



ROLLER TUBES, PROFILE TUBES, CYLINDER TUBES

**SUPERIOR QUALITY
FOR INDIVIDUAL REQUIREMENTS**

SPECIALIST FOR SUPERIOR QUALITY

THE RESULT: IMPROVEMENTS IN PRODUCTIVITY

INOMETA meets the daily challenges of the market with product and process innovations so that our customers can maintain or even expand their competitive edge. This overview presents our current product range. Our product program is constantly being expanded to meet the ever-changing demands of our customers.

Our extensive line of products makes us a competent point of contact for the special requirement profiles of your production. Do not hesitate to contact us, should the product that fits your needs not be included in this catalog. We will create a custom solution for you.

PRODUCT RANGE OVERVIEW

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TOP ALUMINUM ROLLER TUBES

Concentric accuracy, excentricity, diameter tolerances – the quality of our TOP aluminum roller tube surpasses DIN standards. We deliver all roller tubes to fixed length and with better run out on request.



ALLOY

- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215$ MPa

PRODUCTION PROCESS

- hot extruded via chamber mould

SAWING

- to fixed lengths, burr-free, in narrow tolerances

CONCENTRICITY (FIXED LENGTHS)

- $D \leq 200$ mm 0,4 mm/m*
- $D > 200$ mm 0,8 mm/m*
- $D > 250$ mm 1,4 mm/m*
- *s ≤ 15 mm

STRAIGHTENING (FIXED LENGTHS)

- concentric accuracy down to 0.15 mm/m

GRINDING

- centerless grinding

SURFACE REFINEMENT

- anodizing
- hard-anodizing
- PROTEK®
- others on demand

PROCESSED

- machined according to drawing, as ready to install TOP plus roller tube

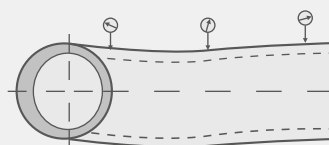
OTHERS

In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

CHARACTERISTICS

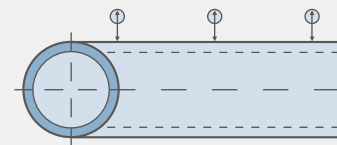
- suitable for hard-anodizing
- good machinability
- low residual stress
- corrosion-resistant
- little imbalance
- tight diameter tolerance
- high concentricity accuracy

ALUMINUM TUBE ACC. TO DIN EN 755-7



- inaccurate tolerances for d and D
- high degree of excentricity/radial runout
- major concentricity error

TOP ALUMINUM ROLLER TUBE MADE BY INOMETA



- precise external and inner diameter tolerances
- very little excentricity/radial runout
- perfect concentricity

Stand: 10/2022

TOP ALUMINUM ROLLER TUBES – DIMENSIONS

Make your choice from the array of INOMETA's TOP quality aluminum roller tubes:

D	x	s	kg/m
40,00	x	2,00	0,70
40,00	x	4,00	1,20
40,00	x	6,00	1,80
42,00	x	7,00	2,10
50,00	x	3,00	1,20
50,00	x	5,00	1,90
50,00	x	10,00	3,50
60,00	x	2,00	1,00
60,00	x	3,00	1,50
60,00	x	5,00	2,40
60,00	x	6,00	2,80
60,00	x	7,50	3,40
60,00	x	10,00	4,30
62,00	x	6,00	2,90
70,00	x	3,00	1,70
70,00	x	5,00	2,80
70,00	x	10,00	5,20
75,00	x	7,00	4,10
75,00	x	10,00	5,60
80,00	x	3,00	2,00
80,00	x	5,00	3,20
80,00	x	10,00	6,10
80,00	x	15,00	8,40
81,00	x	8,00	5,10
90,00	x	6,00	4,40
90,00	x	10,00	6,90
100,00	x	5,00	4,10
100,00	x	6,00	4,90
100,00	x	10,00	7,80
100,00	x	15,00	11,00
102,00	x	8,50	6,90
106,00	x	8,00	6,80

D	x	s	kg/m
110,00	x	5,00	4,50
110,00	x	10,00	8,70
110,00	x	15,00	12,30
114,00	x	10,00	9,00
120,00	x	5,00	5,00
120,00	x	7,00	6,80
120,00	x	8,00	7,80
120,00	x	10,00	9,50
120,00	x	15,00	13,60
120,00	x	20,00	17,30
125,00	x	10,00	9,90
128,00	x	4,00	4,30
130,00	x	5,00	5,40
130,00	x	7,00	7,40
130,00	x	10,00	10,40
130,00	x	15,00	14,90
130,00	x	20,00	19,00
132,00	x	8,50	9,10
140,00	x	5,00	5,80
140,00	x	7,00	8,10
140,00	x	10,00	11,20
140,00	x	15,00	16,20
144,00	x	11,00	12,70
150,00	x	5,00	6,30
150,00	x	7,50	9,20
150,00	x	10,00	12,10
150,00	x	15,00	17,50
150,00	x	20,00	22,50
152,00	x	6,00	7,60
152,00	x	10,00	12,30
160,00	x	5,00	6,70
160,00	x	8,00	10,50
160,00	x	10,00	13,00
160,00	x	15,00	18,80
160,00	x	20,00	24,20
162,00	x	6,00	8,10
170,00	x	10,00	13,80
170,00	x	15,00	20,10
170,00	x	20,00	26,00
172,00	x	9,60	13,50

D	x	s	kg/m
180,00	x	5,00	7,60
180,00	x	8,00	11,90
180,00	x	10,00	14,70
180,00	x	15,00	21,40
180,00	x	20,00	27,70
182,00	x	11,00	16,30
190,00	x	5,00	8,00
190,00	x	10,00	15,60
190,00	x	15,00	22,70
200,00	x	5,00	8,40
200,00	x	10,00	16,40
200,00	x	12,50	20,30
200,00	x	15,00	24,00
200,00	x	25,00	37,90
205,00	x	12,50	20,80
210,00	x	10,00	17,30
210,00	x	15,00	25,30
210,00	x	20,00	32,90
220,00	x	10,00	18,20
220,00	x	15,00	26,60
230,00	x	15,00	27,90
240,00	x	10,00	19,90
240,00	x	15,00	29,20
250,00	x	10,00	20,80
250,00	x	15,00	30,50
260,00	x	15,00	31,80
270,00	x	17,50	38,20
285,00	x	12,50	29,50
285,00	x	20,00	45,90
300,00	x	10,00	25,10
303,00	x	18,00	44,40
310,00	x	20,00	50,20
320,00	x	10,00	26,80
325,00	x	17,00	45,30
330,00	x	12,50	34,30
360,00	x	17,00	50,40



D= external diameter in mm
s= wall thickness in mm

kg/m = average meter weight (rounded)

Further dimensions on demand.

ALUMINUM ROLLER TUBES – SPECIAL DIMENSIONS

The table below lists some of the special dimensions we have on offer. However, should the roller tube you need not be listed in this table, please do not hesitate to contact us, as our lists are updated continuously and we have a multitude of ready-machined tubes on offer.



ALLOY

- AlMgSi 0,5
- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215 \text{ MPa}$
(or as indicated)

CONCENTRICITY (FIXED LENGTHS)

- $D \leq 200 \text{ mm}$ 0,4 mm/m*
- $D > 200 \text{ mm}$ 0,8 mm/m*
- $D > 250 \text{ mm}$ 1,4 mm/m*
- or as indicated
- *s $\leq 15 \text{ mm}$

SAWING

- to fixed lengths, burr-free, in narrow tolerances

GRINDING

- centerless grinding

SURFACE REFINEMENT

- anodizing
- hard-anodizing
- PROTEK®
- others on demand

PROCESSED

- concentric accuracy down to 0,15 mm/m
- machining according to drawing,

OTHERS

In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

CHARACTERISTICS

- suitable for hard-anodizing
- good machinability
- low residual stress
- corrosion-resistant
- little imbalance
- tolerances on demand



ALUMINIUM ROLLER TUBES – SPECIAL DIMENSIONS

D	x	s	kg/m	d
18,00	x	1,50	0,20	15,00
22,00	x	4,00	0,60	14,00
25,00	x	4,00	0,70	17,00
25,00	x	6,30	1,00	12,40
30,00	x	4,00	0,90	22,00
30,00	x	6,00	1,20	18,00
33,00	x	6,50	1,50	20,00
35,00	x	6,00	1,50	23,00
38,10	x	6,35	1,70	25,40
48,00	x	3,00	1,20	42,00
50,00	x	4,00	1,60	42,00
52,00	x	9,00	3,30	34,00
55,00	x	5,00	2,20	45,00
60,00	x	15,00	5,80	30,00
70,00	x	2,00	1,20	66,00
73,00	x	5,60	3,30	61,80
80,00	x	8,00	5,00	64,00
80,00	x	20,00	10,40	40,00
81,00	x	10,50	6,40	60,00
85,00	x	4,40	3,10	76,20
90,00	x	2,00	1,50	86,00
90,00	x	5,00	3,80	80,00
90,00	x	20,00	12,10	50,00
95,00	x	9,40	7,00	76,20
100,00	x	3,00	2,50	94,00
100,00	x	20,00	13,90	60,00
110,00	x	4,00	3,70	102,00
110,00	x	20,00	15,60	70,00
110,00	x	25,00	18,40	60,00
114,00	x	8,00	7,30	98,00
115,00	x	4,35	4,20	106,30
120,00	x	3,00	3,00	114,00
120,00	x	30,00	23,40	60,00
132,00	x	3,50	3,90	125,00
135,00	x	5,00	5,60	125,00
135,00	x	13,50	14,20	108,00

kg/m = average meter weight (rounded)

other dimensions on request

D	x	s	kg/m	d
140,00	x	4,00	4,70	132,00
142,00	x	6,00	7,10	130,00
145,00	x	2,50	3,10	140,00
145,00	x	10,00	11,70	125,00
152,00	x	21,00	23,80	110,00
156,00	x	3,00	4,00	150,00
162,00	x	4,50	6,10	153,00
162,00	x	6,25	8,40	149,50
165,00	x	5,00	6,90	155,00
167,50	x	6,90	9,60	153,70
170,00	x	12,00	16,40	146,00
171,00	x	6,00	8,60	159,00
175,00	x	20,00	26,80	135,00
180,00	x	16,50	23,30	147,00
182,00	x	6,25	9,50	169,50
182,00	x	12,00	17,70	158,00
188,00	x	14,00	21,10	160,00
192,00	x	13,00	20,10	166,00
195,00	x	12,50	19,70	170,00
200,00	x	6,00	10,10	188,00
202,00	x	6,30	10,70	189,40
205,00	x	8,50	14,50	188,00
217,20	x	7,00	12,70	203,20
225,00	x	15,00	27,30	195,00
230,00	x	6,30	12,20	217,40
232,00	x	18,50	34,20	195,00
261,00	x	7,00	15,40	247,00
270,00	x	5,00	11,50	260,00
274,00	x	10,00	22,80	254,00
285,00	x	26,00	58,30	233,00
301,00	x	15,50	38,30	270,00
310,00	x	25,00	61,60	260,00
325,00	x	14,50	39,00	296,00
365,00	x	25,50	75,90	314,00

D = external diameter in mm
s = wall thickness in mm
d = inner diameter in mm
kg/m = average meter weight (rounded)

other dimensions on request



ROLLER TUBES TOP PLUS

INOMETA's TOP plus roller tube comes fully processed and ready-to-install, reduces your production costs and allows you to concentrate on your core business. INOMETA's high-quality TOP plus roller tube is based on the TOP roller tube. On the basis of either a precise specification or an individual customer drawing, we can do straightening, inside machining, inserting, smoothening, beveling, grinding and anodizing as needed.



DIAMETER

- 40 mm bis 200 mm

LENGTH

- 400 mm to 4.000 mm
- length tolerance up to 0,20 mm
- standard tolerance ISO h 10
- plane parallelism max. 0,05 mm

CONCENTRICITY

- straightened, concentric accuracy down to 0.15 mm/m

BORING

- acc. to individual specification
- single-stage: as shown
- multistage: acc. to customer's drawing
- quality of hole: e. g. ISO H7

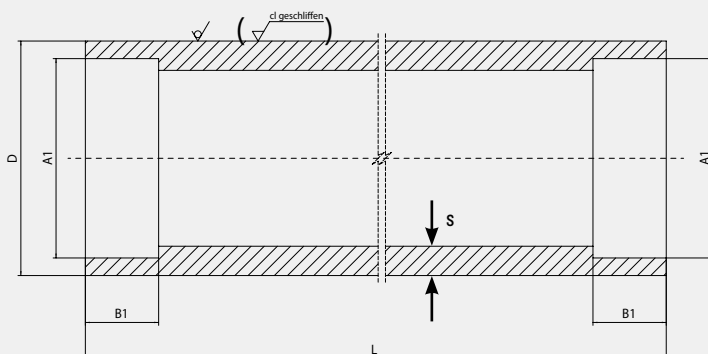
GRINDING

- centerless grinding

SURFACE REFINEMENT

- anodizing
- hard-anodizing
- PROTEK®
- others on demand

Other dimensions as special design



D = external diameter
 s = wall thickness
 L = length
 AI = bore diameter
 B1 = bore depth
 O = w/O = without
 G = centerless grinding



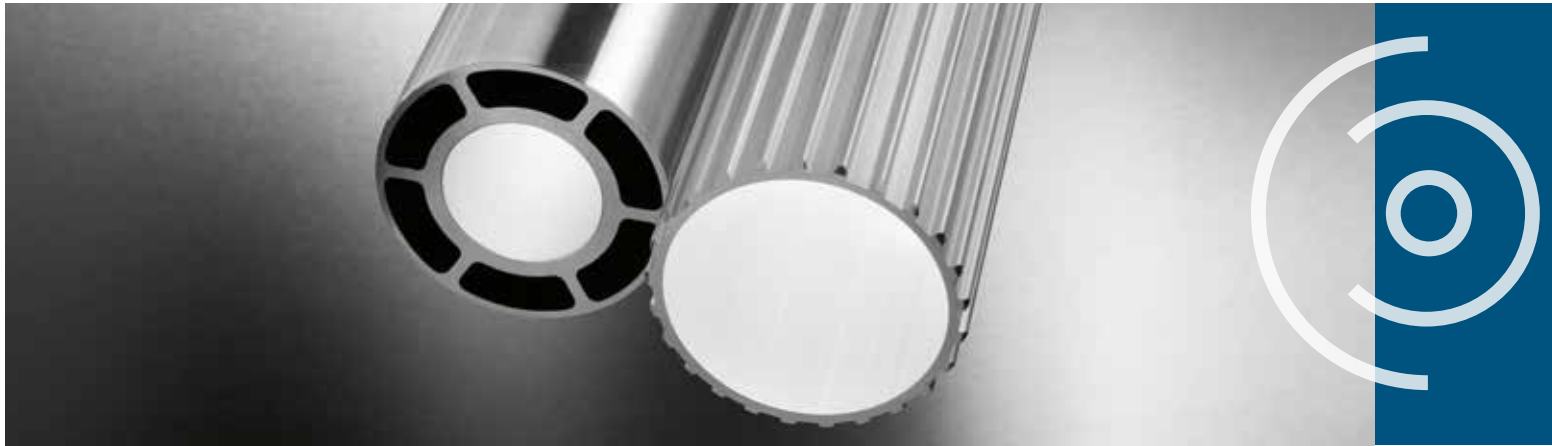
COMPUTER-CONTROLLED HIGH-BAY WAREHOUSE WITH 1800 STORAGE CASSETTES

600 TONNES ALWAYS IN STOCK

Our extensive inventory comprises aluminum products in various grades and dimensions, e.g. roller tubes and cylinder tubes with a diameter of up to 400 mm and a wall thickness of 1.5 mm to 40 mm.

BRIDGE- / PROFILE TUBES

Frame pipes with a double wall (SR) and profile pipes with an outer contour (PR) in standardized versions are always in stock. If the desired geometry is not listed, we offer like an individual solution.



ALLOY

- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215$ MPa

PRODUCTION PROCESS

- hot extruded via chamber mould calibrated

SAWING

- to fixed lengths, burr-free, with narrow tolerances

SR FIXED LENGTH

- $OD \leq 160$ mm 0,6 mm/m

STRAIGHTENING FIXED LENGTH

- concentric accuracy down to 0.20 mm/m

GRINDING (BT)

- centerless grinding

SURFACE REFINEMENT

- anodizing
- hard-anodizing
- PROTEK®
- others on demand

PROCESSED

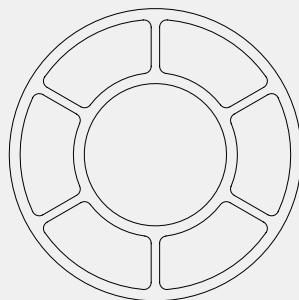
- machining according to drawing

OTHERS

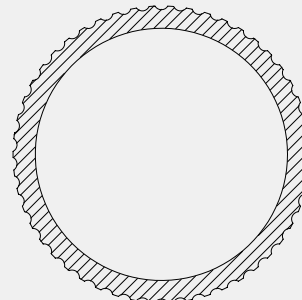
In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

CHARACTERISTICS

- suitable for hard-anodizing
- good machinability
- low residual stress
- corrosion-resistant
- little imbalance
- tight diameter tolerance
- high concentricity accuracy

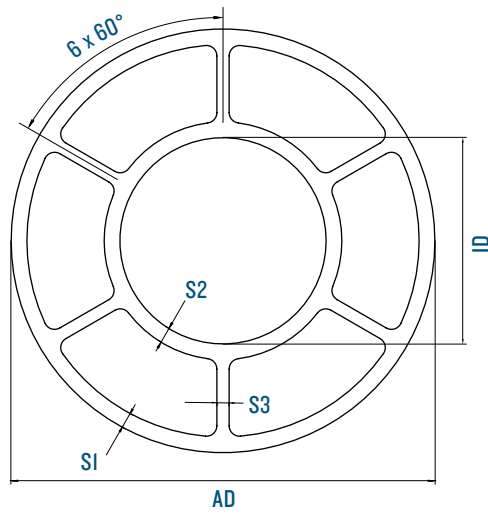


(SR)=bridge tube



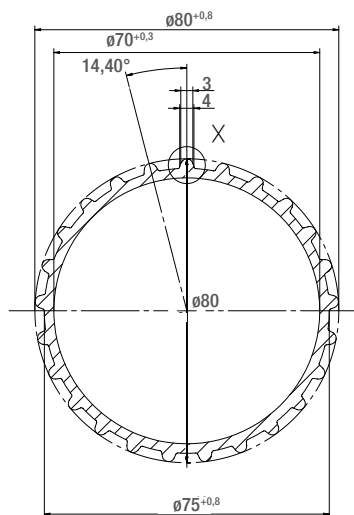
(PR)= profile tube

BRIDGE- / PROFILE TUBES

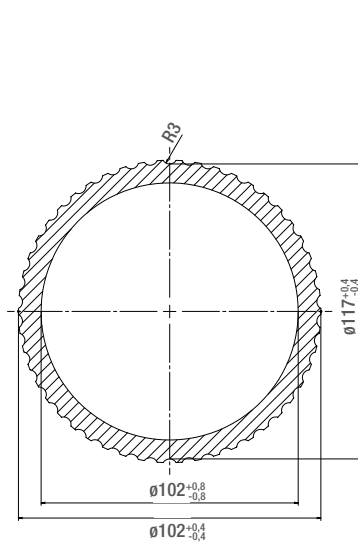


	80	100	120	160
OD [mm]	81,5	101,2	121,2	160,0
tolerance	+/- 0,20	+/- 0,25	+/- 0,30	+/- 0,30
ID [mm]	43,5	59,0	59,0	59,5
tolerance ID [mm]	+/- 0,15	+/- 0,15	+/- 0,15	+/- 0,30
S1 [mm]	3,15	4,0	4,5	5,0
S2 [mm]	4,4	4,0	4,5	5,0
S3 [mm]	3,0	3,0	3,5	5,0
weight aprox. [kg/m]	4,6	6,4	8,4	12,9
Moment of inertia Ix [mm ⁴]	919.300	2.070.100	3.869.500	9.808.100
resistance moment Wx [mm ³]	22.560	40.910	63.850	122.600

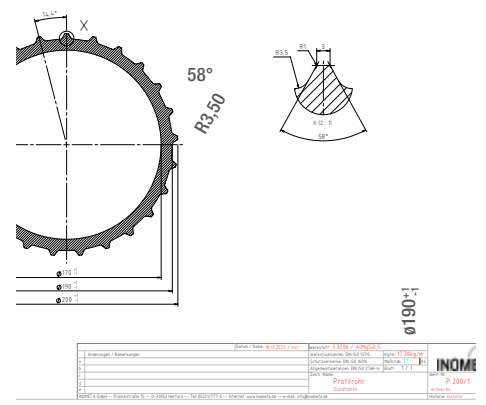
PR 80



PR 120



PR 200



$\varnothing 170^{+1}$
 $\varnothing 200^{+1}$



TUBES MADE TO ORDER

PRECISION FOR YOUR PRODUCTION

Quality tubes made by INOMETA are essential for demanding rollers used in the production of film and paper, as well as in printing and finishing converting. The product portfolio of INOMETA also includes winding cores as well as cylinder tubes and profiles for pneumatics and automation.

ALUMINUM CYLINDER TUBES

Cylinder tubes for control and working cylinders are used in pneumatic and low-pressure hydraulic systems.



ALLOY

- AlMgSi 0,5 DIN 1725
- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215$ MPa

PRODUCTION PROCESS

- hot extruded via chamber mould calibrated
- at manufacturing lengths, it is possible for contact points on both sides

SAWING

- to fixed lengths, burr-free, with narrow tolerances

**depends on dimensions

SURFACE ROUGHNESS

- $R_a \leq 0,6 \mu\text{m}$ to $NW \leq 140$
- $R_a \leq 1,0 \mu\text{m}$ to $NW \leq 200$
- $R_a \leq 1,2 \mu\text{m}$ to $NW > 200$

SURFACE

- hard-anodized, inside and outside
- coating thickness $20 \mu\text{m}$
- hardness 420 HV
- without coating

STRAIGHTNESS

- $0,8 \text{ mm/m}^{**}$

PROCESSED

- machining according to drawing, CPT plus

OTHERS

In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

DRAWING PROFILES

- on demand



INOMETA-EXPRESS

Complete packaging units of tubes with standard dimensions can be dispatched from stock within 24 hours.

ALUMINUM CYLINDER TUBES – DIMENSIONS (mm)

Approximately 600 tons of aluminum cylinder tubes are available from stock in the following dimensions:

Nenn- weite	Toleranz	D	x	s	kg/m
12	H11	16,00	x	2,00	0,24
• 16	H11	20,00	x	2,00	0,31
20	H11	25,00	x	2,50	0,48
25	H11	29,00	x	2,00	0,46
• 25	H11	30,00	x	2,50	0,58
• 32	H11	36,00	x	2,00	0,58
32	H11	38,00	x	3,00	0,89
35	H11	40,00	x	2,50	0,80
• 40	H11	44,00	x	2,00	0,71
• 40	H11	45,00	x	2,50	0,90
40	H11	46,00	x	3,00	1,09
45	H11	50,00	x	2,50	1,01
• 50	H11	54,00	x	2,00	0,88
• 50	H11	55,00	x	2,50	1,11
50	H11	56,00	x	3,00	1,35
58	H11	63,00	x	2,50	1,28
• 63	H11	68,00	x	2,50	1,39
63	H11	69,00	x	3,00	1,68
• 70	H11	76,00	x	3,00	1,86
80	H11	85,00	x	2,50	1,75
• 80	H11	86,00	x	3,00	2,11
80	H11	87,00	x	3,50	2,48
80	H11	88,00	x	4,00	2,85
85	H11	89,00	x	2,00	1,48

Nenn- weite	Toleranz	D	x	s	kg/m
90	H11	98,00	x	4,0	3,19
100	H12	105,00	x	2,50	2,17
• 100	H11	106,00	x	3,00	2,62
• 100	H12	106,00	x	3,00	2,62
100	H11	107,00	x	3,50	3,07
100	H11	108,00	x	4,00	3,53
110	H12	116,00	x	3,00	2,88
• 125	H11	132,00	x	3,50	3,81
• 125	H12	132,00	x	3,50	3,81
125	H11	133,00	x	4,00	4,38
125	H12	133,00	x	4,00	4,38
125	H11	135,00	x	5,00	5,51
140	H11	150,00	x	5,00	6,15
• 150	H11	160,00	x	5,00	6,57
• 160	H11	167,00	x	3,50	4,85
160	H13	167,00	x	3,50	4,85
• 160	H11	170,00	x	5,00	7,00
160	H13	170,00	x	5,00	7,00
• 200	H11	210,00	x	5,00	8,69
• 200	H14	210,00	x	5,00	8,69
• 250	H11	262,00	x	6,00	13,03
• 300	H11	312,00	x	6,00	15,57
• 320	H11	336,00	x	8,00	22,26
400	H11	420,00	x	10,00	33,93
500	H11	524,00	x	12,00	53,57

D = external diameter in mm
s = wall thickness in mm
nominal width = Inner diameter in mm
kg/m = average meter weight (rounded)
• = storage dimensions

other dimensions on request

storage dimensions – dispatch of complete
packaging units possible within 24 hours
(European Union)



ALUMINUM CYLINDER TUBES – DIMENSIONS (Inch)

Nenn- weite	Toleranz	D	x	s	kg/m
1,25	H11	35,81	x	2,03	0,58
1,75	H11	49,23	x	2,39	0,95
2,00	H11	55,58	x	2,39	1,08
2,50	H11	68,28	x	2,39	1,39
3,00	H11	80,98	x	2,39	1,59
4,00	H11	106,38	x	2,39	2,03

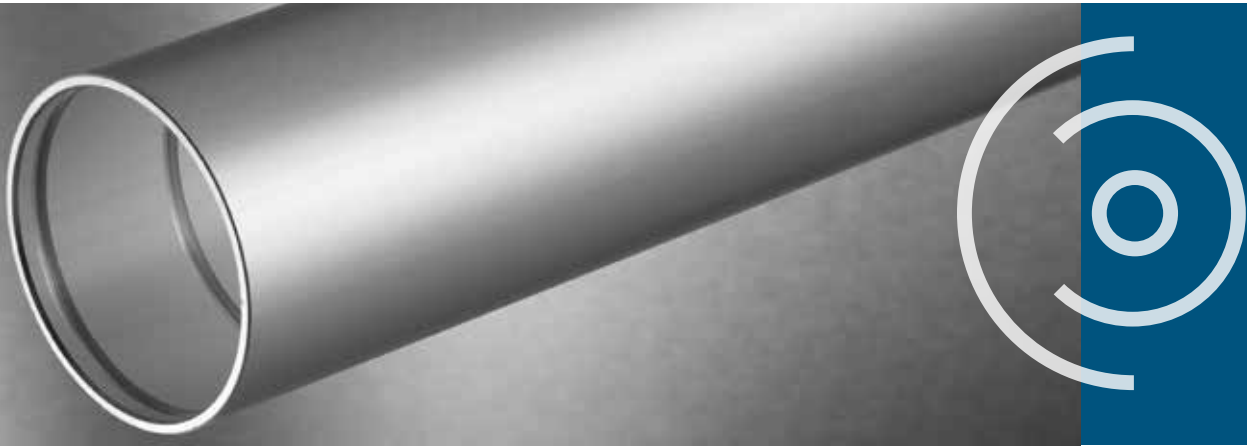
Nenn- weite	Toleranz	D	x	s	kg/m
5	H11	134,00	x	3,50	3,87
6	H11	159,40	x	3,50	4,62
8	H11	212,72	x	4,76	8,40
8	H11	213,20	x	5,00	8,83
10	H11	270,00	x	8,00	17,78
12	H11	320,80	x	8,00	21,23

D = external diameter in mm
s = wall thickness in mm
nominal width = Inner diameter in Inch
kg/m = average meter weight (rounded)

other dimensions on request

CPT-PLUS CYLINDER TUBE

On demand, INOMETA can also supply its first-class, ready-to-install CPT plus cylinder tubes which precisely fit individual applications.



ALLOY

- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215$ MPa

PRODUCTION PROCESS

- hot extruded via chamber mould calibrated

SAWING

- to fixed lengths, burr-free, with narrow tolerances

GRINDING

- centerless grinding

SURFACE REFINEMENT

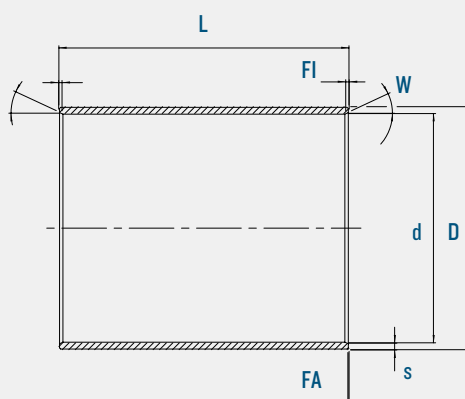
- anodizing
- hard-anodizing
- PROTEK®
- others on demand

PROCESSED

- machined according to drawing, as ready to install
Cylinder tube CPT plus

OTHERS

In our high-bay warehouse with integrated
Sawing center store over 600 tons of aluminum tubes
and profiles



- D = external diameter
- d = inner diameter
- L = length
- s = wall thickness
- FA = chamfer OD
- FI = chamfer ID
- W = angle

STAINLESS STEEL CYLINDER TUBES – DIMENSIONS (mm)

Low surface roughness on the inner surfaces as well as narrow inner diameter tolerances (H11) are the essential quality characteristics of stainless steel cylinder tubes made by INOMETA. Applications are e. g. in the food industry or wherever aggressive substances are handled



ALLOY

- I.430I metallographic material

SURFACE ROUGHNESS

- Ra < 0,4 µm

NOMINAL WIDTH

- 8 mm - 63 mm

PRODUCTION PROCESS

- precision tube, seam-welded (V = I.0)
- cold-drawn, ground

MATERIAL TESTS

- eddy current test
- nondestructive, acc. to SEP I914
- impermeability test for tubes acc. to SEP I925

DIMENSIONS

nominal width	tolerances	D	x	s	kg/m
8	H11	9,27	x	0,635	0,13
10	H11	11,27	x	0,635	0,16
12	H11	13,27	x	0,635	0,19
16	H11	17,27	x	0,635	0,26
20	H11	21,27	x	0,635	0,32
25	H11	26,52	x	0,760	0,48
32	H11	33,60	x	0,800	0,65
40	H11	41,60	x	0,800	0,81
50	H11	52,40	x	1,200	1,52
63	H11	65,40	x	1,200	1,91

D = external diameter in mm
s = wall thickness in mm
d = inner diameter in mm

other dimensions on request



WE SAW, MACHINE ENDS, LATHE, MILL AND GRIND.

A ONE-STOP SOLUTION!

INOMETA is your partner for the precise production of tubes and profiles from aluminum for efficient further processing in your company. The profiles are fully machined and supplied ready-to-install, which reduces your production effort and allows you to focus on your core business. We reduce your production effort and allow you to focus on your core business.

PNEUMATIC PROFILES ALUMINUM

Cylinder tubes for control and working cylinders are used in pneumatic and low-pressure hydraulic systems. On request also tailor made – acc. to your drawing.



ALLOY

- AIMgSi 0,5 DIN 1725
- EN AW-6060/ 6063
- warm-hardened
- tensile strength $R_m \geq 215$ MPa

PRODUCTION PROCESS

- hot extruded via chamber mould calibrated
- at manufacturing lengths, it is possible for contact points on both sides

SAWING

- to fixed lengths, burr-free, with narrow tolerances

**depends on dimensions

SURFACE ROUGHNESS

- $R_a \leq 0,6 \mu\text{m}$ to $NW \leq 140$
- $R_a \leq 1,0 \mu\text{m}$ to $NW \leq 200$
- $R_a \leq 1,2 \mu\text{m}$ to $NW > 200$

SURFACE

- hard-anodized, inside and outside
- coating thickness $20 \mu\text{m}$
- hardness 420 HV
- without coating

STRAIGHTNESS

- $0,8 \text{ mm/m}^{**}$

PROCESSED

- machining according to drawing, CPT plus

OTHERS

In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

DRAWING PROFILES

- on demand



INOMETA-EXPRESS

Complete packaging units of tubes with standard dimensions can be dispatched from stock within 24 hours.

PNEUMATIC PROFILES ALUMINUM – DIMENSIONS (mm)

INOMETA has the following profiles on stock for you:

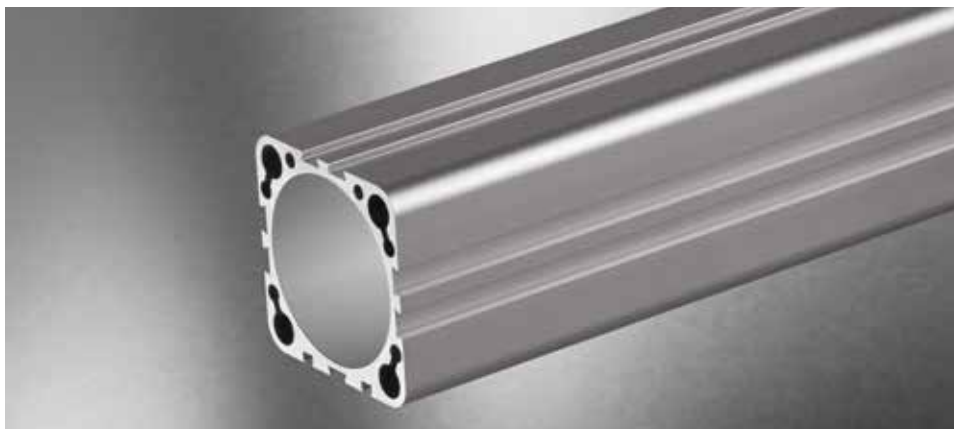
MM-PROFILES

nominal width	tolerance	D	x	s	kg/m
32	H11	36,00	x	2,00	1,38
40	H11	45,00	x	2,50	1,63
50	H11	55,00	x	2,50	2,25
63	H11	68,00	x	2,50	2,60
80	H11	86,00	x	3,00	3,66
100	H12	106,00	x	3,00	4,92
125	H12	132,00	x	3,50	7,08
160	H12	170,00	x	5,00	12,26
200	H12	210,00	x	5,00	14,82



COMPACT PROFILES

nominal width	tolerance	D	x	s	kg/m
32	+0,16	45,00	x	45,00	2,37
40	+0,16	53,00	x	53,00	2,98
50	+0,18	55,00	x	59,00	3,82
63	+0,19	64,00	x	76,50	5,69
80	+0,22	94,00	x	89,20	6,59
100	+0,45	114,00	x	109,20	9,58



SHORT STROKE PROFILES

nominal width	tolerance	D	x	H	kg/m
20	+ 0,20	36,00	x	38,00	2,17
32	+ 0,25	46,00	x	49,50	3,09
63	+ 0,35	79,00	x	85,00	7,66



nominal width = Inner diameter in mm
kg/m = average meter weight (rounded)
other dimensions on request

OUR GOAL IS TO EXTEND YOUR COMPETITIVE EDGE

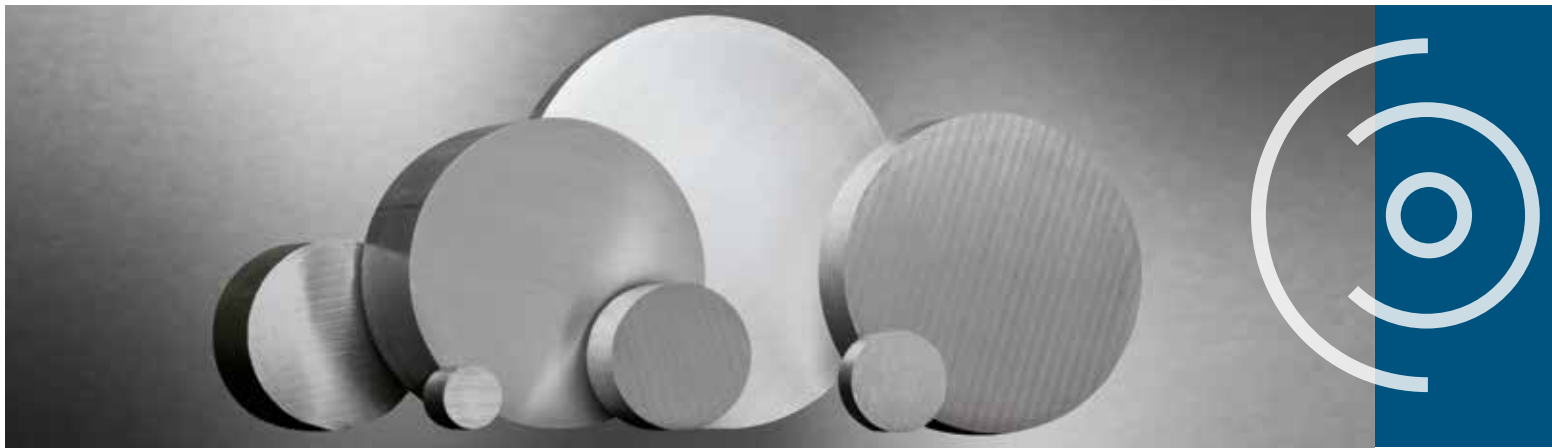
WE ENSURE THAT EVERYTHING RUNS SMOOTHLY

INOMETA is a globally successful technology company. Creativity and know-how are the pillars upon which INOMETA has built a technological lead at the highest international level.



ALUMINUM ROUND BARS

Round bars used in the production of machined and milled parts as well as roller bases complement the extensive product portfolio of INOMETA. If required, various dimensions and alloys can be supplied.



ALLOY

- EN AW 2007, AlCuMgPb
- tensile strength $R_m \geq 330$ MPa
(Drilling and turning quality, very easy to machine)

- EN AW-6082, AlMgSi 1
- tensile strength $R_m \geq 270$ MPa
(weldable, good anodization)

- EN AW-7075, AlZnMgCu 1,5
- tensile strength $R_m \geq 470$ MPa
(high tensile strength)

STANDARD

- acc. DIN EN 754-1,2,3,9
- acc. DIN EN 755-1,2,3,9

SAWING

- to fixed lengths, burr-free, with narrow tolerances

OTHERS

In our high-bay warehouse with integrated
Sawing center store over 600 tons of aluminum tubes
and profiles

OTHER VERSIONS ON REQUEST

- rectangular
- square
- hexagonal



ALUMINUM ROUND BARS – DIMENSIONS

INOMETA's round bars made of aluminum are available in the following alloys:

D	kg/m	AlCuMgPb 2007	AlMgSi 1 6082	AlZnMgCu 1,5 7075
25,00	1,3	•		
30,00	1,9	•		
32,00	2,2			
40,00	3,4	•		
45,00	4,3	•		
50,00	5,3	•		
55,00	6,4	•		
60,00	7,6	•		
65,00	9,0	•		
70,00	10,4	•		
75,00	11,9	•		
80,00	13,6	•		
85,00	15,3	•		
90,00	17,2	•		
95,00	19,1	•		
100,00	21,2	•		
105,00	23,4			
110,00	25,7	•		
115,00	28,0	•		
120,00	30,5	•		
130,00	35,8	•		
135,00	38,6	•		
140,00	41,6	•		
150,00	47,7	•		
160,00	54,3	•		
170,00	61,3	•		
180,00	68,7	•		
190,00	76,6	•		
200,00	84,8	•		
210,00	93,5	•		
220,00	102,6	•		
230,00	112,2	•		
240,00	122,1	•		
250,00	132,5	•		
260,00	143,4	•		
270,00	154,6	•		
280,00	166,3	•		
300,00	190,9	(•)		
320,00	217,1	(•)		
330,00	230,9	(•)		
350,00	259,8	(•)		
400,00	339,3	(•)		

D = external diameter in mm
Further dimensions on demand.

(•) = not on stock

kg/m = average meter weight (rounded)

Further dimensions on demand.



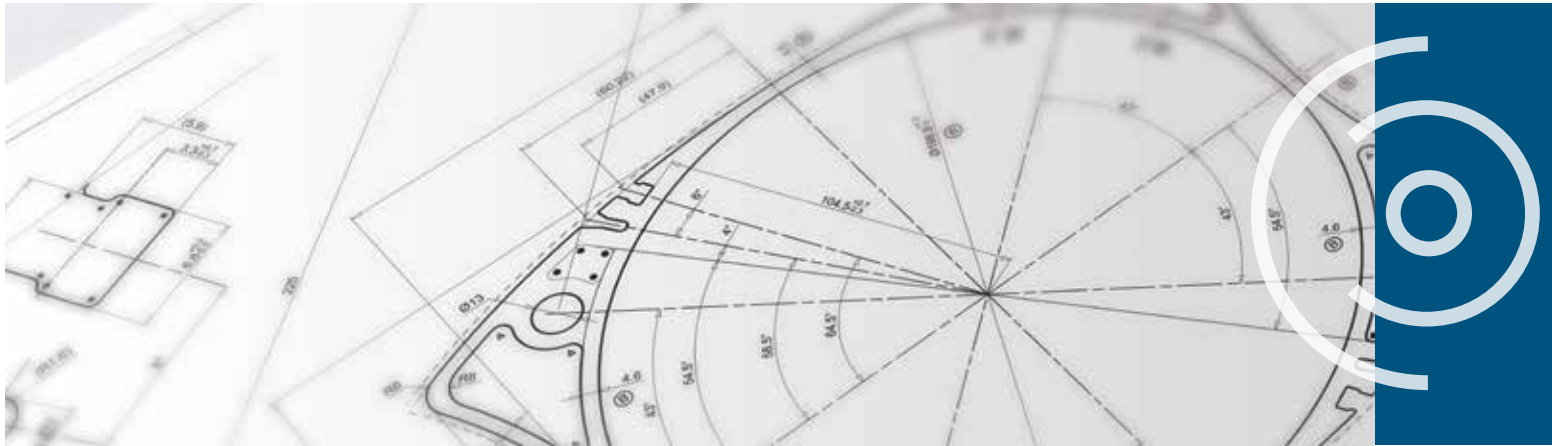
CUSTOMIZED SPECIAL PROFILES

CUSTOMER-SPECIFIC MANUFACTURING

We provide support from the planning stage through to production of individual aluminum special profiles. For over 30 years, we have planned, produced and machined customer-specific special profiles and supported our customers throughout the entire process. As part of our role, we check that production of the profiles is technically feasible at an early stage.

COMPLEX DRAWING PROFILES

INOMETA drawing profiles offer almost unlimited shaping of aluminum profiles. Our special profiles characterized by tight tolerances and high quality workmanship and can in small batches, just-in-time to be delivered. In addition, we also offer you other processing such as anodizing, powder coating and painting.



ADVANTAGES

- tight tolerances
- warehousing
- small lot sizes
- Just-in-time deliveries
- fixed lengths
- machining

ALLOY GROUPS

- 3xxx, 5xxx, 6xxx, 7xxx
- customized alloys on request

MATERIAL CONDITIONS

- T1 - T651

METER WEIGHTS

- 0,10-100 kg/m

SURFACE FINISHING

- anodize
- powder coating
- paint

APPLICATIONS & AREAS OF APPLICATION

- machine components
- motor housing
- drive shafts
- aluminium rollers production
- linear technology
- Pneumatics
- hydraulic

OTHERS

INOMETA is happy to assist in the definition of the required specification and check the manufacturing feasibility already in the planning process

ELECTRIC ENGINE PROFILES ACC. TO YOUR DRAWING

INOMETA drawing profiles offer almost unlimited shaping of aluminum profiles. Our special profiles characterized by tight tolerances and high quality workmanship and can in small batches, just-in-time to be delivered. In addition, we also offer you other processing such as anodizing, powder coating and painting



ADVANTAGES

- tight tolerances
- warehousing
- small lot sizes
- Just-in-time deliveries
- fixed lengths
- machining

ALLOY GROUPS

- EN AW 6060 / 6063
- customized alloys on request

MATERIAL CONDITIONS

- T6 / T66

METER WEIGHTS

- 0,10-100 kg/m

SURFACE FINISHING

- anodize
- paint

PROCESSED

- CNC machining according to drawing, CPT plus

OTHERS

In our high-bay warehouse with integrated Sawing center store over 600 tons of aluminum tubes and profiles

APPLICATIONS & AREAS OF APPLICATION

- electromobility
- motor housing
- pump housing

OTHERS

INOMETA is happy to assist in the definition of the required specification and check the manufacturing feasibility already in the planning process





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