

Do you have other
needs ?

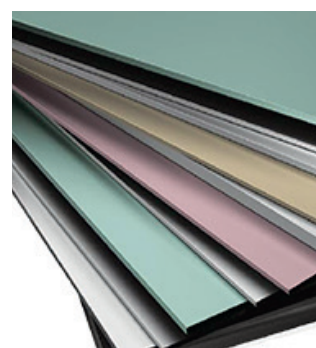
Rabourdin also offers :



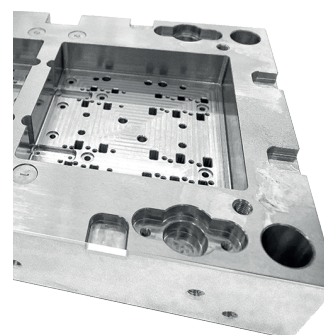
Special screws



Non-standard offer



Insulating plates



Mold bases



Injection systems



Standard parts

You can find all our product brochures on www.rabourdin.fr/en



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TREATMENTS & COATINGS

NITRIDING, CARBURISING, DYNACRON, ANNEALING...



HEAT TREATMENT & DYNACRON COATING

Functionalising a surface means giving it a quality in order to fulfil a function... and to do this, a surface treatment is required !

Cementation Carbonitriding

Carbon enrichment depth 0.1 to 5mm to increase hardness, wear resistance and fatigue resistance.



Annealing - Stabilisation

Ensures good dimensional stability and improves fatigue resistance by eliminating irregularities in the structure.



Tempering under atmosphere - vacuum

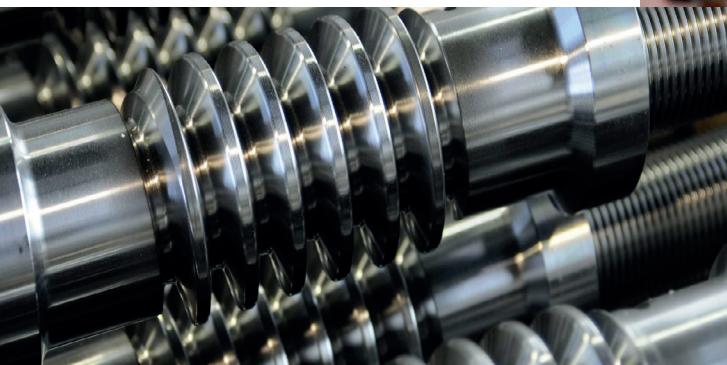
Improvement of mechanical properties (tensile strength, yield strength, resilience).



Nitriding

Types: Ionic assisted Plasma - Gaseous - Vacuum - TENIFER QPQ process

Nitrogen enrichment 0.01 to 0.8mm to increase hardness and promote sliding and corrosion resistance.



Exclusively
for Europe

Dynacron, developed for and by NASA, does not alter the dimensional characteristics of the part and does not add any contaminants to the surface. Its coefficient of friction of 0.03 allows it to eliminate the stick-slip phenomenon. This formulation improves the friction resistance of parts.

MATERIALS WORKED ON :

- Steels, Alloyed steels
- Cast iron
- Light alloys, Copper alloys
- Plastic
- Stainless steel

Shoulder screw 1024-1034

Application of a Dynacron WS2 coating on the best-selling RABOURDIN brand for more efficient applications and a range of uses even better adapted to today's demanding environments.



The advantages of Dynacron on the shoulder screw :

Ecological, inert and non-toxic :
- Doesn't crack
- Doesn't crumble

Temperature of use between
-188°C and +538°C.

Improves corrosion
resistance.

1300 MPa
Class 12.9 or
1050 MPa

Dry use without additional
lubrication.
Compatible with other
lubricants even aggressive.

Avoid gluing and
binding the screw.

MULTIPLE APPLICATIONS :



SPATIAL



AERONAUTICS



DEFENCE



INDUSTRY



OIL



AUTOMOTIVE



MEDICAL



ALIMENTARY