



manfisa

ALUMINIUM
WIRE-DRAWING
AND CASTING

ALUMINIUM FOR STEEL DE-OXIDATION



1



2

Manufacturas Irular S.A. has made aluminium for de-oxidising steel in the form of small ingots granules and wire since 1973.

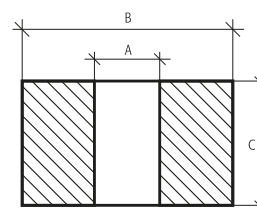
All these products are made according to Standard UNE 38 113 or ASTM B37-92, although they can also be made to other specifications, according to the customer's needs.

Following our customer's specifications, our shipments may attach a quality certificate, indicating the average analysis of each batch of aluminium, unless the customer requires other kind of certificate or analysis.

DIMENSIONS

A. ROLLS

REF.	A	B	C	WEIGHT	Ø Wire 9,5mm, 11,50 mm, 13,00mm
20a	550	1.330	850	2.000	REF 20a Pallets 1,43m x 1,43m x 1,05m
20b	550	1.300	950	2.000	REF 20b Pallets 1,40m x 1,40m x 1,15m
20c	760	1.450	780	2.000	REF 20c Pallets 1,55m x 1,55m x 1,00m
19	700	1.200	850	1.500	REF 19 Pallets 1,30m x 1,30m x 1,05m
17	600	1.100	550	500	REF 17 Pallets 0,65m x 0,65m x 1,20m



mm

Kgs

Rolls can be supplied with metallic cage or without it, with vertical or horizontal axes.

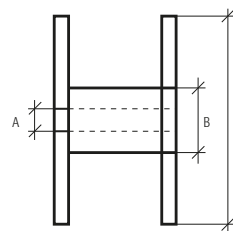
* OTHER DIAMETERS UNDER REQUEST

DIAMETER AND WEIGHTS

Diameter	9.50	11.50	12.50	13.00
Kg / 1000(m)	191	280	331	358

B. SPOOLS

REF.	A	B	C	TARE	WEIGHT	Ø Wire from 1,5mm a 3,00mm
33	51	206	300	0,535	6	REF 33 Pallets 1,20m x 1,00m
37	51	125	300	0,765	10	REF 37 Pallets 1,20m x 1,00m



mm

Kgs

CHEMICAL COMPOSITION OF THE ALUMINIUM

Si	Fe	Cu	Mn	Mg	Zn	V	Ti	Al
0,25	0,4	0,05	0,05	0,05	0,07	0,05	0,05	99,5%
0,25	0,5	0,1	-	0,05	-	-	0,02	99%

CASTING AND DIFFERENT FORMS OF SUPPLY

TYPE OF INGOT	NET WEIGHT	DIMENSIONS (mm)	PACKAGING
L-1 Kgs	1-1,1 Kgs	length: 380 height: 30 width: 40	Wooden pallet 1.000-1.500 Kgs Dimensions of the pallet 0,80m x 1,20m
Small frustum	30-80 grs	length: 40 height: 30 width: 40	BIG-BAG 500-1.000-1.500 Kgs Dimensions of the pallet 1,00m x 1,00m Bulk.
Casting granules		9-13	Bags 50 Kgs BIG-BAG 500-1.000-1.500 Kgs Dimensions of the pallet 1,00m x 1,00m Bulk.
Short wire granules		6-12	50 Kgs Bags on wooden pallet 1.000-1.500 Kgs Dimensions of the pallet 1,00m x 1,00m BIG-BAG
Short rod granules		10x10	Bags 50 Kgs BIG-BAG 500-1.000 Kgs Dimensions of the pallet 1,00m x 1,00m

DRAWN ALUMINIUM WIRE FORMS OF SUPPLY



1.1



1.2



1.3



1.4

1.1

Cardboard drum

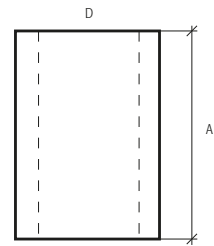
REF.	D	A	TARE	WEIGHT
41	490	885	5	60-80
41M	510	770	6	60

mm *Kgs*

Ø Wire from 0,80mm up to 2,50mm

REF. 41 Dimensions of the pallets 1,00m x 1,00m

REF. 41M Dimensions of the pallets 1,00m x 1,00m



1.2

Metallic former

REF.	D	d	A	TARE	WEIGHT
73	1.100	600	1.820	35	500-700
91	800	500	1.500	21	350-400

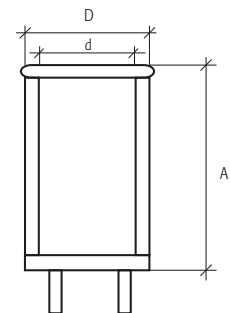
mm *Kgs*

REF 73 Ø Wire from 2,50mm up to 5,50mm

Dimensions of the pallets 1,00m x 1,00m

REF 91 Ø Wire from 1,50mm up to 5,50mm*

Dimensions of the pallets 0,80m x 0,80m



*For thicker ø, please ask

1.3

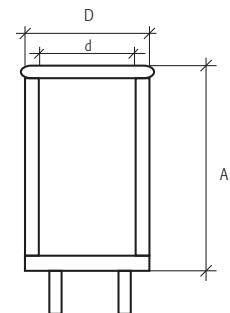
Cardboard former

REF.	D	d	A	TARE	WEIGHT
91	800	400	1.270	16	400
99	1.100	470	1.700	36	800

mm *Kgs*

REF 91y 99 Ø Wire from 1,50mm up to 5,50mm

Dimensions of the pallets 0,80m x 0,80m



1.4

Static or accumulation rolls

REF.	D	d	A	WEIGHT
1a	430-450	350	d/w	10-20
1b	750	500	d/w	25-60
1d	920-950	720-750	d/w	25-60
134-AC	800	500	d/w	40-50

mm *Kgs*

REF 1a Ø Wire from 1,00mm up to 2,50mm

Dimensions of the pallets 1,20m x 1,20m or 1,0m x 1,0m

REF 1b Ø Wire from 1,50mm up to 6,00mm

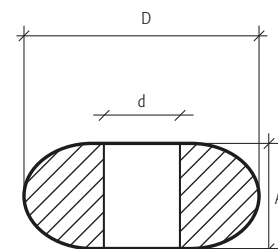
Dimensions of the pallets 0,80m x 1,20m or 0,80m x 0,80m

REF 1d Ø Wire from 2,50mm up to 5,50mm

Dimensions of the pallets 1,20m x 1,20m

REF 134-AC Ø Wire from 6,00mm up to 7,00mm

Dimensions of the pallets: 0,80m x 0,80m



*For thicker ø, please ask

It is possible to supply in cardboard boxes.

Ed. 2017

DRAWN ALUMINIUM WIRE FORMS OF SUPPLY **2**

2



2.1



2.2

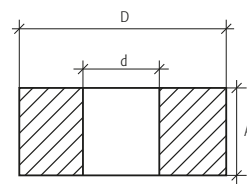
2.1

Standard rolls

REF.	D	d	A	WEIGHT
8	500	300	105	20-25
9	580-600	350-360	150	40-45
11	600/650/700*	400/500/550	150	40/50/75

mm

Kgs



REF 8	Ø Wire from 1,00mm up to 3,00mm	Dimensions of the pallets: 1,20m x 1,20m
REF 9	Ø Wire from 1,50mm up to 4,00mm	Dimensions of the pallets: 1,20m x 1,20m
REF 11	Ø Wire from 1,50mm up to 10,00mm	Dimensions of the pallets: 0,80m x 0,80m for 75 Kg rolls
		Dimensions of the pallets: 1,20m x 1,20m for 40 Kg roll

*Out D changes depending on the desired d and weight.

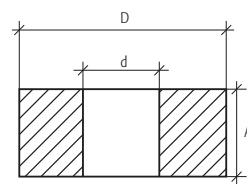
2.2

Coils - Special applications

REF.	D	d	A	WEIGHT
102	320	205	90	10
130	320	205	84	8,5
130	320	205	100	10
109	650-670	450	100	30
133	700	550	150	50
105	700	500	220	90
104	900	500/600	320	250

mm

Kgs



REF 102 and 130	Ø Wire from 1,50mm up to 3,00mm	Dimensions of the pallets: 1,20m x 1,00m
REF 109	Ø Wire from 2,00mm up to 7,00mm*	Dimensions of the pallets: 0,80m x 1,35m
REF 133	Ø Wire from 6,00mm up to 10,00mm	Dimensions of the pallets: 0,80m x 0,80m
REF 105	Ø Wire from 6,00mm up to 10,00mm	Dimensions of the pallets: 0,80m x 0,80m
REF 104	Ø Wire from 6,00mm up to 11,00mm	Dimensions of the pallets: 1,00m x 1,00m

*Restricted uses only. Please ask.

DRAWN ALUMINIUM WIRE

FORMS OF SUPPLY

3

3



3.1

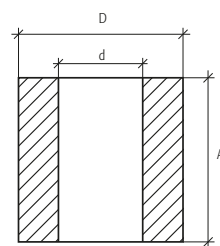


3.2

3.1

Large capacity rolls

15a	740/800/975	400	450	250/300/500
15b	780/850/1.000	500	450	250/300/500
15c	820/870/1.010	550	450	250/300/500
4a	1.100*	400	550	500-1.000
132	1.050-1.200	800	600	500-750
		<i>mm</i>		<i>Kgs</i>



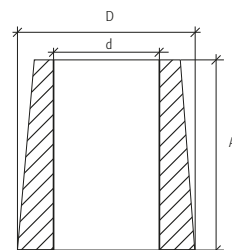
REF 15	Ø Wire from 2,00mm up to 18,00mm	Dimensions of the pallets: 0,80m x 0,80m or 1,00m x 1,00m
REF 4a	Ø Wire from 2,00mm up to 4,00mm	Dimensions of the pallets: 1,20m x 1,20m
REF 132	Ø Wire from 9,00mm up to 18,00mm	Dimensions of the pallets: 1,20m x 1,20m

* D will depend on the desired weight.

3.2

Conical coils

REF.	D	d	A	WEIGHT
18a	740/800/975	400	450	250/300/500*
18b	780/850/1.000	500	450	250/300/500*
18c	820/870/1.010	550	450	250/300/500*
4b	1.100**	400	550	500-1.000
		<i>mm</i>		<i>Kgs</i>



REF 18	Ø Wire from 2,00mm up to 7,90mm	Dimensions of the pallets: 0,80m x 0,80 m or 1,00m x 1,00m
REF 4b	Ø Wire from 2,00mm up to 4,00mm	Dimensions of the pallets: 1,20m x 1,20m

* Weight of rolls depends on the conicity angle.

** D will depend on the desired weight.

DRAWN ALUMINIUM WIRE FORMS OF SUPPLY 4



4.1

TYPE	REF.	D	d	F	A	WEIGHT	CAPACITY
MAN 135	40	135	56,5	16,5	48,5	100	1
MAN 150	21	147	57	18	49	118	1,2
MAN 150 D	88	150	56	18	100	116	2,7
DIN 160	78	160	100	22	160	250	2,5
MAN 200	31	200	100	51	52	236	2
MAN 200 E	110	200	70	51	85	246	4,4
IRU 250/18	60	250	125	18	78	555	5,00
IRU 250/51	61	250	125	51	78	530	5,00
SO 250/100/22	83	250	100	22	190	950	10/11
P255/118/33	96	255	118	33	115	580	8
IRU 255	30	255	125	51	105	624	7,00
IRU 265	66	265	88	38	74	517	6,5
IRU 280/18	63	280	125	18	81,5	710	7,1
IRU 280/51	64	280	125	51	81,5	744	7,1
IRU 300 E	37	300	127	52	104	765	10,5
MET. SPOOL 300 / B 300	42	300	180	-	100	340	7
EXP 300	29	300	206	-	104	404	6,2
MAN 300 / S 300	33	300	206	52	104	580	6,00
IRU 305	36	305	125	39	83	685	7
IRU 310	94	311	121	39	84	816	9,5
IRU 320	71	320	127	51	84/90	886	10
IRU 320 R	107	320	127	51	66/73	790	8,20
IRU 360	114	360	100	51	64,5/74	1100	11,8
IRU 360 W	116	360	100	51	81/87	1171	14,2
SD 370 H	76	370	310	304	88	445	4,5
SD 390 K	85	397	310	304	90	630	7,8
MAN 400	68	406	314	304	103	630	10,1

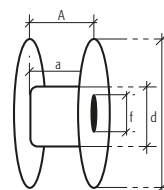
mm grs Kgs

Ø Wire from 1,00mm up to 3,00mm

"A" measures the outer width for a full spool.

Road consignments: in cardboard boxes on pallets with dimensions 1.00m. x 1.20m.

Sea consignments: in cardboard boxes + VCI plastic bags + desiccant bags on treated pallets with dimensions 1.00m x 1.20m, alternatively it is possible wire deliveries in made-to-measure treated wooden boxes.



		Diameter d up to e included (mm)	Rm MPa min.	max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)
EN AW- 1100	O	20	-	150	-	35
[Al 99,0 Cu]	H14	18	175	-	165	5
	H18	10	200	-	190	3
EN AW- 1050A	O	20	-	95	-	35
[Al 99,5]	H14	18	100	-	95	5
	H18	10	140	-	135	3
EN AW-1080A	O	20	-	80	-	35
[Al 99,8 (A)]	H14	18	90	-	85	5
	H18	10	120	-	115	3
EN AW-1090	O	20	-	80	-	35
[Al 99,9]	H14	18	90	-	85	5
	H18	10	120	-	115	3
EN AW-1199	O	20	-	75	-	35
[Al 99,99]	H14	18	80	-	75	5
	H18	10	100	-	95	3
EN AW-1370	O	20	-	95	-	35
[Al 99,7]	H14	18	100	-	95	5
	H18	10	140	-	135	3

SERIE
1 0 0 0
(A 1)

Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)
EN AW-5005	O	20	-	170	-	15
[Al Mg1(B)]	H12	18	150	190	-	6
	H14	18	170	220	-	4
	H18	10	220	-	-	3
EN AW-5051A	O	20	-	195	85	15
[Al Mg2(B)]	H12	18	170	220	155	6
	H14	18	195	245	200	4
	H18	10	245	-	200	3
EN AW-5052	O	20	-	225	100	15
[Al Mg2,5]	H12	18	200	250	180	6
	H14	18	225	275	225	4
	H18	10	275	-	275	3
	H32	18	190	240	145	11
	H34	15	215	265	195	8
	H38	10	260	-	245	5
EN AW-5754	O	20	-	250	110	16
[Al Mg3]	H12	18	230	280	200	6
	H14	18	255	305	250	3
	H18	10	305	-	300	2
	H32	18	220	270	160	11
	H34	15	245	295	210	8
	H38	10	290	-	260	4
EN AW-5554	O	20	-	260	110	16
[Al Mg3 Mn (A)]	H12	18	235	285	205	5
	H14	18	260	310	255	3
	H18	10	310	-	305	1
	H32	18	225	275	165	10
	H34	15	250	300	215	7
	H38	10	295	-	265	3
EN AW-5154	O	20	-	275	125	16
[Al Mg3,5(A)]	H12	18	255	305	220	6
	H14	18	280	330	270	3
	H18	10	330	-	320	2
	H32	18	235	285	170	11
	H34	15	265	315	230	8
	H36	10	290	340	250	6
	H38	10	310	-	280	4
EN AW-5183	O	20	-	340	170	15
[Al Mg4,5 Mn0,7 (A)]	H12	18	300	370	275	5
	H14	18	340	410	335	3
	H18	10	390	-	340	2
	H32	18	290	350	215	9
	H34	15	320	390	285	7
	H38	10	380	-	340	3
EN AW-5019	O	20	-	330	150	17
[Al Mg5]	H12	18	295	355	255	6
	H14	18	325	385	315	3
	H18	18	370	-	360	2
	H32	18	280	340	205	11
	H34	15	310	370	265	8
	H38	10	360	-	320	4
EN AW-5356	O	20	-	335	155	17
[Al Mg5Cr(A)]	H12	18	300	365	260	6
	H14	18	330	395	320	3
	H18	18	375	-	365	2
	H32	18	285	350	210	11
	H34	15	315	380	270	8
	H38	10	365	-	325	4

SERIE
5 0 0 0
(Al Mg)

The values shown are typical, they could be influenced by the Ø and the drawing condition.

Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	Rm MPa max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)	SERIE 2 0 0 0 (Al Cu)
EN AW-2011	T3	18	310	-	295	6	
[Al Cu6BiPb]	T8	18	370	-	310	4	
Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	Rm MPa max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)	SERIE 3 0 0 0 (Al Mn)
EN AW-3103	O	20	-	130	60	35	
[Al Mn1]	H14	18	135	180	120	5	
	H18	10	170	-	165	3	
EN AW-3003	O	20	-	130	60	35	
[Al Mn1 Cu]	H14	18	135	180	120	5	
	H18	10	180	-	175	3	
Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	Rm MPa max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)	SERIE 4 0 0 0 (Al Si)
EN AW-4043 A	O	20	-	150	70	25	
[Al Si 5 (A)]	H14	18	170	220	170	5	
	H18	10	190	-	180	3	
Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	Rm MPa max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)	S E R I E 6 0 0 0 (Al Mg Si)
EN AW-6101	O	≤18	-	130	-	25	
[Al Mg Si]	H12	≤18	120	160	-	5	
	H14	≤18	140	180	-	5	
	H18	≤18	180	-	-	3	
	T3	≤18	260	-	-	5	
	T4	≤18	160	-	90	15	
	T6	≤18	180	-	160	20	
	T8	≤18	300	-	-	8	
	T9	≤18	310	-	-	3	
EN AW-6056	O	≤22	-	180	-	20	
[Al Si1MgCuMn]	H13	≤22	160	240	140	4	
	H18	≤22	240	-	210	2	
	H32	≤22	150	230	-	-	
	H34	≤22	170	250	-	-	
	T4	≤22	300	380	-	13	
	T6	≤22	400	-	360	10	
	T8	≤22	420	-	-	-	
EN AW-6061	O	≤18	-	150	-	25	
[Al Mg1 SiCu]	H13	≤18	150	210	120	4	
	H18	≤18	210	-	-	-	
	T3	≤18	280	-	-	-	
	T4	≤18	210	-	135	13	
	T6	≤18	290	-	260	10	
	T8	≤18	320	-	-	8	
	T9	≤18	340	-	-	3	
EN AW-6082	O	≤22	-	180	-	20	
[Al Si 1MgMn]	H13	≤22	165	225	130	4	
	H18	≤22	220	-	200	2	
	H32	≤22	155	-	-	-	
	H34	≤22	175	-	-	-	
	T4	≤22	205	-	135	13	
	T6	≤22	300	-	270	10	
	T8	≤22	340	-	-	-	
Standard	State of treatment	Diameter d up to e included (mm)	Rm MPa min.	Rm MPa max.	Rp 0,2 MPa typical	Elongation A100mm (% typical)	SERIE 7 0 0 0 (Al Zn)
EN AW-7075	O	20	-	275	110	13	
[Al Zn5,5MgCu]	H13	18	230	310	230	2,5	
	T6	20	510	-	485	10	
	T7	20	480	-	455	11	

The values shown are typical, they could be influenced by the Ø and the drawing condition.

EUROPEAN STANDARDS APPLIED TO MANFISA'S MANUFACTURING PROCESS

EN 573-3

Aluminium and Aluminium alloys.
Chemical composition and forged products.
Part 3: Chemical composition.

EN 602

Aluminium and Aluminium alloys.
Forged products. Chemical composition of semi-products used for the fabrication of articles for use in contact with foodstuff.

EN 1301-1

Aluminium and Aluminium alloys.
Drawn-wire.
Part 1: Technical conditions for inspection and delivery.

EN 1301-2

Aluminium and Aluminium alloys.
Drawn-wire.
Part 2: Mechanical properties.

EN 1301-3

Aluminium and Aluminium alloys.
Drawn-wire.
Part 3: Tolerances on dimensions.



DIAMETER TOLERANCES FOLLOWING STANDARD EN 1301-3

DIAMETER TOLERANCES FOR ROUND WIRE

Nominal diameter (mm)		Tolerances (mm)	
From	To (inclusive)	General	Fastenings
-	1	$\pm 0,02$	0/-0,03
1	3	$\pm 0,03$	0/-0,04
3	6	$\pm 0,04$	0/-0,05
6	10	$\pm 0,05$	0/-0,06
10	15	$\pm 0,07$	0/-0,08
15	18	$\pm 0,09$	0/-0,10
18	20	$\pm 0,11$	0/-0,12

DIAMETER TOLERANCES FOR RECTANGULAR WIRE

Width or Thickness (mm)		Tolerances (mm)	
From	To (inclusive)	Thickness	Width
-	1	$\pm 0,03$	$\pm 0,04$
1	3	$\pm 0,04$	$\pm 0,05$
3	6	$\pm 0,05$	$\pm 0,07$
6	10	$\pm 0,07$	$\pm 0,10$
10	15	$\pm 0,10$	$\pm 0,14$
15	20	$\pm 0,14$	$\pm 0,18$

CHEMICAL COMPOSITION OF ALUMINIUM/ALUMINIUM ALLOYS FOLLOWING EN 573-3 STANDARD

Alloy Designations		Chemical composition %															Other elements		Al
Numerical	Chemical Symbols	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ga	V	Ti	Bi/Pb	Be	B	each	total	minim.	
EN AW 1050 A	EN-AW Al 99,50	0,25	0,40	0,05	0,05	0,05	-	-	0,07	-	-	0,05	-	-	-	0,03	-	99,50	
EN AW 1370	EN-AW-E Al 99,7	0,10	0,25	0,02	0,01	0,02	0,01	-	0,04	0,03	0,02	V + Ti	-	-	0,02	0,02	0,10	99,70	
EN AW 1080 A	EN-AW Al 99,80 (A)	0,15	0,15	0,03	0,02	0,02	-	-	0,06	0,03	-	0,02	-	-	-	0,02	-	99,80	
EN AW 1090	EN-AW Al 99,90	0,07	0,07	0,02	0,01	0,01	-	-	0,03	0,03	0,05	0,01	-	-	-	0,01	-	99,90	
EN AW 1199	EN-AW Al 99,0	0,006	0,006	0,006	0,002	0,006	-	-	0,006	0,005	0,005	0,002	-	-	-	0,002	-	99,99	
EN AW 1100	EN-AW Al 99,0 Cu	0,95	Si+Fe	0,05-0,20	0,05	-	-	-	0,10	-	-	-	-	-	-	0,05	0,15	99,00	
EN AW 2011 A	EN-AW-AL Cu6BiPb(A)	0,40	0,50	4,5-6,0	-	-	-	-	0,30	-	-	-	0,20-0,6Bi 0,20-0,6Pb	-	-	0,05	0,15	Rest	
EN AW 2017 A	EN-AW-AL Cu4MgSi(A)	0,20-0,8	0,7	3,5-4,5	0,40-1,0	0,40-1,0	0,10	-	0,25	-	-	0,25 Zr+Ti	-	-	-	0,05	0,15	Rest	
EN AW 3003	EN-AW-AL Mn 1 Cu	0,60	0,7	0,05-0,2	1,0-1,5	-	-	-	0,10	-	-	-	-	-	-	0,05	0,15	Rest	
EN AW 3103	EN-AW-AL Mn 1	0,50	0,7	0,10	0,9-1,5	0,30	0,10	-	0,20	-	-	0,10 Zr+Ti	-	-	-	0,05	0,15	Rest	
EN AW 4043 A	EN-AW-AL Si 5 (A)	4,5-6,0	0,6	0,30	0,15	0,20	-	-	0,10	-	-	0,15	-	0,0003	-	0,05	0,15	Rest	
EN AW 4047 A	EN-AW-AL Si 12 (A)	11,0-13,0	0,6	0,30	0,15	0,10	-	-	0,20	-	-	0,15	-	0,0003	-	0,05	0,15	Rest	
EN AW 5005 A	EN-AW-AL Mg 1 (B)	0,30	0,7	0,20	0,20	0,50-1,1	0,10	-	0,25	-	-	-	-	-	-	-	0,15	Rest	
EN AW 5050 A	EN-AW-AL Mg 1,5 (D)	0,40	0,7	0,20	0,30	1,1-1,8	0,10	-	0,25	-	-	-	-	-	-	0,05	0,15	Rest	
EN AW 5051 A	EN-AW-AL Mg 2 (B)	0,30	0,45	0,05	0,25	1,4-2,1	0,30	-	0,20	-	-	0,10	-	-	-	0,05	0,15	Rest	
EN AW 5052	EN-AW-AL Mg 2,5	0,25	0,40	0,10	0,10	2,2-2,8	0,15-0,35	-	0,10	-	-	-	-	-	-	0,05	0,15	Rest	
EN AW 5754	EN-AW-AL Mg 3	0,40	0,40	0,10	0,50	2,6-3,6	0,30-0,10-0,6 (Mn+Cr)	-	0,20	-	-	0,15	-	-	-	0,05	0,15	Rest	
EN AW 5554	EN-AW-AL Mg 3Mn(A)	0,25	0,40	0,10	0,50-1,0	2,4-3,0	0,05-0,20	-	0,25	-	-	0,05-0,20	-	0,0003	-	0,05	0,15	Rest	
EN AW 5154 A	EN-AW-AL Mg35(A)	0,50	0,50	0,10	0,50	3,1-3,9	0,25-0,10-0,50 Mn+Cr)	-	0,20	-	-	0,20	-	0,0003	-	0,05	0,15	Rest	
EN AW 5082 A	EN-AW-AL Mg 4,5	0,20	0,35	0,15	0,15	4,0-5,0	0,15	-	0,25	-	-	0,10	-	-	-	0,05	0,15	Rest	
EN AW 5183	EN-AW-AL Mg4,5 Mn0,7(A)	0,40	0,40	0,10	0,50-1,0	4,3-5,2	0,05-0,25	-	0,25	-	-	0,15	-	0,0003	-	0,05	0,15	Rest	
EN AW 5019	EN-AW-AL Mg 5	0,40	0,50	0,10	0,10-0,6	4,5-5,6	0,20-0,10-0,6 (Mn+Cr)	-	0,20	-	-	0,20	-	-	-	0,05	0,15	Rest	
EN AW 5356	EN-AW-AL Mg 5 Cr (A)	0,25	0,40	0,10	0,05-0,20	4,5-5,5	0,05-0,20	-	0,10	-	-	0,06-0,20	-	0,0003	-	0,05	0,15	Rest	
EN AW 6060	EN-AW-AL Mg Si	0,30-0,6	0,10-0,30	0,10	0,10	0,35-0,6	0,05	-	0,15	-	-	0,10	-	-	-	0,05	0,15	Rest	
EN AW 6101	EN-AW-AL MgSi	0,30-0,7	0,50	0,10	0,03	0,35-0,8	0,03	-	0,10	-	-	-	-	-	0,06	0,03	0,10	Rest	
EN AW 6061	EN-AW-AL Mg 1 SiCu	0,40-0,8	0,7	0,15-0,40	0,15	0,8-1,2	0,04-0,35	-	0,25	-	-	0,15	-	-	-	0,05	0,15	Rest	
EN AW 6082	EN-AW-AL Si 1 MgMn	0,7-1,3	0,50	0,10	0,40-1,0	0,6-1,2	0,25	-	0,20	-	-	0,10	-	-	-	0,05	0,15	Rest	
EN AW 6056	EN-AW-AL Si1 Mg Cu Mn	0,7-1,3	0,50	0,50-1,1	0,40-1,0	0,6-1,2	0,25	-	0,10-0,7	-	-	0,2 (Zr+Ti)	-	-	-	0,05	0,15		
EN AW 6063	EN-AW-AL Mg 1 Si	0,20-0,6	0,35	0,10	0,10	0,45-0,9	0,10	-	0,10	-	-	0,10	-	-	-	0,05	0,15	Rest	
EN AW 7075	EN-AW-AL Zn 5,5MgCu	0,4	0,5	1,2-2,0	0,30	2,1-2,9	0,18-0,28	-	5,1-6,1	-	-	0,20-0,25(Zr+Ti)	-	-	-	0,05	0,15	Rest	

Alloys in stock

Others

