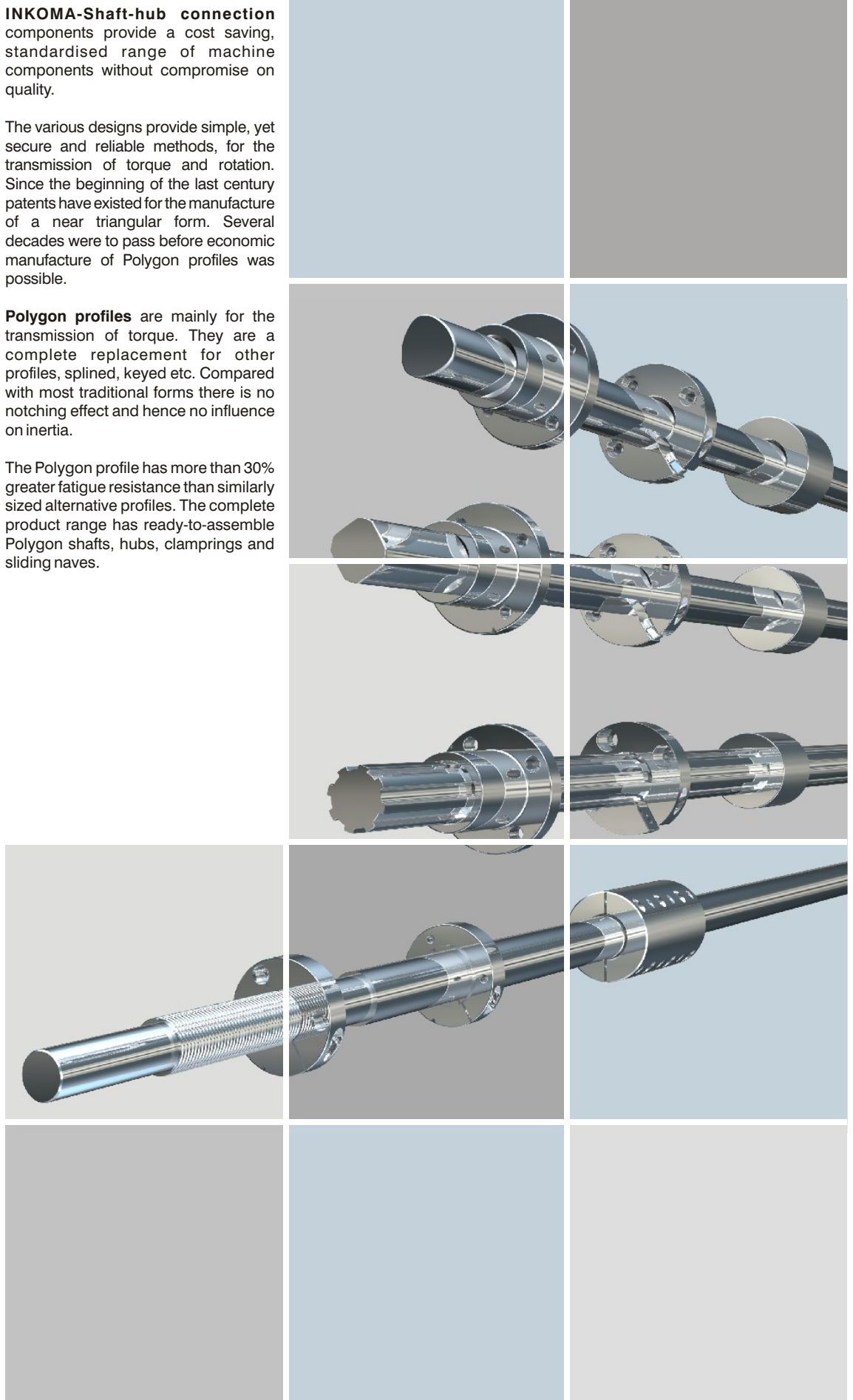


INKOMA-Shaft-hub connection components provide a cost saving, standardised range of machine components without compromise on quality.

The various designs provide simple, yet secure and reliable methods, for the transmission of torque and rotation. Since the beginning of the last century patents have existed for the manufacture of a near triangular form. Several decades were to pass before economic manufacture of Polygon profiles was possible.

Polygon profiles are mainly for the transmission of torque. They are a complete replacement for other profiles, splined, keyed etc. Compared with most traditional forms there is no notching effect and hence no influence on inertia.

The Polygon profile has more than 30% greater fatigue resistance than similarly sized alternative profiles. The complete product range has ready-to-assemble Polygon shafts, hubs, clamprings and sliding naves.



P3G-Polygon profile to DIN 32711

INKOMA-P3G-Polygon profiles have the following properties:

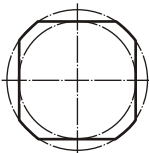
1. The P3G-Polygon profile is designed for use where stable shaft-hub connections exist. It is unsuitable for applications having axial sliding under load
2. Self centering
3. Compared with Splined profiles INKOMA-P3G-Polygon profiles have approximately 30% higher fatigue resistance
4. The shaft profile is produced by grinding
5. Both broaching and grinding are used for the manufacture of hub components
6. Extremely accurate running concentricity results when the shaft and hub are produced by grinding



P4C-Polygon profile to DIN 32712

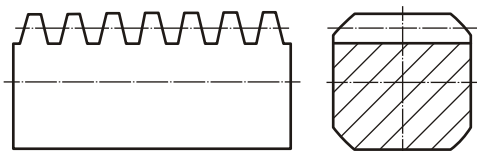
INKOMA-P4C-Polygon profiles have the following properties:

1. The P4C-Polygon profile is suitable for applications where axial sliding, with or without load, is a requirement for the shaft-hub connection, or when torque must be transmitted.
2. Self centering
3. Compared with Splined profiles INKOMA-P4C-Polygon profiles have approximately 30% higher fatigue resistance
4. P4C-Polygon shafts are supplied cold drawn or ground profile.
5. The internal profile is most economically produced by broaching. Grinding of bores is not possible.



P4C-Polygon rack:

By adding a toothed profile to the Polygon shaft the designer has an effective and completely guided axial positioning and feeding system.

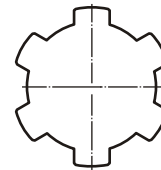


Splines similar to ISO 14

A new way of saving costs without compromising quality.

In 1975 this slogan announced the launch of a ready-to-assemble spline connection system. Since then we have grown to become the most important European manufacturer and stockist of this type of product. This success provides the stimulus for the ongoing development and improvement of the product range.

In addition to the standard range we offer made-to-drawing services for splined parts as well as broaching of both Splined and Polygon profiles.



Accessories for P3G-, P4C-Polygon and Spline shaft profiles

INKOMA-hubs:

Sliding on shafts. When used with a clamping any setting can be made permanent.

INKOMA-clampings:

Using the fixing screw and lock-nut the setting is easily converted to a fixed position.

INKOMA-sliding naves:

Sliding naves can be easily machined to custom components by or for the customer.

Accessories for plain round shafts

INKOMA-muff couplings:

For strong rigid coupling of two shafts having the same or different diameters.

INKOMA-clampings:

Clampings for plain round shafts to provide bearing supports.



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