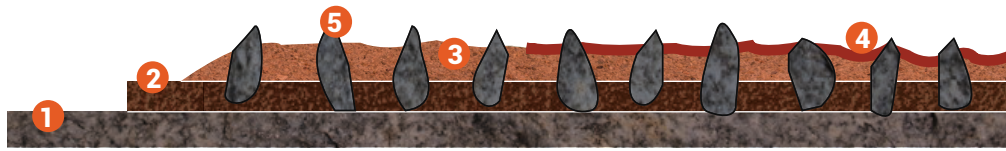


commitment

BIG Champion believes that customer's satisfaction is of utmost importance. Our highly-qualified and experienced product engineers are always ready to provide on-site technical service to solve sanding problems and provide sanding recommendations. By using BIG Champion abrasives, you will be benefited with a peace of mind that your products will be sanded to perfection.

BIG Champion percaya bahwa kepuasan pelanggan adalah yang utama. Teknisi produk kami yang telah berpengalaman akan selalu siap memberikan pelayanan teknis di lokasi untuk memecahkan permasalahan pengampalasan dan memberikan rekomendasi untuk jenis amplas yang sesuai dengan kebutuhan pelanggan. Dengan menggunakan amplas BIG Champion, hasil pengamplasan produk anda akan selalu terjamin sempurna.

sanding glossary



1. Backing 2. Make Coat 3. Size Coat 4. Supersize 5. Grains

backing

Coated abrasive backing material is the main component of abrasive. The backing carries the rest of the abrasive layers. Abrasive backing determines its durability and strength.

types of backing

BIG Champion uses 2 types of Paper Backing & 4 types of Cloth Backing:

Paper ■ E-Weight (Weight: 220-250 g/m²)
■ F-Weight (Weight: 270 g/m²)

Cloth ■ J-Weight (Flexible Cotton/Poly-cotton)
■ X-Weight (Semi-Flexible Cotton/Poly-cotton)
■ Y-Weight (Stiff Poly-cotton)
■ PES (Polyester cloth)

Material backing pada coated abrasive merupakan komponen terpenting pada amplas. Pada backing terletak keseluruhan dari lapisan amplas. Backing pada amplas akan mempengaruhi kelenturan dan kekuatan amplas tersebut.

tipe backing

BIG Champion menggunakan 2 tipe kertas dan 4 tipe kain untuk backing.

Kertas ■ E-Weight (Berat: 220-250 g/m²)
■ F-Weight (Berat : 270 g/m²)

Kain ■ J-Weight (Katun Fleksibel)
■ X-Weight (Katun Semi Fleksibel/Poly-cotton)
■ Y-Weight (Poly-cotton Kaku)
■ PES (Polyester)

bonding system

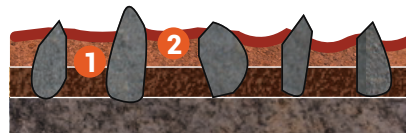
2 types of coating

Make coat & Size coat – are used in the manufacturing of coated abrasive. Make coat acts as a primary base to hold the grains and size coat acts as a secondary base to keep the grains firmly.

BIG Champion uses synthetic resins for coatings as it provides greater product durability and consistent quality.

Kami memproduksi amplas dengan menggunakan 2 mekanisme pelapisan sintetis resin. Lapisan utama berfungsi untuk menahan butiran pasir dan lapisan kedua untuk menjaga daya kekuatan pasir.

BIG Champion menggunakan bahan dasar sintetis resin untuk pelapisan. Hal ini dikarenakan bahan sintetis resin memberikan daya tahan yang lebih kuat dan kualitas yang konsisten.



1. Make Coat 2. Size Coat

grains

The choice of grain is vital in producing the final sanding result and it also determines the lifespan of the product.

BIG Champion uses 3 types of grains:

1. Aluminum oxide
2. Silicon carbide
3. Zirconia

Pemilihan jenis pasir menjadi hal yang sangat vital dalam memproduksi amplas. Tipe pasir berpengaruh pada hasil akhir pengamplasan dan juga menentukan umur pemakaian produk.

BIG Champion menggunakan 3 jenis pasir :

1. Aluminum oxide
2. Silicon carbide
3. Zirconia

grit sizes

There are different kinds of grit size standards such as FEPA, ANSI and GOST. BIG Champion uses grains according to FEPA standards – Federation of European Producers of Abrasives. Products which follow FEPA standards are characterized by the "P" mark – for example P120

Ada berbagai jenis standar ukuran grit seperti FEPA, ANSI dan GOST. BIG Champion menggunakan Grain sesuai dengan standar FEPA - Federasi Produsen Abrasives di Eropa. Produk yang mengikuti standar FEPA ditandai oleh "P" tanda - misalnya P120

secondary treatment

Some of BIG Champion products are applied with additional treatment: Stearate coating or Anti-static treatment.

stearate coating

Designed to prolong lifespan by preventing rapid clogging and helps to provide a more consistent finish.

anti-static treatment

Designed to prevent dust problems for better work environment & provide a clean dust-free sanding surface.

Beberapa produk BIG Champion diterapkan dengan pengolahan tambahan: pelapisan Stearate atau pengolahan Anti-statis.

lapisan stearate

Dirancang untuk memperpanjang umur dengan mencegah penyumbatan dan membantu untuk penyelesaian produksi lebih konsisten.

pengolahan anti-statis

Dirancang untuk mencegah masalah debu untuk lingkungan kerja yang lebih baik dan permukaan pengamplasan yang bersih.



unparalleled
product
precision

abrasive product

paper backing

Paper E-Weight

description usage | dry application **E 259**
backing | E-weight
grain | premium aluminium oxide

grit range	P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200															
application	☒ soft wood	☐ hard wood	☒ furniture	☒ finishing												
	☐ hand sanding	☐ glass	☐ stone	☐ automotive												
	☐ marble	☒ leather	☐ ferrous metal	☐ non-ferrous metal												

description usage | dry application **E 299**
backing | E-weight
grain | aluminium oxide

grit range	P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200															
application	☐ soft wood	☒ hard wood	☒ furniture	☒ finishing												
	☐ hand sanding	☐ glass	☐ stone	☐ automotive												
	☐ marble	☒ leather	☐ ferrous metal	☐ non-ferrous metal												

description usage | dry application **E 999 ZN**
backing | E-weight
grain | silicon carbide with zinc stearate

grit range	P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200															
application	☐ soft wood	☐ hard wood	☐ furniture	☒ finishing												
	☐ hand sanding	☐ glass	☐ stone	☐ automotive												
	☐ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal												

description usage | dry application **E 999 SC**
backing | E-weight
grain | silicon carbide

grit range	P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200															
application	☐ soft wood	☐ hard wood	☐ furniture	☒ finishing												
	☐ hand sanding	☐ glass	☐ stone	☐ automotive												
	☐ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal												

Paper F-Weight

description usage backing grain | dry application F-weight premium aluminium oxide

F 279

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☒ leather	☐ ferrous metal	☐ non-ferrous metal

description usage backing grain | dry application F-weight aluminium oxide

F 299

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☒ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal

cloth backing

Cloth J-Weight

description backing grain | J-weight cotton aluminium oxide

JB 5

grit range AA 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☒ soft wood	☐ hard wood	☒ furniture	☐ finishing
☒ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal

description backing grain | J-weight cotton premium aluminium oxide

JF 11

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☒ marble	☐ leather	☐ ferrous metal	☒ non-ferrous metal

abrasive product

description backing grain | J-weight cotton aluminium oxide

JF 22

grit range AA 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

☐ soft wood	☒ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | J-weight cotton premium aluminium oxide

JF 66

grit range AA 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

☒ soft wood	☐ hard wood	☒ furniture	☐ finishing
☒ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal

description backing grain | J-weight polycotton silicon carbide

JF 77 SC

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

☐ soft wood	☒ hard wood	☒ furniture	☐ finishing
☒ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | J-weight polycotton aluminium oxide

JF 88

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

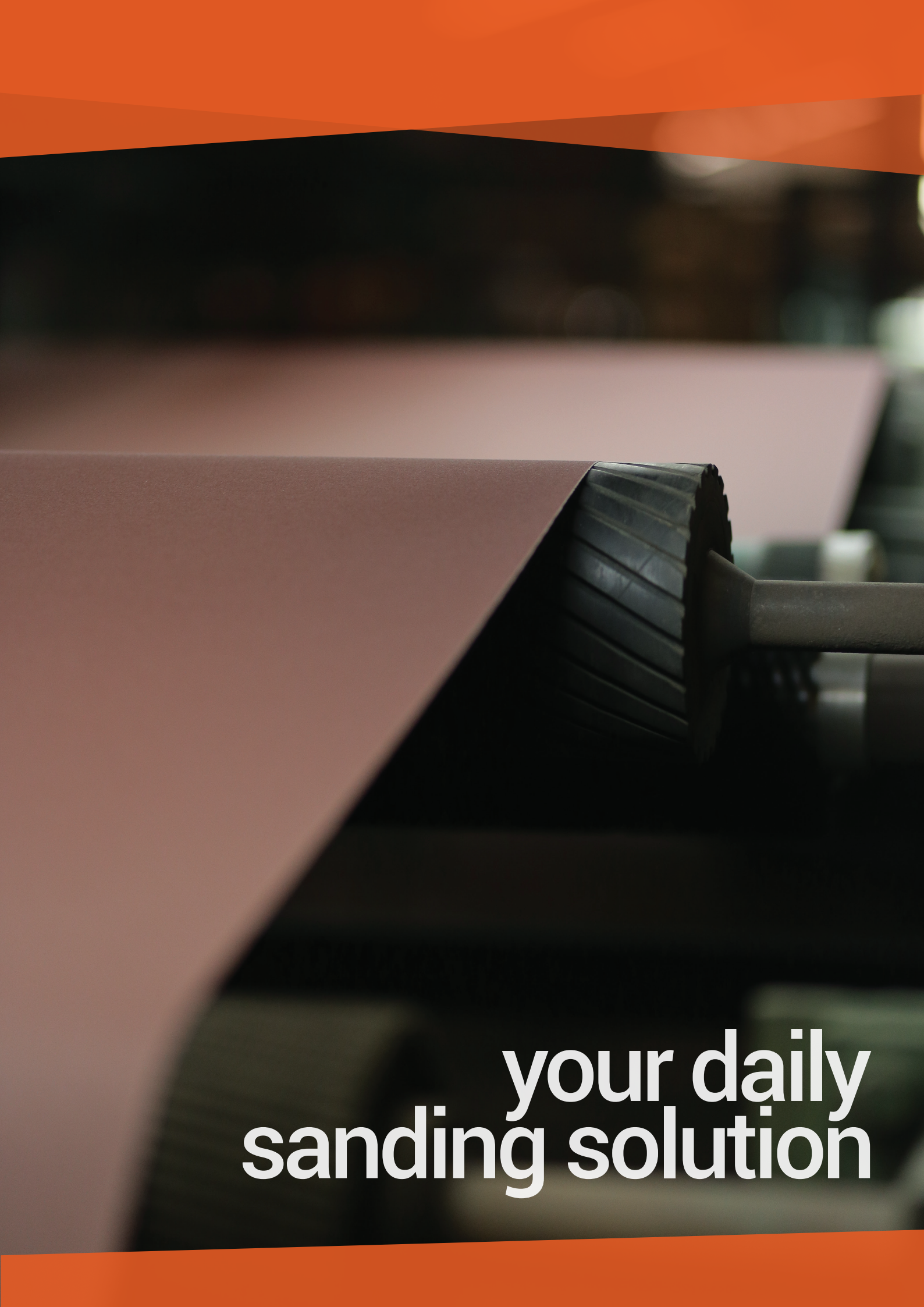
☒ soft wood	☐ hard wood	☒ furniture	☐ finishing
☒ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☒ non-ferrous metal

description backing grain | J-weight cotton aluminium oxide

JF 99

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

☒ soft wood	☐ hard wood	☒ furniture	☐ finishing
☒ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☒ non-ferrous metal

A close-up photograph of a sanding machine. A dark, ribbed roller is shown in the foreground, partially covered by a sheet of light-colored sandpaper. The background is blurred, showing industrial equipment. The image is framed by orange borders at the top and bottom.

**your daily
sanding solution**

abrasive product

description backing grain | J-weight polycotton
aluminium oxide

BJ 8

grit range AA 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☒ hard wood	☒ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

Cloth X-Weight

description backing grain | X-weight polycotton
premium aluminium oxide

X 208

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☐ ferrous metal	☒ non-ferrous metal

description backing grain | X-weight polycotton
aluminium oxide

X 218

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☒ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | X-weight polycotton
aluminium oxide

X 238

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☒ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | X-weight cotton premium aluminium oxide **X 248**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | X-weight polycotton premium aluminium oxide **X 258**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☒ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | X-weight cotton premium aluminium oxide **X 268**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☒ marble	☐ leather	☐ ferrous metal	☒ non-ferrous metal

description backing grain | X-weight polycotton aluminium oxide **X 278**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☒ soft wood	☐ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☒ leather	☐ ferrous metal	☐ non-ferrous metal

abrasive product

description backing grain | X-weight polycotton aluminium oxide **X 288**

grit range AA 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☒ soft wood	☐ hard wood	☒ furniture	☒ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☐ marble	☒ leather	☐ ferrous metal	☐ non-ferrous metal

Cloth Y-Weight

description backing grain | Y-weight polycotton silicon carbide **Y 948 SC**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☒ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☒ glass	☒ stone	☐ automotive
☒ marble	☐ leather	☐ ferrous metal	☐ non-ferrous metal

description backing grain | Y-weight polyester zirconia **Y 798 ZK**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☒ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal

description backing grain | Y-weight Polyester zirconia **Y 798 ZK TS**

grit range P 24 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400 500 600 800 1000 1200

application

☐ soft wood	☐ hard wood	☐ furniture	☐ finishing
☐ hand sanding	☐ glass	☐ stone	☐ automotive
☒ marble	☐ leather	☒ ferrous metal	☐ non-ferrous metal



your trustworthy
sanding companion

jointtype

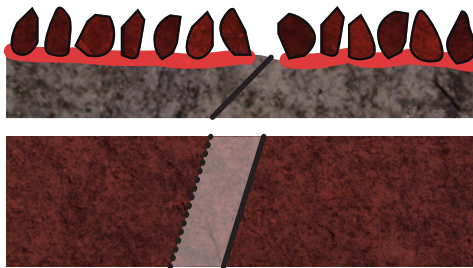
belt joints

Belt joint is an integral part of a sanding belt as it determines sanding performance and result. Adherence of joint has to be strong and conforms to the sanding material without causing any differences in the thickness. BIG Champion offers 4 types of joints.

Sambungan sabuk adalah bagian yang integral dari amplas sabuk karena menentukan performa serta hasil pengamplasan. Ketahanan sambungan harus kuat dan sesuai untuk bahan yang diamplas tanpa menyebabkan perbedaan ketebalan. BIG Champion menyediakan 4 pilihan joint sebagai berikut.

LAP joint

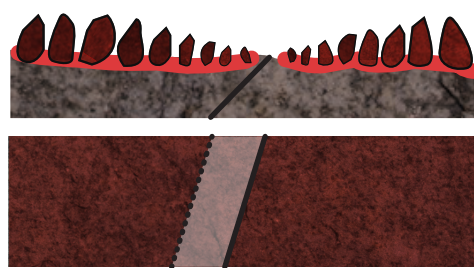
Standard (STD)



For abrasive belts with Cloth & Paper Backing.

Ideal for calibration sanding for heavy stock removal. Tension strength distribution between the material and joint is similar therefore making STD Joint very durable.

Top Skive (TS)



For abrasive belts with Cloth Backing.

Ideal for calibration sanding for heavy stock removal and sanding finished product. Tension strength distribution between the material and joint is similar therefore making Lap Joint very durable. TS Joint flexibility and high strength offers the most optimal solution to most sanding problems.

Digunakan untuk amplas belt dengan Backing Kain & Kertas.

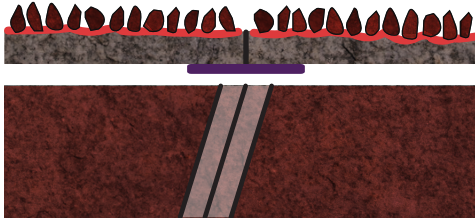
Untuk aplikasi sanding kalibrasi dengan stock removal yang berat. STD joint mempunyai kekuatan sambungan paling optimal dengan kekuatan daya tarik sambungan yang sama.

Digunakan untuk amplas belt dengan Backing Kain.

Untuk aplikasi sanding kalibrasi dengan stock removal yang berat. STD joint mempunyai kekuatan sambungan paling optimal. Kekuatan daya tarik sambungan yang setara dengan kekuatan material membuat joint sangat terjamin. Sambungan ini sangat cocok untuk menghindari cacat benda kerja akibat sambungan yang terlalu tebal dan untuk proses finishing yang memerlukan kekuatan sambung yang prima.

Butt Joint

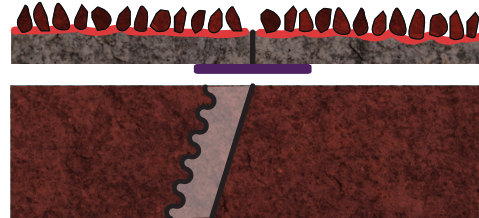
Saaba Joint (SBJ)



Popular for Medium & Narrow belt with Cloth Backing.

Suitable for sanding application that requires smooth and leveled surfaces throughout. The recommended joint for edge & narrow sanding.

Finger Joint (FJS)



Popular for Medium & Wide belt with Cloth Backing.

Suitable for intermediate & finishing sanding. Zig-zag joint construction coupled with a tape backing allows for smooth running and optimal grinding operation.

Digunakan untuk amplas Medium & Narrow belt dengan Backing Kain.

Sangat cocok untuk aplikasi yang memerlukan kerataan yang sempurna. Elastisitas tape yang sangat tinggi memungkinkan aplikasi untuk sudut yang sempit.

Digunakan untuk amplas Medium & Wide belt dengan Backing Kain.

Cocok untuk penggunaan amplas intermediate atau finishing. Sambungan zig-zag yang digabungkan dengan tape dapat menyempurnakan ratanya permukaan sambungan sehingga benda kerja bisa dikikis dengan sempurna.



beltstorage

Proper storage of coated abrasive belts helps to maintain product's shelf life and working capacity. This is essentially important for wide belts & long belts.

Store belts in their original packages until they are to be used.

Abrasive belts are sensitive to surrounding humidity and temperature. Store belts in a room with constant level of humidity and temperature. The ideal humidity level is 35%~50% with a temperature reading of 15°C~25°C.

Avoid storing belts close to a heating/cooling source.

Hang belts horizontally on hangers with a large diameter prior to use.

Penyimpanan yang tepat dari coated abrasive akan membantu mempertahankan masa simpan produk dan kapasitas kerja. Hal ini sangat penting untuk wide belts & long belts.

Simpan belt di dalam kardus sampai akan digunakan.

Amplas belt sangat sensitif terhadap kelembaban dan suhu di sekitarnya. Simpan amplas di ruangan dengan kelembaban dan suhu yang konstan. Kelembaban dan suhu yang ideal adalah di level 35%~50% dengan pembaca temperatur 15°C~25°C.

Hindari menyimpan amplas dekat dengan sumber pemanas atau pendingin.

Gantung amplas secara horizontal dengan gantungan berdiameter besar sebelum digunakan.

technicalservice

BIG Champion provide highly-qualified and experienced Technical Support Experts that are readily available to provide assistance for our customers. May it be on-site or off-site assistance, we are always ready to serve our customers to their full satisfaction.

For technical services you can contact us at:
Technical@bigabrasive.com

BIG Champion menyediakan Tenaga Ahli Teknis yang sangat berkualitas dan berpengalaman yang selalu ada untuk memberikan bantuan bagi pelanggan kami. Baik itu bantuan di lokasi atau diluar lokasi, kami selalu siap untuk melayani pelanggan kami demi kepuasan pelanggan kami.

Hubungi Tenaga Ahli Teknis kami di:
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