

A wide-angle photograph of a large industrial warehouse. The floor is covered with numerous stacks of metal materials, including long rolls of aluminum sheet and various steel profiles. The warehouse has a high ceiling with a complex network of steel beams and overhead cranes. The lighting is bright, coming from industrial fixtures. The overall scene conveys a sense of a well-organized and extensive inventory of metal products.

# Aluminium and Steel under one Roof

Using Synergies



# Using Synergies **ALUMINIUM AND STEEL UNDER ONE ROOF**

As a leading system service provider in the field of steel, stainless steel and aluminium, we are constantly expanding our service and product portfolio for you. We keep the full range of extruded, drawn and rolled products on stock to ensure that you get the goods you need when you need them.

More than 50 bar saws, three aluminium plate saws and sawing possibilities up to a diameter of 950 mm and a thickness of up to 200 mm round off our service range.

Manufactured lengths, fixed lengths, plate pre-cuts or various processing services according to customer drawings? – they're all part of our comprehensive service range.

**Bundle your purchasing – we will support you with our wide product portfolio.**

**DIRECTLY FROM  
WAREHOUSE**

GRADES IN THICKNESSES UP TO

**200**  
**MILLIMETRES**

**HOT ROLLED PLATES**

EN 573-3, EN 485-1, -2, -3

| Thickness range | Alloys                     |
|-----------------|----------------------------|
| 6 – 150 mm      | EN AW-2017A / AlCu4MgSi(A) |
| 6 – 200 mm      | EN AW-5083 / AlMg4,5Mn0,7  |
| 6 – 200 mm      | EN AW-6082 / AlSi1MgMn     |
| 6 – 150 mm      | EN AW-7022 / AlZn5Mg3Cu    |
| 6 – 200 mm      | EN AW-7075 / AlZn5,5MgCu   |

Blanks &lt; 6 mm thick, please inquire separately.

**HOT ROLLED PLATES**TOP AND BOTTOM SURFACE MACHINES  
AND FOIL-COATED

| Thickness range | Alloys                     |
|-----------------|----------------------------|
| 6 – 80 mm       | EN AW-5083 / AlMg4,5 Mn0,7 |
| 6 – 100 mm      | EN AW-6082 / AlSi1MgMn     |
| 8 – 60 mm       | EN AW-7019 / UNIDAL        |
| 10 – 60 mm      | EN AW-7075 / AlZn5,5MgCu   |

**CAST PLATES**TOP AND BOTTOM SURFACE MACHINES  
AND FOIL-COATED

| Thickness range | Alloys                    |
|-----------------|---------------------------|
| 5 – 100 mm      | EN AW-5083 / AlMg4,5Mn0,7 |

**EXTRUDED SQUARE/ FLAT BARS**

EN 573-3, EN 755-1, -2, -4 / -5, HL 3 M

| Thickness range        | Alloys                   |
|------------------------|--------------------------|
| 15 x 10 – 200 x 20 mm  | EN AW-2007 / AlCu4PbMgMn |
| 12 x 12 – 250 x 250 mm | EN AW-2007 / AlCu4PbMgMn |
| 10 x 10 – 100 x 100 mm | EN AW-5019 / AlMg5 NQ    |
| 25 x 10 – 120 x 55 mm  | EN AW-5019 / AlMg5 NQ    |
| 15 x 10 – 200 x 20 mm  | EN AW-6026 LF / AlMgSiBi |
| 12 x 12 – 200 x 200 mm | EN AW-6026 LF / AlMgSiBi |
| 20 x 10 – 100 x 40 mm  | EN AW-6060 / AlMgSi      |
| 8 x 8 – 100 x 100 mm   | EN AW-6060 / AlMgSi      |
| 20 x 10 – 200 x 20 mm  | EN AW-6082 / AlSi1MgMn   |
| 20 x 20 – 200 x 200 mm | EN AW-6082 / AlSi1MgMn   |
| 30 x 30 – 150 x 150 mm | EN AW-7075 / AlZn5,5MgCu |

**DRAWN ROUND BARS**

EN 573-3, EN 754-1, -2, -3

CHAMFERED ON ONE SIDE, HL 3 M

| Dimensions   | Alloys                   |
|--------------|--------------------------|
| Ø 8 – 80 mm  | EN AW-2007 / AlCu4PbMgMn |
| Ø 10 – 65 mm | EN AW-6026 LF / AlMgSiBi |
| Ø 8 – 70 mm  | EN AW-6082 / AlSi1MgMn   |
| Ø 10 – 60 mm | EN AW-7075 / AlZn5,5MgCu |

**CAST ROUND BARS**

HOMOGENISED, PRE-TURNED

EN 573-3, HL 1 - 1,5 M

| Dimensions     | Alloys                     |
|----------------|----------------------------|
| Ø 250 – 620 mm | EN AW-2007 / AlCu4PbMgMn   |
| Ø 165 – 305 mm | EN AW-2017A / AlCu4MgSi(A) |
| Ø 150 – 530 mm | EN AW-5083 / AlMg4,5Mn0,7  |
| Ø 250 – 460 mm | EN AW-6082 / AlSi1MgMn     |

**EXTRUDED ROUND BARS**

EN 573-3, EN 755-1, -2, -3, HL 3 M

| Thickness range | Alloys                        |
|-----------------|-------------------------------|
| Ø 20 – 450 mm   | EN AW-2007 / AlCu4PbMgMn      |
| Ø 20 – 250 mm   | EN AW-2017A / AlCu4MgSi(A)    |
| Ø 20 – 250 mm   | EN AW-2033 LF / AlCu2,5BiMnMg |
| Ø 10 – 270 mm   | EN AW-5019 / AlMg5 NQ         |
| Ø 30 – 300 mm   | EN AW-5019 / AlMg5 EQ         |
| Ø 20 – 200 mm   | EN AW-5754 / AlMg3            |
| Ø 12 – 200 mm   | EN AW-5083 / AlMg4,5Mn0,7     |
| Ø 20 – 250 mm   | EN AW-6026 LF / AlMgSiBi      |
| Ø 8 – 80 mm     | EN AW-6060 / AlMgSi           |
| Ø 16 – 450 mm   | EN AW-6082 / AlSi1MgMn        |
| Ø 20 – 450 mm   | EN AW-7075 / AlZn5,5MgCu      |
| Ø 40 – 150 mm   | EN AW-7075 / T73511           |

Other grades and dimensions on request.

**ALUMINIUM ALLOYS**

## EN DESIGNATION

## DIN DESIGNATION

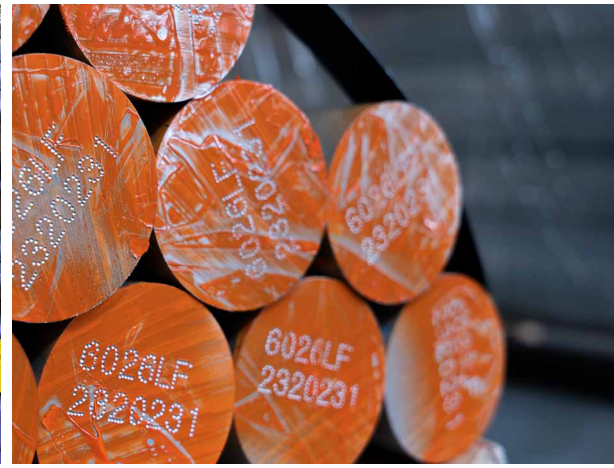
| Designation EN | Material designation EN | Material number | Material designation DIN | Density g/cm <sup>3</sup> |
|----------------|-------------------------|-----------------|--------------------------|---------------------------|
| EN AW-1050A    | EN AW-Al99,5            | 3.0255          | Al99,5                   | 2,70                      |
| EN AW-2007     | EN AW-AlCu4PbMgMn       | 3.1645          | AlCuMgPb                 | 2,85                      |
| EN AW-2011     | EN AW-AlCu6BiPb         | 3.1655          | AlCuBiPb                 | 2,82                      |
| EN AW-2017A    | EN AW-AlCu4MgSi(A)      | 3.1325          | AlCuMg1                  | 2,80                      |
| EN AW-2024     | EN AW-AlCu4Mg1          | 3.1355          | AlCuMg2                  | 2,77                      |
| EN AW-2033 LF  | AlCu2,5BiMnMg           | -               | AlCu2,5BiMnMg            | 2,77                      |
| EN AW-5019     | EN AW-AlMg5             | 3.3555          | AlMg5                    | 2,64                      |
| EN AW-5083     | EN AW-AlMg4,5Mn0,7      | 3.3547          | AlMg4,5Mn                | 2,66                      |
| EN AW-5754     | EN AW-AlMg3             | 3.3535          | AlMg3                    | 2,66                      |
| EN AW-6012     | EN AW-AlMgSiPb          | 3.0615          | AlMgSiPb                 | 2,75                      |
| EN AW-6026 LF  | EN AW-AlMgSiBi          | -               | AlMgSiBi                 | 2,72                      |
| EN AW-6060     | EN AW-AlMgSi            | 3.3206          | AlMgSi0,5                | 2,70                      |
| EN AW-6082     | EN AW-AlSi1MgMn         | 3.2315          | AlMgSi1                  | 2,70                      |
| EN AW-7020     | EN AW-AlZn4,5Mg1        | 3.4335          | AlZn4,5Mg1               | 2,77                      |
| EN AW-7022     | EN AW-AlZn5Mg3Cu        | 3.4345          | AlZnMgCu0,5              | 2,78                      |
| EN AW-7075     | EN AW-AlZn5,5MgCu       | 3.4365          | AlZnMgCu1,5              | 2,80                      |

**STANDARDS**

| Designation EN          | Alloy Composition   | Technical Terms of delivery | Mechanical Terms of delivery | Limit dimensions/ Tolerance |
|-------------------------|---------------------|-----------------------------|------------------------------|-----------------------------|
| Drawn round bars        | EN 573-3 (DIN 1725) | EN 754-1                    | EN 754-2 (DIN 1747)          | EN 754-3 (DIN 1798)         |
| Extruded round bars     | EN 573-3 (DIN 1725) | EN 755-1                    | EN 755-2 (DIN 1747)          | EN 755-3 (DIN 1799)         |
| Drawn hexagonal bars    | EN 573-3 (DIN 1725) | EN 754-1                    | EN 754-2 (DIN 1747)          | EN 754-6 (DIN 1797)         |
| Extruded hexagonal bars | EN 573-3 (DIN 1725) | EN 755-1                    | EN 755-2 (DIN 1747)          | EN 755-6 (DIN 59701)        |
| Drawn square bars       | EN 573-3 (DIN 1725) | EN 754-1                    | EN 754-2 (DIN 1747)          | EN 754-4 (DIN 1796)         |
| Extruded square bars    | EN 573-3 (DIN 1725) | EN 755-1                    | EN 755-2 (DIN 1747)          | EN 755-4 (DIN 59700)        |
| Drawn flat bars         | EN 573-3 (DIN 1725) | EN 754-1                    | EN 754-2 (DIN 1747)          | EN 754-5 (DIN 1769)         |
| Extruded flat bars      | EN 573-3 (DIN 1725) | EN 755-1                    | EN 755-2 (DIN 1747)          | EN 755-5 (DIN 1770)         |
| Plates/hot rolled       | EN 573-3 (DIN 1725) | EN 485-1                    | EN 485-2                     | EN 485-3                    |

( ) = previous standard

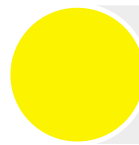
Data subject to change



## AL COLOUR CODES AND AL ALLOYS



EN AW-1050A  
RAL 3020/9004 red/black



EN AW-5754  
RAL 1023 yellow



EN AW-2007  
RAL 9004 black



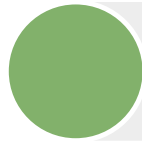
EN AW-6012  
RAL 9010 white



EN AW-2011  
RAL 3020 red



EN AW-6026 LF  
RAL 2004/5010 orange/blue



EN AW-2017A  
RAL 6002 green



EN AW-6060  
colourless



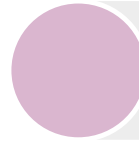
EN AW-2024  
RAL 2004 orange



EN AW-6082  
RAL 5010 blue



EN AW-2033 LF  
RAL 3015/5010 pink/blue



EN AW-7020  
RAL 3015 pink



EN AW-5019  
RAL 1023/5010 yellow/blue



EN AW-7022  
RAL 7035 grey



EN AW-5083  
RAL 8002 brown



EN AW-7075  
RAL 4005 purple



Central Warehouse Kornwestheim

## Your added value from our cooperation – Extensive one-stop support

We advise you competently and comprehensively and will be glad to support you with our high-quality and varied portfolio.

**We look forward to hearing from you and helping you with any questions.**

### **Günther + Schramm GmbH**

Heidenheimer Str. 65  
D-73447 Oberkochen

Phone: +49 (0) 73 64 24 -0  
Fax: +49 (0) 73 64 24 -130  
E-mail: [info@gs-stahl.de](mailto:info@gs-stahl.de)  
Online: [www.gs-stahl.de](http://www.gs-stahl.de)

|                              |                       |
|------------------------------|-----------------------|
| Postcode region 7            | +49 (0) 73 64 24 -270 |
| Postcode region 8/9/0        | +49 (0) 73 64 24 -280 |
| Contract Production          | +49 (0) 73 64 24 -250 |
| Material & Process Logistics | +49 (0) 73 64 24 -260 |

### **Branch Office Mannheim**

Essener Straße 25a  
D-68219 Mannheim

Postcode region 5/6/7, F, CH +49 (0) 6 2180 425 -0