Framo 80

sikla

The multifunctional

assembly system

with an unlimited

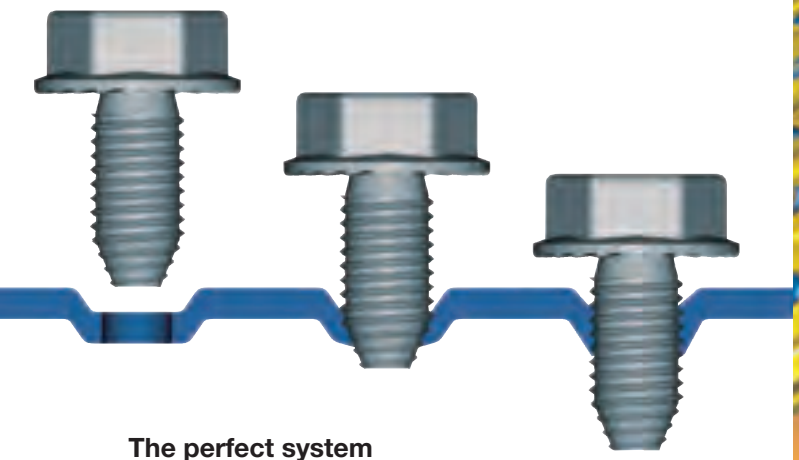
scope of application

Framo 80

Maximum flexibility – minimal installation work

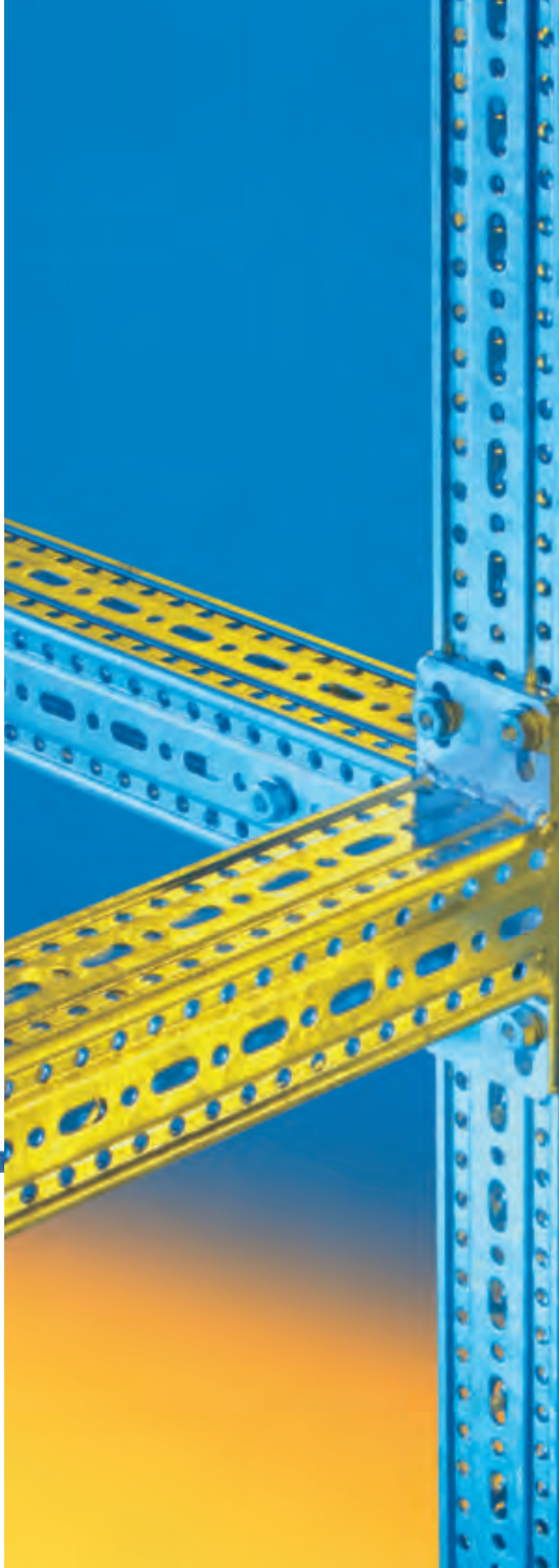
Framo 80 is a multifunctional assembly system for medium load levels, which proves its worth with unlimited three-dimensional connection options. The closed Framo profile is characterised by exceptional torsional stiffness and seamless adaption and reliably secured thanks to a form-fitting connection. The innovative connection technology guarantees optimally efficient assembly.

Just a few system components are all you need to cope with all relevant mounting situations.



The perfect system
for time-saving screw connection

Framo 80 is assembled via thread-forming tapping screws. The chipless, custom-fitted cold-work hardening of the female thread means the screw develops form closure and no longer becomes loose.



One system, many advantages

- Multifunctional and self-explanatory assembly system
- Minimum installation work
- Certified safety
- Continuous connection possible
- New technology by using thread forming screws FLS F 80
- Compatible with all Sikla mounting systems
- Swift and easy planning of standard supports thanks to “User Guidelines”
- Construction modifications can be implemented immediately on-site with no loss of time
- Reusable after disassembly
- All components have the high-quality Sikla HCP coating

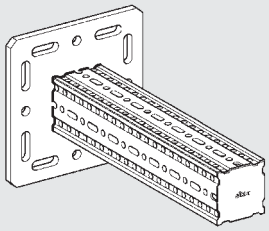
Framo 80 and Simotec pipe supports – there is nothing safer.

A first in the form of a comprehensive support system of pipe-enclosing components (pipe supports) and support construction (Framo 80) with tested and documented regulatory compliance.

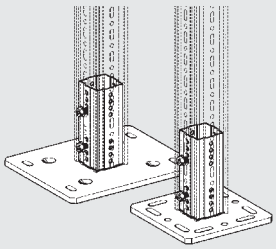
Product overview

Connecting to supporting structures – concrete, steel girders, anchoring rails, roof cladding etc.

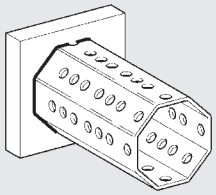
Beam Bracket TKO F 80



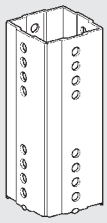
End Support WBD



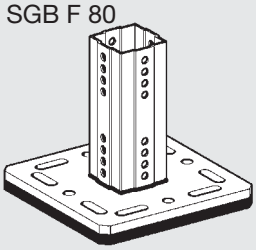
Welding Adapter
ASA F 80 GPL 100, 8kt



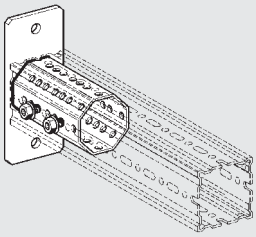
Welding Adapter
ASA F 80



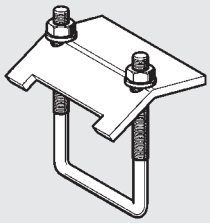
Insulated Foot Plate
SGB F 80



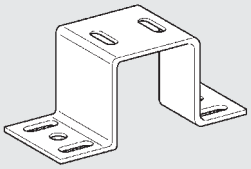
End Support STA F 80-A



U-Holder SB F 80

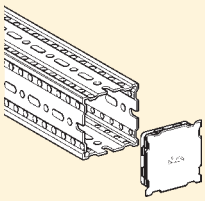


Beam Section Holder TPH F 80

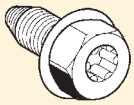


Products for interim supporting structure – In accordance with DIN EN 13480-3

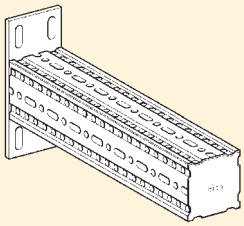
Beam Section TP F 80



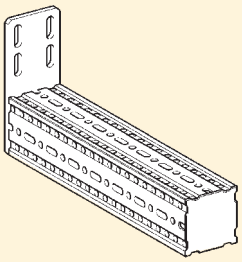
Self-forming Screw
FLS F 80



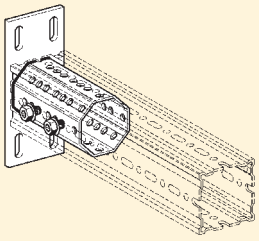
Cantilever Bracket AK F 80



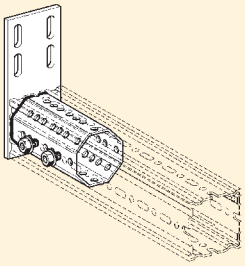
Cantilever Bracket AK F 80-E



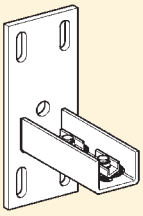
End Support STA F 80



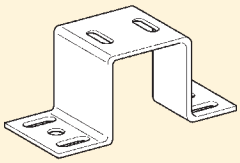
End Support STA F 80 E



Channel Adapter
SA F 80-A

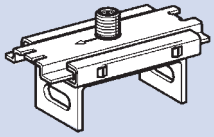


Beam Section Holder
TPH F 80-C

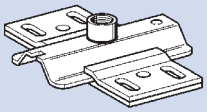


Pipe connection products – pipe support elements in accordance with DIN EN 13480-3

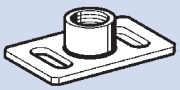
Slide set GS F 80 2G



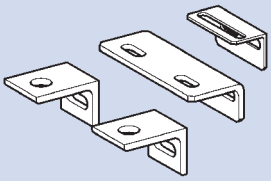
Slide set GS F 80 1G



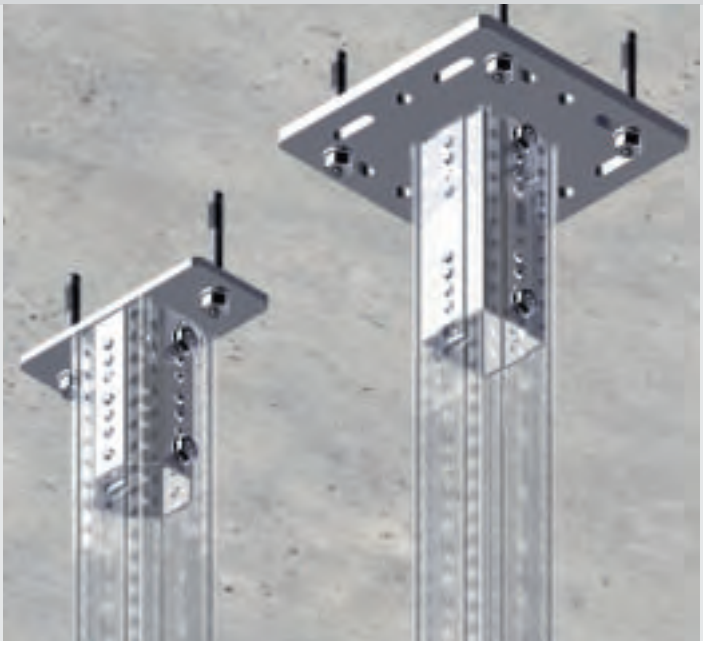
Mounting Plate GPL F 80

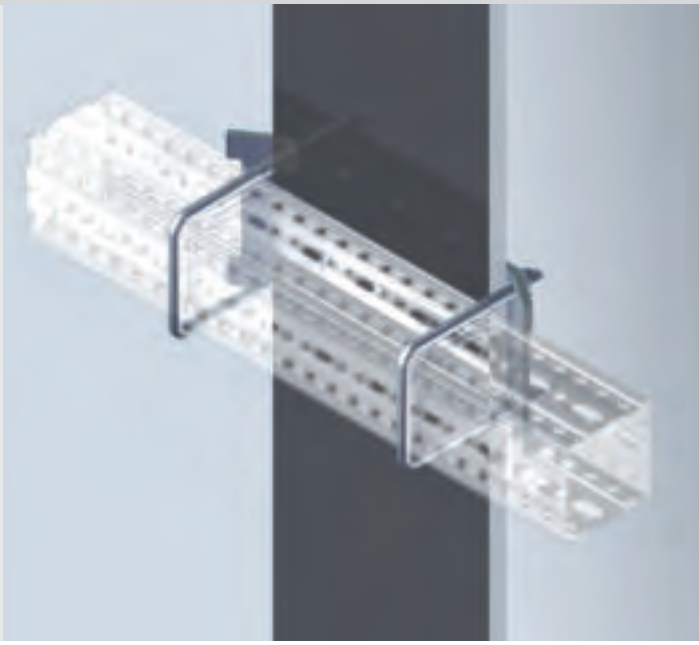


U Bolt Fastening F 80



Example applications





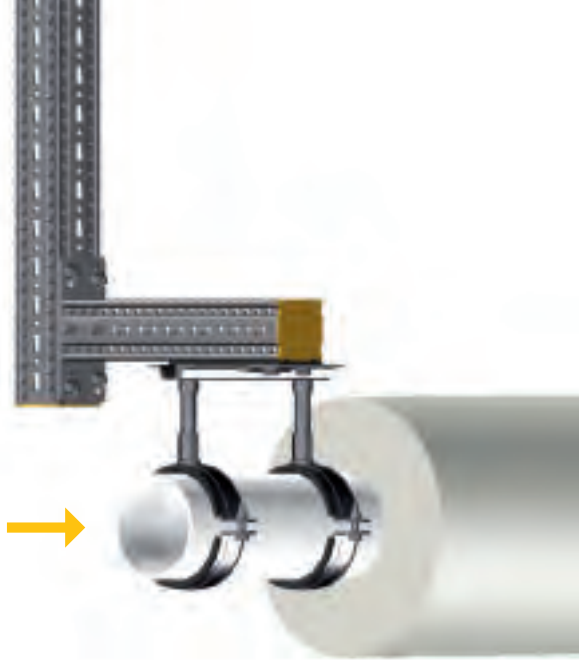
Framo 80 – a strong all-rounder with virtually unlimited scope of application

Solutions with special products

Torsional reliability

High-temperature tubing generates frictional forces in the axial direction of the pipe, which must be absorbed by the substructure. Here, if the verticals of cantilever arms are constructed using the Framo profile TP F 80, the exceptional torsional stiffness of this profile means additional diagonal bracings which would otherwise be necessary, can frequently be dispensed with, which:

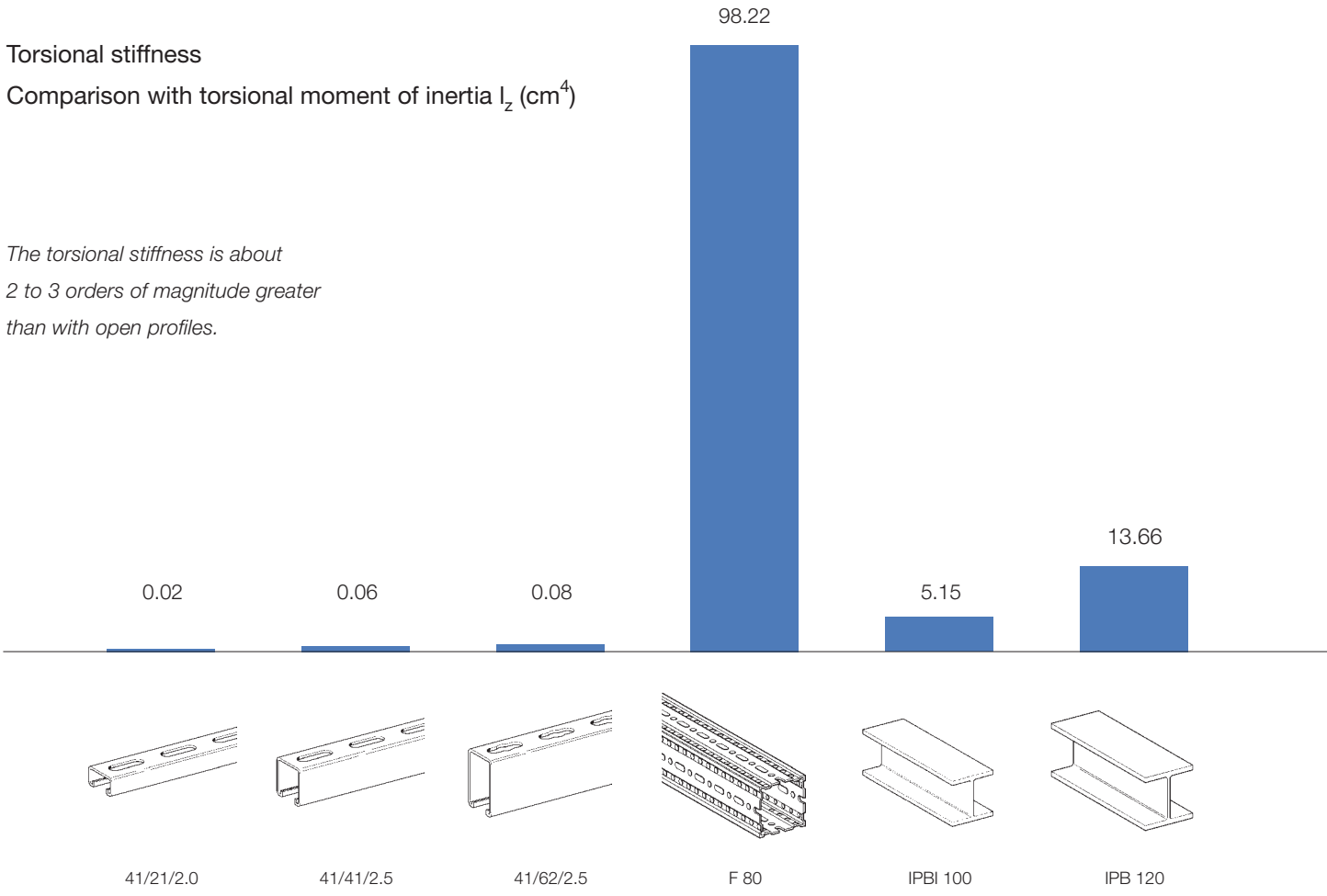
- facilitates planning,
- requires less space and
- allows cost savings.



The hollow section TP F 80 is ideal for loads causing compression, shear, torsion and multi-axle bending.

Torsional stiffness
Comparison with torsional moment of inertia I_z (cm^4)

The torsional stiffness is about 2 to 3 orders of magnitude greater than with open profiles.



Framo 80 service package – customer-centric and personal

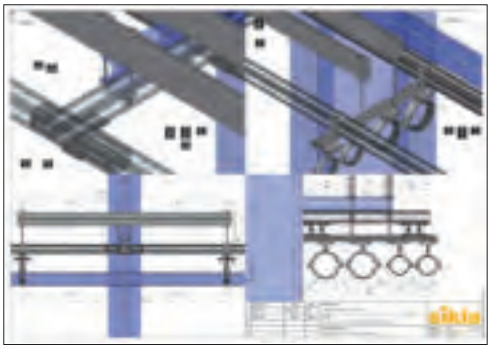
We support you in the planning and tendering process, provide logistics and, if you wish, produce to your specifications. Installation courses and construction site supervision round off our comprehensive service package.

Planning service – professional and capable

As early as the planning and tendering phase, enjoy professional assistance from our application specialists and technical consultants.

Our service portfolio:

- Creating CAD drawings, parts lists and schematic diagrams
- Static calculations
- Developing costumer tailored solutions



Pre-assembly service with factory guarantee

Pre-assembled assembly units encompass the potential for great savings and are a key part of modern installations. We also produce customer-tailored mounting solutions made of Framo and deliver Framo sections cut to length based on customer specification. This minimizes the installation work required, accelerates construction and allows certainty for calculation.

On site service

We assist you with our know-how and a team of specialists, including on-site, and help ensure assembly goes without a hitch.

- Construction site supervision and assembly monitoring
- Assembly training
- Construction site logistics

Sikla HCP Individual – meeting the most stringent demands

All Framo Products come with the high-quality Sikla HCP coating as standard. To meet the most stringent corrosion protection standards, Sikla developed a new individual multi-layer coating for the Framo 80 support system, a design which was then confirmed as complying with the corosion category C5-I.
This is the highest corrosive category; hence the coating is suitable for industrial fields, involving exposure to high humidity and aggressive environmental conditions.
Moreover, we also offer you corrosion protection individually tailored to meet your requirements. Combine different kinds of coating:

- Zinc flake coating (high-performance corrosion protection)
- KTL coating (cathodic dip coating)
- Powder coating

For further information on the topic of coating, please refer to our brochure “High Corrosion Protection” or contact us. We will be happy to tell you more.

We partner you for modern and efficient mounting solutions.
Get in touch!

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Sikla is a company with a certified quality management system. 11/2013 Item No. 113324