



CUSTOMER APPLICATION SAMPLE



Machine constructed by „Conrad Apparatebau GmbH“



The isel-T-groove profiles are very suitable for universal precision, clamping and working surfaces. They are face milled on both sides and can be used as tool holding fixtures with almost every machine. The profiles are thick walled, resistant to warping and extremely solid. These profiles enable the production of clamping and working surfaces at any length and width. The profiles can be cut or joined together to the required size. They are available in lengths up to 3 m (special lengths upon request).

*From the Component to the System.*

MECHANICS

ELECTRONICS

SOFTWARE

MECHA-TRONICS

SOFT-TRONICS

SYSTEMS-APPLICATIONS

product info: +49 (0) 66 59 / 981 744 // email: [mechanics@isel.com](mailto:mechanics@isel.com) // [www.isel.com](http://www.isel.com)

iselautomation KG // Mechanics  
Buergermeister-Ebert-Strasse 40 // D-36124 Eichenzell // Germany

MECHANICS

ELECTRONICS

SOFTWARE

SYSTEMS

1

# Aluminium Profiles

1

Aluminium Profiles

Linear Drives

4

2

Machine Frames

Linear Units

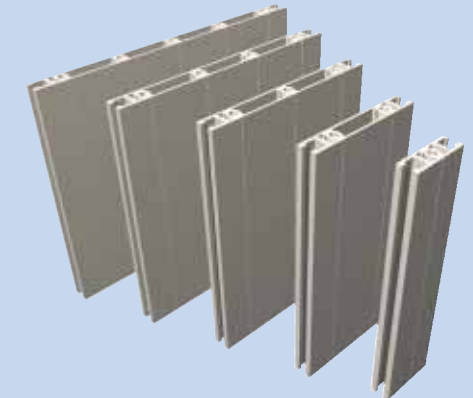
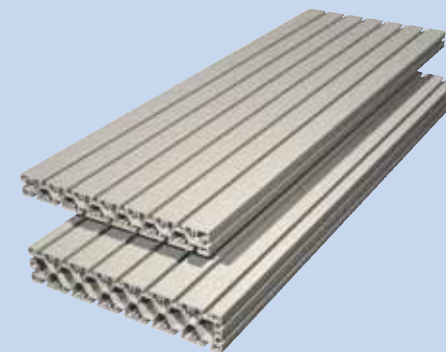
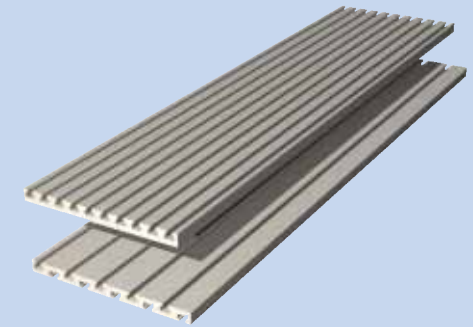
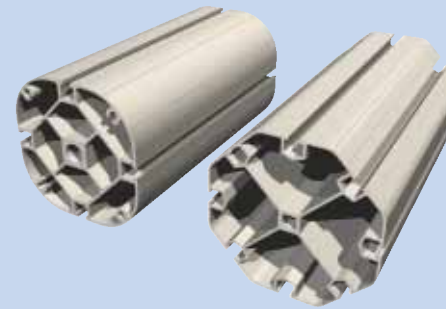
5

3

Linear Guides


Rotary Units

6




# Product Overview Aluminium Profiles (available in lengths up to 3 m)

**PP-Profiles** for fast and easy construction of frames, tables and stands // anodized // light, very solid // lengthwise especially suitable for use as supporting panelling




|  |  |
|--|--|
| <b>PP 50</b> - 50 x 16 mm, 1.140 g/m   | <b>PP 200</b> - 200 x 16 mm, 3.390 g/m |
| <b>PP 100</b> - 100 x 16 mm, 1.890 g/m | <b>PP 250</b> - 250 x 16 mm, 4.140 g/m |
| <b>PP 150</b> - 150 x 16 mm, 2.640 g/m |  |

**RE-Profiles** for use as stabilizer when constructing machine frames // anodized // light, very solid // RE 175 x 30 and 250 x 30 mm face-milled on both sides




|  |  |
|--|--|
| <b>RE 15</b> - 75 x 15 mm, 1.430 g/m<br>- 125 x 15 mm, 2.370 g/m<br>- 175 x 15 mm, 3.300 g/m<br>- 250 x 15 mm, 4.680 g/m | <b>RE 30</b> - 75 x 30 mm, 2.350 g/m<br>- 125 x 30 mm, 3.710 g/m<br>- 175 x 30 mm, 5.050 g/m<br>- 250 x 30 mm, 6.510 g/m |
|--|--|

**PT-Profiles** universal precision, clamping and working surface // anodized // thick walled, resistant to warping and extremely solid // face-milled on both sides



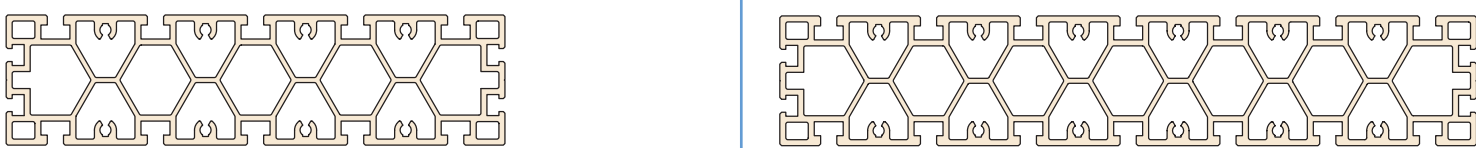
|  |   |
|--|---|
| <b>PT 25</b> - 125 x 20 mm, 4.820 g/m<br>- 250 x 20 mm, 9.560 g/m<br>- 375 x 20 mm, 13.710 g/m | <b>PT 50</b> - 250 x 20 mm, 10.020 g/m<br>- 375 x 20 mm, 14.840 g/m |
|--|---|

**RE-Profiles** **NEW** // universal precision, clamping and working surface, stabilizer // anodized // light, very solid // face-milled on both sides



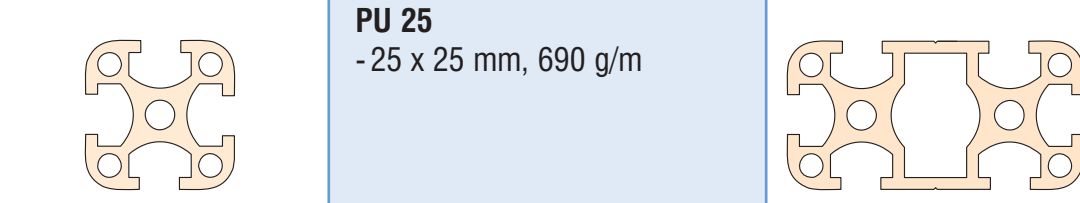
|                                       |  |
|---------------------------------------|--|
| <b>RE 40</b> - 250 x 40 mm, 9.670 g/m | <b>RE 40</b> - 350 x 40 mm, 13.380 g/m |
|---------------------------------------|--|

**RE-Profiles** **NEW** // universal precision, clamping and working surface, stabilizer // anodized // light, very solid // face-milled on both sides



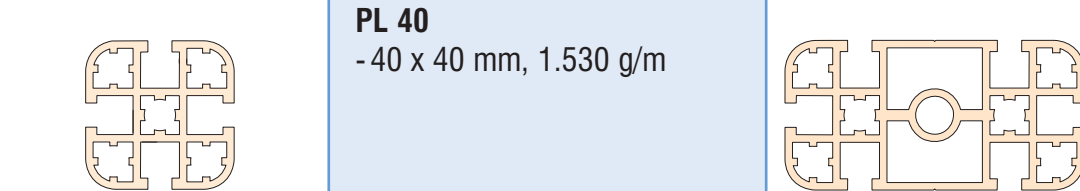
|  |  |
|--|--|
| <b>RE 65</b> - 250 x 65 mm, 12.420 g/m | <b>RE 65</b> - 350 x 65 mm, 17.030 g/m |
|--|--|

**PU-Profiles** for fast and easy construction of frames, tables and stands // anodized // light, compact, solid // universal




|                                    |                                      |
|------------------------------------|--------------------------------------|
| <b>PU 25</b> - 25 x 25 mm, 690 g/m | <b>PU 50</b> - 50 x 25 mm, 1.270 g/m |
|------------------------------------|--------------------------------------|

**PL-Profiles** for fast and easy construction of frames, tables and stands // anodized // light, compact, solid // high stress-resistance



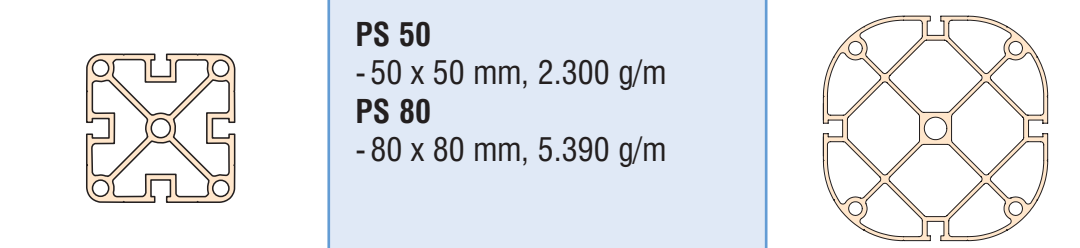
|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>PL 40</b> - 40 x 40 mm, 1.530 g/m | <b>PL 80</b> - 40 x 80 mm, 2.900 g/m |
|--------------------------------------|--------------------------------------|

**PM-Profiles** very suitable for booth-constructions etc. // anodized // light, solid, nice design // enables angular connections




|                                      |   |
|--------------------------------------|---|
| <b>PM 50</b> - 50 x 50 mm, 1.700 g/m | <b>PM 100</b> - 100 x 100 mm, 3.270 g/m |
|--------------------------------------|---|

**PS-Profiles** for fast and easy construction of frames, tables and stands // anodized // light, solid // high stress-resistance



|  |  |
|--|--|
| <b>PS 50</b> - 50 x 50 mm, 2.300 g/m<br><b>PS 80</b> - 80 x 80 mm, 5.390 g/m | <b>PS 100</b> - 100 x 100 mm, 5.100 g/m<br><b>PS 140</b> - 140 x 140 mm, 9.000 g/m |
|--|--|

**SP-Profiles** for the construction of any type of frames, tables, etc. // anodized or powder-coated // light, nice design



|                                       |   |
|---------------------------------------|---|
| <b>SP 100</b> - Ø 102,3 mm, 2.090 g/m | <b>SP 200</b> - 194,6 x 102 mm, 3.600 g/m |
|---------------------------------------|---|