

Aluminium

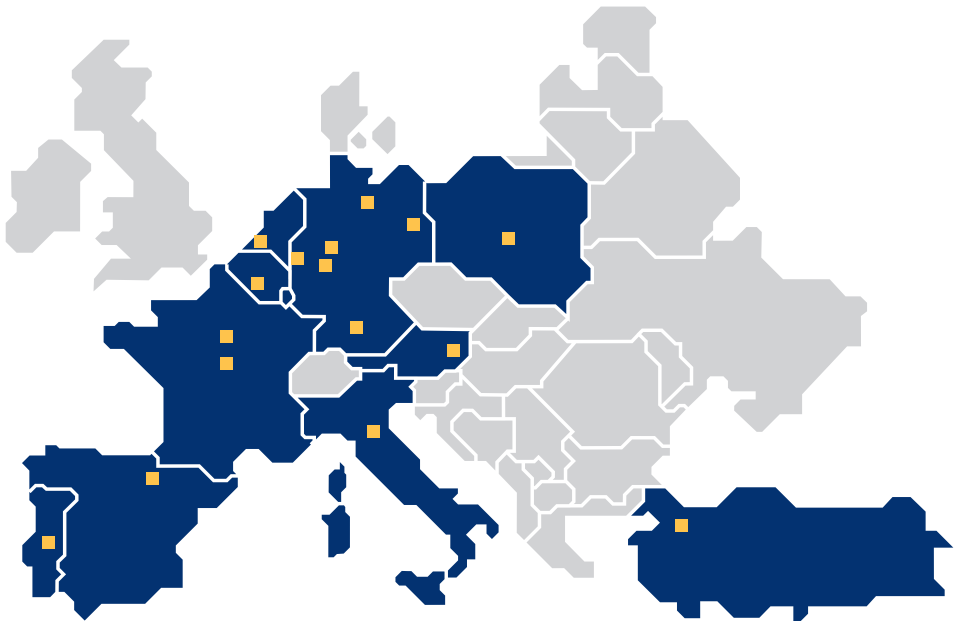
## IMS Nederland : your reliable partner for steel, stainless steel and aluminum since 1954

IMS Nederland was founded in 1954 in Schiedam, as the Dutch branch of the German group SCHMOLZ+BICKENBACH. Initially, the range mainly consisted of (bare) steel. Over the years, quality steel, stainless steel and aluminium have been added to the delivery program and IMS Nederland has developed into an all-round supplier

Since 2015, the company has been part of the France-based IMS group, which was created in 1980 from the merger of various trading companies and has been part of Jacquet Metal Service since 2010.

IMS group offers a wide range of bar, sheet and tube material in many qualities. These products meet specific requirements that ensure excellent machining by our customers (forging, machining, bending, welding, heat treatment) and have certain mechanical properties when processed. They are used in the production of parts that are subject to severe mechanical loads, such as in many types of machines, engines, lifting equipment, heavy transport equipment, shafts, gears, springs, valves, valves, the automotive industry and the energy sector.

IMS group is now represented in 15 European countries and has 60 distribution centres with a total of approx. 1950 employees



**2011**

This alloy performs remarkably well on high speed automatic lathes. It provides the following benefits:

- » good machinability
- » smaller chip than most other alloys

- » longer tool life
- » high mechanical properties

As the lead content is <0.4%, this alloy complies with the RoHS standard.

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb
chemical composition %	≤0,4	≤0,7	5,0 + 6,0				≤0,3		0,2 + 0,6	<0,4

MINIMAL MECHANICAL PROPERTIES				
	Rm N/mm <sup>2</sup>	RP 0,2 N/mm <sup>2</sup>	Elongation A5 %	BRINELL HARDNESS HB
T8	370	270	8	110
EURAL	400	310	15	120

**2007 - 2030**

Good mechanical properties of a machinable alloy are achieved in the 2007 - 2030 alloy.

This alloy is selected when a combination of good machinability and high mechanical properties is required. However, 2007 - 2030 has a low corrosion resistance..

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Bi	Pb
chemical composition %	≤0,8	≤0,7	3,3 + 4,5	0,5 + 1	0,5 + 1,3	≤0,1	≤0,5	≤0,2	≤0,2	<1

MINIMAL MECHANICAL PROPERTIES				
	Rm N/mm <sup>2</sup>	RP 0,2 N/mm <sup>2</sup>	Elongation A5 %	BRINELL HARDNESS HB
T4	340	220	7	100

**6082**

This alloy has reasonable mechanical properties, but is more difficult to machine on automatic lathes.

This alloy is also weldable and can be anodised reasonably well.

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
chemical composition %	0,7 + 1,3	≤0,50	≤0,10	0,40 + 1,00	0,6 + 1,2	≤0,25	≤0,20	≤0,10

MINIMAL MECHANICAL PROPERTIES				
	Rm N/mm <sup>2</sup>	RP 0,2 N/mm <sup>2</sup>	Elongation A5 %	BRINELL HARDNESS HB
T4	260	240	10	95

**6026**

This alloy is chosen when machinability, corrosion resistance and anodisability come together in 1 product. The mechanical properties of this alloy are also in the medium to high range.

This material has the following advantages:

- » good machinability on high speed automatic lathes
- » can be (hard) anodised well
- » high mechanical properties

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi
<b>chemical composition %</b>	0,6 ÷ 1,4	≤ 0,7	0,2 ÷ 0,5	0,2 ÷ 1,0	0,6 ÷ 1,2	≤ 0,3	≤ 0,3	≤ 0,2	≤ 0,4	0,5 ÷ 1,5

<b>MINIMAL MECHANICAL PROPERTIES</b>				
	Rm N/mm <sup>2</sup>	RP 0,2 N/mm <sup>2</sup>	Elongation A5 %	BRINELL HARDNESS HB
<b>T9</b>	360	330	4	95
<b>Eural T9</b>	400	380	8	110

## Aluminium round bars



	D in mm	AlCuBiPb 2011	AlCuMg1 2017A	6026	AlZnMgCu 7075	AlCuMgPb 2007/2030	AlMgSiPb 6012	AlMgSi1 51 ST 6082	AlMgSi0,5 6060/6063
Round	5	•	o	•					
Round	6	•	o	•					o
Round	7	•	o	•					o
Round	8	•	o	•				•	o
Round	9	•	o	•					
Round	10	•	o	•		•		•	o
Round	11	•	o	•		•			
Round	12	•	o	•		•		•	o
Round	13	•	o	•		•			
Round	14	•	o	•		•			
Round	15	•	o	•	•	•	o	•	o
Round	16	•	o	•	•	•	o	•	o
Round	17	•	o	•		•			
Round	18	•	o	•	•	•	o	•	o
Round	19	•	o	•		•			
Round	20	•	o	•	•	•	o	•	o
Round	21	•	o	•					
Round	22	•	o	•	•	•	o	•	o
Round	23	•	o	•		•			
Round	24	•	o	•	•	•	o		
Round	25	•	o	•	•	•	o	•	o
Round	26	•	o	•	•	•	o		
Round	27	•	o	•	•		o		
Round	28	•	o	•	•	•	o	•	o
Round	29	•	o	•					
Round	30	•	o	•	•	•	o	•	o
Round	31	•	o	•					
Round	32	•	o	•	•	•	o	•	o
Round	33	•	o	•	•		o		
Round	34	•	o	•	•		o		
Round	35	•	o	•	•	•	o	•	o
Round	36	•	o	•	•	•	o		
Round	37	•	o	•					
Round	38	•	o	•	•	•	o		
Round	39	•	o	•					
Round	40	•	o	•	•	•	o	•	o
Round	41	•	o	•	•		o		
Round	42	•	o	•	•	•	o		
Round	43	•	o	•	•	•	o		
Round	44	•	o	•	•		o		
Round	45	•	o	•	•	•	o	•	o
Round	46	•	o	•	•		o		
Round	47	•	o	•					
Round	48	•	o	•	•		o		
Round	49	•	o	•					
Round	50	•	o	•	•	•	o	•	o
Round	51	•	o	•					
Round	52	•	o	•	•		o		

ALUMINIUM ROUND BARS

	D in mm	AlCuBiPb 2011	AlCuMg1 2017A	6026	AlZnMgCu 7075	AlCuMgPb 2007/2030	AlMgSiPb 6012	AlMgSi1 51 ST 6082	AlMgSi0,5 6060/6063
Round	53	•	o	•					
Round	54	•	o	•					
Round	55	•	o	•	•	•	o	•	
Round	56	•	o	•					
Round	57	•	o	•					
Round	58	•	o	•					
Round	59	•	o	•					
Round	60	•	o	•	•	•	o	•	o
Round	61	•	o	•					
Round	62	•	o	•					
Round	63	•	o	•					
Round	64	•	o	•					
Round	65	•	o	•	•	•	o	•	
Round	66	•	o	•					
Round	67	•	o	•					
Round	68	•	o	•					
Round	69	•	o	•					
Round	70	•	o	•	•	•	o	•	
Round	71	•	o	•					
Round	72	•	o	•					
Round	73	•	o	•					
Round	74	•	o	•					
Round	75	•	o	•	•	•	o	•	
Round	76	•	o	•					
Round	77	•	o	•					
Round	78	•	o	•					
Round	79	•	o	•					
Round	80	•	o	•	•	•	o	•	
Round	81	•	o	•					
Round	82	•	o	•					
Round	83	•	o	•					
Round	84	•	o	•					
Round	85	•	o	•	•	•	o	•	
Round	86	•	o	•					
Round	87	•	o	•					
Round	88	•	o	•					
Round	89	•	o	•					
Round	90	•	o	•	•	•	o	•	
Round	91	•	o	•					
Round	92	•	o	•					
Round	93	•	o	•					
Round	94	•	o	•					
Round	95	•	o	•	•	•	o		
Round	96	•	o	•					
Round	97	•	o	•					
Round	98	•	o	•					
Round	99	•	o	•					
Round	100	•	o	•	•	•	o	•	

ALUMINIUM ROUND BARS

	D in mm	AlCuBiPb 2011	AlCuMg1 2017A	6026	AlZnMgCu 7075	AlCuMgPb 2007/2030	AlMgSiPb 6012	AlMgSi1 51 ST 6082	AlMgSi0,5 6060/6063
Round	105	•	o	•	•	•	o		
Round	110	•	o	•	•	•	o	•	
Round	115	•	o	•	•		o		
Round	120	•	o	•	•	•	o	•	
Round	125	•	o	•	•	•	o	•	
Round	130	•	o	•	•	•	o	•	
Round	135	•	o	•	•		o		
Round	140	•	o	•	•	•	o	•	
Round	145	•	o	•	•		o		
Round	150	•	o	•	•	•	o	•	
Round	155	•	o	•					
Round	160	•	o	•	•	•	o	•	
Round	170	•	o	•	•	•	o	•	
Round	175	•	o	•					
Round	180	•	o	•	•	•	o	•	
Round	190	•	o	•	•	•	o	•	
Round	200	•	o	•	•	•	o	•	
Round	210	o	o	o	o	o		o	
Round	215	o	o	o	o	o			
Round	220	o	o	o	o	o			
Round	225	o			o			o	
Round	230	o	o	o	o	o		o	
Round	240	o	o	o	o	o		o	
Round	250	o	o	o	o	o		o	
Round	255				o			o	
Round	260				o			o	
Round	270				o			o	
Round	275				o			o	
Round	280		o	o	o	o		o	
Round	300		o	o	o	o		o	
Round	305				o			o	
Round	350		o	o	o	o		o	
Round	360				o			o	
Round	400		o	o	o	o		o	
Round	410		o	o	o				
Round	420		o	o	o				
Round	430		o	o	o				
Round	435		o	o	o				
Round	450		o	o	o			o	
Round	460		o	o	o			o	
Round	480		o	o	o			o	
Round	500		o	o	o			o	
Round	510		o	o	o			o	

• = stock in the Netherlands

o = stock in Germany





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Global aluminium production consists of

**40** %

recycled material

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## Aluminium profiles

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Wide choice of profiles in the alloy  
6060 – 6063.

From stock we deliver:

- » square, rectangular and round tubes
- » flat and square bars
- » angle-, T- en U-profiles

We work with several leading European extrusion companies, which have a wide delivery program.

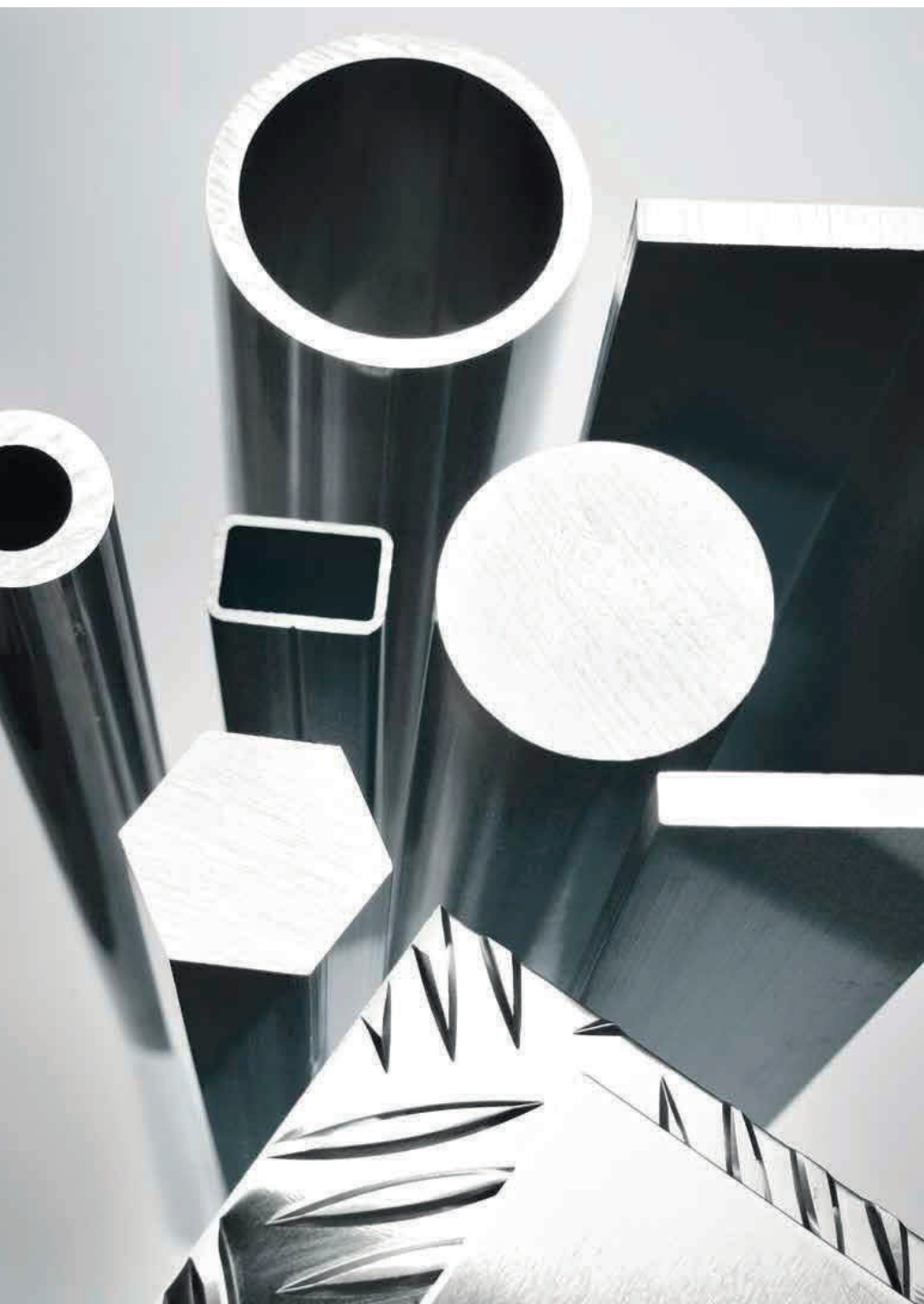
As the alloys in the 6000 series very often require an optimum surface quality,

we also place the highest demands on these products.

These profiles are easy to weld. They are also easy to anodize, paint and powder coat.

We also take care of the production of profiles according to drawings for our customers.

Qualities: AIMgSi0,5 EN 6060 - 6063  
AIMgSi1 EN 6082



ALUMINIUM BARS

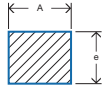
Aluminium bars Square AlMgSi1/51ST/6082 AlCuMgPb/2007		Aluminium bars Square AlMgSi1/51ST/6082 AlCuMgPb/2007		Aluminium bars Square AlMgSi1/51ST/6082 AlCuMgPb/2007		Aluminium bars Square AlMgSi1/51ST/6082 AlCuMgPb/2007		Aluminium bars Square AlMgSi1/51ST/6082 AlCuMgPb/2007	
D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m
8	0,17	20	1,08	50	6,75	100	27,00	200	108,00
10	0,27	25	1,69	60	9,72	110	32,70	250	169,00
12	0,39	30	2,43	70	13,20	120	38,90		
15	0,61	35	3,31	75	15,20	150	61,00		
16	0,69	40	4,32	80	17,28	180	87,00		



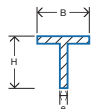
Aluminium bars Hexagon AlCuMgPb/2007 AlMgSi1/6082		Aluminium bars Hexagon AlCuMgPb/2007 AlMgSi1/6082		Aluminium bars Hexagon AlCuMgPb/2007 AlMgSi1/6082		Aluminium bars Hexagon AlCuMgPb/2007 AlMgSi1/6082		Aluminium bars Hexagon AlCuMgPb/2007 AlMgSi1/6082	
D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m	D in mm	Kg/m
6	0,09	13	0,41	19	0,88	24	1,40	36	3,14
7	0,12	14	0,48	21	1,07	27	1,77		
10	0,24	17	0,70	22	1,17	32	2,48		



Aluminium flat bars AlMgSi0,5 / 6060															
Width in mm	Thickness in mm														
	2	3	4	5	6	8	10	12	15	20	25	30	35	40	50
10	•	•	•	•		•									
12					•	•									
15	•	•	•	•	•	•	•								
18		•													
20	•	•	•	•	•	•	•	•	•						
25	•	•	•	•	•	•	•	•	•	•					
30	•	•	•	•	•	•	•	•	•	•	•				
35	•	•	•	•	•	•	•	•	•	•	•	•			
40	•	•	•	•	•	•	•	•	•	•	•	•	•		
45		•					•								
50	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
60	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
70	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
80	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
90				•			•								
100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
120				•			•					•			
150				•			•	•	•	•					
180							•								
200				•			•		•	•					

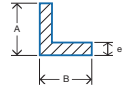


Aluminium T-profile AlMgSi0,5/6060		Aluminium T-profile AlMgSi0,5/6060		Aluminium T-profile AlMgSi0,5/6060		Aluminium T-profile AlMgSi0,5/6060		Aluminium T-profile AlMgSi0,5/6060	
A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m
15 x 15 x 2,0	0,15	25 x 25 x 3,0	0,38	40 x 30 x 2,0	0,37	45 x 45 x 3,0	0,70	60 x 60 x 3,0	0,95
15 x 15 x 3,0	0,22	30 x 30 x 2,0	0,32	40 x 40 x 2,0	0,42	50 x 50 x 3,0	0,79	60 x 60 x 6,0	1,85
20 x 20 x 2,0	0,21	30 x 30 x 3,0	0,46	40 x 40 x 3,0	0,62	50 x 50 x 4,0	1,04	80 x 50 x 5,0	1,69
25 x 25 x 2,0	0,26	35 x 35 x 3,0	0,54	40 x 40 x 4,0	0,82	50 x 50 x 5,0	1,28		



ALUMINIUM PROFILES

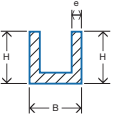
Aluminium angle AlMgSi0,5/6060		Aluminium angle AlMgSi0,5/6060		Aluminium angle AlMgSi0,5/6060		Aluminium angle AlMgSi0,5/6060		Aluminium angle AlMgSi0,5/6060	
A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m
10 x 10 x 1,5	0,08	30 x 15 x 3,0	0,34	40 x 30 x 3,0	0,54	60 x 15 x 2,0	0,40	80 x 20 x 2,0	0,53
10 x 10 x 2,0	0,10	30 x 20 x 2,0	0,26	40 x 30 x 4,0	0,72	60 x 20 x 2,0	0,42	80 x 25 x 2,0	0,56
12 x 12 x 2,0	0,12	30 x 20 x 3,0	0,38	40 x 40 x 2,0	0,42	60 x 25 x 2,0	0,49	80 x 30 x 3,0	0,87
15 x 10 x 2,0	0,12	30 x 20 x 4,0	0,50	40 x 40 x 3,0	0,62	60 x 25 x 3,0	0,66	80 x 40 x 3,0	0,95
15 x 15 x 1,5	0,11	30 x 25 x 2,0	0,29	40 x 40 x 4,0	0,82	60 x 30 x 2,0	0,48	80 x 40 x 4,0	1,25
15 x 15 x 2,0	0,15	30 x 30 x 2,0	0,31	40 x 40 x 5,0	1,01	60 x 30 x 3,0	0,71	80 x 50 x 6,0	2,01
15 x 15 x 3,0	0,22	30 x 30 x 3,0	0,47	45 x 45 x 3,0	0,70	60 x 30 x 4,0	0,93	80 x 60 x 3,0	1,27
20 x 10 x 1,5	0,12	30 x 30 x 4,0	0,61	50 x 15 x 2,0	0,34	60 x 40 x 2,0	0,53	80 x 80 x 5,0	2,09
20 x 10 x 2,0	0,15	30 x 30 x 5,0	0,74	50 x 20 x 2,0	0,37	60 x 40 x 3,0	0,79	80 x 80 x 8,0	3,30
20 x 15 x 2,0	0,18	35 x 15 x 2,0	0,26	50 x 20 x 3,0	0,54	60 x 40 x 4,0	1,04	100 x 20 x 2,0	0,64
20 x 20 x 1,0	0,11	35 x 20 x 2,0	0,29	50 x 25 x 2,0	0,39	60 x 40 x 5,0	1,29	100 x 30 x 3,0	1,03
20 x 20 x 1,5	0,16	35 x 20 x 3,0	0,42	50 x 25 x 3,0	0,59	60 x 60 x 2,0	0,64	100 x 40 x 4,0	1,47
20 x 20 x 2,0	0,21	35 x 25 x 2,0	0,31	50 x 25 x 4,0	0,77	60 x 60 x 3,0	0,95	100 x 50 x 3,0	1,19
20 x 20 x 3,0	0,30	35 x 35 x 2,0	0,37	50 x 30 x 2,0	0,42	60 x 60 x 4,0	1,25	100 x 50 x 5,0	1,96
20 x 20 x 4,0	0,39	35 x 35 x 3,0	0,54	50 x 30 x 3,0	0,62	60 x 60 x 5,0	1,55	100 x 60 x 6,0	2,49
25 x 10 x 2,0	0,18	35 x 35 x 4,0	0,71	50 x 30 x 4,0	0,82	60 x 60 x 6,0	1,85	100 x 64 x 8,0	3,37
25 x 15 x 2,0	0,21	35 x 35 x 5,0	0,88	50 x 30 x 5,0	1,01	60 x 60 x 8,0	2,42	100 x 100 x 6,0	3,14
25 x 20 x 2,0	0,23	40 x 20 x 2,0	0,31	50 x 40 x 4,0	0,93	70 x 25 x 2,5	0,62	100 x 100 x 10,0	5,13
25 x 20 x 3,0	0,35	40 x 20 x 3,0	0,46	50 x 50 x 2,0	0,53	70 x 40 x 2,0	0,58	120 x 80 x 10,0	5,13
25 x 25 x 1,5	0,20	40 x 20 x 4,0	0,61	50 x 50 x 3,0	0,79	70 x 70 x 3,0	1,11	150 x 50 x 8,0	4,15
25 x 25 x 2,0	0,26	40 x 25 x 2,0	0,34	50 x 50 x 4,0	1,04	70 x 70 x 7,0	2,54	150 x 75 x 8,0	4,69
25 x 25 x 3,0	0,38	40 x 25 x 3,0	0,50	50 x 50 x 5,0	1,28	75 x 20 x 2,0	0,50		
25 x 25 x 4,0	0,50	40 x 30 x 1,5	0,28	50 x 50 x 6,0	1,52	75 x 50 x 5,0	1,62		
30 x 15 x 2,0	0,24	40 x 30 x 2,0	0,37	50 x 50 x 10,0	2,43				



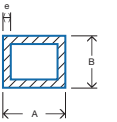
Aluminium tube AlMgSi0,5/6060		Aluminium tube AlMgSi0,5/6060		Aluminium tube AlMgSi0,5/6060		Aluminium tube AlMgSi0,5/6060		Aluminium tube AlMgSi0,5/6060	
Ø x wall mm	Kg/m	Ø x wall mm	Kg/m	Ø x wall mm	Kg/m	Ø x wall mm	Kg/m	Ø x wall mm	Kg/m
6 x 1,0	0,04	25 x 2,5	0,48	40 x 2,0	0,64	60 x 2,0	0,98	100 x 2,0	1,66
8 x 1,0	0,06	25 x 3,0	0,56	40 x 2,5	0,79	60 x 2,5	1,22	100 x 3,0	2,47
10 x 1,0	0,08	25 x 5,0	0,85	40 x 3,0	0,94	60 x 3,0	1,45	100 x 4,0	3,26
12 x 1,0	0,09	28 x 1,5	0,34	40 x 5,0	1,48	60 x 5,0	2,33	100 x 5,0	4,03
12 x 1,5	0,13	28 x 3,0	0,64	42 x 3,0	0,99	60 x 6,0	2,75	100 x 10,0	7,60
13 x 1,0	0,10	30 x 1,5	0,36	42 x 4,0	1,29	60 x 10,0	4,24	108 x 3,0	2,67
13 x 1,5	0,15	30 x 2,0	0,48	44 x 1,5	0,54	62 x 2,0	1,02	110 x 5,0	4,45
14 x 1,0	0,11	30 x 2,5	0,58	45 x 1,5	0,55	63 x 3,0	1,53	112 x 2,5	2,32
14 x 1,5	0,16	30 x 3,0	0,68	45 x 2,0	0,73	70 x 3,0	1,70	120 x 3,0	2,98
14 x 2,0	0,20	30 x 5,0	1,06	45 x 2,5	0,90	70 x 5,0	2,76	120 x 4,0	3,93
15 x 1,5	0,17	32 x 1,5	0,39	45 x 3,0	1,07	70 x 8,0	4,24	120 x 5,0	4,87
16 x 1,0	0,13	32 x 3,0	0,75	48 x 1,5	0,59	70 x 10,0	5,18	120 x 10,0	9,30
16 x 1,5	0,18	33 x 3,0	0,76	48 x 3,0	1,14	75 x 2,0	1,24	125 x 2,0	2,20
16 x 2,0	0,24	35 x 2,0	0,56	48 x 4,0	1,49	76 x 3,0	1,86	125 x 4,0	4,10
16 x 3,0	0,33	35 x 2,5	0,69	50 x 1,5	0,62	80 x 2,0	1,32	125 x 12,5	11,90
18 x 1,5	0,21	35 x 3,0	0,81	50 x 2,0	0,81	80 x 4,0	2,58	130 x 5,0	5,30
19 x 1,5	0,22	35 x 5,0	1,27	50 x 2,5	1,01	80 x 5,0	3,18	133 x 4,0	4,37
20 x 1,5	0,24	35 x 6,0	1,48	50 x 3,0	1,20	80 x 10,0	5,90	135 x 5,0	5,50
20 x 2,0	0,31	36 x 1,5	0,44	50 x 5,0	1,91	84 x 2,0	1,39	140 x 4,0	4,61
20 x 5,0	0,64	37 x 2,5	0,73	52 x 1,5	0,64	85 x 2,5	1,75	150 x 5,0	6,10
22 x 1,5	0,26	38 x 3,0	0,89	55 x 2,5	1,11	89 x 3,0	2,19	150 x 10,0	12,10
22 x 2,0	0,34	38 x 4,0	1,15	57 x 2,0	0,93	90 x 2,0	1,49	160 x 5,0	6,60
25 x 1,5	0,30	40 x 1,5	0,49	57 x 5,0	2,20	90 x 3,0	2,21	165 x 5,0	6,80
25 x 2,0	0,39			60 x 1,5	0,74	90 x 5,0	3,60	200 x 5,0	8,30



ALUMINIUM PROFILES



Aluminum U-profile AlMgSi0,5/6060		Aluminum U-profile AlMgSi0,5/6060		Aluminum U-profile AlMgSi0,5/6060		Aluminum U-profile AlMgSi0,5/6060		Aluminum U-profile AlMgSi0,5/6060	
A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m
10 x 10 x 10 x 1,5	0,11	20 x 15 x 20 x 2,0	0,28	25 x 20 x 25 x 2,0	0,36	30 x 40 x 30 x 4,0	0,99	40 x 60 x 40 x 4,0	1,43
10 x 10 x 10 x 2,0	0,14	20 x 15 x 20 x 3,0	0,40	25 x 25 x 25 x 2,0	0,38	30 x 50 x 30 x 3,0	0,84	40 x 60 x 40 x 5,0	1,76
10 x 20 x 10 x 2,0	0,19	20 x 20 x 20 x 1,5	0,23	25 x 25 x 25 x 3,0	0,56	30 x 60 x 30 x 4,0	1,21	40 x 80 x 40 x 4,0	1,64
15 x 10 x 15 x 1,5	0,15	20 x 20 x 20 x 2,0	0,30	25 x 30 x 25 x 2,0	0,42	30 x 80 x 30 x 3,0	1,09	45 x 45 x 45 x 2,0	0,71
15 x 15 x 15 x 1,5	0,17	20 x 20 x 20 x 3,0	0,46	25 x 35 x 25 x 2,0	0,44	32 x 34 x 32 x 2,0	0,51	50 x 50 x 50 x 3,0	1,17
15 x 15 x 15 x 2,0	0,22	20 x 25 x 20 x 2,0	0,33	25 x 40 x 25 x 3,0	0,68	35 x 25 x 35 x 2,0	0,49	50 x 50 x 50 x 4,0	1,53
15 x 15 x 15 x 3,0	0,32	20 x 25 x 20 x 3,0	0,48	25 x 45 x 25 x 3,0	0,72	35 x 35 x 35 x 2,0	0,55	50 x 50 x 50 x 5,0	1,89
15 x 20 x 15 x 2,0	0,25	20 x 30 x 20 x 2,0	0,36	25 x 50 x 25 x 3,0	0,76	40 x 40 x 40 x 2,0	0,62	50 x 80 x 50 x 5,0	2,30
15 x 25 x 15 x 2,0	0,28	20 x 30 x 20 x 3,0	0,52	30 x 15 x 30 x 3,0	0,56	40 x 40 x 40 x 3,0	0,92	50 x 100 x 50 x 5,0	2,60
15 x 30 x 15 x 2,0	0,30	20 x 35 x 20 x 2,0	0,38	30 x 20 x 30 x 2,0	0,41	40 x 40 x 40 x 4,0	1,21	60 x 140 x 60 x 7,0	4,65
15 x 30 x 15 x 3,0	0,44	20 x 40 x 20 x 2,0	0,41	30 x 25 x 30 x 2,0	0,44	40 x 50 x 40 x 3,0	1,00	63 x 125 x 63 x 6,0	3,87
15 x 50 x 15 x 3,0	0,60	20 x 40 x 20 x 3,0	0,60	30 x 30 x 30 x 2,0	0,46	40 x 50 x 40 x 4,0	1,32	64 x 100 x 64 x 6,4	3,72
18 x 18 x 18 x 2,0	0,27	22 x 22 x 22 x 2,0	0,34	30 x 30 x 30 x 3,0	0,68	40 x 50 x 40 x 5,0	1,62	80 x 125 x 80 x 8,0	5,81
20 x 12 x 20 x 1,5	0,26	25 x 20 x 25 x 1,5	0,31	30 x 40 x 30 x 3,0	0,76	40 x 60 x 40 x 3,0	1,09	80 x 160 x 80 x 10,0	8,10



Aluminium hollow section AlMgSi0,5/6060		Aluminium hollow section AlMgSi0,5/6060		Aluminium hollow section AlMgSi0,5/6060		Aluminium hollow section AlMgSi0,5/6060		Aluminium hollow section AlMgSi0,5/6060	
A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m	A x B x e (mm)	Kg/m
15 x 15 x 1,0	0,16	35 x 20 x 2,0	0,57	50 x 30 x 2,5	1,05	65 x 65 x 2,0	1,38	100 x 50 x 4,0	3,15
15 x 15 x 1,5	0,23	35 x 25 x 2,0	0,63	50 x 30 x 3,0	1,25	65 x 65 x 2,5	1,71	100 x 50 x 5,0	3,92
15 x 15 x 2,0	0,30	35 x 35 x 1,5	0,56	50 x 40 x 2,0	0,95	70 x 70 x 2,0	1,49	100 x 60 x 4,0	3,37
20 x 10 x 1,5	0,23	35 x 35 x 2,0	0,73	50 x 40 x 2,5	1,18	70 x 70 x 4,0	2,85	100 x 100 x 2,0	2,14
20 x 15 x 2,0	0,36	35 x 35 x 2,5	0,90	50 x 40 x 4,0	1,86	80 x 20 x 2,0	1,06	100 x 100 x 4,0	4,15
20 x 20 x 1,0	0,21	35 x 35 x 3,0	1,06	50 x 50 x 2,0	1,06	80 x 30 x 2,0	1,17	100 x 100 x 5,0	5,10
20 x 20 x 1,2	0,26	40 x 20 x 1,5	0,47	50 x 50 x 3,0	1,55	80 x 40 x 2,0	1,27	120 x 20 x 2,0	1,49
20 x 20 x 1,5	0,32	40 x 20 x 2,0	0,63	50 x 50 x 4,0	1,99	80 x 40 x 3,0	1,90	120 x 30 x 3,0	2,38
20 x 20 x 2,0	0,41	40 x 20 x 3,0	0,92	50 x 50 x 5,0	2,43	80 x 40 x 4,0	2,51	120 x 40 x 2,5	2,13
25 x 15 x 1,5	0,31	40 x 25 x 2,0	0,68	60 x 20 x 2,0	0,84	80 x 50 x 3,0	2,06	120 x 40 x 4,0	3,37
25 x 15 x 2,0	0,41	40 x 30 x 2,0	0,71	60 x 25 x 3,0	1,33	80 x 50 x 4,0	2,72	120 x 50 x 4,0	3,59
25 x 20 x 2,0	0,46	40 x 30 x 3,0	1,09	60 x 30 x 2,0	0,95	80 x 60 x 4,0	2,94	120 x 120 x 5,0	6,10
25 x 25 x 1,5	0,40	40 x 40 x 2,0	0,84	60 x 30 x 3,0	1,41	80 x 80 x 2,0	1,71	130 x 50 x 4,0	3,80
25 x 25 x 2,0	0,52	40 x 40 x 2,5	1,04	60 x 40 x 2,0	1,06	80 x 80 x 3,0	2,52	150 x 40 x 4,0	4,02
25 x 25 x 3,0	0,74	40 x 40 x 3,0	1,22	60 x 40 x 2,5	1,32	80 x 80 x 4,0	3,28	150 x 50 x 3,0	3,19
30 x 15 x 1,5	0,35	40 x 40 x 4,0	1,56	60 x 40 x 3,0	1,57	90 x 90 x 4,0	3,72	150 x 50 x 4,0	4,23
30 x 15 x 2,0	0,46	45 x 25 x 2,0	0,73	60 x 40 x 4,0	2,07	100 x 18 x 2,0	1,25	150 x 150 x 5,0	7,80
30 x 20 x 2,0	0,52	45 x 45 x 2,0	0,95	60 x 45 x 3,0	1,65	100 x 20 x 2,0	1,27	200 x 50 x 4,0	5,30
30 x 25 x 2,0	0,57	50 x 15 x 2,0	0,68	60 x 50 x 3,0	1,73	100 x 30 x 2,0	1,38	200 x 65 x 3,0	4,24
30 x 30 x 1,5	0,48	50 x 20 x 2,0	0,73	60 x 60 x 2,0	1,27	100 x 40 x 4,0	2,94		
30 x 30 x 2,0	0,63	50 x 25 x 2,0	0,79	60 x 60 x 2,5	1,58	100 x 44 x 2,0	1,53		
30 x 30 x 2,5	0,77	50 x 25 x 3,0	1,17	60 x 60 x 3,0	1,87	100 x 50 x 2,0	1,60		
30 x 30 x 3,0	0,90	50 x 30 x 2,0	0,84	60 x 60 x 4,0	2,42	100 x 50 x 3,0	2,38		

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Aluminium is



as light as steel, yet strong  
enough to build aircraft

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## Aluminium sheets

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We have an extensive stock of aluminum sheets in the qualities 99.5 and AlMg3. All sheets are available with or without foil. Aluminum tearplates are also part of our delivery program.

### Standard sheets

Qualities: Al99,5 EN 1050,  
AlMg3 EN 5754  
Thickness: 0,5 – 10 mm  
Sizes: 2.000 x 1.000, 2.500 x 1.250,  
3.000 x 1.500 mm

In Al99,5 the thicknesses 1½ - 2 en 3 mm are also available at 4.000 mm and other lengths on request at a reasonably short notice.

### Tear plates

Qualities: AlMg3 EN 5754 H114  
Thickness: 2,5/4 - 3,5/5 and 5/6,5 mm  
Sizes: 2.000 x 1.000, 2.500 x 1.250,  
3.000 x 1.500 mm  
2 or 5 tears pickled or not pickled

Thickness 5/6,5 mm 5-tears is also available in the sizes 3.000 x 1.000, 3.000 x 1.250 en 4.000 x 1.500 mm. Other sizes are also available on request.

ALUMINIUM SHEETS

Aluminium sheets AL 99,5% half hard/ 1050A H24 sheets		Aluminium sheets AL 99,5% half hard/ 1050A H24 sheets		Aluminium sheets AL 99,5% half hard/ 1050A H24 sheets		Aluminium sheets AL 99,5% half hard/ 1050A H24 sheets		Aluminium sheets AL 99,5% half hard/ 1050A H24 sheets	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 0,8	2,16	2000 x 1000 x 5,0	13,50	2500 x 1250 x 3,0	8,10	3000 x 1500 x 1,5	4,06	4000 x 1250 x 3,0	8,10
2000 x 1000 x 1,0	2,70	2000 x 1000 x 6,0	16,20	2500 x 1250 x 4,0	10,80	3000 x 1500 x 2,0	5,40	4000 x 1500 x 1,0	2,70
2000 x 1000 x 1,2	6,50	2500 x 1250 x 0,8	2,16	2500 x 1250 x 5,0	13,50	3000 x 1500 x 2,5	6,76	4000 x 1500 x 1,5	4,05
2000 x 1000 x 1,5	4,05	2500 x 1250 x 1,0	2,70	2500 x 1250 x 6,0	16,20	3000 x 1500 x 3,0	8,10	4000 x 1500 x 2,0	5,40
2000 x 1000 x 2,0	5,40	2500 x 1250 x 1,2	3,24	3000 x 1250 x 1,0	2,70	3000 x 1500 x 4,0	10,80	4000 x 1500 x 3,0	8,10
2000 x 1000 x 2,5	6,75	2500 x 1250 x 1,5	4,03	3000 x 1250 x 1,5	4,05	3000 x 1500 x 5,0	13,50		
2000 x 1000 x 3,0	8,10	2500 x 1250 x 2,0	5,40	3000 x 1250 x 2,0	5,40	3000 x 1500 x 6,0	16,20		
2000 x 1000 x 4,0	10,80	2500 x 1250 x 2,5	6,75	3000 x 1500 x 1,0	2,70	4000 x 1250 x 2,0	5,40		

Aluminium sheets AlMg3 G22/ 5754 H111 sheets		Aluminium sheets AlMg3 G22/ 5754 H111 sheets		Aluminium sheets AlMg3 G22/ 5754 H111 sheets		Aluminium sheets AlMg3 G22/ 5754 H111 sheets	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 4,0	10,80	2500 x 1250 x 4,0	10,80	3000 x 1500 x 4,0	10,80	4000 x 1500 x 10	27,50
2000 x 1000 x 5,0	13,50	2500 x 1250 x 5,0	13,50	3000 x 1500 x 5,0	13,50	2000 x 1000 x 10	27,00
2000 x 1000 x 6,0	16,20	2500 x 1250 x 6,0	16,20	3000 x 1500 x 6,0	16,20	2000 x 1000 x 12	32,40
2000 x 1000 x 8,0	21,60	2500 x 1250 x 8,0	21,60	3000 x 1500 x 8,0	21,60	2000 x 1000 x 15	40,50

AlMg3/5754 H114 tear plates Pickled/2 tears		AlMg3/5754 H114 tear plates Pickled/2 tears		AlMg3/5754 H114 tear plates Pickled/2 tears		AlMg3/5754 H114 tear plates Pickled/2 tears	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 2,5/4	7,55	2500 x 1250 x 2,5/4	7,52	2500 x 1250 x 7/8,5	9,84	3000 x 1500 x 2,5/4	7,53
2000 x 1000 x 3,5/5	10,25	2500 x 1250 x 3,5/5	10,24	3000 x 1250 x 3,5/5	10,35	3000 x 1500 x 3,5/5	10,22
2000 x 1000 x 5/6,5	14,30	2500 x 1250 x 5/6,5	14,27	3000 x 1250 x 5/6,5	14,40	3000 x 1500 x 5/6,5	14,29

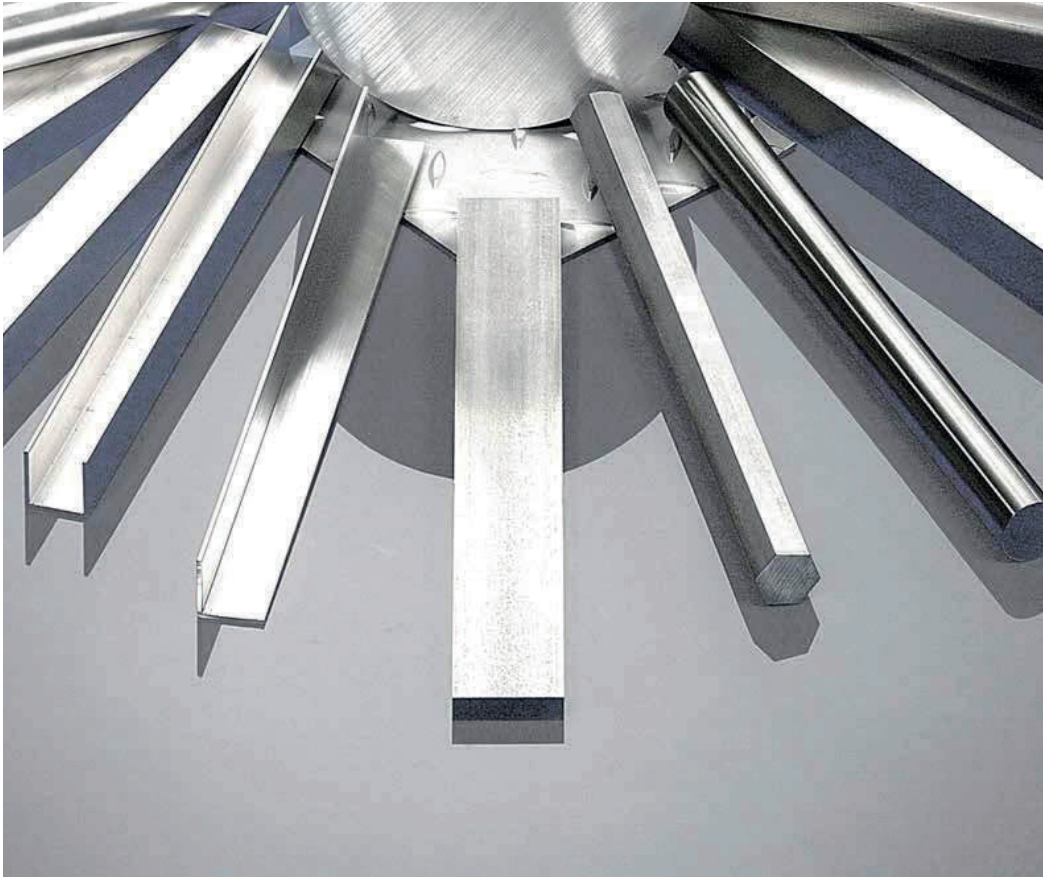
AlMg3/5754 H114 tear plates Not pickled/2 tears		AlMg3/5754 H114 tear plates Not pickled/2 tears		AlMg3/5754 H114 tear plates Not pickled/2 tears		AlMg3/5754 H114 tear plates Not pickled/2 tears	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 2,5/4	7,55	2500 x 1250 x 2,5/4	7,52	2500 x 1250 x 7/8,5	19,84	3000 x 1500 x 2,5/4	7,53
2000 x 1000 x 3,5/5	10,25	2500 x 1250 x 3,5/5	10,24	3000 x 1250 x 3,5/5	10,35	3000 x 1500 x 3,5/5	10,22
2000 x 1000 x 5/6,5	14,30	2500 x 1250 x 5/6,5	14,27	3000 x 1250 x 5/6,5	14,40	3000 x 1500 x 5/6,5	14,29

AlMg3/5754 H114 tear plates Pickled/5 tears		AlMg3/5754 H114 tear plates Pickled/5 tears		AlMg3/5754 H114 tear plates Pickled/5 tears		AlMg3/5754 H114 tear plates Pickled/5 tears		AlMg3/5754 H114 tear plates Pickled/5 tears	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 2,5/4	7,65	2000 x 1000 x 5/6,5	14,40	2500 x 1250 x 3/4,5	9,00	3000 x 1250 x 3,5/5	10,35	3000 x 1500 x 3,5/5	10,33
2000 x 1000 x 3,5/5	10,35	2500 x 1250 x 2,5/4	7,65	2500 x 1250 x 5/6,5	14,40	3000 x 1250 x 5/6,5	14,40	3000 x 1500 x 5/6,5	14,40
2000 x 1000 x 3/4,5	9,00	2500 x 1250 x 3,5/5	10,34	2500 x 1250 x 7/8,5	19,84	3000 x 1500 x 2,5/4	7,64		

AlMg3/5754 H114 tear plates Not pickled/5 tears		AlMg3/5754 H114 tear plates Not pickled/5 tears		AlMg3/5754 H114 tear plates Not pickled/5 tears		AlMg3/5754 H114 tear plates Not pickled/5 tears		AlMg3/5754 H114 tear plates Not pickled/5 tears	
Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2	Size in mm	Kg/m2
2000 x 1000 x 2,5/4	7,65	2500 x 1250 x 2,5/4	7,65	2500 x 1250 x 8/9,5	28,12	3000 x 1500 x 2,5/4	7,64	4000 x 1500 x 5/6,5	14,40
2000 x 1000 x 3,5/5	10,35	2500 x 1250 x 3,5/5	10,34	3000 x 1000 x 5/6,5	14,39	3000 x 1500 x 3,5/5	10,33		
2000 x 1000 x 5/6,5	14,40	2500 x 1250 x 5/6,5	14,40	3000 x 1250 x 3,5/5	10,35	3000 x 1500 x 5/6,5	14,40		
2000 x 1000 x 8/9,5	22,50	2500 x 1250 x 7/8,5	19,84	3000 x 1250 x 5/6,5	14,40	3000 x 1500 x 8/9,5	22,49		













MACHINING PROPERTIES					
Grade	Cold forming	Welding	Corrosion resistance	(decorative) Anodizing	Machine-ability
1050	very good	good	moderate	moderate	bad
2007	bad	bad	bad	bad	very good
2011	bad	bad	bad	bad	very good
5005	good	good	good	very good	bad
5083	moderate	good	very good	good	good
5754	good	good	very good	good	bad
6060	moderate/bad	moderate	good	good	moderate
6026	moderate	good	moderate/good	good	good
6082	bad	moderate	good	moderate	good
7075	bad	bad	bad	moderate	very good

COMPARISON TABLE

COMPARISON TABLE				
Grade	Werkstoff-Nr.	AA (USA)	ANFOR (F)	CANADA
Al 99,5%	3.0255	1050 A	A5	1S
AlMg1	3.3315	5005 A	A-G06	B57S
AlMg2,5	3.3523	5052	A-G2,5	57S
AlMg3	3.3535	5754	A-G3M	55S
AlMg4,5Mn	3.3547	5083	A-G4,5MC	D54S
AlMgSi0,5	3.3206	6060	A-GS	50S
AlMgSi0,7	3.3210	6005 A		
AlMgSi1	3.2315	6082	A-SGM0,7	B51S
AlMgSiPb	3.0615	6012		
AlCuMgPb	3.1645	2007	A-U4PB	28S
AlCuBiPb	3.1655	2011		
AlCuMg1	3.1325	2017 A	A-U4G	17S
AlCuMg2	3.1355	2024	A-U4G1	24S
AlZnMgCu1,5	3.4365	7075	A-Z5GU	75S

Color coding

ALUMINIUM	
Al Cu Mg Pb / 2007 / 2030 / 28 St	
Al Mg Si 1 / 6082 / 51 St	
Al Cu Bi Pb / 2011 / 28 St	
Al Mg Si Pb / 6262	
Al Mg Si Pb / 6026	
Al Zn Mg Cu 1,5 / 7075	



## Delivery program

### Bright steel and free cutting steel

- Unalloyed and alloyed, drawn, peeled, polished, heat treated

### Engineering steel

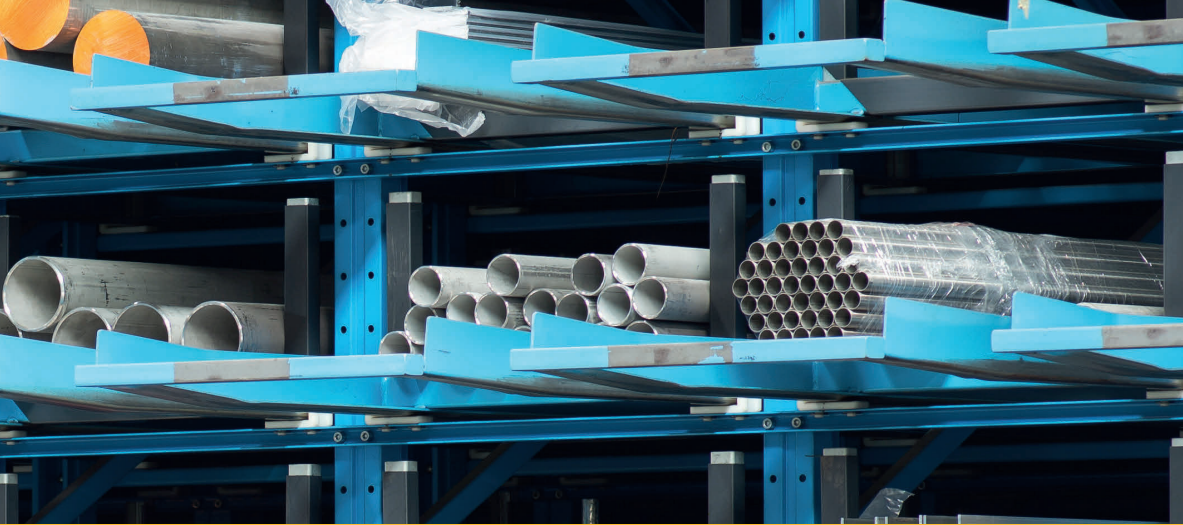
- Unalloyed and alloyed, hot rolled, forged, turned, heat treated

### Stainless steel

- Bars: hot rolled/forged, drawn, ground (round, square, hexagon)
- Sheets: cold rolled (IIC, ground and/or with foil), hot rolled, tear plates, decorative sheets
- Flat bars: hot rolled, slitted, drawn
- Profiles: T, U and angles (cold rolled, extruded or hot rolled)
- Welded construction tubes: not polished or polished G.320
- Welded round tubes: not annealed or annealed, not polished or polished G.320, mirror polished
- Welded annealed tubes acc. ASTM A 312 / EN 10217-7 / EN 10357
- Seamless tubes acc. ASTM A 269 / A 312 en EN 10216-5
- Seamless hollow bars acc. EN 10216-5
- Getrokken draad en walsdraad

### SB-Railing

- Stainless steel components for balustrades and railings
- UNIQ: aluminium clamping profiles for glass balustrades



## Steel tubes

- Seamless or welded precision tubes
- Seamless or welded flame tube
- Seamless hydraulics tubes
- Seamless cylinder tubes
- Seamless boiler tubes
- Welded hollow sections
- Welded gas tubes

## Aluminium

- Bars: round, flat, square
- Profiles: T, U, angle
- Tubes: round, square, rectangular
- Sheets: with or without foil
- Tear plates: 2- or 5-tears, pickled or not pickled
- Extruded profiles according to customers' drawing

Other materials, sizes and qualities on request.

A close-up photograph of several stacked metal profiles, likely aluminum or steel, in a warehouse setting. The profiles are arranged in a grid-like pattern, with some in the foreground and others receding into the background. The lighting is bright, highlighting the metallic surfaces. In the background, a blue metal structure, possibly a shelving unit or part of a building frame, is visible.

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