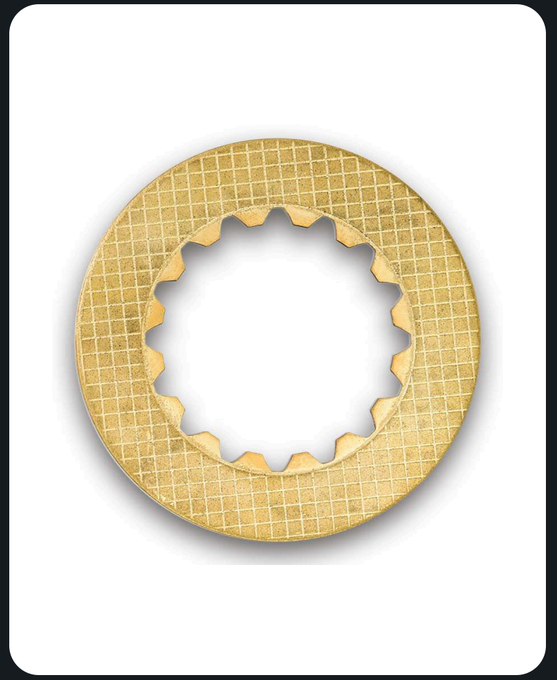
POWDER METALLURGY · SINTERED COMPONENTS

Small parts. Big applications.

A product portfolio of sintered metal, bronze and carbide components across 14 application groups.









PRODUCT PORTFOLIO 2026

CONTENTS

14 product groups

01



Spherical Bronze Filters & Silencers

02



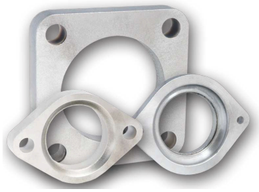
Bronze-Based Bearing Bushings

03



Pump & Power-Steering Parts

04



Exhaust Flanges

05



Automotive & Vehicle Parts

06



Magnetic Parts

07



Electrical Parts

08



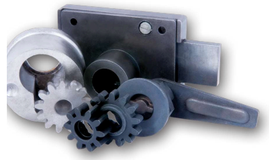
Decorative & Fencing Elements

09



Mechanical Engineering

10



Locking Systems

11



Power Tools

12



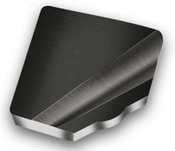
Structural Parts

13



Multi-Plate Friction Discs

14



Hard Metals (Carbides)

GROUP 01

Spherical Bronze Filters & Silencers

Porous elements for filtration and noise reduction in pneumatic systems.



KEY POINTS TO SPECIFY

- Working fluid and temperature
- Porosity / required flow rate
- Shape, dimensions and connection

Spherical Bronze Filters & Silencers

Examples



Tubular bronze filter element



Cylindrical bronze filters



Ring-shaped bronze filter



Spherical bronze filters & silencers



Bronze disc filters



Conical bronze silencers

GROUP 02

Bronze-Based Bearing Bushings

Bearing bushings that guide and support rotating or sliding elements.

KEY POINTS TO SPECIFY

- Inner and outer diameter with tolerances
- Load, speed and lubrication
- Length and mounting conditions



GROUP 03

Pump & Power-Steering Parts

Sintered parts for pump mechanisms and hydraulic power steering, made to a functional drawing.

KEY POINTS TO SPECIFY

- Profile and critical clearances
- Working medium and pressure
- Hardness and surface requirements



Pump & Power-Steering Parts



Distributor disc



Thrust plate



Pump impeller



Valve parts



Pump mechanism coupling

Pump & Power-Steering Parts



Rotor



Pump gear



Piston



Pump gear pair



Distributor

GROUP 04

Exhaust Flanges

Connecting parts for exhaust systems, with geometry matched to the assembly.

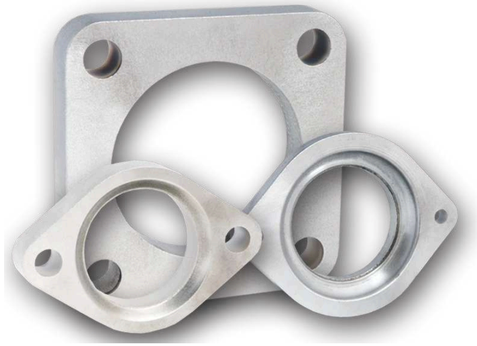
KEY POINTS TO SPECIFY

- Mounting holes and sealing surface
- Operating temperature and corrosive environment
- Material and coating

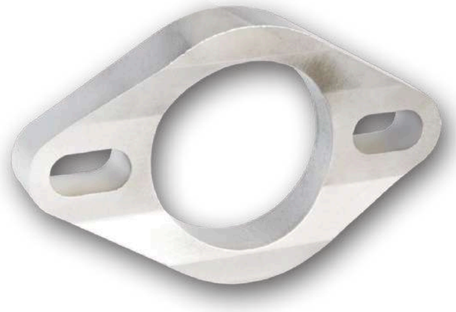


Exhaust Flanges

Examples



Exhaust system flanges



Exhaust flange — variant 1



Exhaust flange — variant 2

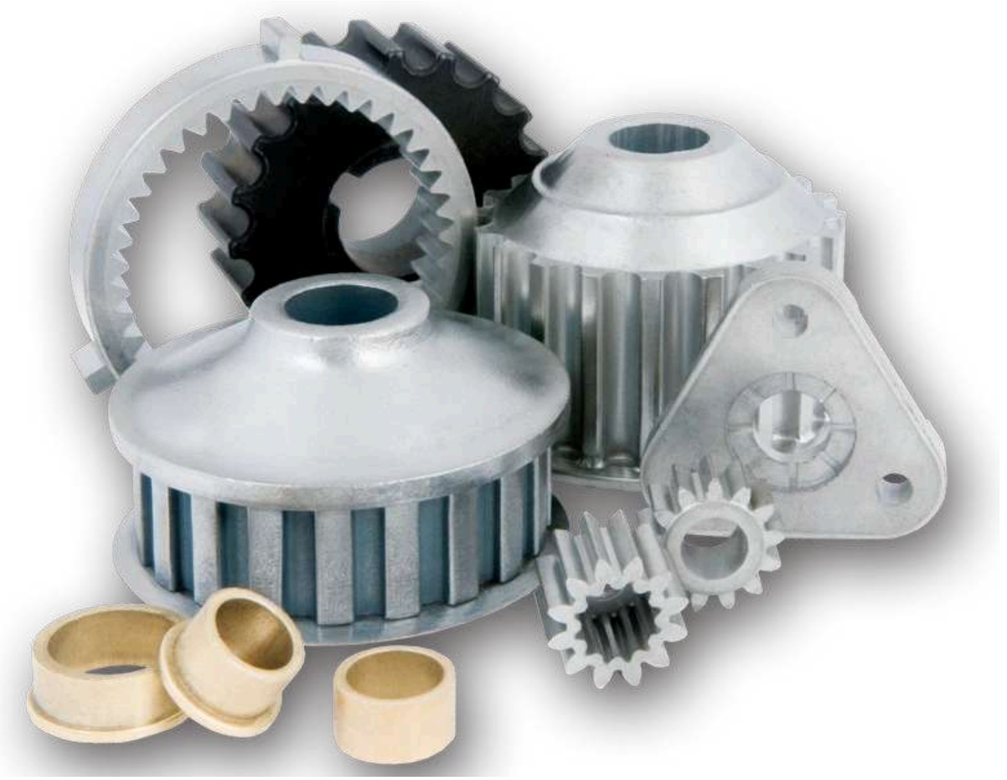


Exhaust flange — variant 3

GROUP 05

Automotive & Vehicle Parts

Metal components for car and vehicle assemblies. Requirements depend on the specific application.



KEY POINTS TO SPECIFY

- Function and load
- Critical dimensions and tolerances
- Testing and traceability requirements

Automotive & Vehicle Parts



Planetary carrier



Cup-shaped parts



Shock absorber piston



Belt pulley — variant 2



Water pump impeller



Graphite-copper brake shoe

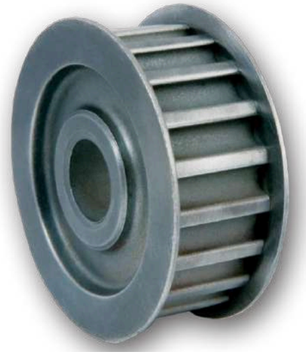


Connecting rod

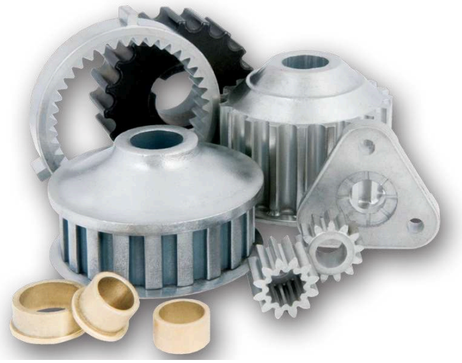
Automotive & Vehicle Parts



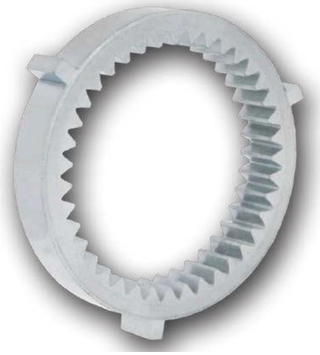
Belt pulley



Belt pulley — variant 3



Automotive gears & pulleys



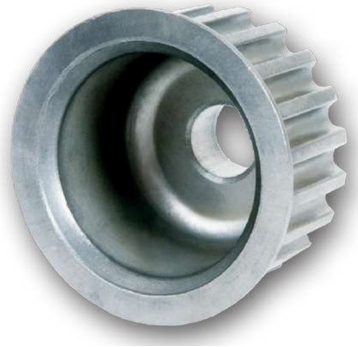
Internal gear



Shock absorber cap



Flanged bushings



Belt pulley — variant 4

GROUP 06

Magnetic Parts

Parts for magnetic applications; the material is selected for the required characteristics.

KEY POINTS TO SPECIFY

- Magnetic characteristics
- Frequency and operating temperature
- Geometry and insulation requirements



Magnetic Parts

Examples



Magnetic part — variant 5



Magnetic part — variant 2



Magnetic system extension



Pole shoe



Magnetic system armature



Magnetic part — variant 3



Magnetic part — variant 4



Magnetic part

GROUP 07

Electrical Parts

Parts for electrical machines: poles, bushings, gears and other components per application.

KEY POINTS TO SPECIFY

- Required conductivity and operating current
- Material and contact surfaces
- Heating and connection conditions



Electrical Parts



Pole piece — variant 4



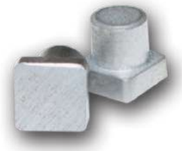
Pole piece



Commutator bushing — variant 3



Pole piece — variant 2



SDS pin

Electrical Parts



Gear for electrical mechanism



Fan bushing



Pole piece — variant 3



Commutator bushing — variant 2



Commutator bushing

GROUP 08

Decorative & Fencing Elements

Decorative metal elements for fences and architectural applications.

KEY POINTS TO SPECIFY

- Geometry and mounting
- Indoor or outdoor environment
- Decorative and anti-corrosion coating



Decorative & Fencing Elements



Hinge



Decorative vase



Drain grate



Fence base



Decorative spear — variant 1



Decorative spear — variant 2

Decorative & Fencing Elements



Decorative “anchor” element



Vase base



Spherical decorative finial



Decorative spear — variant 4



Decorative spear — variant 3

GROUP 09

Mechanical Engineering

Components for machines and mechanisms, developed to a specific technical brief.

KEY POINTS TO SPECIFY

- Drawing and function in the assembly
- Material and working load
- Tolerances and secondary operations



Mechanical Engineering



Bushing — variant 2



Gear — variant 2



Mechanism wheel



Gear cluster



Handle cam



Closing part



Ring parts

Mechanical Engineering



Shaft pinion



Counter plate



Pulse switch part



Pinion



Bushings



Friction shoe



Stop / limiter

Mechanical Engineering



Gear



Gear with hub



Gear sector



Ratchet wheel



Mechanism lug



Mechanism cam



Gear — variant 4

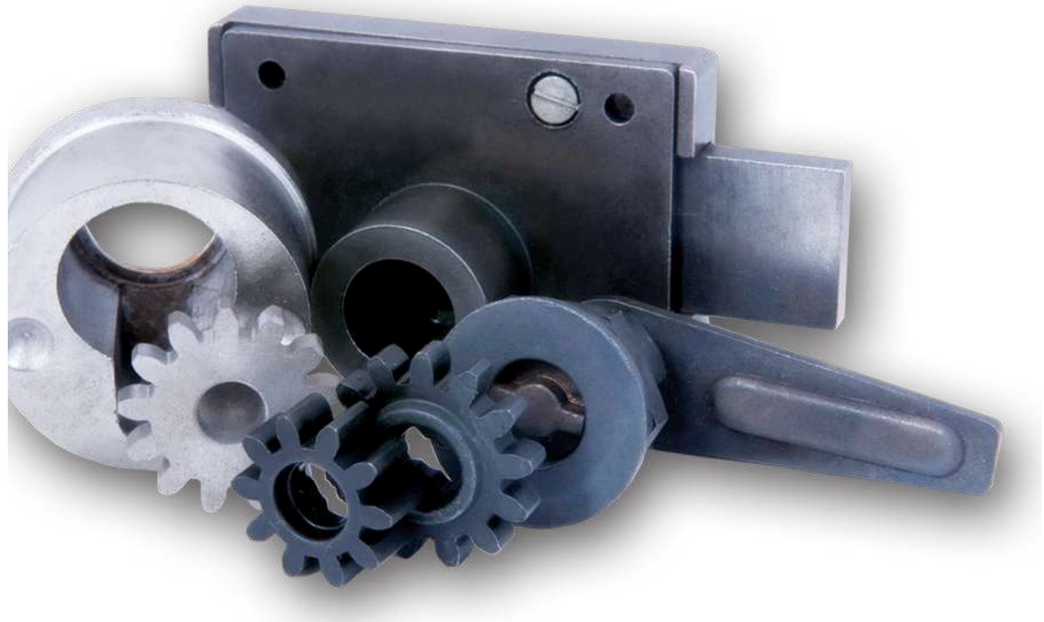
GROUP 10

Locking Systems

Profiled components and parts for locking mechanisms.

KEY POINTS TO SPECIFY

- Profile and mounting dimensions
- Wear and service life
- Material and coating



Locking Systems



Locking cam



Gears — variant 2



Handle



Nut



Guide



Gears



Lock

Locking Systems



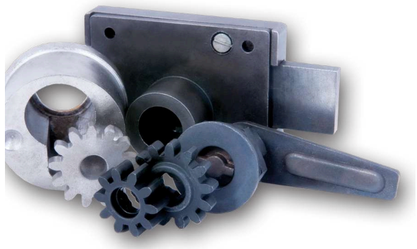
Lock housing part



Lock mechanism cam



Torque cam



Locking system parts



Lock mechanism plate



Lock mechanism components

GROUP 11

Power Tools

Parts for power-tool mechanisms, matched to the geometry and load of the assembly.

KEY POINTS TO SPECIFY

- Tooth profile / coupling dimensions
- Speed, load and lubrication
- Hardness and heat treatment



Power Tools



Power tool disc



Impact bodies



Impact body — variant 2



Support



Gear blank



Impact body

Power Tools



Locking sleeve



Ring gear



Splined coupling



Washer



Front support

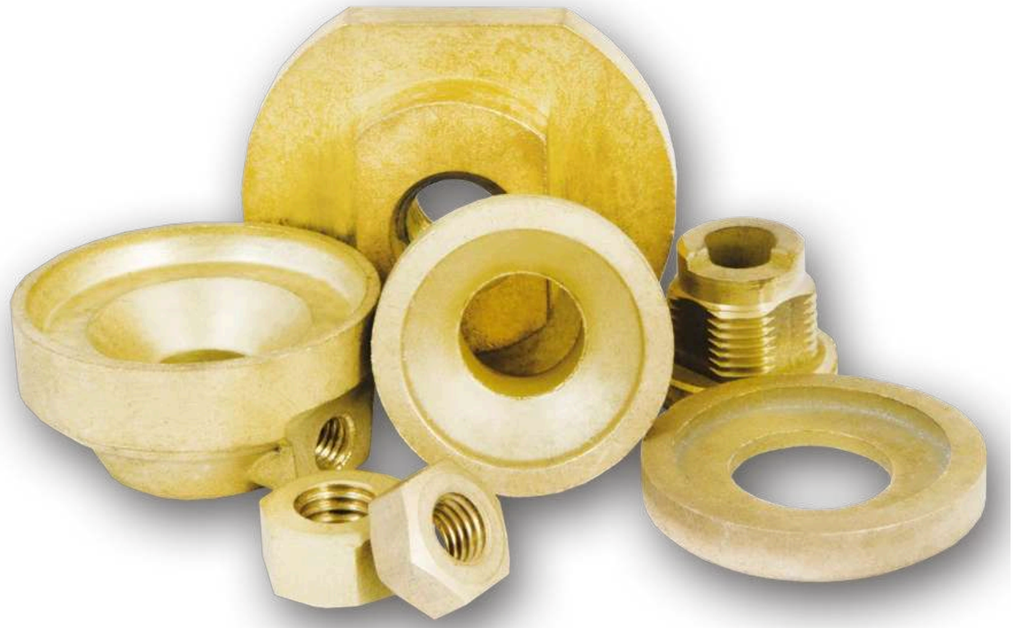
GROUP 12

Structural Parts

Structural elements with shape and functional surfaces made to drawing.

KEY POINTS TO SPECIFY

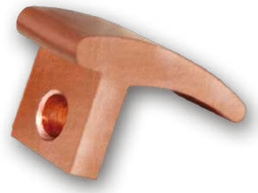
- Loads and critical sections
- Density / mechanical requirements
- Holes, tolerances and mounting



Structural Parts



Grounding plate



Pin — variant 2



Nut



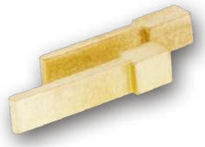
Lever



Plate — variant 2



Structural parts



Pin



Nuts — variant 2

Structural Parts



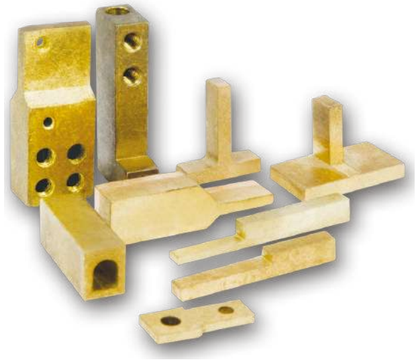
Terminal parts — variant 2



Cup-shaped part



Pin with threaded element



Terminal parts



Cap-shaped part



Plate



Terminal part — variant 3

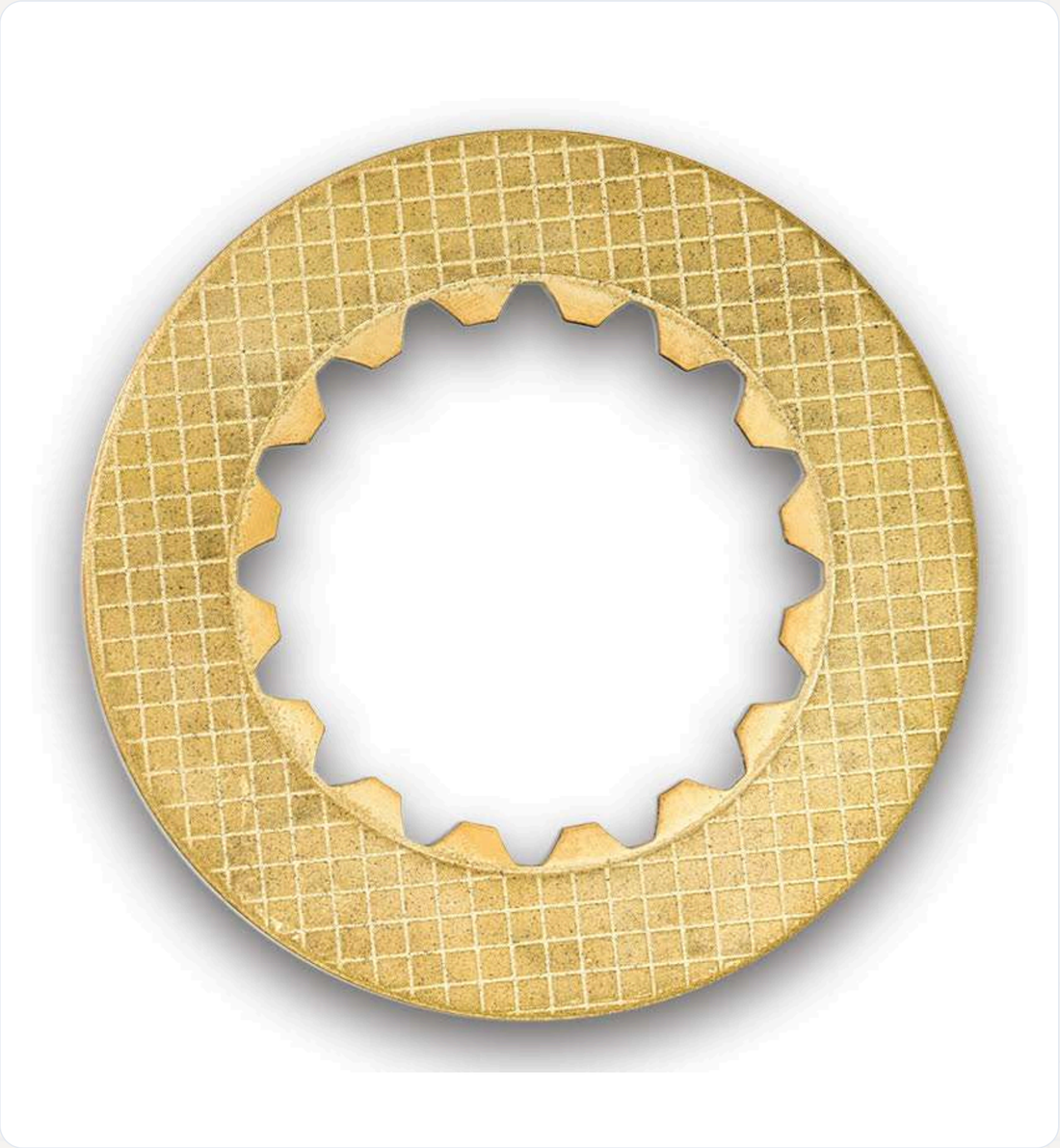
GROUP 13

Multi-Plate Friction Discs

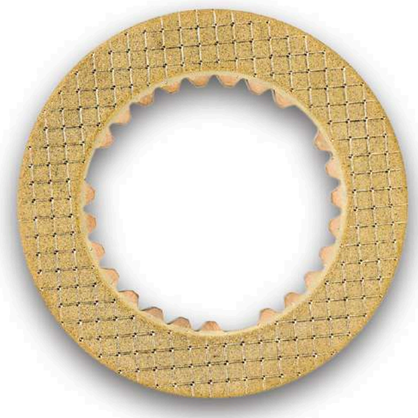
Disc components for friction assemblies; material and surface are agreed for the specific duty.

KEY POINTS TO SPECIFY

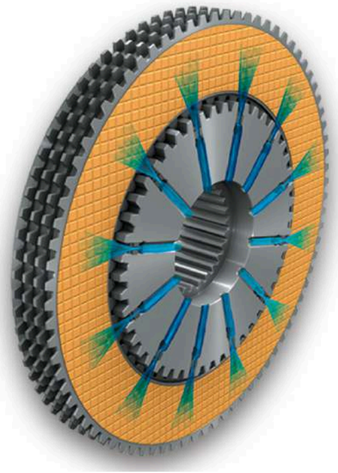
- Dimensions and spline profile
- Wet or dry operation
- Material, friction and temperature range



Multi-Plate Friction Discs



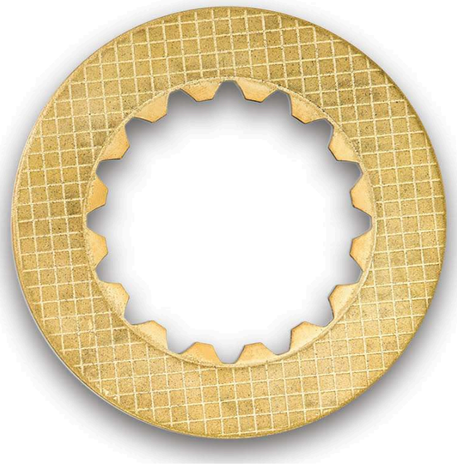
Friction disc with internal teeth



Friction disc stack



Friction disc with external teeth



Friction disc — front view

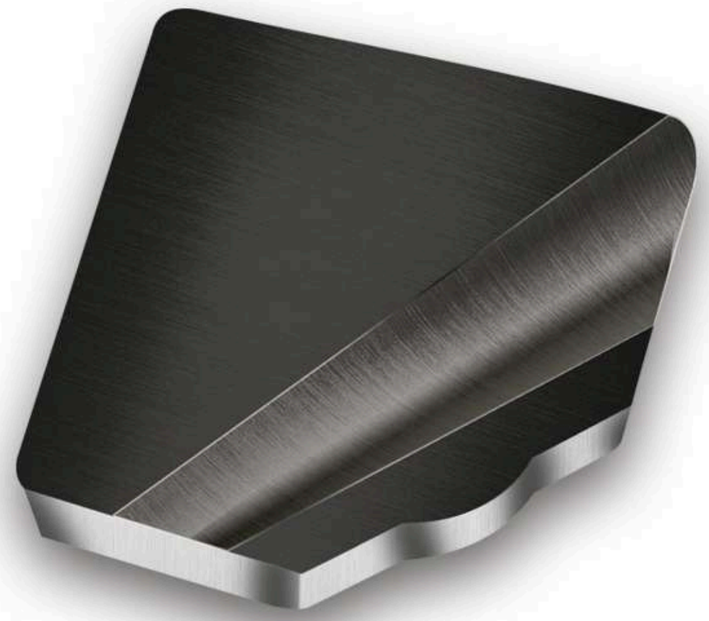
GROUP 14

Hard Metals (Carbides)

Cemented-carbide products for applications demanding hardness and wear resistance.

KEY POINTS TO SPECIFY

- Carbide grade
- Geometry and tolerances
- Working environment and required finishing

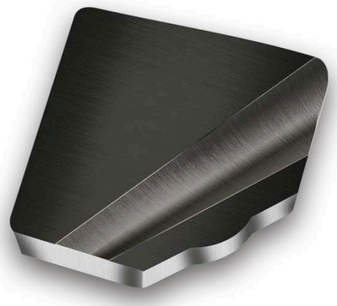


Hard Metals (Carbides)

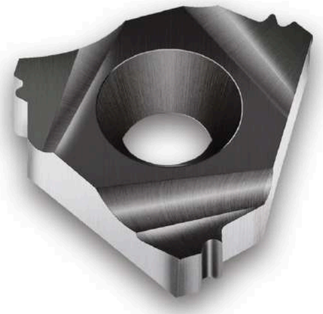
Examples



Tools with carbide inserts



Carbide cutting insert



Carbide insert with hole



Carbide insert — variant

FROM DRAWING TO PRODUCTION

Every part is made to your specification.

01

Your drawing

Dimensions, tolerances, material and quantity.

02

Technical review

Geometry, operating environment and critical characteristics.

03

Tailored quote

Tooling, batch size and lead times.

04

Agreed production

Manufacturing to the agreed specification.

Images show archive examples. Material, dimensions and finishing of each order are defined by the technical brief.