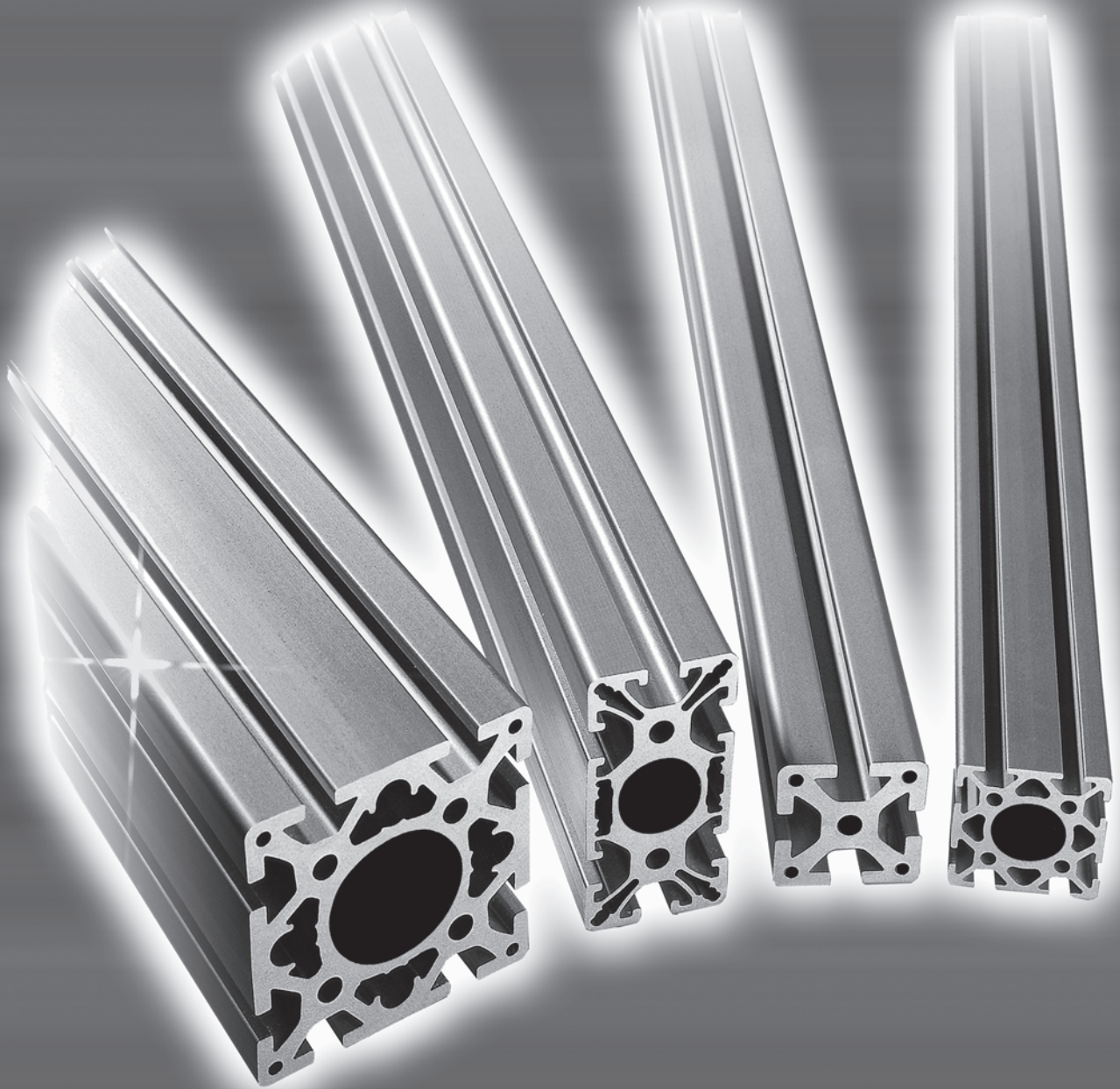


— PRODUCT OVERVIEW —





Build Better with the Silverline Profile System

Paletti Profilsysteme is a young organisation that began with one basic goal: to provide highly flexible and economically viable solutions for machine and plant construction.



Head office in Minden / Meißen

Fast & Easy

Our Silverline profile system is flexible, compatible and competes with any welded steel option. All components are structurally designed to assemble without difficulty, decreasing assembly time and maximizing profit.

Build Better

Equipped with the most up-to-date CNC production facilities and a qualified team of engineers and specialists, we are ready to turn your visions into a reality.

Explore the possibilities with Paletti's revolutionary Silverline aluminum profile system.

With rapid progress regarding production improvements and work flow adaptability, it has become increasingly necessary to deliver a multitude of affordable machine building options.

Our manufacturing strength lies in the development and production of modular-based profile systems that are suitable for all fields of application.

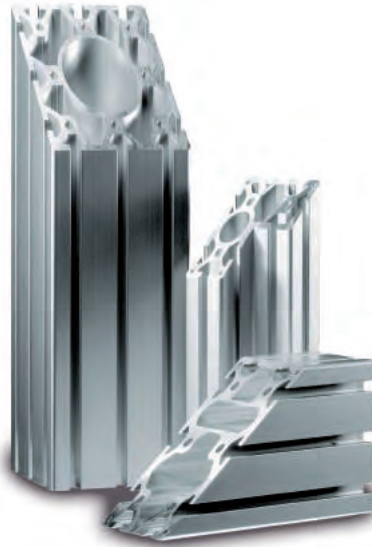
Paletti provides innovative aluminum profile solutions for industrial applications, eliminating the need for cumbersome steel systems.

Paletti's benefits are:

- ▲ high quality
- ▲ precision work
- ▲ very effective price / cost ratio
- ▲ order-processing that meets deadlines
- ▲ planning and development services

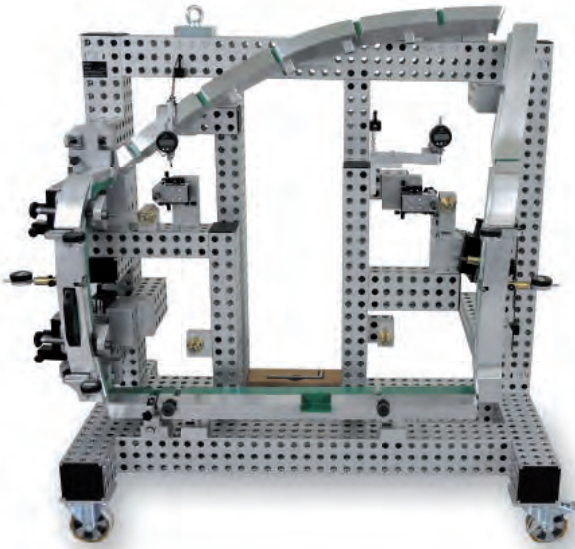


Plant in Lahde

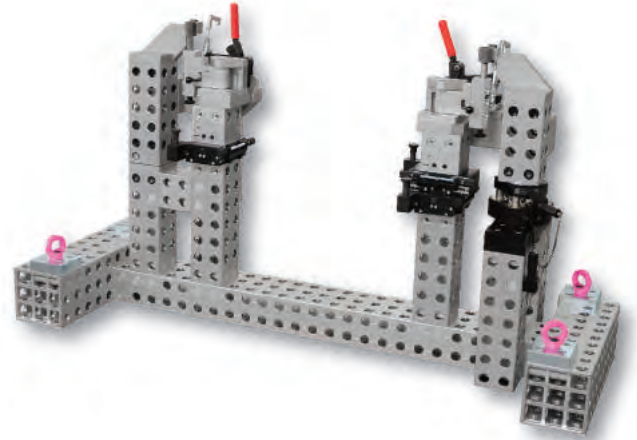




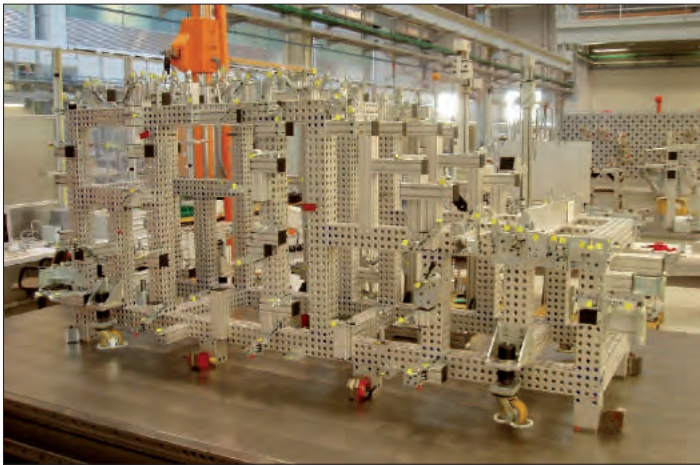
Checking Fixture Automotive



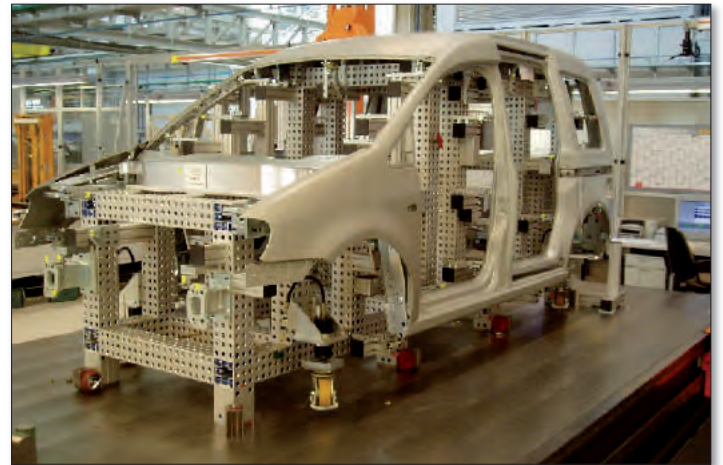
Checking Fixture Door



Checking Fixture platform



Matching Fixture

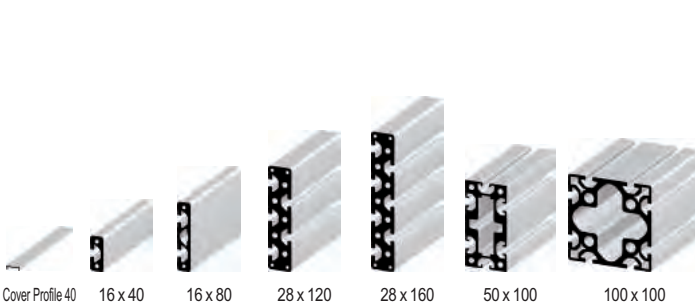
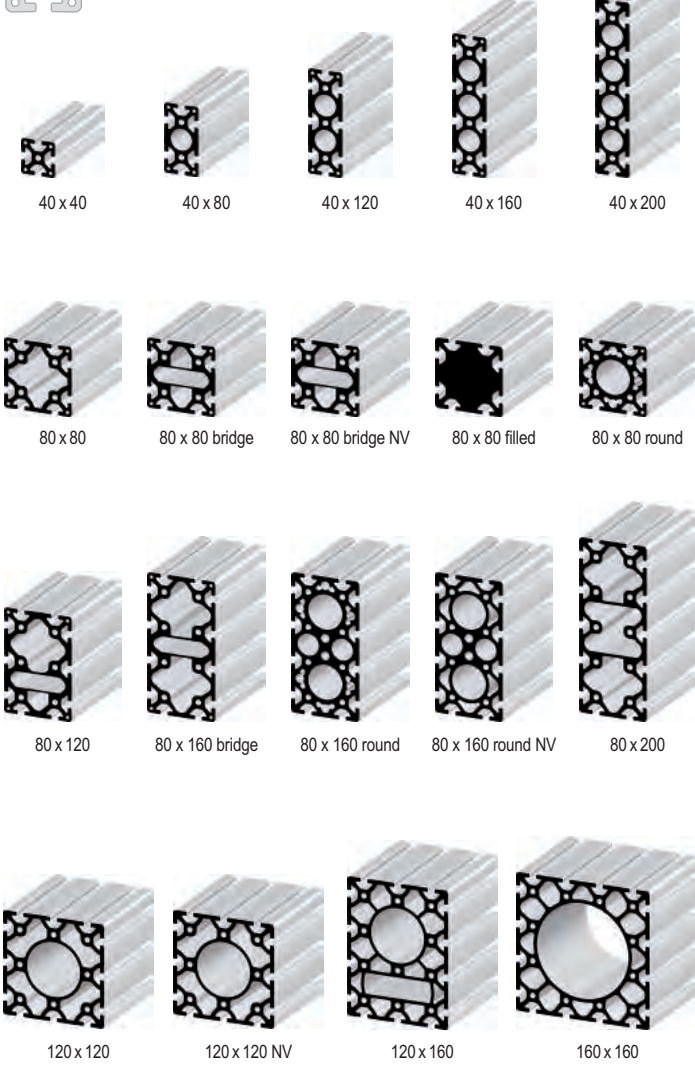


Matching Fixture incl. parts

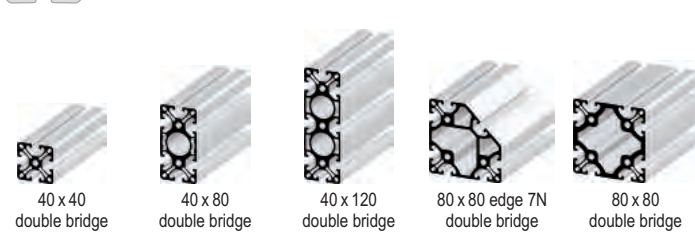


Gauges for press parts

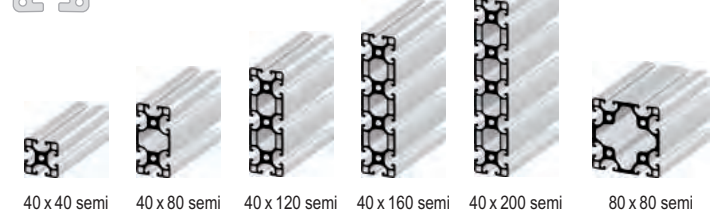
40 Profiles 40 standard



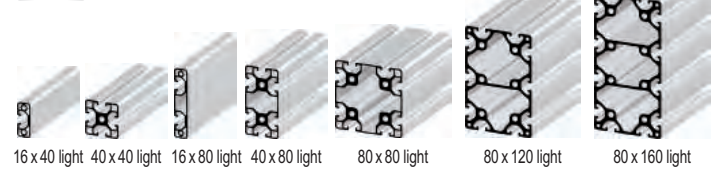
40 Profiles 40 double bridge



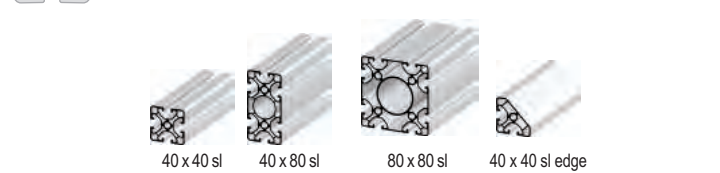
40 Profiles 40 semi



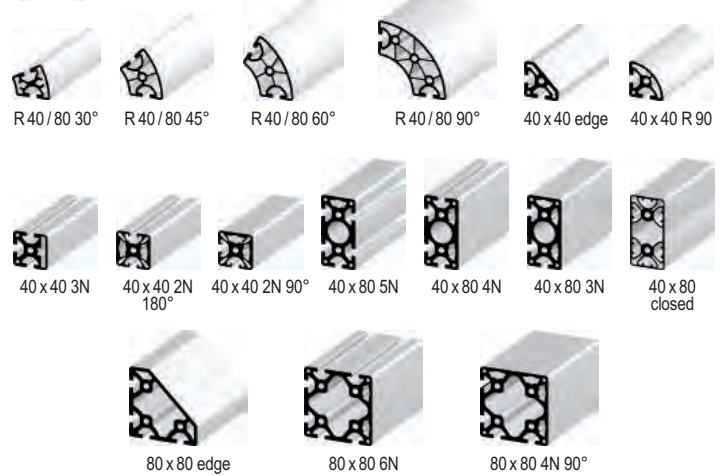
40 Profiles 40 light



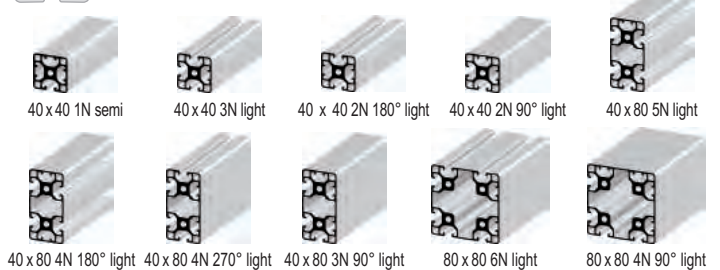
40 Profiles 40 superlight



40 Closed Profiles 40

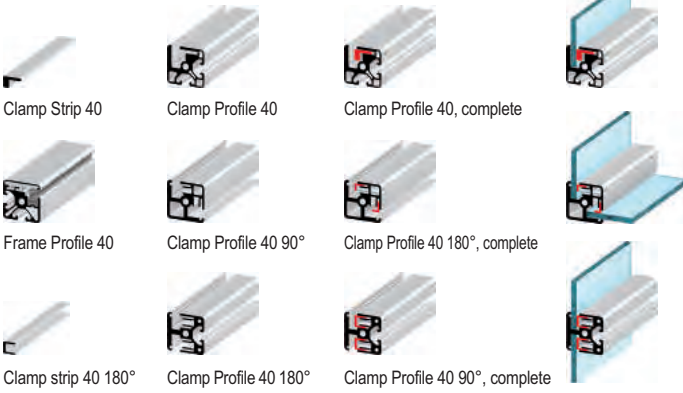


40 Closed Profiles 40 light





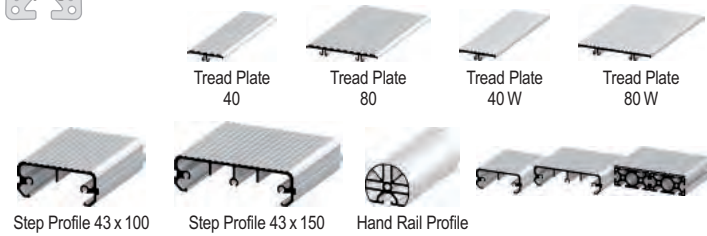
40 Clamp Profiles 40



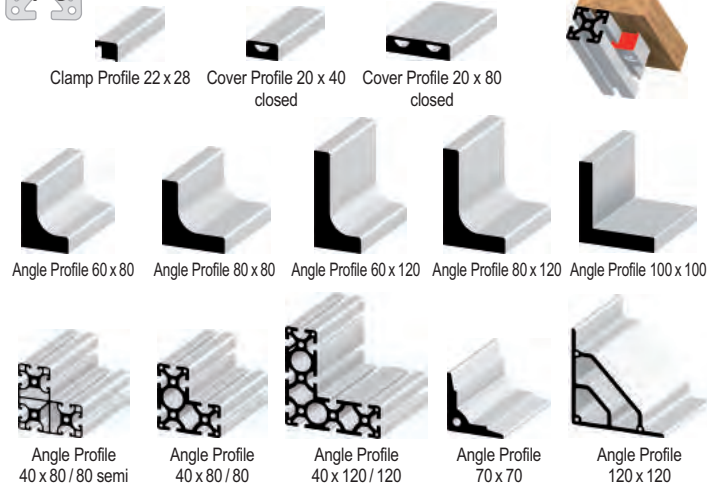
30 Clamp Profiles 30



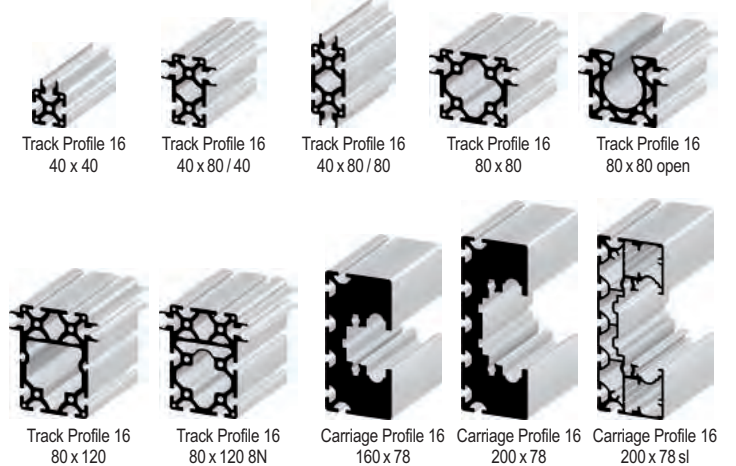
40 Tread And Step Profiles



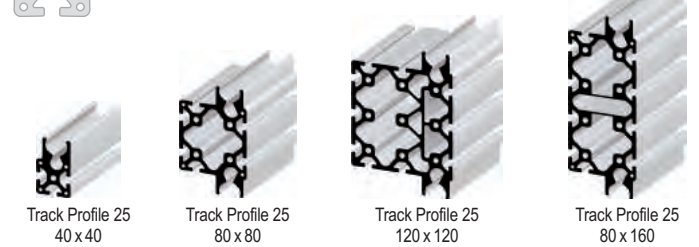
40 Angle Profiles



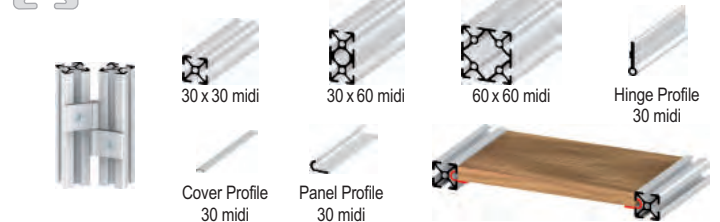
40 Profiles Linear Actuator System 16



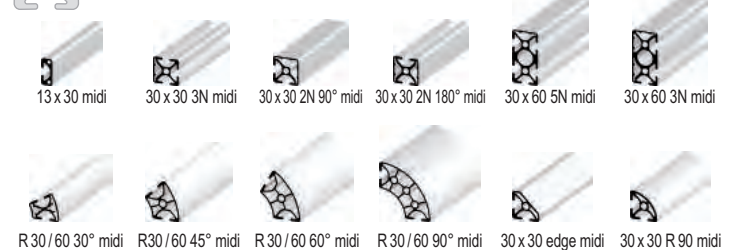
40 Track Profiles 25



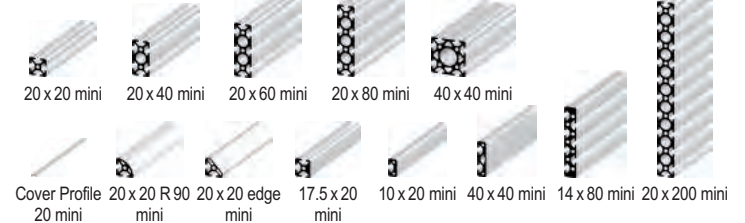
30 Profiles 30 midi

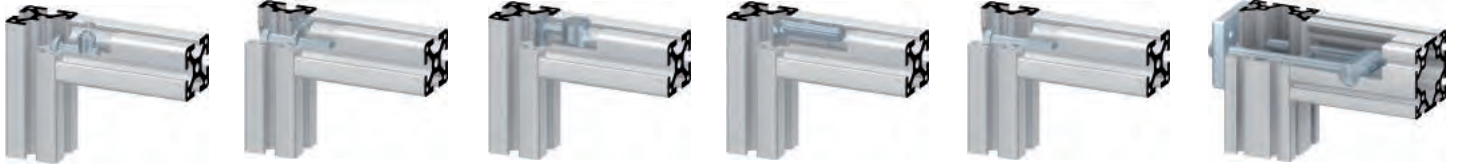


30 Closed Profiles 30 midi



20 Profiles 20





Central Fasteners

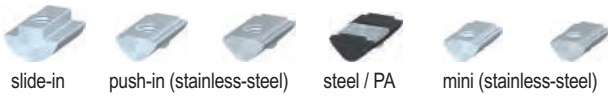
Standard Fasteners

Universal Fasteners

Quick Fasteners

Screw Fasteners M 8

Heavy Duty Fasteners



slide-in

push-in (stainless-steel)

steel / PA

mini (stainless-steel)



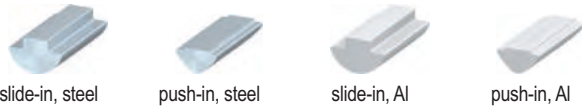
slide-in

push-in

- Positioning in the t-slot via spring-loaded ball or grub screw
- slide-in and push-in t-nut design
- threaded holes from M 3 up to M 8

T-Nuts, ball-type

T-Nuts, with grub screw



slide-in, steel

push-in, steel

slide-in, Al

push-in, Al



T-Nut Profiles

Double T-Nuts

Square T-Nuts



Central Fasteners



40

40 S

30

40

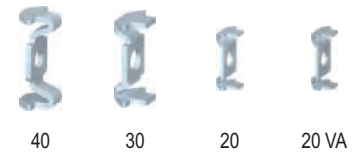
Set 40

30

Set 30

20

Set 20



40

30

20

20 VA

Quick Fasteners

Universal Fasteners

Standard Connectors



80 x 200 M 27

80 x 160 M 27

120 x 120 M 27

120 x 120 M 12

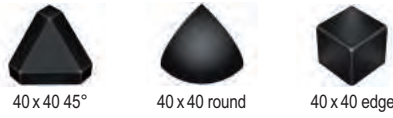
80 x 120 M 12

80 x 80 M 12

Heavy Duty Fasteners



Profile Caps 30



Corner Fastener Caps 40 x 40



Wiring Duct Caps



80 x 80



80 x 80 edge 7N



80 x 120



80 x 160



80 x 200

Foot Plates 80, zinc-plated



Adjustable Feet Ø 29



Adjustable Feet Ø 39



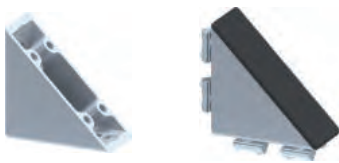
Adjustable Feet Ø 54



Handles



Adjusting Elements



Corner Bracket Zn 40 x 80 (complete)



Corner Bracket Zn 40 x 40 (complete)



Element 1 45° 40 x 40



Element 1 45° 40 x 80



Corner Bracket Zn 30 x 30 (complete)



Corner Bracket Zn 20 x 20 (complete)



Element 2 45° 40 x 40



Element 2 45° 40 x 80

Corner Brackets Zn

Angle Elements



Fastener 40 x 40 45°



40 x 40 round



40 x 40 45°



40 x 40 edge



40 x 40 (with clamp lever)



40 x 40, robust



40 x 80 (with clamp lever)

Corner Fastener Sets 40 x 40

Heavy Duty Joints

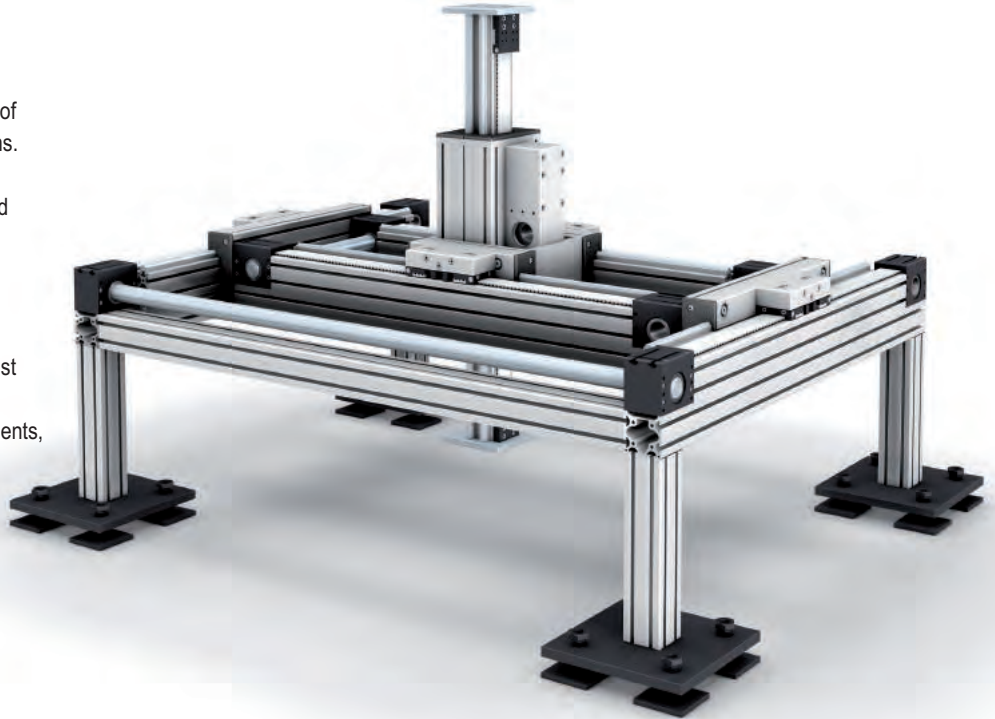


The Linear Actuator Systems

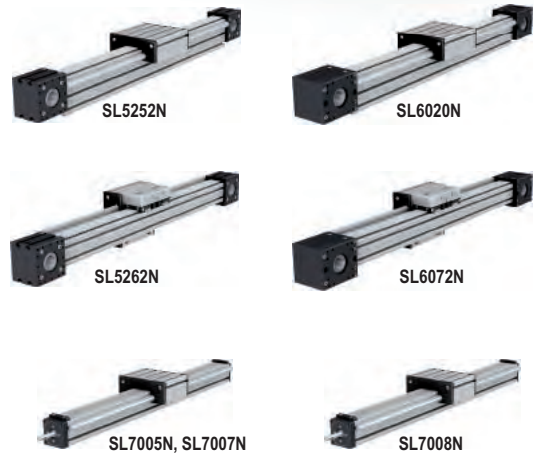
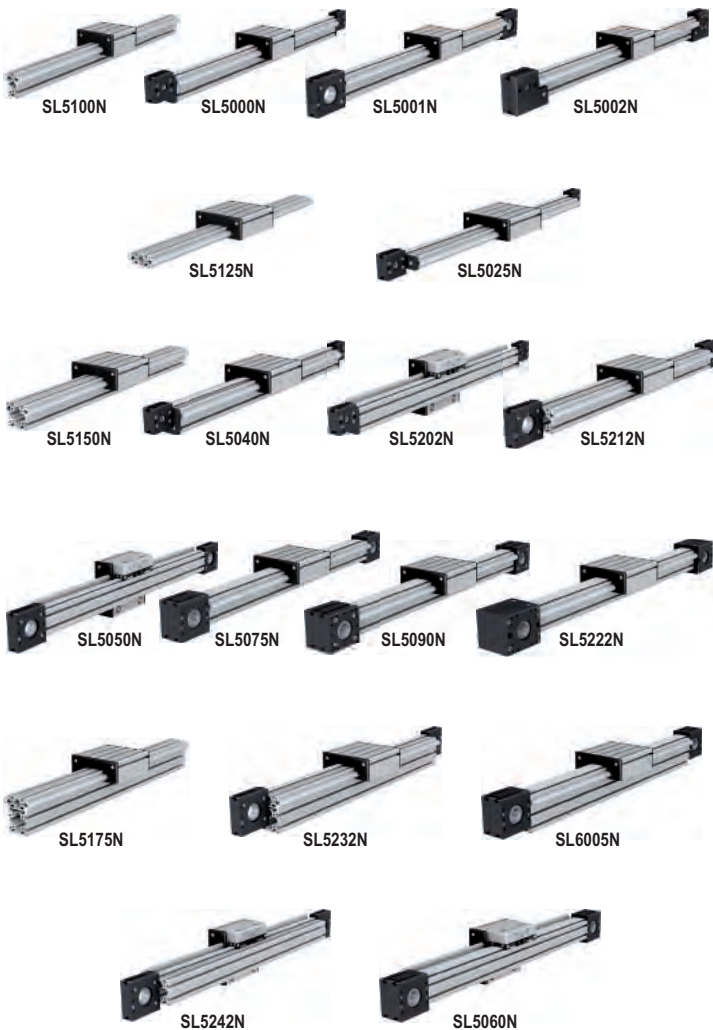
All *Paletti* linear motion systems are comprised of extruded aluminum profile track and carriage systems. Timing belts and ball bearing screws provide the transmission with a combination of electric motor and gearbox units. Pneumatic cylinders are also used to provide linear motion.

The *Paletti* modular approach allows for simple and complex systems to be manufactured to suit most customer and design requirements.

Paletti supplies individual linear motion components, single built actuators or complex multi-axis systems.



40 Linear Actuator Systems 16



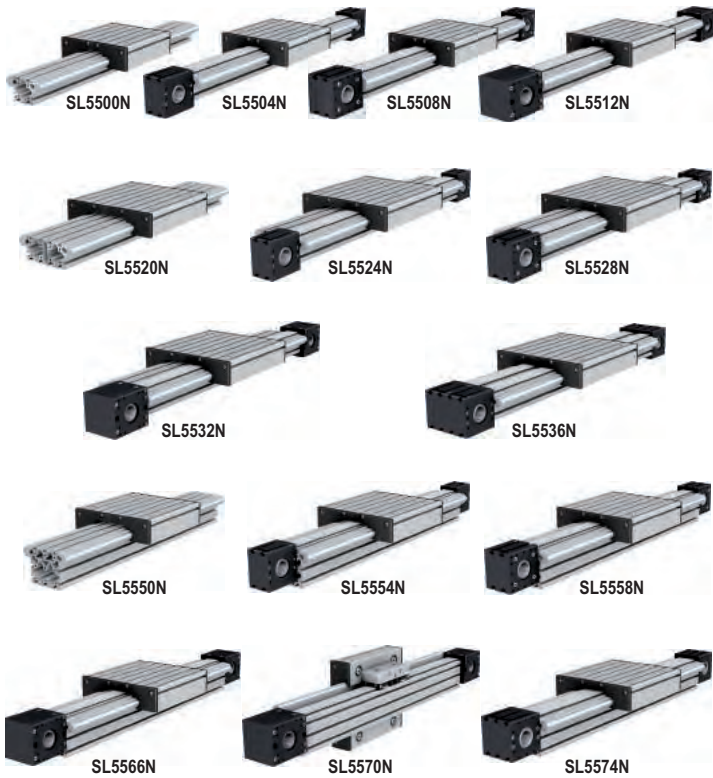
Ball Bearing Screw 20 x 5, Ball Bearing Screw 20 x 20 Trapezoidal Screw

40 Linear Actuator Systems 16 with Omega Drive





40 Linear Actuator Systems 25



40 Internal Drive Systems



40 Internal Drive Systems 80 / 90



40 Internal Drive Systems 120 / 120



40 C-Tracks C 40 / 100

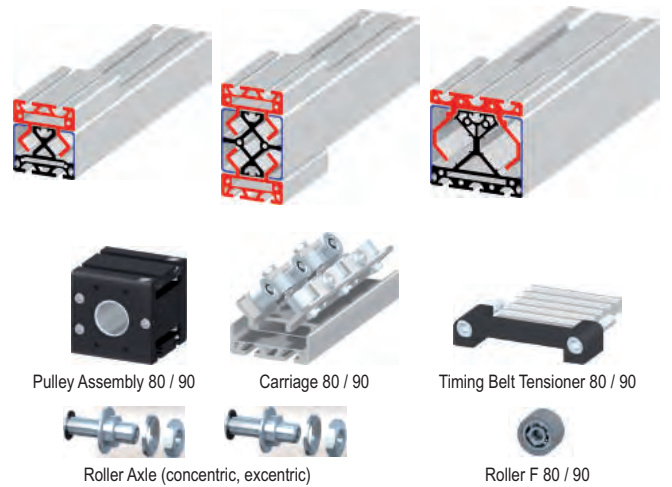


40 C-Tracks C 80 / 100

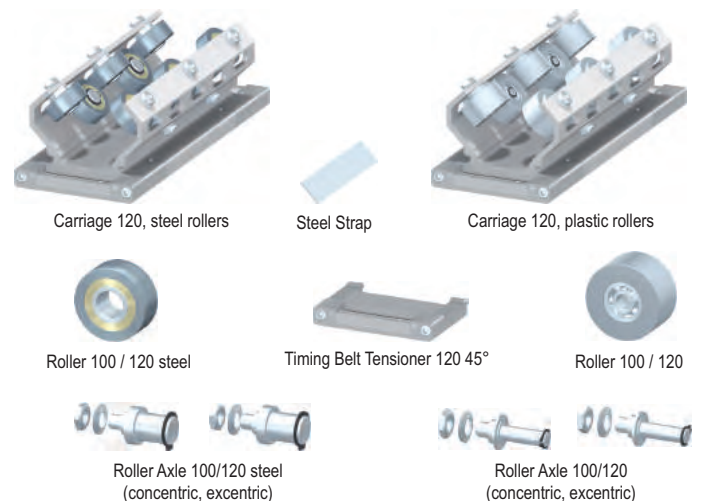


C-Track Components

Linear Actuator 80 / 90 Components



Linear Actuator 120 / 120 Components

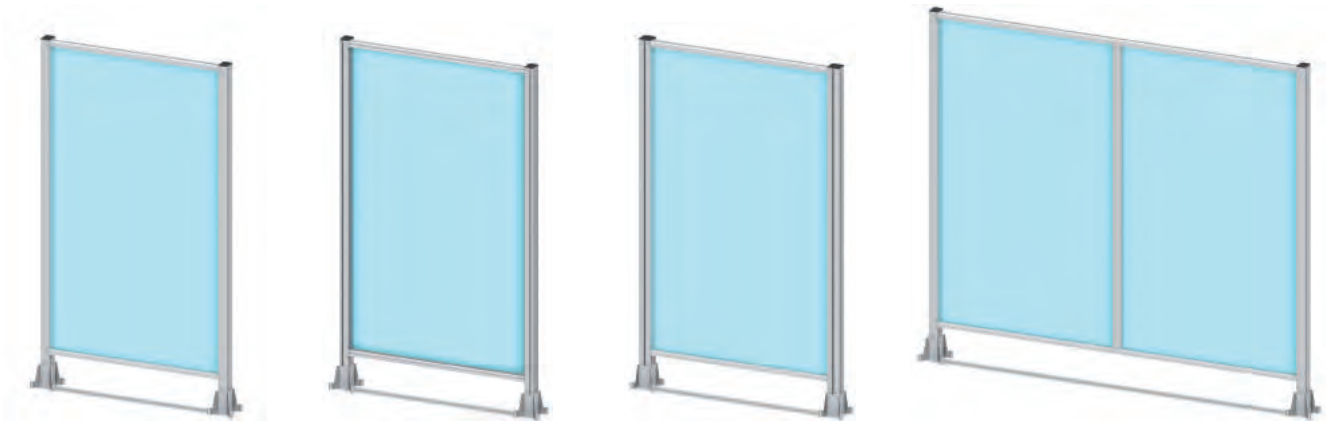




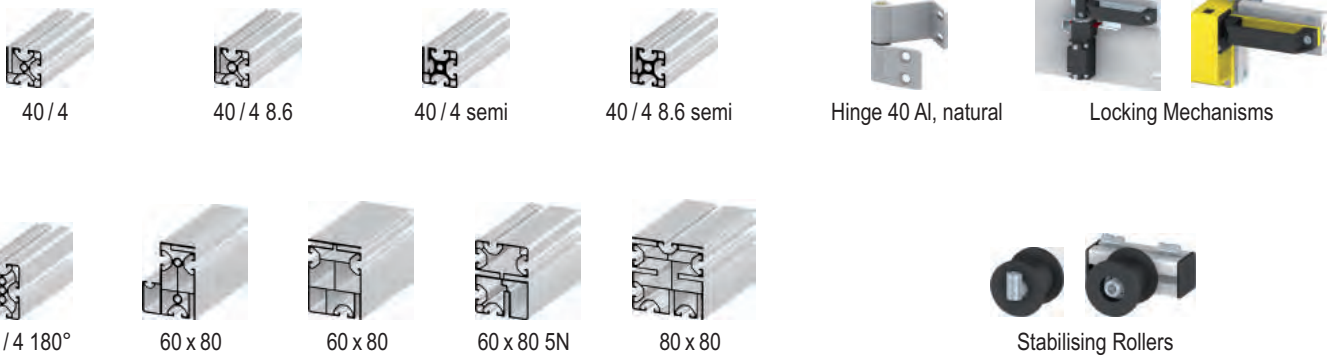
Support Legs 40 x 40 sl Support Legs 40 x 80 sl Door Kit 750 Door Kit 1000 Double Door Kit

- preassembled protection panels in standard grids: 500, 750, 1000, 1500
- preassembled support legs
- compatible to the standard program
- panel thickness: 7.8 mm

- doors and double doors with latch system
- slide doors with and without super structure
- attachment of the frame elements to the support legs occurs via an adjustable holder and an adjustable angle



Frame Element 60 x 80 Frame Element 60 x 80 5N Frame Element 80 x 80 Double Frame Element 60 x 80



40 / 4 40 / 4 8.6 40 / 4 semi 40 / 4 8.6 semi Hinge 40 Al, natural Locking Mechanisms
 40 / 4 180° 60 x 80 60 x 80 60 x 80 5N 80 x 80 Stabilising Rollers

- for 4 mm panels
- preassembled frames in standard sizes with differing number of t-slots (3 / 5 / 6)
- preassembled support legs

- compatible to the standard program
- lockable single doors and double doors
- smooth, clean surfaces
- various applications



Door Stops



Laser Enclosures

- free standing laser enclosures (no additional structural members required)
- self-supporting lengths up to 12 m
- enclosure length and width unlimited
- innovative design
- double wall structure
- four-wall construction for applications in focal range
- multiple beam systems can be combined within a wall
- corner angles can be infinitely positioned
- standard t-nuts facilitate simple installation of additional components
- automatic part insertion options without disabling laser
- laser safe exhaust vents
- specially designed hose, pipe and cable entry systems
- our system structure is patent-protected worldwide



Segment Door



Segment Door Profile 120 x 42.5



Segment Door Profile 120 x 66.5

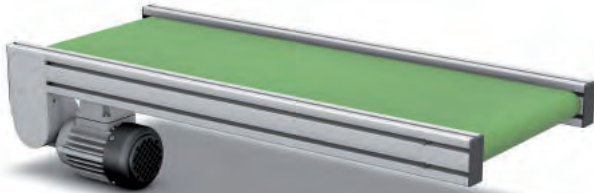
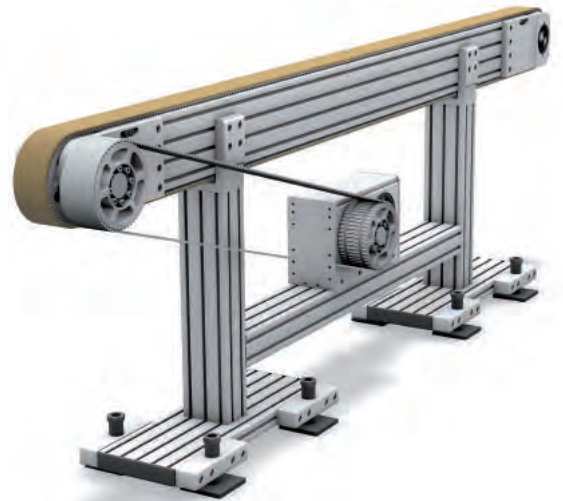
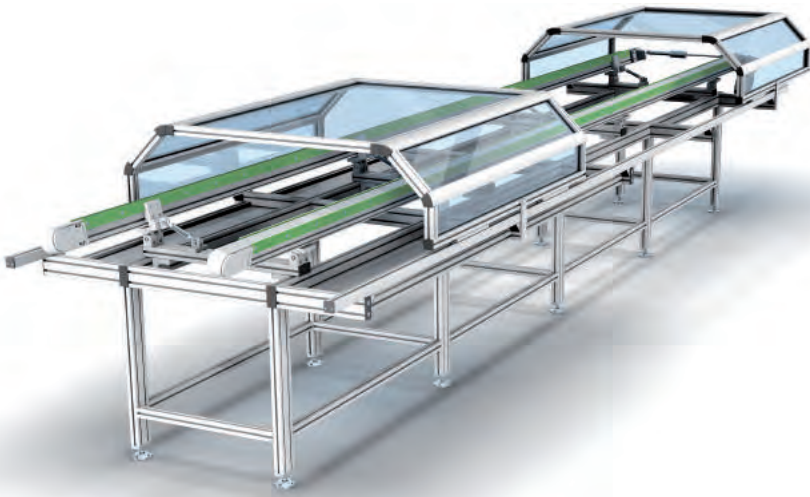


Segment Door Profile 80 x 42.5



Timing Belt Clamp Profile

Segment Door Profiles



Belt Conveyor



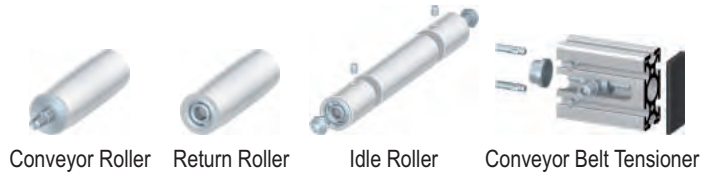
Motor with Gearbox TD (90 W)



Motor with Gearbox TD (180 W)



Driven Roller Conveyor

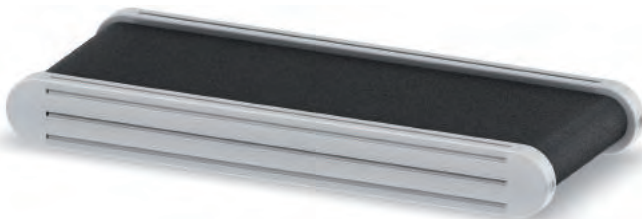


Conveyor Roller

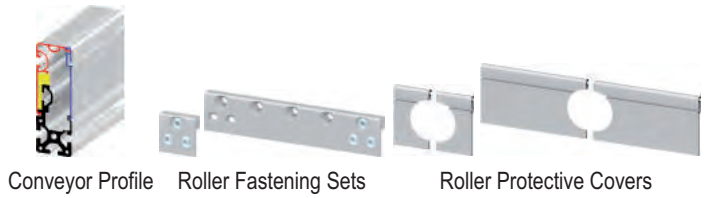
Return Roller

Idle Roller

Conveyor Belt Tensioner



Belt Conveyor with drum motor



Conveyor Profile

Roller Fastening Sets

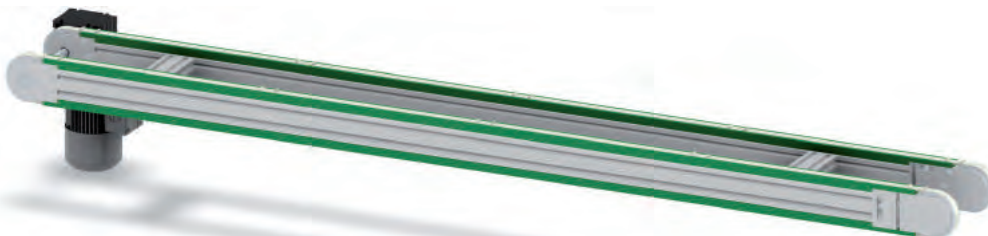
Roller Protective Covers



Drive Unit Attachment (left, right)

Return Unit

Return Roller Ø 85



Timing Belt Conveyor

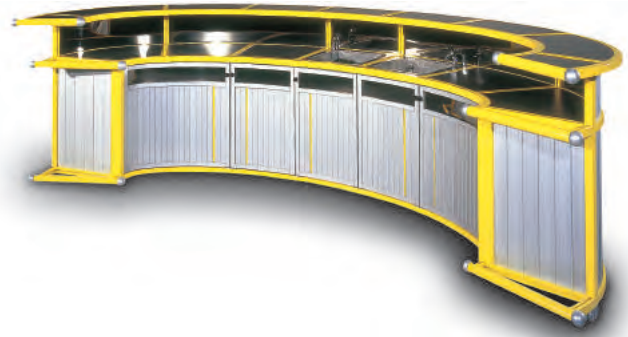
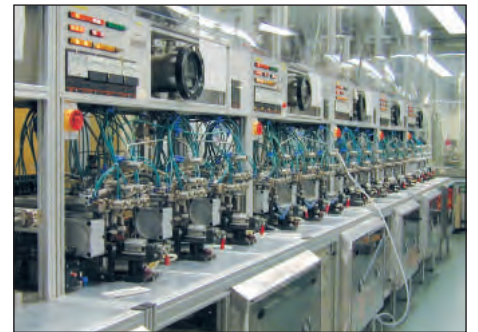


Table Profile 40



Table Corner (45°)



Table Profile 40 x 80



Miter Connector 40 90°



grooved



non-grooved



Support Angles



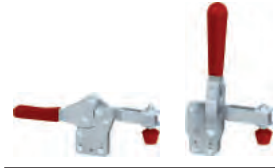
Extensions



Layshafts



Pressure Forks



Clamp Units



Joint Arm Systems



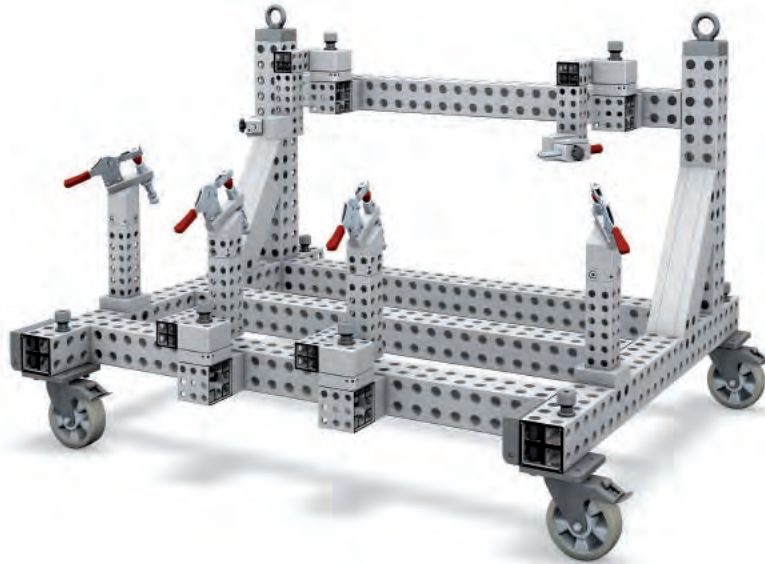
Double Fastener Set



Double Fastener Set, with Positioning Element



Bolt Connection Set



Adjusting Elements



Tooling Mounting Brackets



Anchors



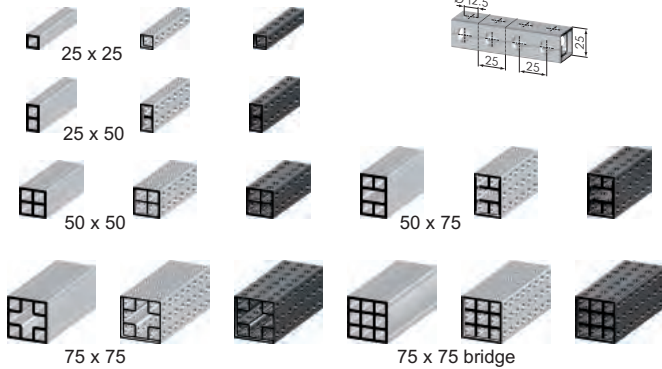
Foot Plates, with screw joint positioning



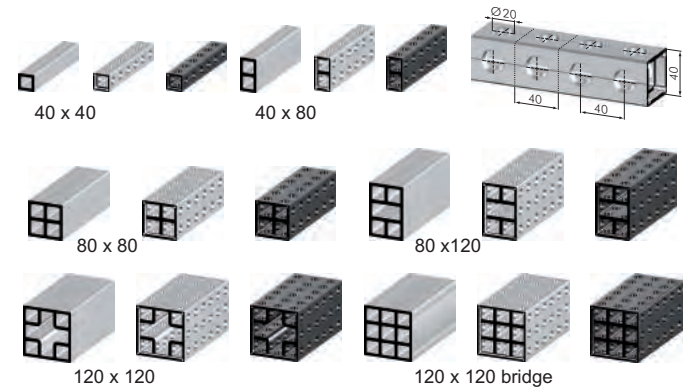
Profile End Caps

Fastening Sets

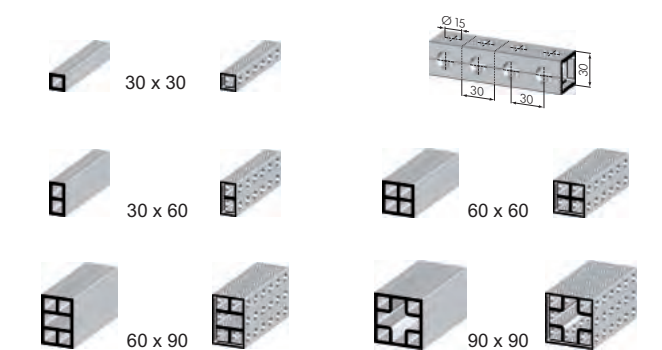
Precision Profiles 25



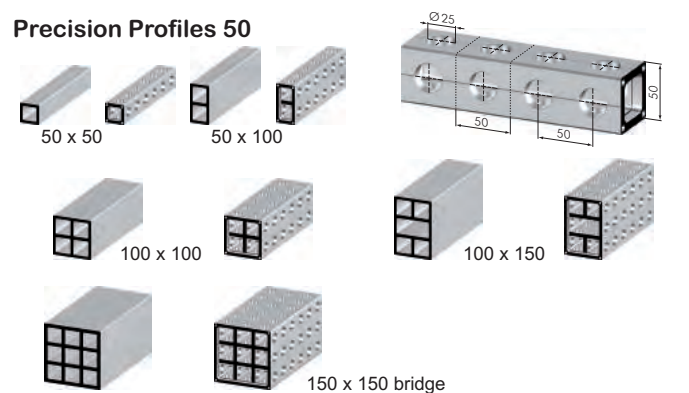
Precision Profiles 40



Precision Profiles 30



Precision Profiles 50





Office enclosure



Welding booths



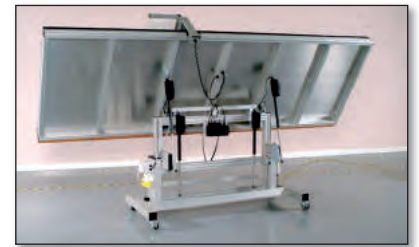
Industrial partitioning and guarding



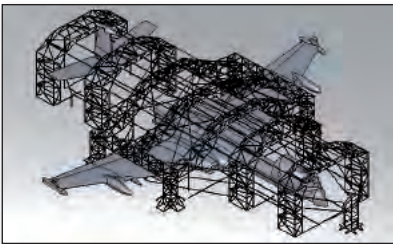
Composite assembly tooling



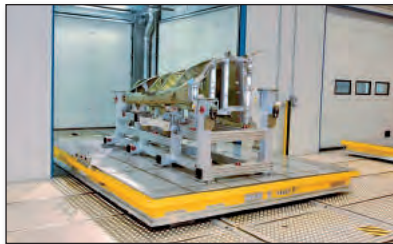
Shipping container for jet engines



Harness assembly board



Nimrod lightning strike framework design



JSF boom tooling



Environmental frame



Flask inspection platform



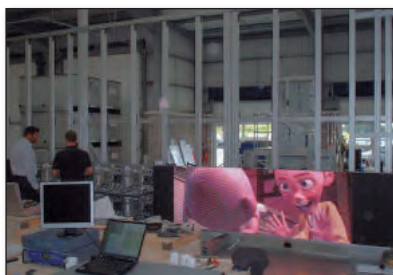
Wind screen



Frame



Production lines



LED support screen



LED support screen

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