

Non-ferrous metals ...from a single source



Non-ferrous metals

Your contacts

SCHMOLZ + BICKENBACH
Providing special steel solutions



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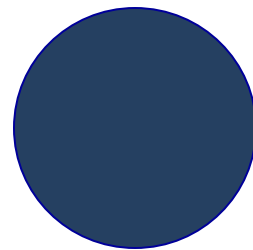
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Aluminium Round bars



Extruded

R/L 3000 - 6000 mm
EN 573-3, EN 755-1,-2,-3

Dimensions (mm)	Alloys
Ø 20 - 530	AlCu4PbMgMn / EN AW-2007
Ø 50 - 150	AlCu6BiPb / EN AW-2011
Ø 20 - 500	AlCu4MgSi / EN AW-2017A
Ø 30 - 300	AlMg5 NQ / EN AW-5019
Ø 30 - 270	AlMg5 EQ / EN AW-5019
Ø 20 - 530	AlMg4,5Mn0,7 / EN AW-5083
Ø 20 - 150	AlSi0,5MgMn / EN AW-6060
Ø 20 - 530	AlSi1MgMn / EN AW-6082
Ø 20 - 200	E-AlSi0,5MgMn / EN AW-6101B
Ø 20 - 150	AlSiMgBi / AA6026
Ø 20 - 530	AlZn5,5MgCu / EN AW-7075

Cast

turned and homogenised,
R/L 1000 - 1500 mm EN 573-3

Dimensions (mm)	Alloys
Ø 140 - 600	AlCu4PbMgMn / EN AW-2007
Ø 200 - 404	AlMg4,5Mn0,7 / EN AW-5083
Ø 140 - 600	AlSi1MgMn / EN AW-6082 *

*also available in Temper T6

Cold-drawn

R/L 3000 - 6000 mm
EN 573-3, EN 754-1,-2,-3

Dimensions (mm)	Alloys
Ø 10 - 70	AlCu4PbMgMn / EN AW-2007
Ø 10 - 65	AlCu6BiPb / EN AW-2011
Ø 20 - 60	AlSiMgBi / AA6026
Ø 10 - 70	AlSi1MgMn / EN AW-6082
Ø 10 - 50	AlZn5,5MgCu / EN AW-7075



Aluminium

Flat bars

Square bars



Square bars extruded
R/L 3000 - 6000 mm
EN 573-3, EN 755-1,-2,-4

Dimensions (mm)	Alloys
■ 20 - 400	AlCu4PbMgMn / EN AW-2007
■ 20 - 400	AlSi1MgMn / EN AW-6082
■ 20 - 100	AlZn5,5MgCu / EN AW-7075

Flat bars extruded
R/L 5000 mm
Electrical guard rails, DIN 40501/46433

Dimensions (mm)	Alloys
30x5 - 100x15	E-Al99,5% / EN AW-1050

Square bars cold-drawn
R/L 3000 - 6000 mm
EN 573-3, EN 754-1,-2,-4

Dimensions (mm)	Alloys
■ 20 - 60	AlCu4PbMgMn / EN AW-2007
■ 20 - 60	AlSi1MgMn / EN AW-6082

Flat bars extruded
R/L 3000 - 6000 mm
EN 573-3, EN 755-1,-2,-5

Dimensions (m)	Alloys
15x10 - 200x20	AlCu4PbMgMn / EN AW-2007
15x10 - 200x20	AlSi1MgMn / EN AW-6082

Hexagonal bars cold-drawn
R/L 3000 mm, one side chamfered
EN 573-3, EN 754-1,-2,-6

Dimensions (mm)	Alloys
HEX 10 - 41	AlCu4PbMgMn / EN AW-2007
HEX 10 - 41	AlSi1MgMn / EN AW-6082



Aluminium

Round tubes

Plates



Porthole round tubes
R/L 3000 - 6000 mm
EN 573-3, EN 755-1,-2,-8

Seamless round tubes pressed onto mandrel
R/L 3000 - 6000 mm
EN 573-3, EN 755-1,-2,-7

Dimensions (mm)	Alloys
15x1 - 200x20	AlCu4PbMgMn / EN AW-2007
10x1 - 200x20	AlMgSi0,5 / EN AW 6060
15x1 - 200x20	AlSi1MgMn / EN AW-6082
30x1 - 200x15	E-AlMgSi0,5 / EN AW 6101B

Dimensions (mm)	Alloys
60x5 - 420x100	AlMg4,5 / EN AW 5083
60x5 - 420x100	AlMg3 / EN AW 5754
60x5 - 420x100	AlCuMg1 / EN AW 2017A
15x1 - 200x20	AlSi1MgMn / EN AW-6082

Aluminium plates hot rolled
Small, medium, larges size, special sizes
EN 573-3, EN 485-3

Plate width (mm)	Alloys
10 - 250	AlCuMg1 / EN AW 2017A
10 - 250	AlMg4,5Mn / EN AW 5083
10 - 35	AlMg3 / EN AW 5754
10 - 250	AlSi1MgMn / EN AW-6082
10 - 250	AlZnMgCu1,5 / EN AW 7075

We supply plates cut to custom sizes...

Cold rolled aluminium slit strip
EN 573-3, EN 485-4

Dimensions and alloys

0,2 - 3,5 mm

EN AW 1050A, 1200
EN AW 3003, 3103, 3004, 3005, 3105A
EN AW 5005, 5251, 5052, 5049, 5754, 5083, 5086, 5182
EN AW 6061, 6082
EN AW 8006, 8011A, 8079

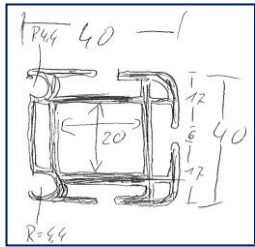
Coil inside diameter:
300, 400, 500 (508) und 600 (610) mm
Coil outer diamter: max. 1800 mm
Module weight: max. 6,9 kg/mm width



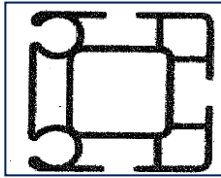
Drawing profiles

We give a profile to your ideas

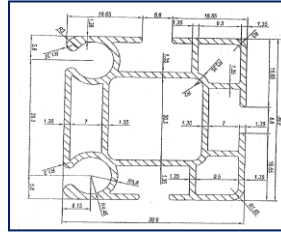
From the drawing
to the finished profile...



Draft



Preliminary sketch



Manufacturing file



Finished profile

We supply

- Standard drawing profiles as per EN 755-1,-2,-9
- Precision profiles as per EN 12020
- Profiles in almost all common alloys (e.g. EN AW-1050; 1350; 5754; 5083; 6005; 6060; 6082; 7020; 7075)
- Surfaces in mill-finished, anodized oder powder-coated
- Machining → as punching, drilling, milling

Presses working with a pressure of 10 MN up to 120 MN allow production of drawing profiles up to 100 kg/metre.

We would be pleased to be able to support you with your next project.



Non-ferrous metals

Copper – Brass - Bronze



Brass bars R/L 3000 - 4000 mm

Dimensions (mm)	Alloys
Ø 2 - 400 HEX 10 - 70 ■ 10 - 80 — 10x4 - 100x50	CW614N CuZn39Pb3 2.0401
Ø 6 - 303 HEX 14 - 60 ■ 10 - 100 — 20x10 - 130x30 O 24x14 - 122x98	CW713R CuZn37Mn3Al2PbSi 2.0550
Ø 8 - 120	CW710R
Ø 15 - 70	CW723R
Ø 20 - 80	CW708R
Ø 35 - 105	CC762S

Tin bronze

Dimensions (mm)	Alloys
0,15 - 25 x 300 x 2000	CuSn6 / CW452K
Ø 2 - 160 HEX 14 - 55 ■ 8 - 60 — 20x3 - 90x30 O 24,5x19,5 - 75,5x64,5	CuSn8 / CW453K
Ø 10 - 404	CuSn10 / 2.1050 bzw. CC480K
Ø 10 - 404 HEX 22 - 65 ■ 22 - 203 — 32x7 - 312x52 O 26x14 - 353x297	CuSn12 / 2.1052 bzw. CC483K

Copper bars R/L 4000 - 5000mm

Dimensions (mm)	Alloys
Ø 3 - 310 HEX 12 - 41 ■ 5 - 150 — 10x2 - 120x60	CW004A Cu-ETP E-Cu
O 3x0,5 - 159x3	CW024A Cu-DHP SF-Cu
Ø 3 - 310 HEX 12 - 41 ■ 5 - 150 — 10x2 - 120x60 O 40x5 - 50x15	CW021A Cu-HCP SE-Cu

Coper strip, -sheets -plates 600 / 1000 x 2000 / 1250 x 2500 / 1500 x 3000 mm

Dimensions (mm)	Alloys
0,1 - 100	CW004A Cu-ETP E-Cu
0,1 - 100	CW021A Cu-HCP SE-Cu
0,1 - 100	CW024A Cu-DHP SF-Cu



Non-ferrous metals

Gunmetal / Cast iron

Special materials



Leaded bronze (CuPbSn-alloys)

Dimensions (mm)	Alloys
Ø 2 - 160	CuPb5Sn / 2.1170
Ø 2 - 160	CuPb10Sn / 2.1176 bzw. CC495K
Ø 2 - 404	CuPb15Sn / 2.1182 bzw. CC496K
Ø 2 - 404	CuPB20Sn / 2.1188 bzw. CC497K

Aluminium bronze (CuAl-alloys)

Dimensions (mm)	Alloys
Ø 6 - 130	CuAl10Fe3Mn2 / 2.0936
Ø 8 - 404 HEX 10 - 70 ■ 10 - 200 — 20x10 - 400x146 O 27x17 - 233x147 3-15 x 1000 x 2000	CuAl10Ni5Fe4 / 2.0966
Further materials	CuAl11Ni6Fe5 / 2.0978
	CuAl5As / 2.0918
	CuAl8 / 2.0980
	CuAl8Fe3 / 2.0932
	CuAl9Ni3Fe2 / 2.0971
	CuAl9Mn2 / 2.0960
	CuAl7Si2 / CW302G

Gunmetal (CuSn resp. CuSnZn-alloys)

Dimensions (mm)	Alloys
Ø 2 - 404	CC491K RG5 CuSn5ZnPb 2.1096
Ø 2 - 404 HEX 17 - 65 ■ 22 - 263 — 22x12 - 312x52 O 26x14 - 353x297	CC493K RG7 CuSn7ZnPb 2.1090
Ø 2 - 404	RG10 CuSn10Zn 2.1086

Cast iron / Spheroidal cast iron (GG - GGG)

Dimensions (mm)	Alloys
Ø 30 - 410 ■ 30 - 300	GG25 EN-GJL-250 0.6025
Ø 30 - 410 ■ 30 - 300	GGG40 EN-GJS-400-15 0.7040
Ø 30 - 410 ■ 30 - 300	GGG60 EN-GJS-600-3 0.7060



Aluminium

Cut-to-size plates

We offer from our sawing centre
high-precision cut-to-size plates
Cutting tolerances up to 0.2 mm



Hot rolled plates

Thickness
range
(mm)

Alloys / TEMPER

10 - 50	AlMg3 / EN AW-5754 Temper: H111
10 - 200	AlMg4,5Mn0,7 / EN AW-5083 Temper: H111
10 - 150	AlSi1MgMn / EN AW-6082 Temper: T6 - T651
10 - 150	AlZn5,5MgCu / EN AW-7075 Temper: T6 - T651
10 - 150	AlCu4MgSi / EN AW-2017A Temper: T4 - T451

Cast plates, both sides surface machined

Thickness
range
(mm)

Alloys / TEMPER

10 - 60	AlMg4,5Mn0,7 / EN AW-5083 Temper: H111
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BOTH SIDES FOIL-COATED

