TYROLIT / CERAMIC ABRASIVES

CERABOND X

Cutting, grinding and finishing for fabrication, foundry and rail work.



Choose by application

Start with the material and operation. Then match the abrasive form, fitting and dimensions to your machine.

JOB	ABRASIVE TO CHOOSE	PAGE
Cut steel or stainless tube, plate and bar	Steel / INOX cut-off wheels	02
Remove weld metal and grind hard edges	Rough grinding wheels / COMFORT	03
Cut or grind castings, or cut rail	Dedicated foundry and rail wheels	04
Dress welds and blend transitions	Flap discs / C-TRIM	05
Strip, deburr and grind hard surfaces	CA-P94 fibre discs	06
Coarse grinding or stationary belt work	Natural fibre, CA-P95 fibre and belts	07
Deburr, refine or prepare for polishing	Unitised, Quick-Change and PRE-POLISH	08

Ordering

Quote the Tyrolit type number, dimensions and pack quantity. Use the linked variant lists for specialist formats and ask your supplier for availability.

01 / ANGLE GRINDERS

Cut-off wheels

Use for cutting solid sections and hard steel or stainless workpieces. Thin wheels make a narrow cut. Choose thicker options where rigidity is the priority.



Steel and stainless steel

TYPE NO.	FORM	DIMENSIONS (MM)	SPECIFICATION	PACK
34690818	41	115 × 1.0 × 22.23	CA60Q-BFPX	25
34735725	41	115 × 1.3 × 22.23	CA46Q-BFPX	25
34735724	41	115 × 1.6 × 22.23	CA46Q-BFPX	25
34690817	41	125 × 1.0 × 22.23	CA60Q-BFPX	25
34735723	41	125 × 1.3 × 22.23	CA46Q-BFPX	25
34726824	41	125 × 1.6 × 22.23	CA46Q-BFPX	25
34597630	41	125 × 2.0 × 22.23	CA30Q-BFP	25
34646366	41	150 × 1.6 × 22.23	CA46Q-BFP	25
34646367	41	178 × 1.6 × 22.23	CA46Q-BFP	25
34638765	41	230 × 2.0 × 22.23	CA30Q-BFP	25
34735722	42	125 × 1.6 × 22.23	CA46Q-BFPX	25
34646368	42	150 × 1.6 × 22.23	CA46Q-BFP	25

Tyrolit variant list **Additional cut-off variants**

Flat or depressed centre?

Form 41 is flat. Form 42 has a depressed centre. Use the profile and mounting arrangement specified for the machine and guard. Check the marked maximum speed before fitting.

For grey or ductile cast iron and for rail cutting, use the dedicated wheel families on page 4.

02 / ANGLE GRINDERS

Rough grinding wheels

For hard steel and stainless surfaces, edges and weld seams. The ceramic abrasive and bond are designed to maintain a consistent cut as the wheel wears.



Form 27 / CA24Q-BFP

4 mm for peripheral grinding. 7 mm for rough grinding. All rows below use a 22.23 mm bore and pack of 5.

DIAMETER (MM)	4 MM / TYPE NO.	7 MM / TYPE NO.
115	34401827	34401830
125	34401841	34387126
150	34401843	34401847
178	34401849	34401850
230	34401852	34387127

Technical datasheet **Tyrolit variant list** **Shop 125 × 4 mm**

COMFORT / CA24P-BFP

For grinding edges, surfaces and welds where you want a free-cutting wheel that works with less pressure.

TYPE NO.	DIMENSIONS (MM)	SPECIFICATION	PACK
34645085	178 × 7 × 22.23	CA24P-BFP	5
34611111	230 × 7 × 22.23	CA24P-BFP	5

Technical datasheet **Tyrolit COMFORT variants**

Match the wheel to the amount of metal to remove

Start with a bonded wheel for heavy weld removal. When the weld is close to profile, switch to a flap disc for blending or a finer fibre disc to refine the scratch pattern.

03 / SPECIALIST WHEELS

Foundry and rail

Use the dedicated cast-iron wheels for grey or ductile iron. For cast-steel fettling, choose the cast-steel COMFORT wheel. Rail wheels are for compatible rail cut-off machines.



Cast iron / Form 42 cut-off

TYPE NO.	DIMENSIONS (MM)	SPECIFICATION	PACK
34605362	178 × 3.0 × 22.23	CA30S-BFP	25
34605364	178 × 3.5 × 22.23	CA30S-BFP	25
34605365	230 × 3.0 × 22.23	CA30S-BFP	25
34605366	230 × 3.5 × 22.23	CA30S-BFP	25

Cast-iron cut-off datasheet

Cast iron and cast steel / Form 27 grinding

TYPE NO.	DIMENSIONS (MM)	SPECIFICATION	PACK
34650874	178 × 7 × 22.23	CA24S-BFP	5
34650875	230 × 7 × 22.23	CA24S-BFP	5
34650876	178 × 7 × 22.23	CA24P-BFP / Cast steel	5
34650932	230 × 7 × 22.23	CA24P-BFP / Cast steel	5

Cast-iron grinding datasheet **Cast-steel grinding variants**

Rail / Form 41 cut-off

TYPE NO.	DIMENSIONS (MM)	SPECIFICATION	PACK
34617164	300 × 3.5 × 20	CA24R-BFPRAIL	10
34617167	300 × 3.5 × 25.4	CA24R-BFPRAIL	10
34617165	350 × 3.8 × 20	CA24R-BFPRAIL	10
34617168	350 × 3.8 × 25.4	CA24R-BFPRAIL	10
34617166	400 × 4.3 × 20	CA24R-BFPRAIL	10
34617169	400 × 4.3 × 25.4	CA24R-BFPRAIL	10

Rail wheel datasheet

Use the correct bore and wheel diameter for the saw. Tyrolit specifies well-maintained rail cut-off machines above 5 kW.

04 / ANGLE GRINDERS

Flap discs

For edge grinding, weld dressing and blending on steel and stainless. Choose 40 grit for removal, 60 for a balance of cut and finish, or 80 for finer work.



Choose the backing and profile

27A angled and 28A flat versions use a conventional backing. The 28N C-TRIM has a trimmable core. Standard pack size is 5.

FORM	Ø × BORE (MM)	40 GRIT	60 GRIT	80 GRIT
27A	100 × 16	34576446	34576448	34576449
27A	115 × 22.23	34576529	34576530	34576551
27A	125 × 22.23	34577061	34577063	34577064
27A	150 × 22.23	34577069	34577070	34577071
27A	178 × 22.23	34577077	34577078	34577079
28A	100 × 16	34576526	34576527	34576528
28A	115 × 22.23	34576552	34576553	34576554
28A	125 × 22.23	34577065	34577066	34577067
28A	150 × 22.23	34577073	34577074	34577075
28A	178 × 22.23	34577080	34577081	34577082
28N C-TRIM	115 × 22.23	34577423	34577424	34577425
28N C-TRIM	125 × 22.23	34577427	34577428	34577429
28N C-TRIM	150 × 22.23	34577430	34577431	34577432
28N C-TRIM	178 × 22.23	34577433	34577434	34577435

Technical datasheet **Standard variants** **Shop C-TRIM**

Internal-thread flap discs

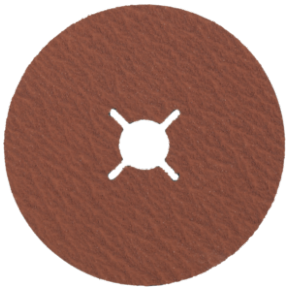
Six threaded variants are listed separately by Tyrolit. Check the spindle thread before ordering.

Threaded flap disc variants

05 / ANGLE GRINDERS

Vulcanised fibre discs

Use CA-P94 for weld removal, surface grinding, deburring and rust removal on hard steel and stainless. A cooling layer helps limit heat build-up.



CA-P94 / pack of 25

Ø × BORE	MAX RPM	24 GRIT	36 GRIT	40 GRIT	60 GRIT	80 GRIT	120 GRIT
115 × 22	13,300	34486168	34486170	34486193	34486194	34486195	34486196
125 × 22	12,300	34486197	34486199	34486201	34486202	34486204	34486205
150 × 22	10,200	—	34537494	—	—	—	—
180 × 22	8,600	34486206	34486207	34486209	34486211	34486214	34486217

Technical datasheet

CA-P94 / pack of 50

Ø × BORE	MAX RPM	24 GRIT	36 GRIT	40 GRIT	60 GRIT	80 GRIT	120 GRIT
115 × 22	13,300	34480494	34480447	34480448	34480449	34480450	34480471
125 × 22	12,300	34480472	34480473	34480474	34480475	34480476	34480477
180 × 22	8,600	34480478	34480479	34480480	34480491	34480492	34480493

Technical datasheet

Backing pad and grit selection

Use a compatible backing pad and follow the lower speed limit of the disc and pad. Use 24-60 grit for stock removal and 80-120 grit for refining the scratch pattern. Dimensions in the tables are in millimetres.

06 / ANGLE GRINDERS AND STATIONARY BELT GRINDERS

Fibre discs and belts

Choose by material and machine. Natural fibre has a trimmable core, CA-P95 covers steel and nonferrous metals, and CA-P94 belts fit stationary grinders.

Natural fibre discs

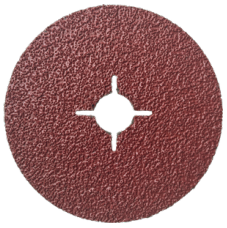


36 grit for coarse work on steel and stainless, including weld removal and deburring. Trim the core only as directed by Tyrolit.

TYPE NO.	Ø × BORE (MM)	GRIT	MAX RPM	PACK
34617406	115 × 22	36	13,300	10
34617421	125 × 22	36	12,250	10
34617422	180 × 22	36	8,600	10

Natural fibre datasheet

CA-P95 fibre discs



Shaped ceramic grain for levelling welds and grinding out defects on steel, and for grinding nonferrous metals including aluminium.

CA-P95 sizes, grits and type numbers

CA-P94 ceramic belts



For steel and stainless on a stationary belt grinder. Use 24-40 grit for stock removal and 60-80 for a finer scratch pattern. Pack of 10.

WIDTH × LENGTH	24 GRIT	36 GRIT	40 GRIT	50 GRIT	60 GRIT	80 GRIT
75 × 2000	34572498	34571573	34572499	34572500	34572511	34572512
150 × 2000	34572517	34572520	34572532	34572533	34572534	34572535

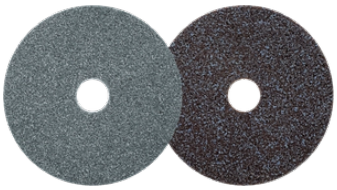
Belt technical datasheet

Belt dimensions are in millimetres. Match the belt width and length to the machine.

07 / DEBURRING AND SURFACE PREPARATION

Unitised compact wheels

Layered ceramic non-woven abrasives for deburring, smoothing transitions and refining surfaces. Tyrolit lists these families for metals and plastics.

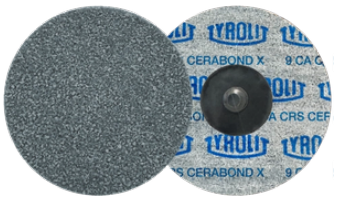


Unitised compact wheels

For edges, weld seams and surface preparation. Choose a wheel and mounting arrangement for your angle, straight or floorstanding grinder.

26 TYPE NUMBERS

Dimensions, fittings and ordering codes



Unitised Quick-Change

For small areas and transitions. Fits a compatible Quick-Change holder on a mini angle grinder.

4 TYPE NUMBERS

Dimensions, fittings and ordering codes



PRE-POLISH unitised wheels

For smoothing marks and preparing a surface for final polishing. Fits compatible angle grinders.

4 TYPE NUMBERS

Dimensions, fittings and ordering codes

Medium or coarse?

Tyrolit recommends 6 CA Medium for deburring and blending transitions, and 9 CA Coarse for edge rounding and weld seams. Check the available grade, fitting and maximum speed for the exact variant.

Tyrolit unitised wheel application guide