

corepoint[®] pivots



FOR HIGH PRECISION
INSTRUMENT BEARINGS
AND ALL HIGH CLASS
ENGINEERING APPLIANCES
IN SWISS QUALITY BY

**SCHNEIDER
HEGI AG** 

corepoint[®] pivots

Composition

Co, Ni, Cr, Fe, W, Mo	as main elements
with Ti, Mn, Be, Si and C	as admixtures (additions)

Elastic Properties

Moduls of Elasticity	215 000 - 230 000 N/mm ²	30,5 x 10 ⁶ - 32,7 x 10 ⁶ PSI
Moduls of Shear	80 000 N/mm ²	11,4 x 10 ⁶ PSI
Elastic Limit	1 800 - 2 200 N/mm ²	255 000 - 312 000 PSI
Tensile Strength	2 000 - 2 500 N/mm ²	326 000 - 355 000 PSI

Physical Properties

Hardness max.	770 - 820	Vickers
Specific Gravity	8,2	g/cm ³
Specific Resistance	1,0 x 10 ⁻⁴	Ω cm
Temperature Coefficient of Resistance	0,23 x 10 ⁻³	per °C
Linear Expansion	13 x 10 ⁻⁶	per °C
Magnetic Permeability	1.001	
The Corepoint strengths are almost constant in the temperature range		
- 58° F to 842° F (- 50° C to 450° C)		

Corrosion Stability

Corrosion proof against all acids. Except moderate to high corrosion by aqua regia (HCL+HNO₃) 3:1, hydrofluoric acid (HF), caustic hydrate of soda (NAOH) and caustic potash (KHO) to 370° C, sulphuric above 50 % over 60° C, bromine.

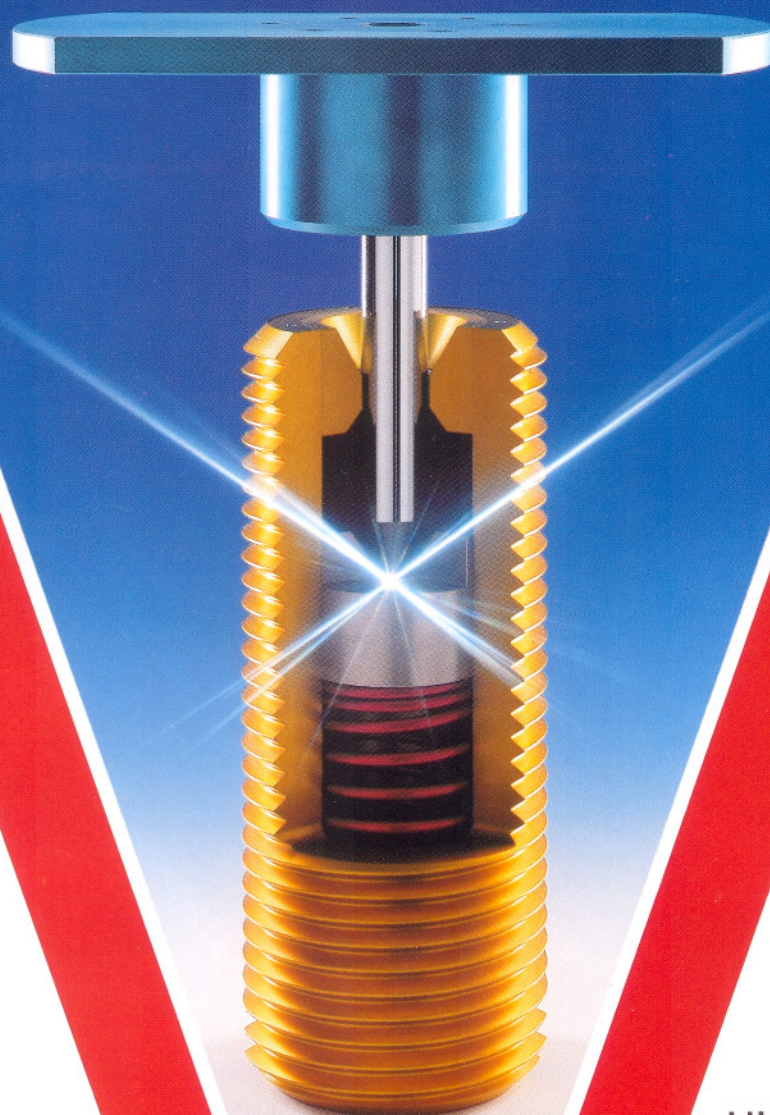
Welding and brazing

Use Castolin 197 with binder 159 A for brazing. For an absolutely corrosinresistant brazed joint precious metal brazing solders with melting points around 1100° C will give best results.

Dimensions

Corepoint-parts are being manufactured up to a maximum diameter of 1,5 mm (.059").

**SCHNEIDER
HEGI AG**



DÉCOLLETAGES,
TAILLAGES, PIVOTS,
DE HAUTE PRÉCISION,
QUALITÉ  SUISSE,
POUR INSTRUMENTS
ET APPAREILS

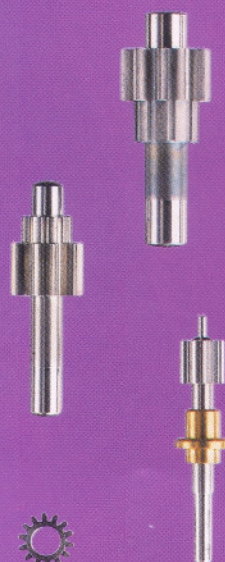
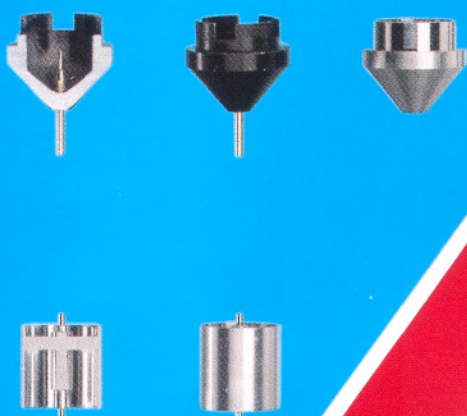
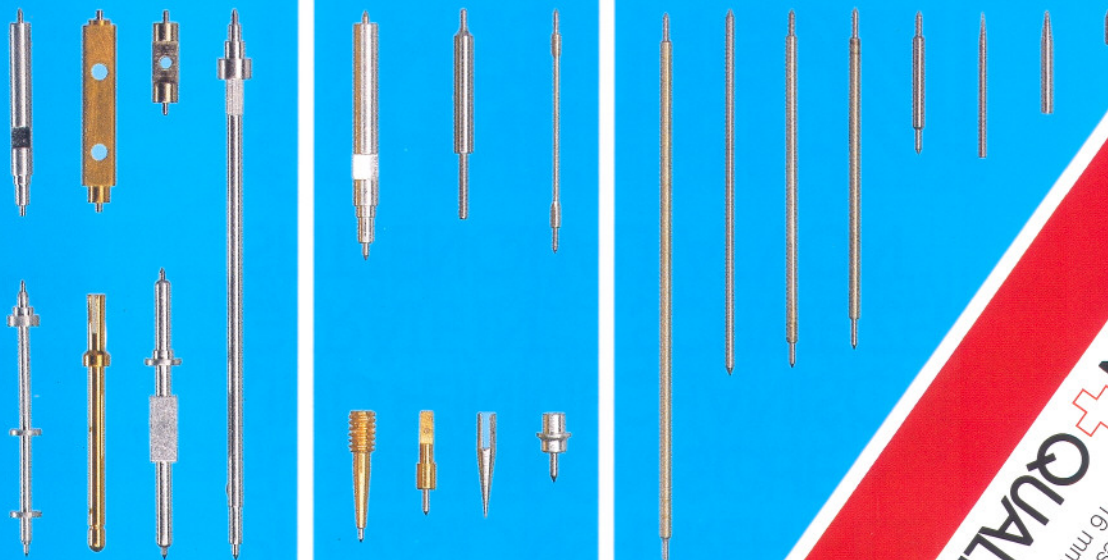
HIGH PRECISION
TURNED PARTS,
PIVOTS,
IN SWISS  QUALITY,
FOR INSTRUMENTS
AND APPARATUS

PRÄZISIONS-DREHTEILE
FÜR ELEKTRONISCHE
UND FEINMECHANISCHE
GERÄTE IN  SCHWEIZER
SPITZENQUALITÄT VON

**SCHNEIDER
HEGI AG** 

PRÄZISION + QUALITÄT

Hier sehen Sie Beispiele aus
unserem reichhaltigen Herstellungsprogramm.
Wir fertigen diese Teile ausschließlich
nach Kundenzeichnungen. $\varnothing 0,01 - 16 \text{ mm}$.



▷ Drehteile aller Art



▷ Décolletages de tous genre



▷ All kinds of precision parts



▷ Drehteile für den Instrumentenbau



▷ Décolletages pour instruments



▷ Parts for instruments



Voici quelques exemples de
notre vaste programme de production.
Nous fabriquons essentiellement ces pièces
selon les plans des clients. $\varnothing 0,01 - 16 \text{ mm}$.

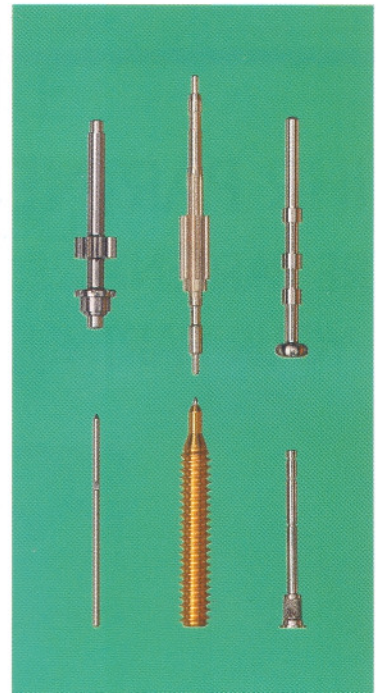
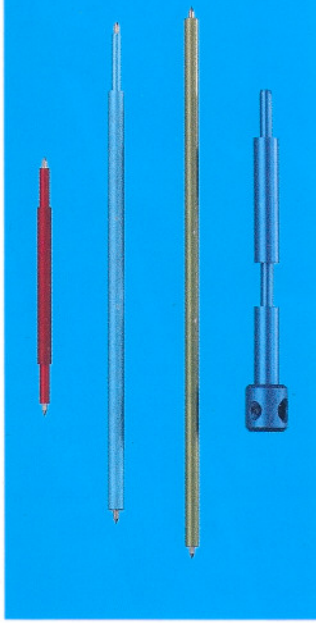
PRÉCISION+QUALITÉ

Here are a few examples of our wide manufacturing programme.

PRECISION+QUALITY

We produce components exclusively to customers
drawings. $\varnothing 0,01 - 16 \text{ mm}$.

▽ Drehteile für den Apparatebau
▽ Décolletages pour appareils
▽ Parts for apparatus



Verlangen Sie für
Nivapoint-Lagerspitzen
unseren Spezialprospekt.

Demandez notre
prospectus spécial traitant
des pivots Nivapoint.

Ask for our
special infor-
mation sheets
on Nivapoint-
Pivots.

COREPOINT® Pivots

for High Precision
Instrument Bearings
and all High Class
Engineering Appliances

- Non-magnetic
- Corrosion-proof
- High compressive strength
- No wear

COREPOINT® Lagerspitzen

für Feinstlagerung
in Instrumenten und
feinmechanischen
Geräten

- antimagnetisch
- korrosions-
beständig
- druckfest
- rostfrei

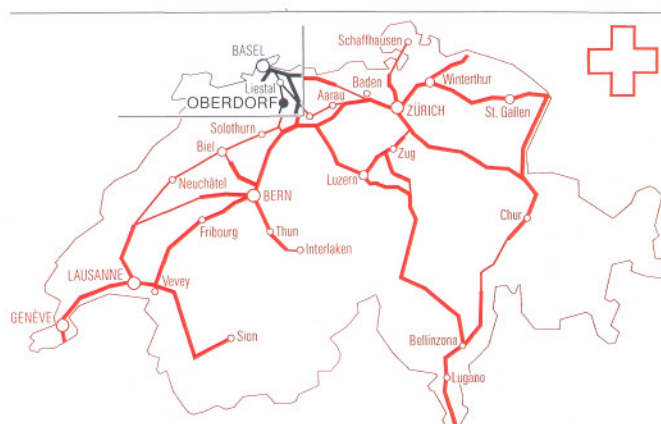
Pivots COREPOINT®

utilisée dans les
instruments
de mesure
et tous appareils mé-
caniques de précision

- Non magnétique
- Sans oxyde
de friction
- Haute résistance
- Inoxydable

Wir sind ein dynamisches, leistungsfähiges, mittel-
grosses Unternehmen mit über hundertjähriger
Erfahrung. In unserer Region hat feinmechanische
Präzisionsarbeit Tradition. Qualifizierte Mitarbeiter und
modernste kurven- und CNC-gesteuerte Maschinen
bürgen für die hohe Qualität der Schneider-Hegi-
Erzeugnisse. Wir sind spezialisiert auf kleine Drehteile
im Grössenbereich von 0,01 bis 16 mm und auf kleine
Serien, die wir nach Kundenzeichnungen anfertigen.
Wir sind eingerichtet zur Bearbeitung von Spezial-
legierungen wie Nivapoint. Wir liefern Präzision und
Schweizer Qualität rund um die Welt.

Nous sommes une entreprise dynamique et capable,
avec une expérience de plus de cent années.
Dans notre région, les travaux de mécanique de haute
précision sont une longue tradition. Nos spécialistes
qualifiés et les machines à commande linéaire et CNC
assurent la haute qualité des produits Schneider-Hegi.
Nous sommes spécialisés dans l'exécution de petites
pièces de décolletage dans les dimensions de 0,01 à
16 mm, ainsi que pour de petites séries que nous
fabriquons selon les dessins de nos clients. Nous
sommes équipés pour le traitement des alliages
spéciaux, comme Nivapoint. Notre précision et haute
qualité suisse sont exportées dans le monde entier.



We are a dynamic and efficient medium-sized enterprise
with over one hundred years' experience. In our region,
there is a long tradition of fine-mechanical precision
work. Qualified co-operators and up-to-date cam-
controlled and CNC-controlled machines guarantee the
high standard of quality of the Schneider-Hegi products.
We are specialized in small-sized turned parts within a
range of 0.01 to 16 mm, and in small series produced to
customers' drawings. We are equipped to process
special alloys, such as Nivapoint. Our precision products
and Swiss quality are appreciated all over the world.

IHR PARTNER FÜR PRÄZISIONS-DREHTEILE
VOTRE PARTENAIRE POUR DÉCOLLETAGES DE HAUTE PRÉCISION
YOUR PARTNER FOR HIGH PRECISION TURNED PARTS

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Put our capabilities to the test.

You can rely on us to find the optimum solution to your design problem.



For example:

—→ **Strict tolerance limits** are no problem for us.

Our state-of-the-art manufacturing facilities guarantee consistent quality and we will also supply the measurement records on request.

—→ **Short delivery times** are always possible for us.

Because as well as cutting we can also carry out hardening, centerless grinding, gearwheel cutting, tumbling, polishing, vibratory grinding and assembly in-house, all under one roof so to speak.

—→ **Our manufacturing facilities** are extremely diverse.

We are able to cut in diameters between 0,2 and 12 mm; in lengths from 0,1 to approximately 150 mm. Centerless grinding in diameters from 0,2 to 16 mm; in lengths of up to 3,0 m.

We process non-ferrous metals, aluminium, hardenable steel, stainless steel, high-alloyed tool steel including special treatments as well as Nivapoint (800 Vickers hardness) for pivot points and axles.

—→ **We manufacture cost-effectively** at competitive prices.

We minimise manufacturing costs often by developing turned parts in conjunction with our customers. In this way the requirements imposed by the design can be optimally adapted to the manufacturing facilities.

Our many years of experience in the manufacture of precision electronic components and precision mechanical equipment, qualified staff and state-of-the-art machinery are at your disposal. Give us a call.

—→ **SCHNEIDER
HEGI AG**

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