

ALUMINIUM
STANDARD PROFILES
CATALOGUE

2026

Precision & Quality around Metal

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SURFACE FINISHING

All profiles listed in this catalogue are also available powder coated and anodised.



Powder Coating

All profiles listed in this catalogue can be supplied powder coated in any RAL colour or special shade requested.

Thanks to our own in-house powder coating facility, we can respond quickly to your requirements and offer short lead times.



Anodising

All profiles can also be supplied anodised to the required finish.

EXTRUSION CAPABILITIES

Technical ranges according to catalogue data. Availability and feasibility subject to confirmation.



Extruded profile dimension

Max. diagonal 250 mm

Always be advised by LANGLITZ.



Weight per meter

Max. 15 kg/m



Standard length

6,000 mm

Special lengths after agreement.

Maximum dimensions per shape

	Shape	Max. dimension
	Tubes	Ø 200 x 5 mm
	Square hollow sections	150 x 150 x 6 mm
	Rectangular hollow sections	200 x 100 x 6 mm
	Equal leg angles & T-sections	150 x 150 x 13 mm
	Unequal leg angles & channels	240 x 40 x 12 mm
	Rectangular (flat) bars	250 x 15 mm
	Square bars	70 x 70 mm
	Round bars	Ø 80 mm

EXTRUDED ALLOYS – CHEMICAL COMPOSITION & TEMPERS

Chemical composition per EN 573-3

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Oth.E	Oth.T	Al
6060	0.30-0.60	0.10-0.30	0.10	0.10	0.35-0.60	0.05	0.15	0.10	0.05	0.15	Rest
6063	0.20-0.60	0.35	0.10	0.10	0.45-0.90	0.10	0.10	0.10	0.05	0.15	Rest
6005A	0.50-0.90	0.35	0.30	0.50	0.40-0.70	0.30	0.20	0.10	0.05	0.15	Rest
6082	0.70-1.30	0.50	0.10	0.40-1.00	0.60-1.20	0.25	0.20	0.10	0.05	0.15	Rest
6061*	0.40-0.80	0.70	0.15-0.40	0.15	0.80-1.20	0.04-0.35	0.25	0.15	0.05	0.15	Rest

05

Available alloy & temper combinations

Temper	6060	6063	6005A	6082	6061
O	✓	✓	–	✓	–
T4	✓	✓	✓	✓	✓
T5	✓	✓	–	✓	–
T64	–	–	–	–	✓
T6	✓	✓	✓	✓	✓
T66	✓	✓	–	–	–

Temper designation EN 515:2017

Temper	Description
F	As fabricated – no limits specified
O	Annealed wrought alloys
T4	Solution heat treated & naturally aged
T5	Underaged, artificially aged – bending temper
T6	Sol. heat treated & art. aged; press quenching req'd
T66	Special process control; press quenching req'd

Bendability classes (EN 15088:2005)

Alloy	T4	T5	T6	T6510	T64	T66
6060	–	–	B3	B3	–	B3
6063	–	B3	B3	B3	–	B3
6082	B2	–	B2	–	–	–
6061	B2	–	B2	–	–	–

B2 Material is in mid strained hardened/naturally aged/partially aged hardened. Bendability for simple symmetrical sections with medium radii is possible. Thin walled or complicated sections may require special devices or bending machines.

B3 Material is in hard/fully age hardened. For simple symmetrical sections bendability is possible only with relatively large radii. Thin walled or complicated sections may require special devices or bending machines.

PHYSICAL & MECHANICAL PROPERTIES

Physical properties

Property	6060	6063	6005A	6082	6061
Melting range °C	585-650	585-650	585-650	585-640	580-640
Density g/cm ³	2.70	2.70	2.70	2.70	2.70
Elec. conductivity MS/m	34-38	26-32	24-32	22-30	
Therm. conductivity W/(m·K)	200-220	180-220	170-220	170-200	
Specific heat J/(kg·K)	898		896		
Therm. exp. -50→20°C (10 ⁻⁶ /K)	21.8				
Therm. exp. 20→100°C (10 ⁻⁶ /K)	23.4	23.4	23.4	23.4	23.0
Therm. exp. 20→200°C (10 ⁻⁶ /K)	24.5				
Therm. exp. 20→300°C (10 ⁻⁶ /K)	25.6				
Young's modulus MPa	69500	69500	69500	70000	70000
Shear modulus MPa	26100	26100	26200	26400	26300

Mechanical properties as per EN 755-2:2016

Alloy	Temper	Wall Thickness	Tensile strength	Yield strength	Elongation		Brinell Hardness
		e mm*	Rm	Rp0.2	A	A50mm	HB
6060	T4	e≤25	120	60	16	14	50
	T5	e≤5	160	120	8	6	60
		5<e≤25	140	100	8	6	60
	T6	e≤5	190	150	8	6	60
		5<e≤25	170	140	8	6	60
	T64	e≤15	180	120	12	10	60
	T66	e≤5	215	180	8	6	75
		5<e≤25	195	150	8	6	80
6063	T4	e≤25	130	65	14	12	50
	T5	e≤10	175	130	8	6	65
		10<e≤25	160	110	7	5	65
	T6	e≤10	215	170	8	6	75
		10<e≤25	195	160	8	6	80
	T66	e≤10	245	200	8	6	80
		10<e≤25	225	180	8	6	80
6005A	T4 open	e≤25	180	90	15	13	50
	T4 hollow	e≤10	180	90	15	13	50
	T6 open	e≤5	270	225	8	6	85
	T6 hollow	5<e≤10	260	215	8	6	85
	T6 open	5<e≤5	255	200	8	6	85
		5<e≤15	250	200	8	6	85
	T4 open	e≤25	205	110	14	12	65
	T5 open	e≤5	270	230	8	6	90
6082	T5 hollow	e≤5	270	230	8	6	90
	T6 open	e≤5	290	250	10	8	95
	T6 hollow	e≤5	310	260	8	6	95
	T6 hollow	5<e≤15	310	260	8	6	95
6061	T4	e≤25	180	110	15	13	65
	T6	e≤5	260	240	9	7	95
	T6	5<e≤25	260	240	10	8	95

* For a profile with different wall thicknesses, the lowest specified property values apply to the whole cross section. ** The values for the HB hardness are indicative only.

6XXX SERIES ALUMINIUM ALLOYS

Extrudability decreases ↓

Mechanical properties increase ↓

Category	Alloy	Temper	Characteristic
Soft	6060	T4,T5,T6,T66	V. good extrudability, good surface, lower strength
	6063	T4,T5,T6,T66	V. good extrudability, v. good surface, lower-medium strength
	*6101A	T6	Good extrudability, higher strength
	*6101B	T6	Good extrudability, higher strength
Medium	*6005	T4,T6	Limited extrudability, medium-high strength
	6061	T4,T6	Limited extrudability, medium-high strength
	*6082	T4,T5,T6	Harder to extrude, high strength
	6106	T6	Harder to extrude, high strength

* Special alloy on request

The higher the alloy strength, the harder to extrude; further down means higher strength and hardness.

PRODUCT FORMS & APPLICATIONS

Alloy	Characteristic properties	Applications
6060	V. good corrosion resistance & weldability, medium strength, complex sections, good anodising quality	Architectural sections, windows, doors, curtain walls, railings, furniture, heat sinks, electric motor housings
6005A	V. good corrosion resistance, medium-high strength, complex sections	Bus & railway structures, structural engineering, pylons, platforms, pipelines
6082	Good weldability, medium-high strength, good machinability, formable	Heavy-duty structures: rail coaches, truck frames, shipbuilding, offshore, bridges, scaffolding

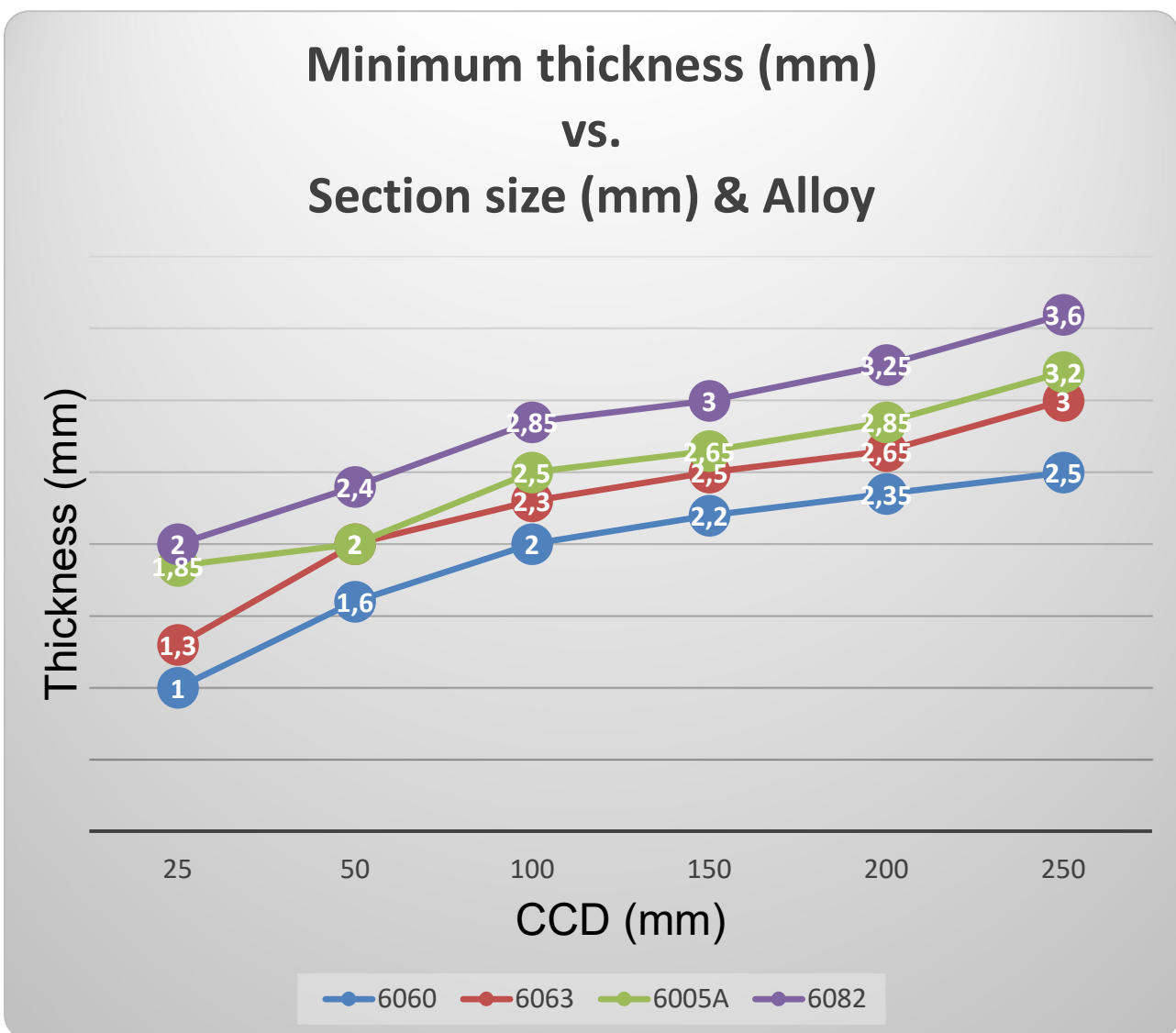
TOLERANCES

We follow the European (and, on request, international) norms for:

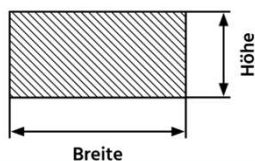
EN-Norm	Description
EN 755-1	Technical conditions for inspection & delivery
EN 755-2	Mechanical properties
EN 515	Temper designation
EN 573-3	Chemical composition & form
EN 755-3	Round bars, tolerances
EN 755-4	Square bars, tolerances
EN 755-5	Rectangular bars, tolerances
EN 755-6	Hexagonal bars, tolerances
EN 755-8	Porthole square, rect, hex, Oct & round tubes
EN 755-9	Profiles, tolerances on dimension & form
EN-12020-1	Inspection & delivery, precision profiles
EN-12020-2	Tolerances, precision profiles
Metallic products – materials	
EN ISO 6892-1	Tensile testing, part 1
EN-10204	Inspection certificates 2.3, 3.1, 3.2
On special request	
ASTM B221M-07	Spec. for extruded bars, rods, wire, profiles & tubes
ASTM B429M-06	Spec. for Extruded Structural Pipe or Tube
BS EN 8493:2004	Tube – Drift-expanding test

MINIMUM THICKNESS VS SECTION SIZE / MINDESTWANDDICKE VS. QUERSCHNITTSGRÖSSE

Depending on the circumscribed circle diameter (CCD) and alloy, the minimum wall thickness should follow the trend below.



FLAT & SQUARE BARS

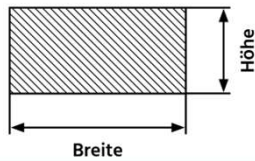


All dimensions in millimetres

Width		Height	Weight kg/m
6	x	6	0.097
7	x	3,5	0.066
7	x	7	0.132
8	x	8	0.173
10	x	2	0.054
10	x	3	0.081
10	x	4	0.108
10	x	5	0.135
10	x	6	0.162
10	x	8	0.216
10	x	10	0.270
12	x	2	0.065
12	x	3	0.097
12	x	4	0.129
12	x	5	0.162
12	x	6	0.194
12	x	8	0.259
12	x	10	0.324
12	x	12	0.389
14	x	4	0.151
14	x	8	0.302
14	x	14	0.529
15	x	2	0.081
15	x	3	0.122
15	x	4	0.162
15	x	5	0.203
15	x	6	0.243
15	x	8	0.324
15	x	10	0.405
15	x	12	0.486
15	x	15	0.608
16	x	2,5	0.108
16	x	16	0.691
18	x	1.65	0.081
18	x	2,5	0.122
18	x	3	0.146
18	x	4	0.194

Width		Height	Weight kg/m
18	x	5	0.243
18	x	8	0.389
18	x	18	0.875
20	x	1,5	0.081
20	x	2	0.108
20	x	2,5	0.135
20	x	3	0.162
20	x	4	0.216
20	x	5	0.270
20	x	6	0.324
20	x	7	0.378
20	x	8	0.432
20	x	10	0.540
20	x	12	0.648
20	x	15	0.810
20	x	20	1.080
22	x	22	1.307
25	x	2	0.135
25	x	2,5	0.169
25	x	3	0.203
25	x	4	0.270
25	x	5	0.338
25	x	6	0.405
25	x	8	0.540
25	x	10	0.675
25	x	12	0.810
25	x	15	1.013
25	x	20	1.350
25	x	25	1.688
27	x	20	1.458
28	x	2	0.151
28	x	7	0.529
28	x	26	1.966
28	x	28	2.117
30	x	1,5	0.122
30	x	2	0.162
30	x	3	0.243

FLAT & SQUARE BARS

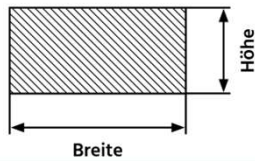


All dimensions in millimetres

Width		Height	Weight kg/m
30	x	4	0.324
30	x	5	0.405
30	x	6	0.486
30	x	7	0.567
30	x	8	0.648
30	x	10	0.810
30	x	12	0.972
30	x	15	1.215
30	x	20	1.620
30	x	25	2.025
30	x	30	2.430
32	x	32	2.765
34	x	20	1.836
35	x	2	0.189
35	x	3	0.284
35	x	4	0.378
35	x	5	0.473
35	x	6	0.567
35	x	8	0.756
35	x	10	0.945
35	x	12	1.134
35	x	15	1.418
35	x	20	1.890
35	x	25	2.363
35	x	30	2.835
35	x	35	3.308
36	x	6	0.583
40	x	1,5	0.162
40	x	2	0.216
40	x	3	0.324
40	x	4	0.432
40	x	5	0.540
40	x	6	0.648
40	x	8	0.864

Width		Height	Weight kg/m
40	x	10	1.080
40	x	12	1.296
40	x	15	1.620
40	x	20	2.160
40	x	25	2.700
40	x	30	3.240
40	x	35	3.780
40	x	40	4.320
42,5	x	2	0.230
43	x	43	4.992
45	x	2	0.243
45	x	3	0.365
45	x	4	0.486
45	x	5	0.608
45	x	6	0.729
45	x	8	0.972
45	x	10	1.215
45	x	15	1.823
45	x	20	2.430
45	x	25	3.038
45	x	30	3.645
45	x	45	5.468
48	x	5	0.648
50	x	2	0.270
50	x	3	0.405
50	x	4	0.540
50	x	5	0.675
50	x	6	0.810
50	x	8	1.080
50	x	10	1.350
50	x	12	1.620
50	x	15	2.025
50	x	18	2.430
50	x	20	2.700
50	x	25	3.375
50	x	30	4.050

FLAT & SQUARE BARS

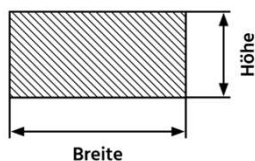


All dimensions in millimetres

Width		Height	Weight kg/m
50	x	35	4.725
50	x	40	5.400
50	x	50	6.750
55	x	3	0.446
55	x	6	0.891
55	x	8	1.188
55	x	10	1.485
55	x	25	3.713
55	x	55	8.168
60	x	2	0.324
60	x	3	0.486
60	x	4	0.648
60	x	5	0.810
60	x	6	0.972
60	x	8	1.296
60	x	10	1.620
60	x	12	1.944
60	x	15	2.430
60	x	20	3.240
60	x	25	4.050
60	x	30	4.860
60	x	35	5.670
60	x	40	6.480
60	x	50	8.100
60	x	60	9.720
61	x	61	10.047
65	x	4	0.702
65	x	5	0.878
65	x	8	1.404
65	x	10	1.755
65	x	15	2.633
65	x	20	3.510
65	x	65	11.408
70	x	2	0.378
70	x	3	0.567
70	x	4	0.756
70	x	5	0.945

Width		Height	Weight kg/m
70	x	6	1.134
70	x	8	1.512
70	x	10	1.890
70	x	12	2.268
70	x	15	2.835
70	x	18	3.402
70	x	20	3.780
70	x	25	4.725
70	x	30	5.670
70	x	35	6.615
70	x	40	7.560
70	x	50	9.450
70	x	70	13.230
75	x	5	1.013
75	x	6	1.215
75	x	8	1.620
75	x	10	2.025
75	x	15	3.038
75	x	20	4.050
80	x	2	0.432
80	x	3	0.648
80	x	4	0.864
80	x	5	1.080
80	x	6	1.296
80	x	8	1.728
80	x	10	2.160
80	x	12	2.592
80	x	15	3.240
80	x	20	4.320
80	x	25	5.400
80	x	30	6.480
80	x	35	7.560
80	x	40	8.640
80	x	45	9.720
80	x	50	10.800
80	x	60	12.960

FLAT & SQUARE BARS

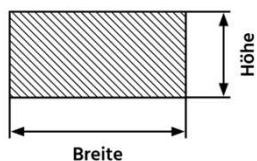


All dimensions in millimetres

Width		Height	Weight kg/m
83	x	2,5	0.560
85	x	10	2.295
90	x	2	0.486
90	x	3	0.729
90	x	4	0.972
90	x	5	1.215
90	x	6	1.458
90	x	8	1.944
90	x	10	2.430
90	x	15	3.645
90	x	20	4.860
90	x	25	6.075
90	x	30	7.290
90	x	40	9.720
98	x	20	5.292
100	x	2	0.540
100	x	3	0.810
100	x	4	1.080
100	x	5	1.350
100	x	6	1.620
100	x	8	2.160
100	x	10	2.700
100	x	12	3.240
100	x	15	4.050
100	x	20	5.400
100	x	25	6.750
100	x	30	8.100
100	x	40	10.800
100	x	50	13.500
100	x	60	16.200
103,8	x	8	2.242
110	x	5	1.485
110	x	8	2.376
110	x	10	2.970
110	x	12	3.564
110	x	30	8.910
116	x	6	1.879

Width		Height	Weight kg/m
120	x	3	0.972
120	x	4	1.296
120	x	5	1.620
120	x	6	1.944
120	x	8	2.592
120	x	10	3.240
120	x	12	3.888
120	x	15	4.860
120	x	20	6.480
120	x	25	8.100
120	x	30	9.720
120	x	40	12.960
120	x	56	18.144
125	x	8	2.700
125	x	10	3.375
125	x	12	4.050
125	x	20	6.750
130	x	5	1.755
130	x	8	2.808
130	x	10	3.510
130	x	12	4.212
130	x	15	5.265
130	x	20	7.020
140	x	5	1.890
140	x	8	3.024
140	x	10	3.780
140	x	15	5.670
140	x	20	7.560
150	x	3	1.215
150	x	4	1.620
150	x	5	2.025
150	x	6	2.430
150	x	8	3.240
150	x	10	4.050
150	x	12	4.860
150	x	15	6.075
150	x	17	6.885

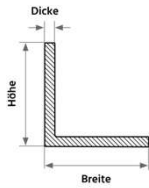
FLAT & SQUARE BARS



All dimensions in millimetres

Width		Height	Weight kg/m
150	x	20	8.100
150	x	25	10.125
150	x	30	12.150
160	x	6	2.592
160	x	8	3.456
160	x	10	4.320
160	x	12	5.184
160	x	15	6.480
160	x	16	6.912
160	x	20	8.640
165	x	20	8.910
170	x	10	4.590
170	x	30	13.770
180	x	5	2.430
180	x	10	4.860
180	x	12	5.832
180	x	15	7.290
180	x	20	9.720
200	x	5	2.700
200	x	6	3.240
200	x	8	4.320
200	x	10	5.400
200	x	15	8.100
200	x	20	10.800
210	x	3	1.701
210	x	20	11.340
220	x	22	13.068
220	x	29	17.226
250	x	3	2.025
250	x	8	5.400
250	x	10	6.750
250	x	15	10.125
250	x	20	13.500

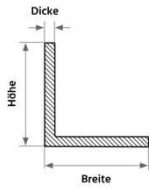
ANGLE PROFILES



All dimensions in millimetres

Height		Width		Thickness	Weight kg/m	Height		Width		Thickness	Weight kg/m
10	x	10	x	2	0.097	25	x	25	x	1,6	0.209
12	x	12	x	2	0.119	25	x	25	x	2	0.259
12	x	12	x	3	0.170	25	x	25	x	2,5	0.321
15	x	10	x	2	0.124	25	x	25	x	2,7	0.345
15	x	15	x	1,2	0.093	25	x	25	x	3	0.381
15	x	15	x	1,5	0.115	25	x	25	x	4	0.497
15	x	15	x	2	0.151	25	x	25	x	5	0.608
15	x	15	x	3	0.219	30	x	10	x	2	0.205
20	x	10	x	1,5	0.115	30	x	15	x	1,5	0.176
20	x	10	x	2	0.151	30	x	15	x	2	0.232
20	x	10	x	3	0.219	30	x	15	x	3	0.340
20	x	15	x	1,5	0.136	30	x	18	x	1,3	0.164
20	x	15	x	1,6	0.144	30	x	20	x	1,5	0.196
20	x	15	x	1,8	0.161	30	x	20	x	2	0.259
20	x	15	x	2	0.178	30	x	20	x	3	0.381
20	x	15	x	2,5	0.219	30	x	20	x	4	0.497
20	x	15	x	3	0.259	30	x	25	x	2	0.286
20	x	20	x	1,5	0.156	30	x	25	x	3	0.421
20	x	20	x	2	0.205	30	x	27	x	3	0.437
20	x	20	x	2,5	0.253	30	x	28	x	2	0.302
20	x	20	x	3	0.300	30	x	30	x	1,3	0.206
20	x	20	x	4	0.389	30	x	30	x	1,4	0.222
20	x	30	x	5	0.598	30	x	30	x	1,5	0.237
22	x	18	x	4	0.389	30	x	30	x	1,8	0.283
22	x	22	x	3	0.332	30	x	30	x	2	0.313
25	x	10	x	2	0.178	30	x	30	x	2,5	0.388
25	x	15	x	1,5	0.156	30	x	30	x	2,7	0.418
25	x	15	x	2	0.205	30	x	30	x	3	0.462
25	x	15	x	3	0.300	30	x	30	x	4	0.605
25	x	20	x	1	0.119	30	x	30	x	5	0.743
25	x	20	x	1,3	0.153	35	x	10	x	2	0.232
25	x	20	x	1,5	0.176	35	x	15	x	2	0.259
25	x	20	x	2	0.232	35	x	15	x	3	0.381
25	x	20	x	2,5	0.287	35	x	20	x	2	0.286
25	x	20	x	3	0.340	35	x	20	x	3	0.421
25	x	25	x	1	0.132	35	x	25	x	2	0.313
25	x	25	x	1,2	0.158	35	x	25	x	3	0.462
25	x	25	x	1,5	0.196	35	x	30	x	3	0.502

ANGLE PROFILES

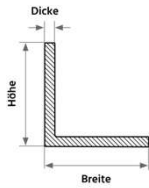


All dimensions in millimetres

Height		Width		Thickness	Weight kg/m
35	x	35	x	1,5	0.277
35	x	35	x	2	0.367
35	x	35	x	3	0.543
35	x	35	x	3,5	0.628
35	x	35	x	4	0.713
35	x	35	x	5	0.878
35	x	35	x	8	1.339
38	x	38	x	1,5	0.302
38	x	38	x	3	0.591
40	x	10	x	1,5	0.196
40	x	10	x	2	0.259
40	x	15	x	2	0.286
40	x	18	x	1,5	0.229
40	x	20	x	1,1	0.175
40	x	20	x	2	0.313
40	x	20	x	2,5	0.388
40	x	20	x	2,7	0.418
40	x	20	x	3	0.462
40	x	20	x	3,8	0.577
40	x	20	x	4	0.605
40	x	20	x	5	0.743
40	x	25	x	2	0.340
40	x	25	x	2,5	0.422
40	x	25	x	3	0.502
40	x	25	x	4	0.659
40	x	30	x	2	0.367
40	x	30	x	2,7	0.491
40	x	30	x	3	0.543
40	x	30	x	3,5	0.628
40	x	30	x	4	0.713
40	x	30	x	5	0.878
40	x	40	x	1,3	0.276
40	x	40	x	2	0.421
40	x	40	x	2,7	0.564
40	x	40	x	3	0.624
40	x	40	x	4	0.821
40	x	40	x	5	1.013
40	x	40	x	6	1.199

Height		Width		Thickness	Weight kg/m
45	x	10	x	2	0.286
45	x	15	x	2	0.313
45	x	20	x	2	0.340
45	x	20	x	2,5	0.422
45	x	20	x	3	0.502
45	x	25	x	2	0.367
45	x	25	x	3	0.543
45	x	30	x	3	0.583
45	x	35	x	4	0.821
45	x	45	x	2	0.475
45	x	45	x	3	0.705
45	x	45	x	4	0.929
45	x	45	x	5	1.147
46	x	20	x	2	0.346
50	x	10	x	2	0.313
50	x	15	x	2	0.340
50	x	15	x	3	0.502
50	x	15	x	4	0.659
50	x	18	x	1,5	0.269
50	x	20	x	1,5	0.277
50	x	20	x	2	0.367
50	x	20	x	3	0.543
50	x	20	x	4	0.713
50	x	23	x	5	0.918
50	x	25	x	1,5	0.298
50	x	25	x	2	0.394
50	x	25	x	3	0.583
50	x	25	x	4	0.767
50	x	25	x	5	0.945
50	x	30	x	2	0.421
50	x	30	x	2,5	0.523
50	x	30	x	3	0.624
50	x	30	x	4	0.821
50	x	30	x	5	1.013
50	x	35	x	3	0.664
50	x	35	x	4	0.875
50	x	40	x	1,8	0.429
50	x	40	x	2	0.475

ANGLE PROFILES

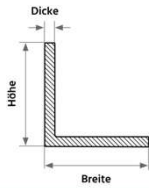


All dimensions in millimetres

Height		Width		Thickness	Weight kg/m
50	x	40	x	3	0.705
50	x	40	x	4	0.929
50	x	40	x	5	1.148
50	x	45	x	5	1.215
50	x	50	x	1,5	0.399
50	x	50	x	1,8	0.477
50	x	50	x	2	0.529
50	x	50	x	3	0.786
50	x	50	x	4	1.037
50	x	50	x	5	1.283
50	x	50	x	6	1.523
50	x	50	x	8	1.987
50	x	50	x	10	2.430
50,8	x	25,4	x	1,6	0.322
50,8	x	50,8	x	1,6	0.432
55	x	30	x	3	0.664
55	x	45	x	5	1.282
60	x	10	x	2	0.367
60	x	15	x	2	0.394
60	x	20	x	1,5	0.318
60	x	20	x	2	0.421
60	x	20	x	3	0.624
60	x	22	x	3	0.640
60	x	25	x	2	0.448
60	x	25	x	2,5	0.557
60	x	25	x	3	0.664
60	x	30	x	2	0.475
60	x	30	x	3	0.705
60	x	30	x	4	0.929
60	x	30	x	5	1.148
60	x	30	x	6	1.361
60	x	35	x	2	0.502
60	x	40	x	2	0.529
60	x	40	x	2,5	0.658
60	x	40	x	3	0.786
60	x	40	x	4	1.037
60	x	40	x	5	1.283
60	x	40	x	6	1.523

Height		Width		Thickness	Weight kg/m
60	x	50	x	3	0.867
60	x	50	x	4	1.145
60	x	50	x	5	1.417
60	x	60	x	1,5	0.480
60	x	60	x	2	0.637
60	x	60	x	2,5	0.793
60	x	60	x	3	0.948
60	x	60	x	4	1.253
60	x	60	x	5	1.553
60	x	60	x	6	1.847
60	x	60	x	7	2.136
60	x	60	x	8	2.419
60	x	60	x	10	2.970
65	x	40	x	8	2.095
65	x	50	x	4	1.199
65	x	50	x	5	1.485
65	x	50	x	6	1.766
65	x	65	x	8	2.635
70	x	15	x	2	0.448
70	x	15	x	3	0.664
70	x	18	x	1,5	0.350
70	x	20	x	2	0.475
70	x	20	x	3	0.705
70	x	25	x	2	0.502
70	x	25	x	2,5	0.624
70	x	30	x	2	0.529
70	x	30	x	3	0.786
70	x	30	x	5	1.283
70	x	40	x	2	0.583
70	x	40	x	4	1.145
70	x	40	x	5	1.417
70	x	50	x	3	0.948
70	x	50	x	5	1.553
70	x	60	x	5	1.688
70	x	70	x	2,5	0.928
70	x	70	x	3	1.110
70	x	70	x	4	1.469
70	x	70	x	5	1.823

ANGLE PROFILES

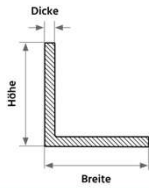


All dimensions in millimetres

Height		Width		Thickness	Weight kg/m
70	x	70	x	6	2.171
70	x	70	x	7	2.514
75	x	30	x	5	1.350
75	x	50	x	4	1.307
75	x	50	x	5	1.620
75	x	50	x	6	1.928
75	x	50	x	7	2.230
75	x	50	x	8	2.527
75	x	75	x	5	1.958
76,5	x	51	x	6	1.968
80	x	15	x	2	0.502
80	x	20	x	1,3	0.346
80	x	20	x	2	0.529
80	x	20	x	3	0.786
80	x	25	x	2	0.556
80	x	25	x	2,5	0.692
80	x	30	x	2	0.583
80	x	30	x	3	0.867
80	x	40	x	2	0.637
80	x	40	x	3	0.948
80	x	40	x	4	1.253
80	x	40	x	5	1.553
80	x	40	x	6	1.847
80	x	40	x	8	2.419
80	x	45	x	2	0.664
80	x	50	x	2	0.691
80	x	50	x	3	1.029
80	x	50	x	4	1.361
80	x	50	x	5	1.688
80	x	50	x	6	2.009
80	x	50	x	8	2.635
80	x	60	x	1,5	0.561
80	x	60	x	2	0.745
80	x	60	x	3	1.110
80	x	60	x	4	1.469
80	x	60	x	6	2.171
80	x	60	x	8	2.851
80	x	65	x	10	3.645

Height		Width		Thickness	Weight kg/m
80	x	80	x	2	0.853
80	x	80	x	3	1.272
80	x	80	x	4	1.685
80	x	80	x	5	2.093
80	x	80	x	6	2.495
80	x	80	x	8	3.283
80	x	80	x	10	4.050
80	x	80	x	12	4.795
85	x	30	x	2	0.610
90	x	18	x	1,5	0.431
90	x	30	x	3	0.948
90	x	40	x	2	0.691
90	x	40	x	4	1.361
90	x	40	x	5	1.688
90	x	40	x	6	2.009
90	x	50	x	10	3.510
90	x	60	x	6	2.333
90	x	70	x	1,8	0.769
90	x	70	x	2,5	1.063
90	x	90	x	3	1.434
90	x	90	x	6	2.819
90	x	90	x	10	4.590
98	x	58	x	8	3.197
100	x	20	x	1,3	0.417
100	x	20	x	2	0.637
100	x	25	x	2	0.664
100	x	25	x	3	0.988
100	x	25	x	5	1.620
100	x	30	x	2	0.691
100	x	30	x	3	1.029
100	x	40	x	2	0.745
100	x	40	x	3	1.110
100	x	40	x	4	1.469
100	x	40	x	6	2.171
100	x	50	x	2	0.799
100	x	50	x	3	1.191
100	x	50	x	4	1.577
100	x	50	x	5	1.958

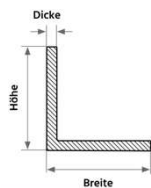
ANGLE PROFILES



All dimensions in millimetres

Height		Width		Thickness	Weight kg/m	Height		Width		Thickness	Weight kg/m
100	x	50	x	6	2.333	120	x	40	x	4	1.685
100	x	50	x	7	2.703	120	x	50	x	5	2.228
100	x	50	x	8	3.067	120	x	60	x	2	0.961
100	x	50	x	10	3.780	120	x	60	x	5	2.363
100	x	60	x	3	1.272	120	x	60	x	6	2.819
100	x	60	x	4	1.685	120	x	60	x	8	3.715
100	x	60	x	6	2.495	120	x	60	x	10	4.590
100	x	60	x	8	3.283	120	x	80	x	2,5	1.333
100	x	60	x	10	4.050	120	x	80	x	3	1.596
100	x	64	x	8	3.370	120	x	80	x	6	3.143
100	x	65	x	6	2.576	120	x	80	x	8	4.147
100	x	70	x	2	0.907	120	x	80	x	10	5.130
100	x	70	x	4	1.793	120	x	80	x	15	7.493
100	x	75	x	8	3.607	120	x	100	x	4	2.333
100	x	80	x	3	1.434	120	x	100	x	10	5.670
100	x	80	x	4	1.901	120	x	105	x	12	6.901
100	x	80	x	6	2.819	120	x	120	x	2,5	1.603
100	x	80	x	8	3.715	120	x	120	x	8	5.011
100	x	80	x	10	4.590	120	x	120	x	10	6.210
100	x	100	x	3	1.596	120	x	120	x	12	7.387
100	x	100	x	4	2.117	125	x	85	x	8	4.363
100	x	100	x	5	2.633	130	x	30	x	3	1.272
100	x	100	x	6	3.143	130	x	40	x	2	0.907
100	x	100	x	8	4.147	130	x	65	x	8	4.039
100	x	100	x	10	5.130	130	x	80	x	6	3.305
100	x	100	x	12	6.091	130	x	80	x	8	4.363
110	x	30	x	2	0.745	130	x	100	x	8	4.795
110	x	40	x	3	1.191	135	x	25	x	3	1.272
110	x	80	x	10	4.860	135	x	40	x	3	1.393
110	x	90	x	2,5	1.333	135	x	40	x	6	2.738
112	x	50	x	3	1.288	135	x	100	x	5	3.105
116	x	30	x	10	3.672	140	x	20	x	3	1.272
120	x	20	x	2	0.745	140	x	40	x	3	1.434
120	x	20	x	2,5	0.928	140	x	40	x	4	1.901
120	x	30	x	1,5	0.601	140	x	40	x	6	2.819
120	x	30	x	3	1.191	140	x	45	x	3	1.474
120	x	40	x	2,5	1.063	150	x	35	x	10	4.725
120	x	40	x	3	1.272	150	x	40	x	3	1.515

ANGLE PROFILES

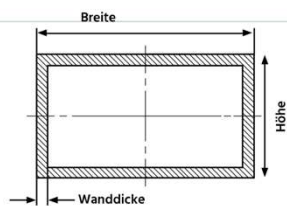


All dimensions in millimetres

Height		Width		Thickness	Weight kg/m
150	x	40	x	8	3.931
150	x	50	x	4	2.117
150	x	50	x	5	2.633
150	x	50	x	8	4.147
150	x	75	x	8	4.687
150	x	75	x	10	5.805
150	x	80	x	6	3.629
150	x	100	x	5	3.308
150	x	100	x	10	6.480
150	x	150	x	8	6.307
150	x	150	x	10	7.830
150	x	150	x	12	9.331
160	x	35	x	5	2.565
160	x	40	x	3	1.596
160	x	40	x	4	2.117
160	x	50	x	3	1.677
160	x	60	x	8	4.579
160	x	80	x	12	7.387
160	x	160	x	15	12.353
180	x	40	x	3	1.758

Height		Width		Thickness	Weight kg/m
180	x	40	x	4	2.333
180	x	50	x	3	1.839
180	x	50	x	10	5.940
180	x	70	x	10	6.480
180	x	80	x	6	4.115
180	x	80	x	10	6.750
180	x	100	x	8	5.875
180	x	150	x	6	5.249
200	x	40	x	3	1.920
200	x	40	x	4	2.549
200	x	60	x	5	3.443
200	x	70	x	12	8.359
200	x	100	x	5	3.983
200	x	100	x	10	7.830
200	x	100	x	15	11.543
220	x	40	x	3	2.082
220	x	40	x	4	2.765
220	x	100	x	8	6.739
240	x	40	x	3	2.244
240	x	40	x	4	2.981

RECTANGULAR TUBES

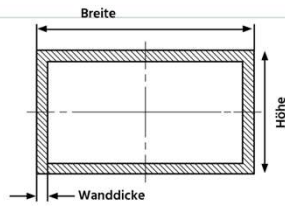


All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
10	x	10	x	1,5	0.138
15	x	10	x	2	0.227
15	x	15	x	1,2	0.179
15	x	15	x	1,5	0.219
15	x	15	x	2	0.281
15,75	x	15,75	x	0,9	0.144
18	x	15	x	2	0.313
18	x	18	x	1	0.184
20	x	10	x	1,2	0.179
20	x	10	x	1,5	0.219
20	x	10	x	2	0.281
20	x	12	x	1,3	0.206
20	x	15	x	1,5	0.259
20	x	15	x	2	0.335
20	x	20	x	1,1	0.225
20	x	20	x	1,3	0.263
20	x	20	x	1,5	0.300
20	x	20	x	2	0.389
20	x	20	x	2,5	0.473
20	x	20	x	3	0.551
24	x	24	x	2	0.475
25	x	10	x	1,2	0.211
25	x	10	x	2	0.335
25	x	12,5	x	1,2	0.227
25	x	15	x	1,5	0.300
25	x	15	x	2	0.389
25	x	20	x	1,5	0.340
25	x	20	x	2	0.443
25	x	25	x	1,3	0.333
25	x	25	x	1,5	0.381
25	x	25	x	2	0.497
25	x	25	x	2,5	0.608
25	x	25	x	3	0.713

Width		Height		Wall thickness	Weight kg/m
25	x	25	x	4	0.907
26,8	x	20	x	1,2	0.288
27	x	27	x	1,5	0.413
27,5	x	27,5	x	1,1	0.314
27,5	x	27,5	x	1,2	0.341
28	x	28	x	2	0.562
30	x	10	x	1,5	0.300
30	x	10	x	2	0.389
30	x	14	x	2	0.432
30	x	15	x	1,5	0.340
30	x	15	x	2	0.443
30	x	15	x	3	0.632
30	x	20	x	1,3	0.333
30	x	20	x	1,4	0.357
30	x	20	x	1,5	0.381
30	x	20	x	2	0.497
30	x	20	x	3	0.713
30	x	25	x	2	0.551
30	x	25	x	2,5	0.675
30	x	25	x	3	0.794
30	x	30	x	1,5	0.462
30	x	30	x	1,65	0.505
30	x	30	x	1,8	0.548
30	x	30	x	2	0.605
30	x	30	x	2,5	0.743
30	x	30	x	3	0.875
30	x	30	x	4	1.123
34	x	20	x	2	0.540
34	x	20	x	3	0.778
34	x	34	x	2	0.691
34	x	34	x	3	1.004
35	x	15	x	2	0.497

RECTANGULAR TUBES

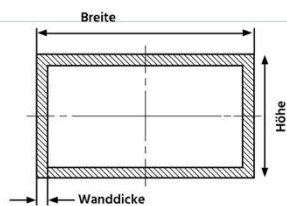


All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
35	x	20	x	1,4	0.395
35	x	20	x	1,5	0.421
35	x	20	x	2	0.551
35	x	20	x	3	0.794
35	x	25	x	1,5	0.462
35	x	25	x	1,8	0.548
35	x	25	x	2	0.605
35	x	30	x	3	0.956
35	x	35	x	1,2	0.438
35	x	35	x	1,5	0.543
35	x	35	x	2	0.713
35	x	35	x	2,5	0.878
35	x	35	x	3	1.037
35	x	35	x	4	1.339
38	x	38	x	2	0.778
38	x	38	x	3	1.134
38	x	38	x	4	1.469
40	x	10	x	2	0.497
40	x	15	x	1,5	0.421
40	x	15	x	2	0.551
40	x	18	x	1	0.302
40	x	20	x	1	0.313
40	x	20	x	1,2	0.373
40	x	20	x	1,5	0.462
40	x	20	x	2	0.605
40	x	20	x	2,5	0.743
40	x	20	x	3	0.875
40	x	20	x	4	1.123
40	x	25	x	1,5	0.502
40	x	25	x	2	0.659
40	x	25	x	2,5	0.810
40	x	25	x	3	0.956

Width		Height		Wall thickness	Weight kg/m
40	x	30	x	1,2	0.438
40	x	30	x	1,5	0.543
40	x	30	x	2	0.713
40	x	30	x	2,5	0.878
40	x	30	x	3	1.037
40	x	30	x	4	1.339
40	x	35	x	2,5	0.945
40	x	40	x	1,2	0.503
40	x	40	x	1,5	0.624
40	x	40	x	2	0.821
40	x	40	x	2,5	1.013
40	x	40	x	3	1.199
40	x	40	x	4	1.555
40	x	40	x	5	1.890
44,5	x	44,5	x	1,9	0.874
45	x	20	x	2	0.659
45	x	25	x	2	0.713
45	x	25	x	3	1.037
45	x	34	x	3	1.183
45	x	45	x	1,2	0.568
45	x	45	x	2	0.929
45	x	45	x	3	1.361
45	x	45	x	4	1.771
48	x	38	x	2	0.886
50	x	10	x	2	0.605
50	x	15	x	2	0.659
50	x	20	x	1,2	0.438
50	x	20	x	1,5	0.543
50	x	20	x	2	0.713
50	x	20	x	3	1.037
50	x	20	x	4	1.339
50	x	25	x	1,2	0.470

RECTANGULAR TUBES

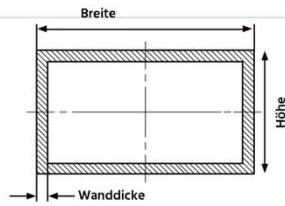


All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
50	x	25	x	1,5	0.583
50	x	25	x	2	0.767
50	x	25	x	2,5	0.945
50	x	25	x	3	1.118
50	x	30	x	1,4	0.584
50	x	30	x	1,5	0.624
50	x	30	x	1,8	0.743
50	x	30	x	2	0.821
50	x	30	x	2,5	1.013
50	x	30	x	3	1.199
50	x	30	x	4	1.555
50	x	34	x	3	1.264
50	x	35	x	2	0.875
50	x	40	x	1,5	0.705
50	x	40	x	2	0.929
50	x	40	x	2,5	1.148
50	x	40	x	3	1.361
50	x	40	x	4	1.771
50	x	45	x	2	0.983
50	x	45	x	2,5	1.215
50	x	50	x	1,5	0.786
50	x	50	x	2	1.037
50	x	50	x	2,5	1.283
50	x	50	x	3	1.523
50	x	50	x	3,5	1.758
50	x	50	x	4	1.987
50	x	50	x	5	2.430
50	x	50	x	6	2.851
55	x	25	x	2	0.821
55	x	35	x	2	0.929
55	x	50	x	3	1.604
55	x	55	x	2	1.145

Width		Height		Wall thickness	Weight kg/m
56	x	31	x	2,5	1.107
60	x	10	x	1,5	0.543
60	x	10	x	2	0.713
60	x	15	x	2	0.767
60	x	18	x	1,5	0.608
60	x	20	x	1,5	0.624
60	x	20	x	2	0.821
60	x	20	x	3	1.199
60	x	20	x	4	1.555
60	x	25	x	1,5	0.664
60	x	25	x	2	0.875
60	x	25	x	3	1.280
60	x	26,8	x	1,5	0.679
60	x	30	x	1,2	0.568
60	x	30	x	1,5	0.705
60	x	30	x	2	0.929
60	x	30	x	2,5	1.148
60	x	30	x	3	1.361
60	x	30	x	4	1.771
60	x	30	x	5	2.160
60	x	34	x	3	1.426
60	x	36	x	2	0.994
60	x	40	x	2	1.037
60	x	40	x	2,5	1.283
60	x	40	x	3	1.523
60	x	40	x	4	1.987
60	x	40	x	5	2.430
60	x	50	x	1,5	0.867
60	x	50	x	2	1.145
60	x	50	x	3	1.685
60	x	50	x	4	2.203
60	x	50	x	5	2.700

RECTANGULAR TUBES

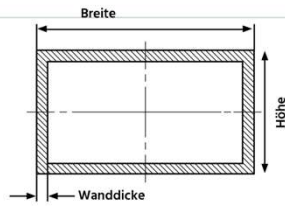


All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
60	x	60	x	1,5	0.948
60	x	60	x	2	1.253
60	x	60	x	2,5	1.553
60	x	60	x	3	1.847
60	x	60	x	4	2.419
60	x	60	x	5	2.970
60	x	60	x	6	3.499
65	x	20	x	2	0.875
65	x	65	x	2,5	1.688
70	x	20	x	1,5	0.705
70	x	20	x	2	0.929
70	x	25	x	2,5	1.215
70	x	25	x	3	1.442
70	x	30	x	1,5	0.786
70	x	30	x	2	1.037
70	x	30	x	3	1.523
70	x	35	x	1,5	0.826
70	x	40	x	2	1.145
70	x	40	x	3	1.685
70	x	40	x	4	2.203
70	x	50	x	2	1.253
70	x	50	x	3	1.847
70	x	50	x	4	2.419
70	x	70	x	2	1.469
70	x	70	x	3	2.171
70	x	70	x	4	2.851
70	x	70	x	5	3.510
75	x	25	x	2	1.037
75	x	35	x	2,5	1.417
75	x	45	x	2	1.253
75	x	50	x	3	1.928
75	x	55	x	2	1.361

Width		Height		Wall thickness	Weight kg/m
75	x	75	x	2,5	1.958
75	x	75	x	3	2.333
76	x	76	x	2	1.598
78	x	57	x	1,5	1.069
80	x	10	x	2	0.929
80	x	15	x	1,5	0.745
80	x	18	x	1,2	0.619
80	x	18	x	1,5	0.770
80	x	18	x	2	1.015
80	x	20	x	1,2	0.632
80	x	20	x	1,5	0.786
80	x	20	x	2	1.037
80	x	20	x	2,5	1.283
80	x	20	x	3	1.523
80	x	20	x	4	1.987
80	x	25	x	2	1.091
80	x	25	x	2,5	1.350
80	x	30	x	2	1.145
80	x	30	x	3	1.685
80	x	30	x	4	2.203
80	x	35	x	1,5	0.907
80	x	40	x	1,5	0.948
80	x	40	x	2	1.253
80	x	40	x	2,5	1.553
80	x	40	x	3	1.847
80	x	40	x	4	2.419
80	x	40	x	6	3.499
80	x	50	x	2	1.361
80	x	50	x	3	2.009
80	x	50	x	4	2.635
80	x	50	x	5	3.240
80	x	60	x	2	1.469

RECTANGULAR TUBES

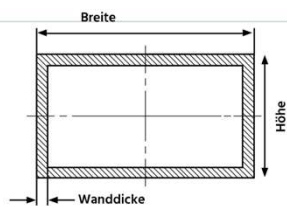


All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
80	x	60	x	2,5	1.823
80	x	60	x	3	2.171
80	x	60	x	4	2.851
80	x	60	x	5	3.510
80	x	70	x	5	3.780
80	x	80	x	2	1.685
80	x	80	x	2,5	2.093
80	x	80	x	3	2.495
80	x	80	x	4	3.283
80	x	80	x	5	4.050
80	x	80	x	6	4.795
80	x	80	x	8	6.221
84	x	84	x	2	1.771
85	x	20	x	1,3	0.719
85	x	30	x	2	1.199
85	x	85	x	2	1.793
85	x	85	x	4	3.499
89	x	44,5	x	1,9	1.331
89	x	89	x	3,5	3.232
90	x	30	x	2,5	1.552
90	x	40	x	3	2.009
90	x	50	x	3	2.171
90	x	70	x	3,5	2.892
90	x	90	x	2	1.901
90	x	90	x	2,5	2.363
90	x	90	x	4	3.715
90	x	90	x	5	4.590
100	x	18	x	1,5	0.931
100	x	18	x	1,8	1.112
100	x	18	x	2	1.231
100	x	18	x	4	2.376
100	x	20	x	1,2	0.762

Width		Height		Wall thickness	Weight kg/m
100	x	20	x	1,5	0.948
100	x	20	x	2	1.253
100	x	20	x	3	1.847
100	x	20	x	4	2.419
100	x	25	x	1,3	0.859
100	x	25	x	1,5	0.988
100	x	25	x	2	1.307
100	x	26,8	x	1,5	1.003
100	x	30	x	1,5	1.029
100	x	30	x	2	1.361
100	x	30	x	2,5	1.688
100	x	30	x	3	2.009
100	x	35	x	2	1.415
100	x	40	x	1,5	1.110
100	x	40	x	2	1.469
100	x	40	x	2,5	1.823
100	x	40	x	3	2.171
100	x	40	x	4	2.851
100	x	45	x	2	1.523
100	x	50	x	2	1.577
100	x	50	x	2,5	1.958
100	x	50	x	3	2.333
100	x	50	x	4	3.067
100	x	50	x	5	3.780
100	x	60	x	2	1.685
100	x	60	x	2,5	2.093
100	x	60	x	3	2.495
100	x	60	x	4	3.283
100	x	60	x	5	4.050
100	x	75	x	2,5	2.295
100	x	80	x	2	1.901
100	x	80	x	3	2.819

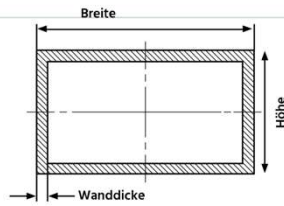
RECTANGULAR TUBES



All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m
100	x	80	x	4	3.715
100	x	80	x	5	4.590
100	x	100	x	2	2.117
100	x	100	x	2,5	2.633
100	x	100	x	3	3.143
100	x	100	x	4	4.147
100	x	100	x	5	5.130
100	x	100	x	6	6.091
100	x	100	x	8	7.949
100	x	100	x	10	9.720
101,6	x	44,5	x	1,9	1.460
101,6	x	101,6	x	2,2	2.362
110	x	30	x	4	2.851
110	x	50	x	2	1.685
110	x	50	x	2,5	2.093
110	x	60	x	2	1.793
110	x	60	x	3	2.657
110	x	60	x	4	3.499
110	x	110	x	2	2.333
110	x	110	x	4	4.579
114	x	44,5	x	2,2	1.831
120	x	18	x	1,3	0.951
120	x	18	x	1,5	1.094
120	x	18	x	2	1.447
120	x	20	x	1,5	1.110
120	x	20	x	2	1.469
120	x	20	x	4	2.851
120	x	30	x	2	1.577
120	x	30	x	3	2.333
120	x	40	x	2	1.685
120	x	40	x	2,5	2.093
120	x	40	x	3	2.495

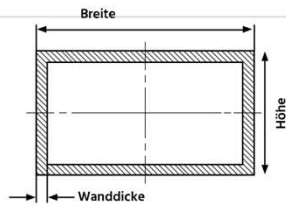
RECTANGULAR TUBES



All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m	Width		Height		Wall thickness	Weight kg/m
120	x	40	x	4	3.283	130	x	60	x	3	2.981
120	x	50	x	2	1.793	130	x	130	x	2	2.765
120	x	50	x	3	2.657	135	x	20	x	3	2.414
120	x	50	x	4	3.499	135	x	135	x	3	4.277
120	x	50	x	5	4.320	140	x	18	x	2	1.663
120	x	60	x	1,5	1.434	140	x	20	x	2	1.685
120	x	60	x	2	1.901	140	x	20	x	3	2.495
120	x	60	x	3	2.819	140	x	25	x	2	1.739
120	x	60	x	4	3.715	140	x	40	x	2	1.901
120	x	60	x	5	4.590	140	x	40	x	4	3.715
120	x	60	x	6	5.443	140	x	50	x	4	3.931
120	x	60	x	8	7.085	140	x	60	x	2,5	2.633
120	x	80	x	3	3.143	140	x	60	x	4	4.147
120	x	80	x	4	4.147	140	x	60	x	6	6.091
120	x	80	x	6	6.091	140	x	60	x	8	7.949
120	x	90	x	2	2.225	140	x	70	x	5	5.400
120	x	100	x	3	3.467	140	x	80	x	3	3.467
120	x	100	x	8	8.813	140	x	80	x	4	4.579
120	x	120	x	2	2.549	140	x	80	x	6	6.739
120	x	120	x	2,5	3.173	140	x	100	x	2,5	3.173
120	x	120	x	4	5.011	140	x	100	x	5	6.210
120	x	120	x	5	6.210	145	x	145	x	3	4.601
120	x	120	x	7	8.543	150	x	18	x	2	1.771
120	x	120	x	8	9.677	150	x	20	x	1,8	1.617
120	x	120	x	10	11.880	150	x	20	x	2	1.793
128	x	75	x	4	4.212	150	x	25	x	3	2.738
130	x	20	x	1,6	1.268	150	x	26,8	x	1,8	1.684
130	x	20	x	2	1.577	150	x	30	x	2	1.901
130	x	26,8	x	1,6	1.327	150	x	30	x	2,5	2.363
130	x	30	x	3	2.495	150	x	30	x	2,8	2.637
130	x	50	x	4	3.715	150	x	30	x	3	2.819
130	x	50	x	5	4.590	150	x	40	x	2,5	2.498

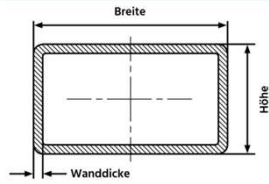
RECTANGULAR TUBES



All dimensions in millimetres

Width		Height		Wall thickness	Weight kg/m	Width		Height		Wall thickness	Weight kg/m
150	x	40	x	3	2.981	160	x	120	x	5	7.290
150	x	40	x	4	3.931	170	x	25	x	1,8	1.860
150	x	50	x	1,6	1.700	170	x	70	x	4	5.011
150	x	50	x	2	2.117	180	x	18	x	2	2.095
150	x	50	x	3	3.143	180	x	40	x	2,5	2.903
150	x	50	x	4	4.147	180	x	40	x	4	4.579
150	x	50	x	5	5.130	180	x	50	x	3	3.629
150	x	50	x	6	6.091	180	x	50	x	4	4.795
150	x	60	x	3	3.305	180	x	60	x	3	3.791
150	x	60	x	4	4.363	180	x	60	x	4	5.011
150	x	60	x	5	5.400	180	x	80	x	4	5.443
150	x	60	x	7	7.409	180	x	80	x	6	8.035
150	x	70	x	2	2.333	180	x	100	x	4	5.875
150	x	80	x	4	4.795	180	x	180	x	3	4.115
150	x	90	x	6	7.387	190	x	56	x	5	6.372
150	x	100	x	3	3.953	200	x	18	x	2	2.311
150	x	100	x	8	10.109	200	x	20	x	2	2.333
150	x	120	x	5	7.020	200	x	25	x	2	2.387
150	x	150	x	3	4.763	200	x	26,8	x	2	2.406
150	x	150	x	4	6.307	200	x	30	x	2,8	3.393
150	x	150	x	5	7.830	200	x	35	x	2	2.495
150	x	150	x	8	12.269	200	x	40	x	2	2.549
160	x	40	x	2	2.117	200	x	40	x	3	3.791
160	x	40	x	4	4.147	200	x	50	x	2,5	3.308
160	x	60	x	3	3.467	200	x	50	x	3	3.953
160	x	60	x	4	4.579	200	x	50	x	4	5.227
160	x	60	x	5	5.670	200	x	60	x	3	4.115
160	x	77	x	8	9.547	200	x	60	x	4	5.443
160	x	80	x	4	5.011	200	x	65	x	3	4.196
160	x	80	x	5	6.210	200	x	80	x	4	5.875
160	x	80	x	8	9.677	200	x	100	x	4	6.307
160	x	90	x	5	6.480	200	x	100	x	5	7.830

RECTANGULAR TUBES WITH RADIUS

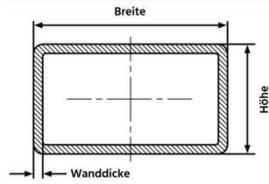


All dimensions in millimetres

Width		Height		Wall thickness	R	r	Weight /
18	x	16	x	3	3 (R1,5)		0.408
20	x	10	x	1,5	1,5 (R2)	0,5	0.210
20	x	15	x	1,2	1,2 (R2)	0,8	0.204
25	x	15	x	1,5	1,5 (R1,5)		0.294
25	x	15	x	1,8	1,8 (R2)		0.345
20	x	20	x	1,5	1,5 (R2)	0,5	0.291
20	x	20	x	2	2 (R2)		0.380
20	x	20	x	3	3 (R2)		0.542
20	x	30	x	3	3 (R3)	1	0.994
22	x	11	x	1,4	1,4 (R1)		0.227
25	x	25	x	1,2	1,2 (R1,5)	0,5	0.304
25	x	25	x	1,6	1,6 (R2)	0,4	0.396
25	x	25	x	1,6	1,6 (R3)	2	0.405
25	x	25	x	1,7	1,7 (R3,5)	2,75	0.417
25	x	25	x	2	2 (R2)		0.488
25	x	25	x	2	2 (R2,5)		0.483
25	x	25	x	2,25	2,25 (R1)		0.551
30	x	10	x	2	2 (R2)		0.389
30	x	15	x	1,4	1,4 (R1,5)		0.313
30	x	20	x	2	2 (R2)		0.488

Width		Height		Wall thickness	R	r	Weight /
30	x	30	x	1,5	1,5 (R2)		0.453
30	x	30	x	2	2 (R2)		0.596
30	x	30	x	3	3 (R3)		0.854
32	x	32	x	2	2 (R4)	2	0.620
32	x	40	x	1,5	1,5 (R1)		0.557
35	x	25	x	2	2 (R2)		0.596
35	x	35	x	2	2 (R2)		0.704
35	x	35	x	2,5	2,5 (R4-R1)		0.846
38	x	19	x	1,5	1,5 (1)		0.435
40	x	20	x	1,5	1,5 (R2)	0,5	0.453
40	x	20	x	2	2 (R2)		0.596
40	x	20	x	3	(R3)		0.854
40	x	25	x	1,5	1,5 (R3)	1	0.502
40	x	25	x	2	2 (R3)	1	0.640
40	x	25	x	4	4 (R3)		1.211
40	x	30	x	4	4 (R2)		1.340
40	x	30	x	4	4 (R4)		1.302
40	x	40	x	2	2 (R2)		0.812

RECTANGULAR TUBES WITH RADIUS

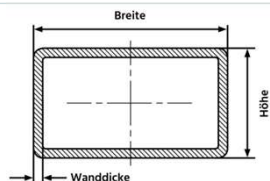


All dimensions in millimetres

Width		Height		Wall thickness	R	r	Weight /
40	x	40	x	2	2 (R2,5)		0.807
40	x	40	x	2	2 (R3)	1	0.810
40	x	40	x	2	2 (R4)	2	0.820
40	x	40	x	2,5	2,5 (R2)		1.003
40	x	40	x	2,5	2,5 (R2,5)	1,7	1.000
40	x	40	x	3	3 (R3)		1.178
40	x	40	x	3,5	3,5 (R2)		1.377
40	x	40	x	4	4 (R2)		1.546
40	x	40	x	4	4 (R4)		1.518
40,2	x	32,6	x	1,3	1,3 (R3)	1,7	0.478
42	x	42	x	3	3 (R4)		1.227
45	x	25	x	2	2 (R2)		0.703
45	x	45	x	2,5	2,5 (R3,5)	1	1.121
50	x	20	x	2	2 (R3-R1)	1	0.694
50	x	25	x	2	2 (R3)		0.745
50	x	25	x	3	3 (R3)		1.096
50	x	30	x	2	2 (R2)		0.812
50	x	30	x	3	3 (R3)		1.200
50	x	40	x	2	2 (R2)		0.920

Width		Height		Wall thickness	R	r	Weight /
50	x	40	x	4	4 (R2)		1.762
50	x	50	x	2	2 (R1)		1.036
50	x	50	x	2	2 (R2)		1.028
50	x	50	x	2	2 (R3-R1)		1.018
50	x	50	x	2,5	2,5 (R4-R1,5)	1,5	1.251
50	x	50	x	3	3 (R3)		1.502
50	x	50	x	4	4 (R3)		1.967
50	x	50	x	4	4 (R4)		1.950
50	x	100	x	3	3 (R2)		2.324
52	x	24	x	1,5	1,5 (R2,5)	1	0.580
56	x	31	x	2,5	2,5 (R2)		
59,5	x	49,5	x	3,75	3,75 (R1)		2.052
60	x	24,5	x	1,5	1,5 (R2,75)	1,25	0.646
60	x	30	x	5	5 (R2)		2.151
60	x	40	x	2	2 (R2)		1.028
60	x	40	x	2,5	2,5 (R2)		1.273
60	x	40	x	2,9	2,9 (R3)		1.455
60	x	40	x	4	4 (R3)		1.967
60	x	60	x	4	4 (R4-R2)		1.959

RECTANGULAR TUBES WITH RADIUS

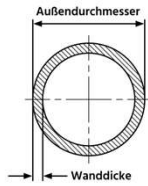


All dimensions in millimetres

Width		Height		Wall thickness	R	r	Weight /
60	x	60	x	2	2 (R2)		1.245
60	x	60	x	2	2 (R5-R3)	3	1.216
60	x	60	x	2,5	2,5 (R3)		1.553
60	x	60	x	3	3 (R3)		1.826
60	x	60	x	4	4 (R3)		2.398
60	x	50	x	3	3 (R3)		1.664
60	x	50	x	5	5 (R7)	2	2.596
60	x	40	x	3	3 (R3)	1,5	1.507
64	x	32	x	1,6	1,6 (R4,8)	3,2	0.772
70	x	70	x	2	2 (R2)		1.461
70	x	70	x	2	2 (R4)	1,5	1.437
70	x	70	x	2,5	2,5 (R4)	1,5	1.790
70	x	70	x	4	4 (R3)		2.830
75	x	25	x	2,8	2,8 (R3)	0,2	1.407
75	x	50	x	3	3 (R4-R1)		1.909
75	x	50	x	5	5 (R2)		3.105
80	x	40	x	2	2 (R2)		1.244
80	x	40	x	2	2 (R3)		1.232
80	x	40	x	2	2 (R5)		1.216
100	x	100	x	3	3 (R4-R0,5)	0,5	3.108
100	x	100	x	3	3 (R8)	5	3.052
100	x	100	x	4	4 (R5)	1	4.092
100	x	100	x	4	4 (R8)	3	4.020
100	x	100	x	4	4 (R10)	5	3.973
100	x	100	x	5	5 (R10)	5	4.956
120	x	40	x	4	4 (R2)		3.274
120	x	120	x	4	4 (R10)	6	4.863

Width		Height		Wall thickness	R	r	Weight /
80	x	40	x	3	3 (R3)		1.826
80	x	40	x	3	3 (R4-R1)		1.812
80	x	40	x	3	R6		1.784
80	x	40	x	4	4 (R5)	1	2.364
80	x	50	x	2	2 (R5-R3)	3	1.324
80	x	50	x	3	3 (R5)		1.951
80	x	50	x	4	R4		2.598
80	x	80	x	2	2 (R2)		1.677
80	x	80	x	2	2 (R5)		1.648
80	x	80	x	3	3 (R6)	3	2.432
80	x	80	x	4	4 (R6)	2	3.240
90	x	50	x	5	5 (R6)		3.427
95	x	95	x	3	4 (R10-R6)		3.783
95	x	95	x	4	4 (R10-R7)		2.863
100	x	20	x	1,7	1,7 (R1,5)		1.065
100	x	20	x	1,8	1,8 (R3-R1,2)	1,2	1.114
100	x	20	x	2	R2		1.244
100	x	25	x	1,8	1,8 (R2)	0,2	1.171
140	x	40	x	4	R4		
140	x	80	x	4	4 (R6)	2	4.505
150	x	50	x	4	4 (R3)		4.126
150	x	150	x	5	5 (R5)		7.772
160	x	50	x	4	4 (R5)		4.365
160	x	60	x	4	4 (R3)		4.558
160	x	80	x	4	4 (R4,5xR0,5)		4.965
170	x	70	x	4	4 (R3)		4.991
100	x	100	x	2	2 (R2)		2.109

CIRCULAR TUBES

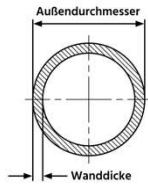


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
8	x	1	0.059
8	x	1,5	0.083
10	x	1	0.076
10	x	1,5	0.108
10	x	2	0.136
10	x	2,5	0.159
10	x	3	0.178
11	x	1	0.085
12	x	1	0.093
12	x	1,5	0.134
12	x	2	0.170
12	x	3	0.229
12,6	x	1,625	0.151
13	x	1	0.102
13	x	1,5	0.146
13	x	2	0.187
13	x	3	0.254
14	x	1	0.110
14	x	1,5	0.159
14	x	2	0.204
14	x	2,5	0.244
14,7	x	1,5	0.168
15	x	1	0.119
15	x	1,5	0.172
15	x	2	0.221
15	x	3	0.305
15	x	4	0.373
15,7	x	1,3	0.159
16	x	1	0.127
16	x	1,5	0.184
16	x	1,8	0.217
16	x	2	0.238

Outer diameter		Wall thickness	Weight kg/m
16	x	2.5	0.286
16	x	3	0.331
17	x	1,5	0.197
17	x	3,5	0.401
18	x	1	0.144
18	x	1,5	0.210
18	x	2	0.271
18	x	3	0.382
18	x	4	0.475
18,6	x	1,5	0.218
19	x	1	0.153
19	x	1,5	0.223
19	x	2	0.288
20	x	1	0.161
20	x	1,2	0.191
20	x	1,5	0.235
20	x	2	0.305
20	x	2,5	0.371
20	x	3	0.433
20	x	4	0.543
20	x	5	0.636
20,5	x	0,9	0.150
21	x	1,5	0.248
21	x	3	0.458
21,7	x	1,5	0.257
22	x	1	0.178
22	x	1,5	0.261
22	x	2	0.339
22	x	2,5	0.414
22	x	3	0.483
22	x	4	0.611
22	x	5	0.721

CIRCULAR TUBES

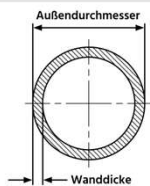


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
22,5	x	1,5	0.267
23	x	1	0.187
23,5	x	0,8	0.154
23,7	x	1,5	0.282
24	x	1	0.195
24	x	1,5	0.286
25	x	1	0.204
25	x	1,2	0.242
25	x	1,3	0.261
25	x	1,5	0.299
25	x	2	0.390
25	x	2,5	0.477
25	x	3	0.560
25	x	4	0.713
25	x	5	0.848
25	x	6	0.967
25	x	8,1	1.161
26	x	1,5	0.312
26	x	2	0.407
26,4	x	1,5	0.317
26,9	x	2,5	0.517
27	x	1,5	0.324
27	x	2	0.424
27	x	4	0.780
28	x	1	0.229
28	x	1,5	0.337
28	x	2	0.441
28	x	3	0.636
28	x	4	0.814
28	x	5	0.975
28,9	x	1,5	0.349
30	x	1	0.246

Outer diameter		Wall thickness	Weight kg/m
30	x	1,25	0.305
30	x	1,5	0.363
30	x	2	0.475
30	x	2,5	0.583
30	x	3	0.687
30	x	4	0.882
30	x	5	1.060
30	x	6	1.221
30	x	7,5	1.431
30	x	10	1.696
32	x	1,5	0.388
32	x	2	0.509
32	x	3	0.738
33	x	2	0.526
33	x	3	0.763
33,7	x	2	0.538
33,7	x	3	0.781
34	x	2	0.543
34	x	4	1.018
35	x	1,5	0.426
35	x	2	0.560
35	x	2,5	0.689
35	x	3	0.814
35	x	4	1.052
35	x	4,5	1.164
35	x	5	1.272
35	x	12	2.431
37,9	x	1,5	0.463
38	x	1,5	0.464
38	x	2	0.611
38	x	3	0.891
38	x	4	1.154

CIRCULAR TUBES

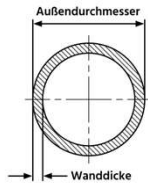


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
38	x	5	1.400
40	x	1,5	0.490
40	x	2	0.645
40	x	2,5	0.795
40	x	3	0.942
40	x	4	1.221
40	x	5	1.484
40	x	6	1.730
40	x	10	2.545
42	x	1,5	0.515
42	x	2	0.679
42	x	2,5	0.838
42	x	3	0.992
42	x	3,5	1.143
42	x	4	1.289
42	x	5	1.569
42,3	x	2,8	0.938
43	x	8	2.375
45	x	1,5	0.553
45	x	2	0.729
45	x	2,5	0.901
45	x	3	1.069
45	x	4	1.391
45	x	5	1.696
45	x	7,5	2.386
46	x	2	0.746
46	x	3	1.094
46	x	5	1.739
46,5	x	2	0.755
48	x	1,5	0.592
48	x	2	0.780
48	x	2,5	0.965

Outer diameter		Wall thickness	Weight kg/m
48	x	3	1.145
48	x	3,45	1.304
48	x	4	1.493
48	x	5	1.824
48,2	x	3,35	1.274
48,3	x	2,5	0.971
48,3	x	2,6	1.008
48,3	x	3	1.153
48,3	x	3,5	1.330
48,3	x	3,8	1.434
48,3	x	4	1.503
48,3	x	4,05	1.520
50	x	1	0.416
50	x	1,5	0.617
50	x	2	0.814
50	x	2,5	1.007
50	x	3	1.196
50	x	3.5	1.380
50	x	4	1.561
50	x	5	1.909
50	x	6	2.239
50	x	8	2.850
50	x	10	3.393
50	x	12	3.868
50	x	15	4.453
50,8	x	1,5	0.627
51	x	2	0.831
51	x	3,2	1.297
52	x	1,5	0.643
52	x	6	2.341
53	x	1,5	0.655
53	x	3	1.272

CIRCULAR TUBES

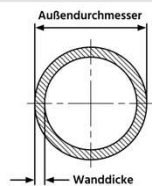


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
53	x	5	2.036
54	x	2	0.882
55	x	2,5	1.113
55	x	5	2.121
55X2	x	55	0.899
56	x	1,2	0.558
56	x	3	1.349
58	x	3	1.400
58	x	4	1.832
60	x	1,5	0.744
60	x	2	0.984
60	x	2,5	1.219
60	x	3	1.450
60	x	4	1.900
60	x	5	2.333
60	x	6	2.748
60	x	7.5	3.340
60	x	8	3.529
60	x	10	4.241
60	x	15	5.726
60	x	20	6.786
63	x	1,5	0.782
63	x	3	1.527
64	x	2	1.052
65	x	2	1.069
65	x	2,5	1.325
65	x	4	2.070
65	x	5	2.545
65	x	10	4.665
65	x	20	7.634
66	x	3	1.603
70	x	1,25	0.729

Outer diameter		Wall thickness	Weight kg/m
70	x	2	1.154
70	x	3	1.705
70	x	4	2.239
70	x	5	2.757
70	x	10	5.089
70	x	12	5.904
70	x	15	6.998
70	x	20	8.482
72	x	3,5	2.034
72	x	4	2.307
72	x	6	3.359
75	x	1	0.628
75	x	1,5	0.935
75	x	2	1.238
75	x	2,5	1.537
75	x	3	1.832
75	x	5	2.969
76	x	1,25	0.793
76	x	2	1.255
76	x	2,5	1.559
76	x	3	1.858
76	x	4	2.443
76X1.6	x	76	1.010
76,2	x	2,6	1.623
76.2X0.9	x	76,2	0.575
80	x	1,5	0.999
80	x	1,65	1.097
80	x	2	1.323
80	x	2,5	1.643
80	x	3	1.959
80	x	4	2.579
80	x	5	3.181

CIRCULAR TUBES

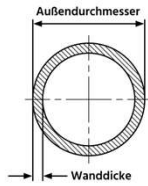


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
80	x	6	3.766
80	x	8	4.886
80	x	10	5.938
80	x	15	8.270
80	x	20	10.179
80,4	x	4,5	2.897
84	x	2	1.391
85	x	3	2.087
85	x	5	3.393
86	x	3	2.112
88,9	x	0,9	0.672
89	x	1,25	0.930
89	x	2	1.476
89	x	3	2.188
90	x	1,5	1.126
90	x	2	1.493
90	x	2,5	1.856
90	x	3	2.214
90	x	4	2.918
90	x	5	3.605
90	x	10	6.786
90	x	15	9.543
90	x	25	13.784
92,4	x	1,5	1.157
95	x	1,5	1.190
95	x	2,5	1.962
98,7	x	4	3.213
100	x	1,2	1.006
100	x	2	1.663
100	x	2,5	2.068
100	x	3	2.468
100	x	4	3.257

Outer diameter		Wall thickness	Weight kg/m
100	x	4,5	3.645
100	x	5	4.029
100	x	6	4.784
100	x	7	5.522
100	x	8	6.243
100	x	10	7.634
100	x	15	10.815
100	x	20	13.572
101,6	x	1	0.853
101,6	x	1,1	0.938
101,6	x	1,25	1.064
101,6	x	1,5	1.274
105	x	2	1.747
105	x	2,5	2.174
105	x	15	11.451
106	x	2,5	2.195
106	x	3	2.621
108	x	3	2.672
108	x	4	3.529
108	x	5	4.368
110	x	1,5	1.380
110	x	2	1.832
110	x	2,5	2.280
110	x	3	2.723
110	x	5	4.453
110	x	6	5.293
110	x	8	6.922
110	x	10	8.482
110	x	15	12.087
111	x	7	6.175
114	x	2	1.900
114,3	x	3	2.832

CIRCULAR TUBES

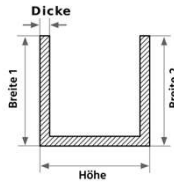


All dimensions in millimetres

Outer diameter		Wall thickness	Weight kg/m
114,3	x	3,6	3.380
114,3	x	6	5.512
115	x	1.5	1.444
115	x	5	4.665
115	x	10	8.907
115	x	15	12.724
116	x	3	2.876
120	x	2	2.002
120	x	2,5	2.492
120	x	3	2.977
120	x	4	3.936
120	x	5	4.877
120	x	7	6.710
120	x	8,8	8.300
120	x	10	9.331
120	x	15	13.360
124,9	x	9,8	9.568
125	x	2,5	2.598
125	x	3	3.105
125	x	4	4.105
125	x	5	5.089
125	x	7,5	7.475
126,9	x	10,3	10.187
130	x	2	2.171
130	x	2,5	2.704
130	x	3	3.232
130	x	5	5.301
130	x	6	6.311
130	x	10	10.179
130	x	15	14.632
133	x	3	3.308
133	x	4	4.377

Outer diameter		Wall thickness	Weight kg/m
133	x	10	10.433
134,9	x	9,8	10.399
135	x	5	5.514
135,9	x	11,3	11.943
138	x	3	3.435
139	x	10	10.942
140	x	2	2.341
140	x	3	3.486
140	x	4	4.614
140	x	5	5.726
140	x	7	7.897
140	x	8	8.957
140	x	10	11.027
145	x	2	2.426
145	x	4	4.784
145	x	10	11.451
150	x	2	2.511
150	x	3	3.741
150	x	5	6.150
150	x	8	9.636
150	x	10	11.875
154,9	x	11,8	14.323
156	x	3	3.893
160	x	3	3.995
160	x	5	6.574
167	x	8	10.790
168	x	3	4.199
170	x	5	6.998
180	x	4	5.972
180	x	5	7.422
180	x	6	8.856
200	x	5	8.270

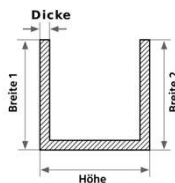
U PROFILES



All dimensions in millimetres

Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m	Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m
6,8	x	60	x	6,8	x	1	0.192	15	x	35	x	15	x	2	0.329
10	x	10	x	10	x	1,5	0.109	15	x	40	x	15	x	2	0.356
10	x	10	x	10	x	2	0.140	15	x	40	x	15	x	4	0.670
10	x	13	x	10	x	1,5	0.122	15	x	45	x	15	x	1,2	0.235
10	x	19,5	x	10	x	1,5	0.148	15	x	45	x	15	x	2	0.383
10	x	20	x	10	x	2	0.194	15	x	50	x	15	x	2	0.410
10	x	22	x	10	x	1,5	0.158	15	x	60	x	15	x	3	0.680
10	x	22	x	10	x	3	0.292	16	x	12	x	30	x	2	0.292
10	x	23	x	10	x	1,5	0.162	16	x	14	x	16	x	2	0.227
12	x	12	x	12	x	1,5	0.134	18	x	18	x	18	x	2	0.270
12	x	12	x	12	x	2	0.173	18	x	130	x	18	x	1,8	0.789
12	x	14	x	12	x	2	0.184	18	x	150	x	18	x	1,8	0.886
12	x	25	x	12	x	2	0.243	18	x	200	x	18	x	2,2	1.376
12	x	45,5	x	12	x	2,5	0.435	19	x	25	x	19	x	3	0.462
12	x	100	x	12	x	3	0.956	20	x	10	x	20	x	2	0.248
12,5	x	12,5	x	12,5	x	1,5	0.140	20	x	11	x	20	x	2	0.254
12,7	x	12,7	x	12,7	x	1,2	0.116	20	x	12	x	20	x	2	0.259
13	x	12	x	13	x	2	0.184	20	x	13	x	20	x	1,25	0.170
13	x	13	x	13	x	1,5	0.146	20	x	13	x	20	x	1,5	0.203
13	x	13	x	13	x	2	0.189	20	x	15	x	20	x	1,5	0.211
13	x	16	x	13	x	1,5	0.158	20	x	15	x	20	x	2	0.275
13	x	50	x	13	x	4	0.734	20	x	17	x	20	x	1,25	0.184
14	x	14	x	14	x	2	0.205	20	x	18	x	20	x	1,25	0.187
14,2	x	21	x	14,2	x	1,2	0.152	20	x	19	x	20	x	1,2	0.183
15	x	10	x	15	x	2	0.194	20	x	19	x	20	x	1,25	0.191
15	x	11	x	15	x	2	0.200	20	x	20	x	20	x	1,5	0.231
15	x	12	x	15	x	2	0.205	20	x	20	x	20	x	2	0.302
15	x	15	x	15	x	1,45	0.165	20	x	20	x	20	x	3	0.437
15	x	15	x	15	x	1,5	0.170	20	x	25	x	20	x	2	0.329
15	x	15	x	15	x	2	0.221	20	x	25	x	20	x	2,5	0.405
15	x	15	x	15	x	3	0.316	20	x	25	x	20	x	3	0.478
15	x	20	x	15	x	1,2	0.154	20	x	30	x	20	x	1,3	0.237
15	x	20	x	15	x	2	0.248	20	x	30	x	20	x	2	0.356
15	x	23,8	x	57	x	1,4	0.352	20	x	30	x	20	x	3	0.518
15	x	25	x	15	x	1,2	0.170	20	x	35	x	20	x	2	0.383
15	x	25	x	15	x	2	0.275	20	x	38	x	20	x	1,5	0.304
15	x	30	x	15	x	1,2	0.187	20	x	38	x	20	x	2	0.400
15	x	30	x	15	x	1,7	0.260	20	x	40	x	20	x	1,5	0.312
15	x	30	x	15	x	2	0.302	20	x	40	x	20	x	2	0.410
15	x	30	x	15	x	3	0.437	20	x	40	x	20	x	2,5	0.506

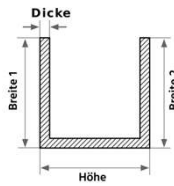
U PROFILES



All dimensions in millimetres

Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m	Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m
20	x	40	x	20	x	3	0.599	25	x	40	x	25	x	3	0.680
20	x	44	x	20	x	2	0.432	25	x	40	x	25	x	4	0.886
20	x	45	x	20	x	2	0.437	25	x	45	x	25	x	2	0.491
20	x	50	x	20	x	2	0.464	25	x	45	x	25	x	2,5	0.608
20	x	50	x	20	x	3	0.680	25	x	45	x	25	x	3	0.721
20	x	50	x	20	x	5	1.080	25	x	50	x	25	x	2	0.518
20	x	55	x	20	x	2	0.491	25	x	50	x	25	x	2,5	0.641
20	x	60	x	20	x	2	0.518	25	x	50	x	25	x	3	0.761
20	x	80	x	20	x	4	1.210	25	x	55	x	25	x	2	0.545
20	x	100	x	20	x	2	0.734	25	x	60	x	25	x	2,5	0.709
20	x	220	x	20	x	4	2.722	25	x	60	x	25	x	3	0.842
21	x	21	x	21	x	1,5	0.243	25	x	65	x	25	x	2,5	0.743
22	x	22	x	22	x	2	0.335	25	x	67	x	25	x	2	0.610
22	x	77	x	22	x	1,7	0.540	25	x	80	x	25	x	1,6	0.548
23	x	13	x	30	x	2	0.335	25	x	80	x	25	x	3	1.004
23	x	23	x	23	x	1,5	0.267	25	x	100	x	25	x	1,6	0.634
25	x	12	x	25	x	1,5	0.239	25	x	100	x	25	x	3	1.166
25	x	15	x	25	x	1,5	0.251	28	x	20	x	28	x	1,5	0.296
25	x	17	x	25	x	1,25	0.218	28	x	80	x	28	x	8	2.592
25	x	18	x	25	x	1,25	0.221	30	x	10	x	30	x	2	0.356
25	x	19	x	25	x	1,25	0.224	30	x	15	x	30	x	1,5	0.292
25	x	20	x	25	x	1,25	0.228	30	x	15	x	30	x	3	0.559
25	x	20	x	25	x	1,5	0.271	30	x	20	x	30	x	2	0.410
25	x	20	x	25	x	2	0.356	30	x	36	x	30	x	2	0.497
25	x	20	x	25	x	3	0.518	30	x	40	x	30	x	4	0.994
25	x	22	x	25	x	2	0.367	30	x	45	x	30	x	4	1.048
25	x	25	x	25	x	2	0.383	30	x	50	x	30	x	2	0.572
25	x	25	x	25	x	2,5	0.473	30	x	50	x	30	x	3	0.842
25	x	25	x	25	x	3	0.559	30	x	50	x	30	x	4	1.102
25	x	30	x	25	x	2	0.410	30	x	50	x	30	x	5	1.350
25	x	35	x	25	x	2	0.437	30	x	60	x	30	x	3	0.923
25	x	38	x	25	x	3,2	0.705	30	x	60	x	30	x	4	1.210
25	x	40	x	25	x	2	0.464	30	x	80	x	30	x	3	1.085

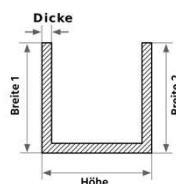
U PROFILES



All dimensions in millimetres

Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m	Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m
30	x	90	x	30	x	2	0.788	40	x	50	x	40	x	5	1.620
30	x	100	x	30	x	3	1.247	40	x	55	x	40	x	2	0.707
30	x	120	x	30	x	2	0.950	40	x	60	x	40	x	2,5	0.911
30	x	140	x	30	x	2	1.058	40	x	60	x	40	x	3	1.085
30	x	150	x	30	x	4	2.182	40	x	60	x	40	x	4	1.426
33	x	37	x	33	x	3	0.786	40	x	60	x	40	x	5	1.755
35	x	25	x	35	x	2	0.491	40	x	70	x	40	x	3	1.166
35	x	30	x	35	x	2	0.518	40	x	70	x	40	x	4	1.534
35	x	35	x	35	x	2	0.545	40	x	79	x	40	x	2	0.837
35	x	35	x	35	x	3	0.802	40	x	80	x	40	x	6	2.398
35	x	54	x	35	x	8&4	1.932	40	x	90	x	40	x	3	1.328
35	x	70	x	35	x	3	1.085	40	x	100	x	40	x	2	0.950
35	x	80	x	35	x	2	0.788	40	x	106	x	40	x	3	1.458
37	x	150	x	37	x	3	1.766	40	x	120	x	40	x	3	1.571
37,5	x	55	x	37,5	x	3,5	1.162	40	x	120	x	40	x	5	2.565
38	x	31	x	38	x	2,5	0.689	40	x	140	x	40	x	3	1.733
39	x	47	x	39	x	3,5	1.115	40	x	140	x	40	x	6	3.370
40	x	20	x	40	x	2	0.518	40	x	200	x	40	x	3	2.219
40	x	20	x	40	x	2,5	0.641	40	x	200	x	40	x	8(R3)	5.700
40	x	20	x	40	x	4	0.994	45	x	45	x	45	x	2	0.707
40	x	25	x	10	x	3	0.559	45	x	45	x	45	x	2,5	0.878
40	x	25	x	40	x	2	0.545	45	x	55	x	45	x	2	0.761
40	x	25	x	40	x	3	0.802	45	x	80	x	45	x	3	1.328
40	x	30	x	40	x	2	0.572	45	x	80	x	45	x	6	2.560
40	x	30	x	40	x	3	0.842	45	x	120	x	45	x	10	5.130
40	x	40	x	40	x	1,6	0.505	50	x	30	x	50	x	3	1.004
40	x	40	x	40	x	2	0.626	50	x	38	x	50	x	3,2	1.137
40	x	40	x	40	x	2,5	0.776	50	x	40	x	50	x	2	0.734
40	x	40	x	40	x	3	0.923	50	x	40	x	50	x	4	1.426
40	x	40	x	40	x	4	1.210	50	x	50	x	50	x	2	0.788
40	x	40	x	40	x	5	1.485	50	x	50	x	50	x	3	1.166
40	x	50	x	40	x	3	1.004	50	x	50	x	50	x	4	1.534
40	x	50	x	40	x	4	1.318	50	x	50	x	50	x	5	1.890

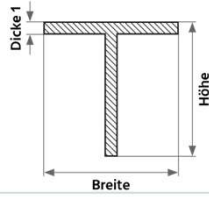
U PROFILES



All dimensions in millimetres

Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m	Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m
50	x	55	x	50	x	2	0.815	60	x	140	x	60	x	6	4.036
50	x	60	x	50	x	2	0.842	60	x	140	x	60	x	7	4.649
50	x	60	x	50	x	3	1.247	60	x	140	x	60	x	8	5.270
50	x	80	x	50	x	3	1.409	60	x	160	x	60	x	3	2.219
50	x	80	x	50	x	5	2.295	70	x	70	x	70	x	5	2.700
50	x	88	x	50	x	3	1.474	70	x	140	x	70	x	8	5.702
50	x	90	x	50	x	3	1.490	75	x	80	x	75	x	5	2.970
50	x	90	x	50	x	5	2.430	80	x	50	x	80	x	3,5	1.918
50	x	100	x	50	x	3	1.571	80	x	72	x	80	x	5	2.997
50	x	100	x	50	x	4	2.074	80	x	80	x	80	x	4	2.506
50	x	100	x	50	x	5	2.565	80	x	80	x	80	x	5	3.105
50	x	100	x	50	x	8	3.974	80	x	86	x	80	x	3	1.944
50	x	100	x	50	x	10	4.860	80	x	120	x	80	x	8	5.702
50	x	108	x	50	x	3	1.636	80	x	125	x	80	x	8	5.810
50	x	150	x	50	x	3	1.976	80	x	160	x	80	x	8	6.566
50	x	150	x	50	x	16	9.418	80	x	160	x	80	x	10	8.100
50	x	200	x	50	x	5	3.915	85	x	85	x	85	x	3	2.017
50,5	x	76	x	50,5	x	3	1.385	90	x	50	x	90	x	3	1.814
55	x	65	x	55	x	2,5	1.148	100	x	60	x	60	x	6	3.370
55	x	100	x	55	x	8	4.190	100	x	60	x	100	x	3	2.057
55	x	120	x	55	x	10	5.670	100	x	86	x	100	x	3	2.268
60	x	30	x	60	x	2	0.788	100	x	100	x	100	x	4	3.154
60	x	30	x	60	x	3	1.166	100	x	100	x	100	x	5	3.915
60	x	40	x	60	x	4	1.642	100	x	100	x	100	x	8	6.134
60	x	40	x	60	x	5	2.025	100	x	150	x	100	x	5	4.590
60	x	60	x	60	x	2	0.950	100	x	200	x	100	x	10	10.260
60	x	60	x	60	x	3	1.409	120	x	86	x	120	x	3	2.592
60	x	60	x	60	x	4	1.858	120	x	188	x	120	x	10	11.016
60	x	60	x	60	x	5	2.295	130	x	89	x	130	x	4,5	4.131
60	x	60	x	60	x	6	2.722	140	x	86	x	140	x	3	2.916
60	x	80	x	60	x	5	2.565	140	x	150	x	140	x	6	6.772
60	x	90	x	60	x	5	2.700	160	x	86	x	160	x	3	3.240
60	x	120	x	60	x	8	4.838								

T PROFILES

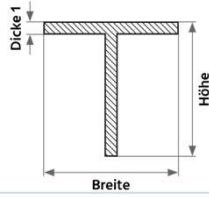


All dimensions in millimetres

Height		Width		Thickness	Weight kg/m
15	x	15	x	1,5	0.115
15	x	15	x	2	0.151
15	x	30	x	2	0.232
20	x	20	x	1,5	0.156
20	x	20	x	2	0.205
20	x	40	x	2	0.313
20	x	20	x	3	0.300
20	x	40	x	4	0.605
20	x	40	x	5	0.743
25	x	25	x	1,5	0.196
25	x	25	x	2	0.259
25	x	25	x	3	0.381
30	x	30	x	1,5	0.237
30	x	20	x	2	0.259
30	x	25	x	2	0.286
30	x	30	x	2	0.313
30	x	90	x	2	0.637
30	x	30	x	3	0.462
30	x	40	x	3	0.543
30	x	60	x	4	0.929
30	x	100	x	4	1.361
35	x	15	x	3	0.381
35	x	35	x	3	0.543
35	x	90	x	5	1.620
40	x	20	x	2	0.313
40	x	25	x	2	0.340
40	x	40	x	2	0.421
40	x	50	x	2	0.475
40	x	40	x	3	0.624

Height		Width		Thickness	Weight kg/m
40	x	40	x	4	0.821
40	x	60	x	4	1.037
40	x	40	x	5	1.013
40	x	60	x	5	1.282
45	x	110	x	1,8	0.745
45	x	80	x	2	0.664
45	x	100	x	2	0.772
45	x	110	x	2	0.826
45	x	45	x	3	0.705
50	x	50	x	2	0.529
50	x	60	x	2	0.583
50	x	70	x	2	0.637
50	x	80	x	2	0.691
50	x	100	x	2	0.799
50	x	110	x	2	0.853
50	x	120	x	2	0.907
50	x	140	x	2	1.015
50	x	50	x	3	0.786
50	x	110	x	3	1.272
50	x	160	x	3	1.677
50	x	25	x	4	0.767
50	x	30	x	4	0.821
50	x	35	x	4	0.875
50	x	50	x	4	1.037
50	x	80	x	4	1.361
50	x	50	x	5	1.283
50	x	70	x	5	1.553
50	x	80	x	5	1.688
50	x	100	x	5	1.958

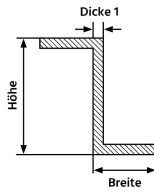
T PROFILES



All dimensions in millimetres

Height		Width		Thickness	Weight kg/m	Height		Width		Thickness	Weight kg/m
50	x	80	x	6	2.009	80	x	80	x	4	1.685
52	x	24	x	4	0.778	80	x	80	x	5	2.093
55	x	80	x	2	0.718	80	x	80	x	6	2.495
60	x	50	x	2	0.583	80	x	80	x	7	2.892
60	x	60	x	2	0.637	80	x	80	x	8	3.283
60	x	120	x	2	0.961	80	x	120	x	8	4.147
60	x	40	x	3	0.786	100	x	50	x	2	0.799
60	x	60	x	3	0.948	100	x	60	x	2	0.853
60	x	30	x	4	0.929	100	x	80	x	2	0.961
60	x	40	x	4	1.037	100	x	100	x	2	1.069
60	x	60	x	4	1.253	100	x	50	x	3	1.191
60	x	70	x	4	1.361	100	x	60	x	3	1.272
60	x	40	x	5	1.282	100	x	100	x	3,5	1.857
60	x	100	x	5	2.093	100	x	45	x	4	1.523
60	x	60	x	6	1.847	100	x	100	x	4	2.117
65	x	60	x	2	0.664	100	x	60	x	5	2.093
70	x	50	x	1,8	0.574	100	x	100	x	6	3.143
70	x	70	x	3	1.110	100	x	50	x	10	3.780
70	x	50	x	4	1.253	100	x	100	x	10	5.130
70	x	50	x	5	1.553	110	x	40	x	2	0.799
70	x	70	x	5	1.823	110	x	50	x	2	0.853
70	x	70	x	7	2.514	120	x	45	x	1,8	0.793
70	x	70	x	8	2.851	120	x	45	x	2	0.880
80	x	45	x	1,8	0.599	120	x	50	x	2	0.907
80	x	45	x	2	0.664	120	x	60	x	2	0.961
80	x	50	x	2	0.691	120	x	60	x	5	2.363
80	x	80	x	3	1.272	140	x	50	x	2	1.015
80	x	100	x	3	1.434	140	x	60	x	2	1.069
80	x	50	x	4	1.361						

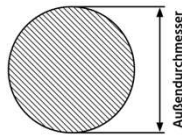
Z PROFILES



All dimensions in millimetres

Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m	Width 1 Breite1		Height		Width 2 Breite2		Thickness	Weight kg/m
15	x	6	x	15	x	1,5	0.134	30	x	60	x	30	x	2	0.626
15	x	10	x	10	x	2	0.167	35	x	50	x	35	x	2	0.626
15	x	10	x	15	x	2	0.194	35	x	50	x	35	x	3	0.923
15	x	15	x	15	x	2	0.221	40	x	30	x	40	x	2	0.572
15	x	20	x	15	x	2	0.248	40	x	40	x	40	x	2,5	0.776
15	x	40	x	15	x	2	0.356	40	x	40	x	40	x	3	0.923
17	x	25	x	17	x	2	0.297	40	x	40	x	40	x	4	1.210
18	x	43	x	18	x	3	0.591	40	x	60	x	40	x	3	1.085
20	x	18	x	21	x	3	0.429	40	x	60	x	40	x	4	1.426
20	x	20	x	20	x	2	0.302	40	x	70	x	40	x	3	1.166
22	x	32	x	22	x	2,5	0.479	40	x	86	x	40	x	3	1.296
24	x	60	x	24	x	2	0.562	40	x	110	x	40	x	3	1.490
24	x	60	x	24	x	4	1.080	40	x	150	x	40	x	2,5	1.519
25	x	25	x	25	x	2	0.383	45	x	30	x	30	x	2	0.545
25	x	25	x	25	x	3	0.559	50	x	50	x	50	x	4	1.534
25	x	30	x	25	x	3	0.599	51	x	57	x	50	x	3	1.231
25	x	50	x	25	x	2	0.518	54	x	60	x	50	x	3	1.280
30	x	30	x	30	x	2	0.464	70	x	100	x	70	x	6	3.694
30	x	30	x	30	x	3	0.680	71	x	39	x	55	x	3	1.288
30	x	40	x	30	x	3	0.761	80	x	57	x	51	x	3	1.474
30	x	50	x	30	x	2	0.572	80	x	60	x	60	x	3	1.571
30	x	50	x	30	x	3	0.842								

CIRCULAR BARS



All dimensions in millimetres

Outer diameter	Weight kg/m	Outer diameter	Weight kg/m
6	0.076	34	2.451
7	0.104	35	2.596
7,2	0.110	36	2.748
8	0.136	37	2.903
9	0.172	38	3.062
10	0.212	40	3.391
11	0.257	41	3.565
12	0.305	42	3.741
13	0.358	44	4.106
13,5	0.386	45	4.294
14	0.415	46	4.487
15	0.477	47	4.685
16	0.543	48	4.886
18	0.687	49	5.092
20	0.848	50	5.299
21	0.935	52	5.734
22	1.026	53	5.955
23	1.122	55	6.415
24	1.221	56	6.650
25	1.325	58	7.134
26	1.434	60	7.630
27	1.546	62	8.152
28	1.662	65	8.955
29	1.783	68	9.806
30	1.908	70	10.391
32	2.172	75	11.929
33	2.310	80	13.572

**Let's talk about your
requirements.**

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