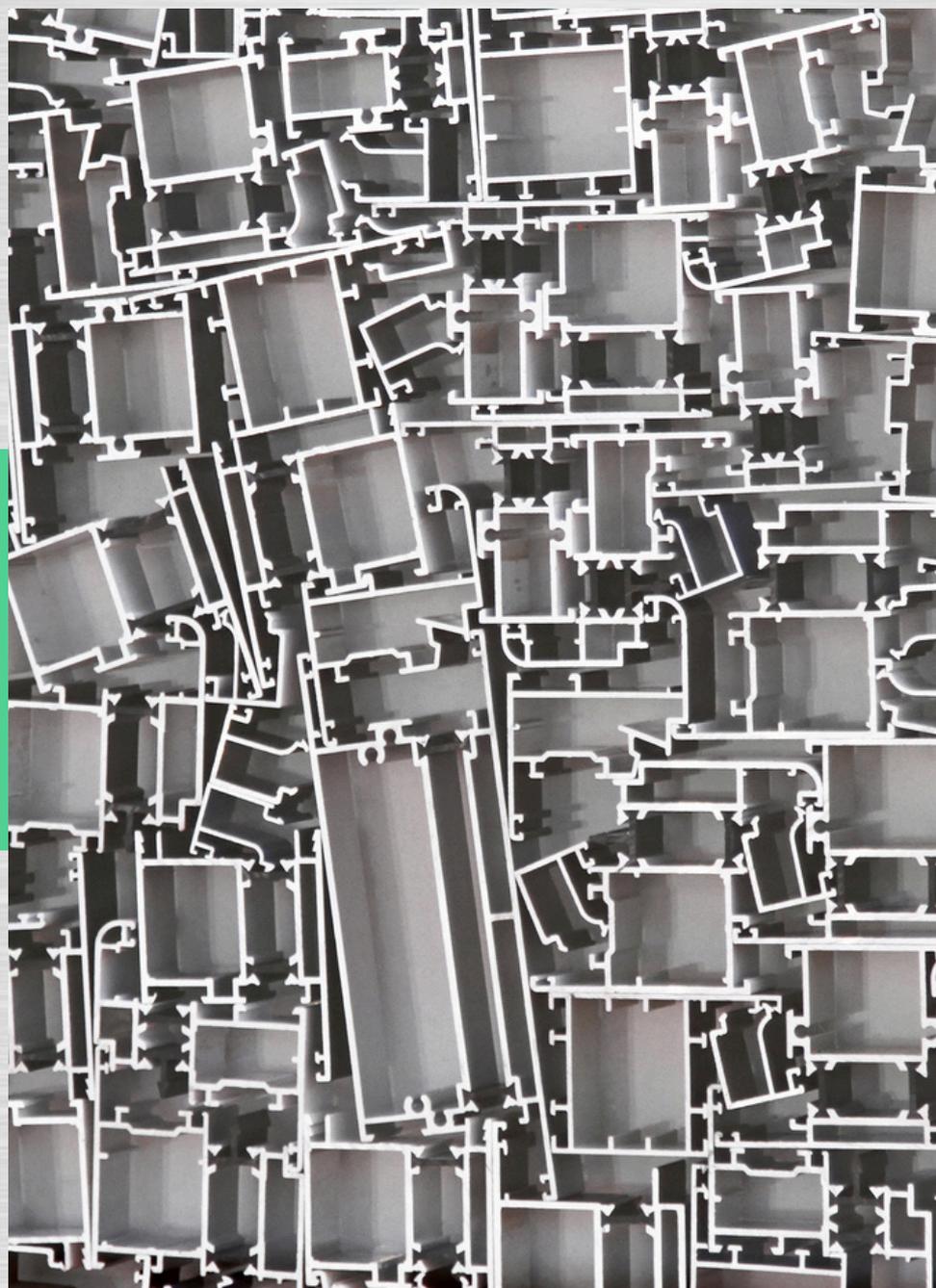


GREENAL ALUMINIUM

For Greener Future



STANDART PROFILES CATALOG

UPDATED 19.06.2025

Engineered for strength, versatility, and efficiency, our standard aluminum profiles are the essential building blocks for robust and adaptable structures. These profiles offer unparalleled modularity, enabling rapid assembly, infinite reconfiguration, and seamless integration of components. Ideal for machine frames, automation systems, workstations, safety guarding, test equipment, and custom fabrication, they deliver exceptional lightweight strength and inherent corrosion resistance.

This catalog provides the detailed specifications, dimensions, and accessory compatibility you need to design smarter, build faster, and achieve reliable performance. Explore our comprehensive range and discover the perfect profile solution for your next project.

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GREENAL ALÜMİNYUM ANONİM ŞİRKETİ
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Ataşehir / İstanbul / Türkiye
Kuruluşunun (the organization),

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DESIGN, MANUFACTURE AND DISTRIBUTION OF ALUMINIUM PROFILES AND MANUFACTURE, TRADE AND DISTRIBUTION OF ALUMINIUM ACCESSORIES

EA 17

kapsamında (in the scope of),
ISO 9001:2015
Kalite Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Quality Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 07.03.2024
Belge Tarihi/Date of Issue : 06.03.2025
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Revizyon Tarihi/No/Revision Date/No : -


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Kuruluşunun (the organization),

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kapsamında (in the scope of),
ISO 45001:2018
İş Sağlığı ve Güvenliği Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Occupational Health and Safety Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 07.03.2024
Belge Tarihi/Date of Issue : 06.03.2025
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INFORMATION SECURITY ACTIVITIES FOR DESIGN, MANUFACTURE AND DISTRIBUTION OF ALUMINIUM PROFILES AND MANUFACTURE, TRADE AND DISTRIBUTION OF ALUMINIUM ACCESSORIES

4.04.2023 tarihli Uygulanabilirlik Bildirgesi / (Statement of Applicability)

kapsamında (in the scope of),
ISO/IEC 27001:2022
Bilgi Güvenliği Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Information Security Management in accordance with standard's clauses is established and being implemented)

Referans Verilen Ulusal ve Uluslararası Standartlar: ISO 27001 Standart Serileri.
(Referenced National & International Standards: ISO 27001 Standard Series.)

İlk Veriliş Tarihi/First Date of Issue : 07.03.2024
Belge Tarihi/Date of Issue : 06.03.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
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Ataşehir / İstanbul / Türkiye
Kuruluşunun (the organization),

ALÜMİNYUM PROFİL TASARIMI, İMALATI VE DAĞITIMI İLE ALÜMİNYUM AKSESUARLARIN İMALATI, TİCARETİ VE DAĞITIMI

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kapsamında (in the scope of),
ISO 14001:2015
Çevre Yönetim Sistemi standardının şartlarına uyan bir yönetim sistemi kurduğunu ve uyguladığını onaylamak üzere verilmiştir.
(to certify that Environmental Management System in accordance with standard's clauses is established and being implemented)

İlk Veriliş Tarihi/First Date of Issue : 07.03.2024
Belge Tarihi/Date of Issue : 06.03.2025
Belge Periyodu/Certificate Period : 3 Yıl/Years
Bitiş Tarihi/Reissue Due Date : 06.03.2026
Sertifika No/Certificate No : 14.24.11916.20446.I
Revizyon Tarihi/No/Revision Date/No : -


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Sistem Sertifikasyon Onayı
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CERTIFICATES



Quality You Can Build On

At Greenal Aluminium, precision and durability aren't just promises—they're guaranteed. Every aluminum profile we produce adheres to stringent international quality standards, ensuring consistent performance for industrial, automation, and structural applications.

Our Commitment to Excellence

✓ Material Integrity

- High-grade aluminum alloys (e.g., 6061-T6, 6063-T5) for optimal strength-to-weight ratios.
- Rigorous raw material inspections to guarantee corrosion resistance and mechanical properties.

✓ Precision Manufacturing

- Tight tolerances for seamless assembly.
- Advanced extrusion processes for uniform cross-sections and smooth finishes.

✓ Comprehensive Testing

- Dimensional accuracy checks via CNC-measured samples.
- Load-bearing validation for critical applications.
- Surface quality audits (anodizing, powder coating, or mill finish).

✓ Certifications & Compliance

- Compliant with ISO 9001, and other industry-specific standards.
- Traceability protocols for full material and production history.

Why It Matters

Our quality systems ensure that every profile:

- ✓ Fits perfectly with accessories and other components.
- ✓ Performs reliably under stress, vibration, and environmental challenges.
- ✓ Lasts longer with superior corrosion and wear resistance.

Need proof? Request test reports or discuss custom certification requirements with our team.

PIPE



#100 D (mm) - 8 d (mm) - 5 s (mm) - 1.5 Kg/m - 0.083	#101 D (mm) - 10 d (mm) - 5 s (mm) - 1.5 Kg/m - 0.108	#102 D (mm) - 10 d (mm) - 5 s (mm) - 2.5 Kg/m - 0.160	#103 D (mm) - 12 d (mm) - 10 s (mm) - 1.0 Kg/m - 0.094	#104 D (mm) - 13 d (mm) - 10.6 s (mm) - 1.2 Kg/m - 0.121	#105 D (mm) - 14 d (mm) - 12 s (mm) - 1.0 Kg/m - 0.111	#106 D (mm) - 15.8 d (mm) - 13.4 s (mm) - 1.2 Kg/m - 0.149
#107 D (mm) - 15.8 d (mm) - 13 s (mm) - 1.4 Kg/m - 0.172	#108 D (mm) - 15.8 d (mm) - 11.8 s (mm) - 2.0 Kg/m - 0.235	#109 D (mm) - 15.8 d (mm) - 9.8 s (mm) - 3.0 Kg/m - 0.327	#110 D (mm) - 15.8 d (mm) - 7 s (mm) - 4.4 Kg/m - 0.427	#111 D (mm) - 15.8 d (mm) - 6 s (mm) - 4.9 Kg/m - 0.454	#112 D (mm) - 15.8 d (mm) - 5 s (mm) - 5.4 Kg/m - 0.478	#113 D (mm) - 16 d (mm) - 13 s (mm) - 1.5 Kg/m - 0.185
#114 D (mm) - 16 d (mm) - 12 s (mm) - 2.0 Kg/m - 0.240	#115 D (mm) - 17 d (mm) - 15 s (mm) - 1.0 Kg/m - 0.136	#116 D (mm) - 18 d (mm) - 15 s (mm) - 1.5 Kg/m - 0.211	#117 D (mm) - 19 d (mm) - 16.6 s (mm) - 1.2 Kg/m - 0.181	#118 D (mm) - 19 d (mm) - 14 s (mm) - 2.5 Kg/m - 0.353	#119 D (mm) - 20 d (mm) - 18 s (mm) - 1.0 Kg/m - 0.163	#120 D (mm) - 20 d (mm) - 17.6 s (mm) - 1.2 Kg/m - 0.192
#121 D (mm) - 20 d (mm) - 16 s (mm) - 2.0 Kg/m - 0.307	#122 D (mm) - 20 d (mm) - 15 s (mm) - 2.5 Kg/m - 0.372	#123 D (mm) - 20 d (mm) - 14 s (mm) - 3.0 Kg/m - 0.434	#124 D (mm) - 20 d (mm) - 12 s (mm) - 4.0 Kg/m - 0.545	#125 D (mm) - 20 d (mm) - 7 s (mm) - 6.5 Kg/m - 0.747	#126 D (mm) - 20 d (mm) - 5 s (mm) - 7.5 Kg/m - 0.795	#127 D (mm) - 22 d (mm) - 19 s (mm) - 1.5 Kg/m - 0.261
#128 D (mm) - 22 d (mm) - 18 s (mm) - 2.0 Kg/m - 0.341	#129 D (mm) - 24 d (mm) - 21 s (mm) - 1.5 Kg/m - 0.287	#130 D (mm) - 24 d (mm) - 18 s (mm) - 3.0 Kg/m - 0.537	#131 D (mm) - 24 d (mm) - 14 s (mm) - 5.0 Kg/m - 0.810	#132 D (mm) - 24 d (mm) - 7 s (mm) - 8.5 Kg/m - 1.122	#133 D (mm) - 24 d (mm) - 5 s (mm) - 9.5 Kg/m - 1.173	#134 D (mm) - 25 d (mm) - 22.4 s (mm) - 1.3 Kg/m - 0.262
#135 D (mm) - 25 d (mm) - 22 s (mm) - 1.5 Kg/m - 0.300	#136 D (mm) - 25 d (mm) - 21 s (mm) - 2.0 Kg/m - 0.392	#137 D (mm) - 25 d (mm) - 20 s (mm) - 2.5 Kg/m - 0.479	#138 D (mm) - 27 d (mm) - 24.6 s (mm) - 1.2 Kg/m - 0.264	#139 D (mm) - 27 d (mm) - 8 s (mm) - 9.5 Kg/m - 1.415	#140 D (mm) - 27 d (mm) - 10 s (mm) - 8.5 Kg/m - 1.339	#141 D (mm) - 28 d (mm) - 25 s (mm) - 1.5 Kg/m - 0.338
#142 D (mm) - 28 d (mm) - 24 s (mm) - 2.0 Kg/m - 0.443	#143 D (mm) - 30 d (mm) - 28 s (mm) - 1.0 Kg/m - 0.247	#144 D (mm) - 30 d (mm) - 27 s (mm) - 1.5 Kg/m - 0.364	#145 D (mm) - 30 d (mm) - 26 s (mm) - 2.0 Kg/m - 0.477	#146 D (mm) - 30 d (mm) - 24 s (mm) - 3.0 Kg/m - 0.690	#147 D (mm) - 30 d (mm) - 22 s (mm) - 4.0 Kg/m - 0.886	#148 D (mm) - 30 d (mm) - 20 s (mm) - 5.0 Kg/m - 1.065
#149 D (mm) - 30 d (mm) - 10 s (mm) - 10.0 Kg/m - 1.703	#150 D (mm) - 35 d (mm) - 32 s (mm) - 1.5 Kg/m - 0.428	#151 D (mm) - 35 d (mm) - 31 s (mm) - 2.0 Kg/m - 0.562	#152 D (mm) - 35 d (mm) - 30 s (mm) - 2.5 Kg/m - 0.692	#153 D (mm) - 35 d (mm) - 29 s (mm) - 3.0 Kg/m - 0.817	#154 D (mm) - 36 d (mm) - 30 s (mm) - 3.0 Kg/m - 0.843	#155 D (mm) - 40 d (mm) - 37.4 s (mm) - 1.3 Kg/m - 0.428

PIPE



#156

D (mm) - 40
d (mm) - 36
s (mm) - 2.0
Kg/m - 0.647

#157

D (mm) - 40
d (mm) - 35
s (mm) - 2.5
Kg/m - 0.798

#158

D (mm) - 40
d (mm) - 34
s (mm) - 3.0
Kg/m - 0.945

#159

D (mm) - 40
d (mm) - 32
s (mm) - 4.0
Kg/m - 1.226

#160

D (mm) - 40
d (mm) - 30
s (mm) - 5.0
Kg/m - 1.490

#161

D (mm) - 45
d (mm) - 41
s (mm) - 2.0
Kg/m - 0.732

#162

D (mm) - 45
d (mm) - 37
s (mm) - 4.0
Kg/m - 1.396

#163

D (mm) - 45
d (mm) - 35
s (mm) - 5.0
Kg/m - 1.702

#164

D (mm) - 45
d (mm) - 9
s (mm) - 18
Kg/m - 4.137

#165

D (mm) - 50
d (mm) - 47.4
s (mm) - 1.3
Kg/m - 0.541

#166

D (mm) - 50
d (mm) - 47
s (mm) - 1.5
Kg/m - 0.620

#167

D (mm) - 50
d (mm) - 46.4
s (mm) - 1.8
Kg/m - 0.738

#168

D (mm) - 50
d (mm) - 46
s (mm) - 2.0
Kg/m - 0.817

#169

D (mm) - 50
d (mm) - 45
s (mm) - 2.5
Kg/m - 1.011

#170

D (mm) - 50
d (mm) - 41
s (mm) - 4.5
Kg/m - 1.743

#171

D (mm) - 50
d (mm) - 10
s (mm) - 20.0
Kg/m - 5.108

#172

D (mm) - 55
d (mm) - 40.5
s (mm) - 7.25
Kg/m - 2.947

#173

D (mm) - 60
d (mm) - 58
s (mm) - 1.0
Kg/m - 0.503

#174

D (mm) - 60
d (mm) - 56
s (mm) - 2.0
Kg/m - 0.987

#175

D (mm) - 60
d (mm) - 55
s (mm) - 2.5
Kg/m - 1.223

#176

D (mm) - 60
d (mm) - 54
s (mm) - 3.0
Kg/m - 1.455

#177

D (mm) - 60
d (mm) - 50
s (mm) - 5.0
Kg/m - 2.341

#178

D (mm) - 70
d (mm) - 67
s (mm) - 1.5
Kg/m - 0.875

#179

D (mm) - 70
d (mm) - 67
s (mm) - 3.0
Kg/m - 1.711

#180

D (mm) - 80
d (mm) - 78
s (mm) - 1.0
Kg/m - 0.673

#181

D (mm) - 80
d (mm) - 76
s (mm) - 2.0
Kg/m - 1.328

#182

D (mm) - 80
d (mm) - 74
s (mm) - 3.0
Kg/m - 1.967

#183

D (mm) - 85
d (mm) - 76
s (mm) - 4.5
Kg/m - 3.084

#184

D (mm) - 85
d (mm) - 75
s (mm) - 5.0
Kg/m - 3.405

#185

D (mm) - 90
d (mm) - 86
s (mm) - 2.0
Kg/m - 1.498

#186

D (mm) - 90
d (mm) - 80
s (mm) - 5.0
Kg/m - 3.618

#187

D (mm) - 100
d (mm) - 95
s (mm) - 2.5
Kg/m - 2.075

#188

D (mm) - 100
d (mm) - 90
s (mm) - 5.0
Kg/m - 4.044

#189

D (mm) - 110
d (mm) - 102
s (mm) - 4.0
Kg/m - 3.609

#190

D (mm) - 120
d (mm) - 110
s (mm) - 5.0
Kg/m - 4.895

#191

D (mm) - 125
d (mm) - 111
s (mm) - 7.0
Kg/m - 7.032

#192

D (mm) - 125
d (mm) - 50
s (mm) - 37.5
Kg/m - 27.936

#193

D (mm) - 130
d (mm) - 47
s (mm) - 41.5
Kg/m - 31.267

#194

D (mm) - 135
d (mm) - 121
s (mm) - 7.0
Kg/m - 7.628

#195

D (mm) - 135
d (mm) - 81
s (mm) - 27.0
Kg/m - 24.826

#196

D (mm) - 135
d (mm) - 55
s (mm) - 40.0
Kg/m - 32.352

#197

D (mm) - 150
d (mm) - 145
s (mm) - 2.5
Kg/m - 3.139

#198

D (mm) - 155
d (mm) - 145
s (mm) - 5.0
Kg/m - 6.388

#199

D (mm) - 160
d (mm) - 144
s (mm) - 8.0
Kg/m - 10.352

#200

D (mm) - 180
d (mm) - 174
s (mm) - 3.0
Kg/m - 4.520

#201

D (mm) - 180
d (mm) - 170
s (mm) - 5.0
Kg/m - 7.450

#202

D (mm) - 200
d (mm) - 190
s (mm) - 3.0
Kg/m - 5.032

#203

D (mm) - 200
d (mm) - 192
s (mm) - 4.0
Kg/m - 6.674

#204

D (mm) - 200
d (mm) - 190
s (mm) - 5.0
Kg/m - 8.300

#205

D (mm) - 260
d (mm) - 252
s (mm) - 4.0
Kg/m - 8.718

S Q U A R E T U B E



#300

a (mm) - 10
d (mm) -
s (mm) - 1.8
Kg/m - 0.160

#301

a (mm) - 14
d (mm) -
s (mm) - 1.2
Kg/m - 0.166

#302

a (mm) - 14
d (mm) -
s (mm) - 1.5
Kg/m - 0.201

#303

a (mm) - 14
d (mm) -
s (mm) - 2.0
Kg/m - 0.258

#304

a (mm) - 16
d (mm) -
s (mm) - 1.2
Kg/m - 0.192

#305

a (mm) - 20
d (mm) -
s (mm) - 1.0
Kg/m - 0.206

#306

a (mm) - 20
d (mm) -
s (mm) - 1.2
Kg/m - 0.245

#307

a (mm) - 20
d (mm) -
s (mm) - 1.5
Kg/m - 0.301

#308

a (mm) - 20
d (mm) -
s (mm) - 2.0
Kg/m - 0.390

#309

a (mm) - 25
d (mm) -
s (mm) - 1.5
Kg/m - 0.382

#310

a (mm) - 25
d (mm) -
s (mm) - 2.0
Kg/m - 0.499

#311

a (mm) - 30
d (mm) -
s (mm) - 1.5
Kg/m - 0.463

#312

a (mm) - 30
d (mm) -
s (mm) - 2.0
Kg/m - 0.607

#313

a (mm) - 35
d (mm) -
s (mm) - 1.5
Kg/m - 0.545

#314

a (mm) - 40
d (mm) -
s (mm) - 1.1
Kg/m - 0.464

#315

a (mm) - 40
d (mm) -
s (mm) - 1.5
Kg/m - 0.626

#316

a (mm) - 40
d (mm) -
s (mm) - 2.0
Kg/m - 0.824

#317

a (mm) - 40
d (mm) -
s (mm) - 2.3
Kg/m - 0.950

#318

a (mm) - 40
d (mm) -
s (mm) - 3.0
Kg/m - 1.202

#319

a (mm) - 45
d (mm) -
s (mm) - 1.4
Kg/m - 0.662

#320

a (mm) - 45
d (mm) -
s (mm) - 2.0
Kg/m - 0.932

#321

a (mm) - 50
d (mm) -
s (mm) - 1.5
Kg/m - 0.788

#322

a (mm) - 50
d (mm) -
s (mm) - 1.8
Kg/m - 0.940

#323

a (mm) - 50
d (mm) -
s (mm) - 2.0
Kg/m - 1.040

#324

a (mm) - 50
d (mm) -
s (mm) - 3.0
Kg/m - 1.528

#325

a (mm) - 60
d (mm) -
s (mm) - 1.5
Kg/m - 0.951

#326

a (mm) - 60
d (mm) -
s (mm) - 2.0
Kg/m - 1.257

#327

a (mm) - 60
d (mm) -
s (mm) - 3.0
Kg/m - 1.853

#328

a (mm) - 60
d (mm) -
s (mm) - 5.0
Kg/m - 2.981

#329

a (mm) - 70
d (mm) -
s (mm) - 4.0
Kg/m - 3.195

#330

a (mm) - 75
d (mm) -
s (mm) - 1.8
Kg/m - 1.428

#331

a (mm) - 80
d (mm) -
s (mm) - 2.0
Kg/m - 1.691

#332

a (mm) - 90
d (mm) -
s (mm) - 2.0
Kg/m - 1.908

#333

a (mm) - 90
d (mm) -
s (mm) - 3.0
Kg/m - 2.829

#334

a (mm) - 100
d (mm) -
s (mm) - 2.0
Kg/m - 2.124

#335

a (mm) - 100
d (mm) -
s (mm) - 3.0
Kg/m - 3.154

#336

a (mm) - 100
d (mm) -
s (mm) - 4.0
Kg/m - 4.163

#337

a (mm) - 100
d (mm) -
s (mm) - 5.0
Kg/m - 5.147

#338

a (mm) - 110
d (mm) -
s (mm) - 2.0
Kg/m - 2.341

#339

a (mm) - 110
d (mm) -
s (mm) - 3.0
Kg/m - 3.431

#340

a (mm) - 120
d (mm) -
s (mm) - 3.0
Kg/m - 3.805

#341

a (mm) - 140
d (mm) -
s (mm) - 3.0
Kg/m - 4.455

#342

a (mm) - 150
d (mm) -
s (mm) - 2.5
Kg/m - 3.997

#343

a (mm) - 150
d (mm) -
s (mm) - 3.0
Kg/m - 4.780

#344

a (mm) - 150
d (mm) -
s (mm) - 4.0
Kg/m - 6.330

#345

a (mm) - 150
d (mm) -
s (mm) - 5.0
Kg/m - 7.856

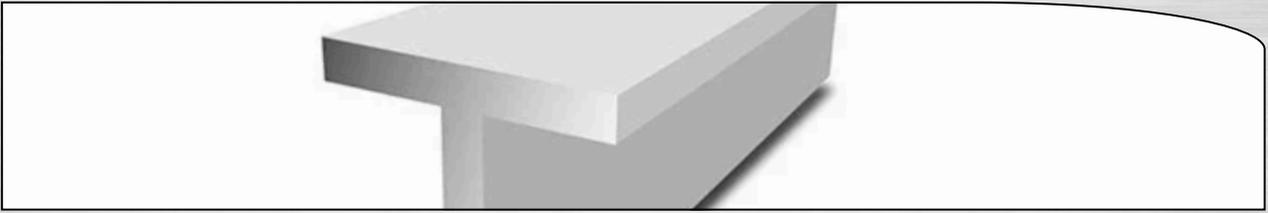
#346

a (mm) - 160
d (mm) -
s (mm) - 3.0
Kg/m - 5.105

#347

a (mm) - 200
d (mm) -
s (mm) - 3.0
Kg/m - 6.827

T - P R O F I L E S



#500

a (mm) - 25
b (mm) - 25
s (mm) - 1.1
Kg/m - 0.146

#501

a (mm) - 30
b (mm) - 15
s (mm) - 1.2
Kg/m - 0.142

#502

a (mm) - 30
b (mm) - 30
s (mm) - 1.2
Kg/m - 0.191

#503

a (mm) - 30
b (mm) - 30
s (mm) - 1.5
Kg/m - 0.237

#504

a (mm) - 30
b (mm) - 90
s (mm) - 6.0
Kg/m - 1.853

#505

a (mm) - 40
b (mm) - 40
s (mm) - 1.5
Kg/m - 0.324

#506

a (mm) - 40
b (mm) - 40
s (mm) - 3.0
Kg/m - 0.626

#507

a (mm) - 50
b (mm) - 50
s (mm) - 5.0
Kg/m - 1.285

#508

a (mm) - 60
b (mm) - 50
s (mm) - 3.0
Kg/m - 0.870

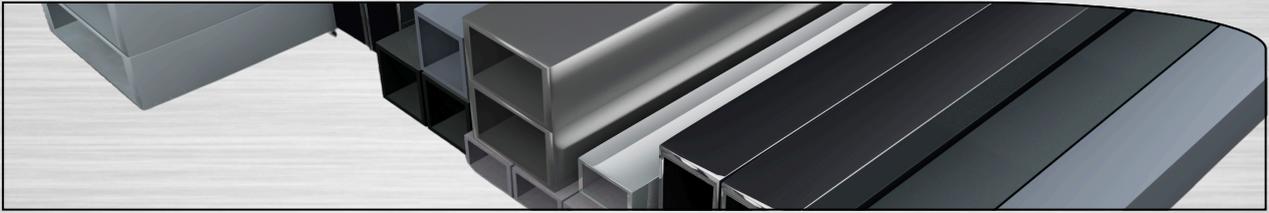
#509

a (mm) - 80
b (mm) - 50
s (mm) - 2.0
Kg/m - 0.693

#510

a (mm) - 80
b (mm) - 60
s (mm) - 4.0
Kg/m - 1.474

RECTANGULAR TUBE



#700

a (mm) - 15
b (mm) - 12.5
s (mm) - 1.2
Kg/m - 0.162

#701

a (mm) - 20
b (mm) - 10.0
s (mm) - 1.5
Kg/m - 0.220

#702

a (mm) - 25
b (mm) - 15
s (mm) - 1.2
Kg/m - 0.244

#703

a (mm) - 25
b (mm) - 17
s (mm) - 1.1
Kg/m - 0.237

#704

a (mm) - 30
b (mm) - 11
s (mm) - 1.5
Kg/m - 0.307

#705

a (mm) - 30
b (mm) - 15
s (mm) - 1.5
Kg/m - 0.341

#706

a (mm) - 35
b (mm) - 25
s (mm) - 1.5
Kg/m - 0.464

#707

a (mm) - 40
b (mm) - 20
s (mm) - 1.0
Kg/m - 0.314

#708

a (mm) - 40
b (mm) - 20
s (mm) - 1.2
Kg/m - 0.374

#709

a (mm) - 40
b (mm) - 20
s (mm) - 1.3
Kg/m - 0.404

#710

a (mm) - 40
b (mm) - 20
s (mm) - 1.7
Kg/m - 0.521

#711

a (mm) - 40
b (mm) - 20
s (mm) - 2.0
Kg/m - 0.605

#712

a (mm) - 40
b (mm) - 20
s (mm) - 3.0
Kg/m - 0.878

#713

a (mm) - 40
b (mm) - 30
s (mm) - 1.1
Kg/m - 0.404

#714

a (mm) - 50
b (mm) - 10
s (mm) - 1.5
Kg/m - 0.463

#715

a (mm) - 50
b (mm) - 20
s (mm) - 1.8
Kg/m - 0.648

#716

a (mm) - 50
b (mm) - 25
s (mm) - 2.0
Kg/m - 0.767

#717

a (mm) - 50
b (mm) - 30
s (mm) - 1.5
Kg/m - 0.626

#718

a (mm) - 50
b (mm) - 30
s (mm) - 2.0
Kg/m - 0.823

#719

a (mm) - 50
b (mm) - 30
s (mm) - 3.0
Kg/m - 1.201

#720

a (mm) - 50
b (mm) - 40
s (mm) - 1.1
Kg/m - 0.524

#721

a (mm) - 50
b (mm) - 40
s (mm) - 1.6
Kg/m - 0.753

#722

a (mm) - 60
b (mm) - 13
s (mm) - 1.8
Kg/m - 0.676

#723

a (mm) - 60
b (mm) - 20
s (mm) - 1.2
Kg/m - 0.504

#724

a (mm) - 60
b (mm) - 25
s (mm) - 2.0
Kg/m - 0.869

#725

a (mm) - 60
b (mm) - 30
s (mm) - 2.0
Kg/m - 0.932

#726

a (mm) - 60
b (mm) - 40
s (mm) - 1.3
Kg/m - 0.686

#727

a (mm) - 60
b (mm) - 40
s (mm) - 1.8
Kg/m - 0.940

#728

a (mm) - 60
b (mm) - 40
s (mm) - 2.0
Kg/m - 1.040

#729

a (mm) - 70
b (mm) - 30
s (mm) - 0.9
Kg/m - 0.478

#730

a (mm) - 70
b (mm) - 30
s (mm) - 2.0
Kg/m - 1.040

#731

a (mm) - 75
b (mm) - 25
s (mm) - 1.8
Kg/m - 0.940

#732

a (mm) - 75
b (mm) - 32
s (mm) - 1.1
Kg/m - 0.625

#733

a (mm) - 75
b (mm) - 32
s (mm) - 1.4
Kg/m - 0.790

#734

a (mm) - 80
b (mm) - 15
s (mm) - 1.0
Kg/m - 0.504

#735

a (mm) - 80
b (mm) - 20
s (mm) - 1.2
Kg/m - 0.635

#736

a (mm) - 80
b (mm) - 20
s (mm) - 3.0
Kg/m - 1.528

#737

a (mm) - 80
b (mm) - 50
s (mm) - 1.4
Kg/m - 0.965

#738

a (mm) - 80
b (mm) - 40
s (mm) - 1.3
Kg/m - 0.827

#739

a (mm) - 80
b (mm) - 40
s (mm) - 1.6
Kg/m - 1.013

#740

a (mm) - 80
b (mm) - 40
s (mm) - 2.0
Kg/m - 1.257

#741

a (mm) - 80
b (mm) - 40
s (mm) - 3.0
Kg/m - 1.853

#742

a (mm) - 90
b (mm) - 40
s (mm) - 3.0
Kg/m - 2.015

#743

a (mm) - 90
b (mm) - 50
s (mm) - 1.7
Kg/m - 1.259

#744

a (mm) - 95
b (mm) - 50
s (mm) - 1.5
Kg/m - 1.155

#745

a (mm) - 100
b (mm) - 20
s (mm) - 1.0
Kg/m - 0.639

#746

a (mm) - 100
b (mm) - 20
s (mm) - 1.2
Kg/m - 0.765

#747

a (mm) - 100
b (mm) - 20
s (mm) - 1.6
Kg/m - 1.013

#748

a (mm) - 100
b (mm) - 20
s (mm) - 2.0
Kg/m - 1.257

#749

a (mm) - 100
b (mm) - 25
s (mm) - 1.8
Kg/m - 1.184

#750

a (mm) - 100
b (mm) - 40
s (mm) - 1.8
Kg/m - 1.331

#751

a (mm) - 100
b (mm) - 50
s (mm) - 1.8
Kg/m - 1.428

#752

a (mm) - 100
b (mm) - 50
s (mm) - 3.0
Kg/m - 2.341

#753

a (mm) - 100
b (mm) - 50
s (mm) - 4.0
Kg/m - 3.078

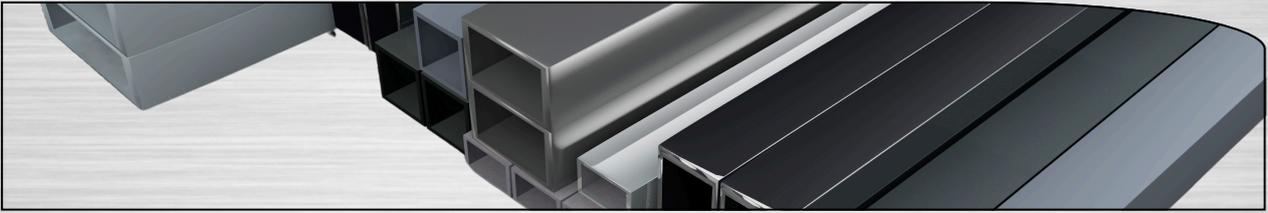
#754

a (mm) - 100
b (mm) - 50
s (mm) - 4.8
Kg/m - 3.649

#755

a (mm) - 105
b (mm) - 20
s (mm) - 1.2
Kg/m - 0.797

RECTANGULAR TUBE



#756

a (mm) - 110
b (mm) - 44
s (mm) - 2.0
Kg/m - 1.625

#757

a (mm) - 120
b (mm) - 60
s (mm) - 1.5
Kg/m - 1.439

#758

a (mm) - 120
b (mm) - 60
s (mm) - 2.0
Kg/m - 1.908

#759

a (mm) - 120
b (mm) - 60
s (mm) - 4.0
Kg/m - 3.729

#760

a (mm) - 130
b (mm) - 80
s (mm) - 2.0
Kg/m - 2.232

#761

a (mm) - 150
b (mm) - 30
s (mm) - 1.6
Kg/m - 1.533

#762

a (mm) - 150
b (mm) - 50
s (mm) - 1.7
Kg/m - 1.811

#763

a (mm) - 150
b (mm) - 50
s (mm) - 2.0
Kg/m - 2.124

#764

a (mm) - 150
b (mm) - 50
s (mm) - 3.0
Kg/m - 3.154

#765

a (mm) - 150
b (mm) - 50
s (mm) - 5.0
Kg/m - 5.149

#766

a (mm) - 150
b (mm) - 50
s (mm) - 6.0
Kg/m - 6.113

#767

a (mm) - 150
b (mm) - 80
s (mm) - 3.0
Kg/m - 3.640

#768

a (mm) - 150
b (mm) - 100
s (mm) - 2.0
Kg/m - 2.666

#769

a (mm) - 160
b (mm) - 20
s (mm) - 1.8
Kg/m - 1.721

#770

a (mm) - 170
b (mm) - 40
s (mm) - 2.0
Kg/m - 2.232

#771

a (mm) - 180
b (mm) - 120
s (mm) - 3.0
Kg/m - 4.780

#772

a (mm) - 200
b (mm) - 35
s (mm) - 2.2
Kg/m - 2.750

#773

a (mm) - 200
b (mm) - 40
s (mm) - 2.5
Kg/m - 3.184

#774

a (mm) - 200
b (mm) - 50
s (mm) - 3.0
Kg/m - 3.967

#775

a (mm) - 200
b (mm) - 60
s (mm) - 4.0
Kg/m - 5.463

#776

a (mm) - 200
b (mm) - 80
s (mm) - 3.0
Kg/m - 4.455

#777

a (mm) - 200
b (mm) - 100
s (mm) - 2.2
Kg/m - 3.524

#778

a (mm) - 200
b (mm) - 100
s (mm) - 3.0
Kg/m - 4.780

#779

a (mm) - 220
b (mm) - 120
s (mm) - 3.5
Kg/m - 6.316

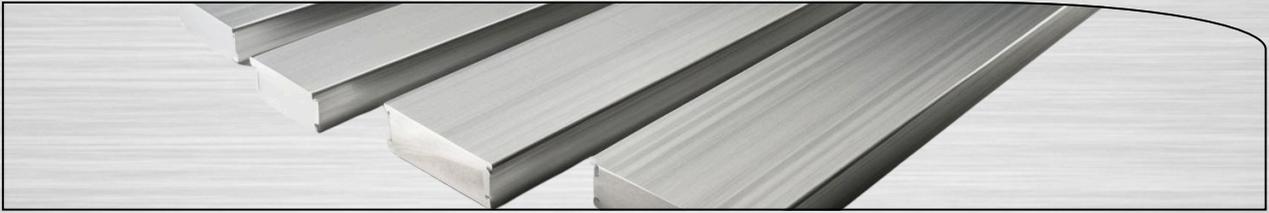
#780

a (mm) - 280
b (mm) - 60
s (mm) - 3.0
Kg/m - 5.431

#781

a (mm) - 300
b (mm) - 60
s (mm) - 3.0
Kg/m - 5.756

FLAT BAR



#900

a (mm) - 10
b (mm) - 3
r (mm) - 0.5
Kg/m - 0.080

#901

a (mm) - 15
b (mm) - 2.0
r (mm) - 0.3
Kg/m - 0.08

#902

a (mm) - 15
b (mm) - 2.5
r (mm) - 0.3
Kg/m - 0.102

#903

a (mm) - 15
b (mm) - 3
r (mm) - 0.5
Kg/m - 0.122

#904

a (mm) - 20
b (mm) - 2
r (mm) - 0.3
Kg/m - 0.108

#905

a (mm) - 20
b (mm) - 3
r (mm) - 0.3
Kg/m - 0.163

#906

a (mm) - 20
b (mm) - 3
r (mm) - 1.5
Kg/m - 0.157

#907

a (mm) - 20
b (mm) - 4
r (mm) - 1.0
Kg/m - 0.215

#908

a (mm) - 20
b (mm) - 5
r (mm) - 2.5
Kg/m - 0.256

#909

a (mm) - 20
b (mm) - 5
r (mm) - 1.0
Kg/m - 0.269

#910

a (mm) - 20
b (mm) - 6
r (mm) - 0.5
Kg/m - 0.325

#911

a (mm) - 25
b (mm) - 2
r (mm) - 0,3
Kg/m - 0.135

#912

a (mm) - 25
b (mm) - 3
r (mm) - 0.3
Kg/m - 0.203

#913

a (mm) - 25
b (mm) - 4
r (mm) - 0.5
Kg/m - 0.271

#914

a (mm) - 25
d (mm) - 6
r (mm) - 0.5
Kg/m - 0.406

#915

a (mm) - 25
d (mm) - 10
r (mm) - 0.3
Kg/m - 0.677

#916

a (mm) - 25
d (mm) - 20
r (mm) - 1.5
Kg/m - 1.350

#917

a (mm) - 30
d (mm) - 2
r (mm) - 0.3
Kg/m - 0.162

#918

a (mm) - 30
d (mm) - 3
r (mm) - 0.3
Kg/m - 0.243

#919

a (mm) - 30
d (mm) - 6
r (mm) - 0.5
Kg/m - 0.487

#920

a (mm) - 30
d (mm) - 8
r (mm) - 0.5
Kg/m - 0.528

#921

a (mm) - 30
d (mm) - 25
r (mm) - 1.0
Kg/m - 2.030

#922

a (mm) - 40
d (mm) - 2.0
r (mm) - 0.3
Kg/m - 0.217

#923

a (mm) - 40
d (mm) - 3.0
r (mm) - 0.3
Kg/m - 0.325

#924

a (mm) - 40
d (mm) - 5.0
r (mm) - 1.0
Kg/m - 0.540

#925

a (mm) - 40
d (mm) - 5.5
r (mm) - 0.5
Kg/m - 0.596

#926

a (mm) - 40
d (mm) - 6.5
r (mm) - 0.5
Kg/m - 0.704

#927

a (mm) - 40
d (mm) - 6.8
r (mm) - 0.3
Kg/m - 0.737

#928

a (mm) - 40
d (mm) - 8
r (mm) - 1.0
Kg/m - 0.865

#929

a (mm) - 40
d (mm) - 10
r (mm) - 1.0
Kg/m - 1.081

#930

a (mm) - 40
d (mm) - 15
r (mm) - 0.3
Kg/m - 1.626

#931

a (mm) - 40
d (mm) - 20
r (mm) - 0.5
Kg/m - 2.167

#932

a (mm) - 45
d (mm) - 11
r (mm) - 1.0
Kg/m - 1.705

#933

a (mm) - 45
d (mm) - 24
r (mm) - 2.0
Kg/m - 2.917

#934

a (mm) - 50
d (mm) - 2
r (mm) - 0.3
Kg/m - 0.271

#935

a (mm) - 50
d (mm) - 5
r (mm) - 0.5
Kg/m - 0.677

#936

a (mm) - 50
d (mm) - 7
r (mm) - 0.7
Kg/m - 0.949

#937

a (mm) - 50
d (mm) - 10
r (mm) - 1.0
Kg/m - 1.353

#938

a (mm) - 50
d (mm) - 18
r (mm) - 2.0
Kg/m - 2.430

#939

a (mm) - 50
d (mm) - 25
r (mm) - 1.0
Kg/m - 3.385

#940

a (mm) - 50
d (mm) - 30
r (mm) - 1.0
Kg/m - 4.063

#941

a (mm) - 50
d (mm) - 40
r (mm) - 0.5
Kg/m - 5.419

#942

a (mm) - 55
d (mm) - 3
r (mm) - 0.3
Kg/m - 0.447

#943

a (mm) - 55
d (mm) - 6
r (mm) - 3.0
Kg/m - 0.873

#944

a (mm) - 55
d (mm) - 12
r (mm) - 0.5
Kg/m - 1.788

#945

a (mm) - 60
d (mm) - 1.2
r (mm) - 0.3
Kg/m - 0.195

#946

a (mm) - 60
d (mm) - 4
r (mm) - 0.3
Kg/m - 0.650

#947

a (mm) - 60
d (mm) - 5
r (mm) - 1.0
Kg/m - 0.811

#948

a (mm) - 60
d (mm) - 10
r (mm) - 1.0
Kg/m - 1.624

#949

a (mm) - 60
d (mm) - 15
r (mm) - 1.0
Kg/m - 2.437

#950

a (mm) - 60
d (mm) - 20
r (mm) - 1.0
Kg/m - 3.249

#951

a (mm) - 60
d (mm) - 45
r (mm) - 1.0
Kg/m - 7.314

#952

a (mm) - 65
d (mm) - 15
r (mm) - 0.5
Kg/m - 2.642

#953

a (mm) - 70
d (mm) - 6
r (mm) - 0.3
Kg/m - 1.138

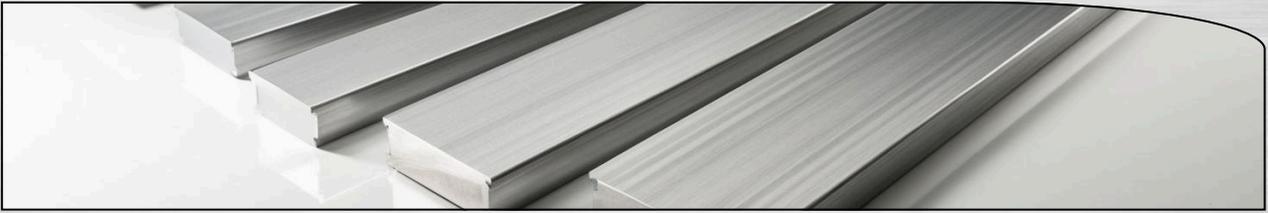
#954

a (mm) - 70
d (mm) - 15
r (mm) - 0.5
Kg/m - 2.845

#955

a (mm) - 70
d (mm) - 10
r (mm) - 1.0
Kg/m - 1.894

FLAT BAR



#956

a (mm) - 70
b (mm) - 32
r (mm) - 5
Kg/m - 6.012

#957

a (mm) - 75
b (mm) - 3
r (mm) - 1.5
Kg/m - 0.604

#958

a (mm) - 75
b (mm) - 6
r (mm) - 3.0
Kg/m - 1.199

#959

a (mm) - 75
b (mm) - 15
r (mm) - 0.5
Kg/m - 3.048

#960

a (mm) - 80
b (mm) - 2.4
r (mm) - 0.3
Kg/m - 0.520

#961

a (mm) - 100
b (mm) - 1.5
r (mm) - 0.3
Kg/m - 0.406

#962

a (mm) - 100
b (mm) - 3.5
r (mm) - 1.75
Kg/m - 0.941

#963

a (mm) - 100
b (mm) - 5
r (mm) - 1.0
Kg/m - 1.353

#964

a (mm) - 100
b (mm) - 7
r (mm) - 3.5
Kg/m - 1.870

#965

a (mm) - 100
b (mm) - 8
r (mm) - 4.0
Kg/m - 2.081

#966

a (mm) - 100
b (mm) - 8
r (mm) - 1.0
Kg/m - 2.165

#967

a (mm) - 100
b (mm) - 10
r (mm) - 1.0
Kg/m - 2.707

#968

a (mm) - 100
b (mm) - 10
r (mm) - 5.0
Kg/m - 2.652

#969

a (mm) - 100
b (mm) - 20
r (mm) - 1.0
Kg/m - 5.418

#970

a (mm) - 110
d (mm) - 3
r (mm) - 0.3
Kg/m - 0.895

#971

a (mm) - 110
d (mm) - 6
r (mm) - 3.0
Kg/m - 1.768

#972

a (mm) - 120
d (mm) - 3
r (mm) - 0.3
Kg/m - 0.975

#973

a (mm) - 120
d (mm) - 5
r (mm) - 0.5
Kg/m - 1.625

#974

a (mm) - 130
d (mm) - 3
r (mm) - 0.3
Kg/m - 1.057

#975

a (mm) - 130
d (mm) - 5
r (mm) - 2.5
Kg/m - 1.747

#976

a (mm) - 130
d (mm) - 6
r (mm) - 3.0
Kg/m - 2.093

#977

a (mm) - 130
d (mm) - 8
r (mm) - 4
Kg/m - 2.781

#978

a (mm) - 150
d (mm) - 1.5
r (mm) - 0.3
Kg/m - 0.609

#979

a (mm) - 150
d (mm) - 10
r (mm) - 0.3
Kg/m - 4.065

#980

a (mm) - 150
d (mm) - 15
r (mm) - 1.0
Kg/m - 6.095

#981

a (mm) - 150
d (mm) - 30
r (mm) - 1.0
Kg/m - 12.195

#982

a (mm) - 160
d (mm) - 10
r (mm) - 0.3
Kg/m - 4.336

#983

a (mm) - 160
d (mm) - 15
r (mm) - 0.3
Kg/m - 6.504

#984

a (mm) - 180
d (mm) - 3
r (mm) - 0.3
Kg/m - 1.464

#985

a (mm) - 180
d (mm) - 6
r (mm) - 3.0
Kg/m - 2.906

#986

a (mm) - 180
d (mm) - 7.5
r (mm) - 3.75
Kg/m - 3.626

#987

a (mm) - 180
d (mm) - 14
r (mm) - 0.5
Kg/m - 6.829

#988

a (mm) - 200
d (mm) - 1.8
r (mm) - 0.3
Kg/m - 0.975

#989

a (mm) - 200
d (mm) - 10
r (mm) - 0.5
Kg/m - 5.419

#990

a (mm) - 200
d (mm) - 15
r (mm) - 2.0
Kg/m - 8.122

#991

a (mm) - 200
d (mm) - 18
r (mm) - 0.5
Kg/m - 9.755

#992

a (mm) - 200
d (mm) - 20
r (mm) - 2.0
Kg/m - 10.830

#993

a (mm) - 200
d (mm) - 25
r (mm) - 2.0
Kg/m - 13.542

#994

a (mm) - 220
d (mm) - 4
r (mm) - 0.5
Kg/m - 2.385

#995

a (mm) - 250
d (mm) - 20
r (mm) - 2.0
Kg/m - 13.541

#996

a (mm) - 250
d (mm) - 22
r (mm) - 2.0
Kg/m - 14.896

#997

a (mm) - 250
d (mm) - 25
r (mm) - 2.0
Kg/m - 16.928

#998

a (mm) - 275
d (mm) - 27
r (mm) - 2.0
Kg/m - 20.114

#216

a (mm) - 100
d (mm) - 6
r (mm) - 0.5
Kg/m - 1.626

U - P R O F I L E S



#1100

a (mm) - 9.2
b (mm) - 22
r (mm) - 1.1
Kg/m - 0.152

#1101

a (mm) - 12
b (mm) - 18
r (mm) - 1.5
Kg/m - 0.183

#1102

a (mm) - 12
b (mm) - 12
r (mm) - 1.0
Kg/m - 0.092

#1103

a (mm) - 12.7
b (mm) - 10.5
r (mm) - 1.0
Kg/m - 0.085

#1104

a (mm) - 13
b (mm) - 27.7
r (mm) - 1.2
Kg/m - 0.214

#1105

a (mm) - 14
b (mm) - 12
r (mm) - 2.95
Kg/m - 0.256

#1106

a (mm) - 14
b (mm) - 20
s (mm) - 3.0
Kg/m - 0.391

#1107

a (mm) - 15
b (mm) - 15
r (mm) - 2.0
Kg/m - 0.222

#1108

a (mm) - 15
b (mm) - 17
r (mm) - 1.25
Kg/m - 0.157

#1109

a (mm) - 15
b (mm) - 30
r (mm) - 3.0
Kg/m - 0.560

#1110

a (mm) - 16
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.282

#1111

a (mm) - 16
b (mm) - 30
r (mm) - 2.0
Kg/m - 0.390

#1112

a (mm) - 17
b (mm) - 17
r (mm) - 1.1
Kg/m - 0.145

#1113

a (mm) - 17.6
b (mm) - 11
s (mm) - 1.6
Kg/m - 0.155

#1114

a (mm) - 18
b (mm) - 20
r (mm) - 1.1
Kg/m - 0.166

#1115

a (mm) - 19
b (mm) - 8
r (mm) - 2.0
Kg/m - 0.168

#1116

a (mm) - 20
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.303

#1117

a (mm) - 20
b (mm) - 30
r (mm) - 2.0
Kg/m - 0.411

#1118

a (mm) - 20
b (mm) - 40
r (mm) - 2.0
Kg/m - 0.520

#1119

a (mm) - 21
b (mm) - 21
r (mm) - 1.1
Kg/m - 0.181

#1120

a (mm) - 21.9
b (mm) - 25
s (mm) - 1.2
Kg/m - 0.225

#1121

a (mm) - 23
b (mm) - 20
r (mm) - 1.3
Kg/m - 0.212

#1122

a (mm) - 25
b (mm) - 12
r (mm) - 1.65
Kg/m - 0.204

#1123

a (mm) - 26
b (mm) - 5
r (mm) - 2.0
Kg/m - 0.173

#1124

a (mm) - 26
b (mm) - 22
r (mm) - 3.0
Kg/m - 0.520

#1125

a (mm) - 27
b (mm) - 25
r (mm) - 1.2
Kg/m - 0.249

#1126

a (mm) - 27,5
b (mm) - 25
r (mm) - 1.2
Kg/m - 0.244

#1127

a (mm) - 32.8
b (mm) - 40
s (mm) - 3.0
Kg/m - 0.868

#1128

a (mm) - 35
b (mm) - 35
r (mm) - 2.0
Kg/m - 0.547

#1129

a (mm) - 36
b (mm) - 30
r (mm) - 1.8
Kg/m - 0.450

#1130

a (mm) - 40
b (mm) - 40
r (mm) - 2.0
Kg/m - 0.629

#1131

a (mm) - 40.6
b (mm) - 40.6
r (mm) - 3.0
Kg/m - 0.941

#1132

a (mm) - 41
b (mm) - 30
r (mm) - 1.8
Kg/m - 0.475

#1133

a (mm) - 42
b (mm) - 35
r (mm) - 1.3
Kg/m - 0.385

#1134

a (mm) - 43.2
b (mm) - 40
s (mm) - 1.2
Kg/m - 0.392

#1135

a (mm) - 43.5
b (mm) - 20.5
r (mm) - 1.2
Kg/m - 0.267

#1136

a (mm) - 45
b (mm) - 43
r (mm) - 2.0
Kg/m - 0.688

#1137

a (mm) - 45.4
b (mm) - 21
r (mm) - 1.3
Kg/m - 0.298

#1138

a (mm) - 53
b (mm) - 10
r (mm) - 1.5
Kg/m - 0.284

#1139

a (mm) - 55.5
b (mm) - 29
r (mm) - 2.0
Kg/m - 0.592

#1140

a (mm) - 65
b (mm) - 25
r (mm) - 1.5
Kg/m - 0.455

#1141

a (mm) - 85
b (mm) - 72
s (mm) - 3.0
Kg/m - 1.813

#1142

a (mm) - 100
b (mm) - 75
r (mm) - 7.0
Kg/m - 4.590

#1143

a (mm) - 104
b (mm) - 80
r (mm) - 5.0
Kg/m - 3.440

#1144

a (mm) - 125
b (mm) - 63
r (mm) - 6.0
Kg/m - 3.882

#1145

a (mm) - 150
b (mm) - 75
r (mm) - 7.0
Kg/m - 5.538

#1146

a (mm) - 160
b (mm) - 100
r (mm) - 7.0
Kg/m - 5.564

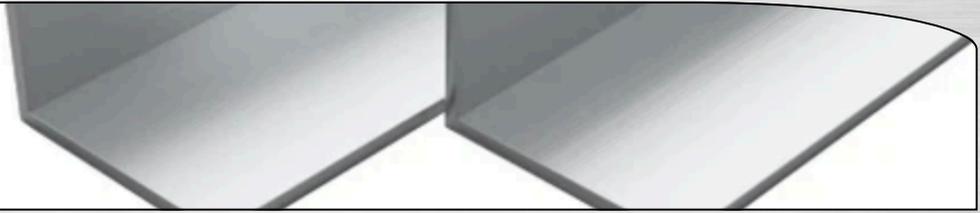
#1147

a (mm) - 170
b (mm) - 100
r (mm) - 7.0
Kg/m - 6.753

#1148

a (mm) - 180
b (mm) - 100
s (mm) - 7.0
Kg/m - 6.943

L - PROFILES



#1200

a (mm) - 20
b (mm) - 10
r (mm) - 1.2
Kg/m - 0.094

#1201

a (mm) - 20
b (mm) - 10
r (mm) - 1.4
Kg/m - 0.108

#1202

a (mm) - 20
b (mm) - 10
r (mm) - 2.0
Kg/m - 0.152

#1203

a (mm) - 20
b (mm) - 15
r (mm) - 2.0
Kg/m - 0.178

#1204

a (mm) - 25
b (mm) - 13
r (mm) - 2.0
Kg/m - 0.195

#1205

a (mm) - 30
b (mm) - 15
r (mm) - 1.0
Kg/m - 0.119

#1206

a (mm) - 30
b (mm) - 20
s (mm) - 1.0
Kg/m - 0.133

#1207

a (mm) - 30
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.260

#1208

a (mm) - 30
b (mm) - 27
r (mm) - 1.8
Kg/m - 0.269

#1209

a (mm) - 35
b (mm) - 18
r (mm) - 2.0
Kg/m - 0.277

#1210

a (mm) - 40
b (mm) - 5
r (mm) - 1.2
Kg/m - 0.142

#1211

a (mm) - 40
b (mm) - 10
r (mm) - 1.2
Kg/m - 0.159

#1212

a (mm) - 40
b (mm) - 20
r (mm) - 1.2
Kg/m - 0.191

#1213

a (mm) - 40
b (mm) - 20
s (mm) - 1.8
Kg/m - 0.284

#1214

a (mm) - 40
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.315

#1215

a (mm) - 45
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.341

#1216

a (mm) - 50
b (mm) - 20
r (mm) - 1.1
Kg/m - 0.205

#1217

a (mm) - 50
b (mm) - 30
r (mm) - 2.0
Kg/m - 0.422

#1218

a (mm) - 50
b (mm) - 30
r (mm) - 4.0
Kg/m - 0.823

#1219

a (mm) - 50
b (mm) - 40
r (mm) - 2.0
Kg/m - 0.477

#1220

a (mm) - 60
b (mm) - 5
s (mm) - 1.4
Kg/m - 0.241

#1221

a (mm) - 60
b (mm) - 20
r (mm) - 1.4
Kg/m - 0.298

#1222

a (mm) - 60
b (mm) - 15
r (mm) - 3.0
Kg/m - 0.585

#1223

a (mm) - 60
b (mm) - 27
r (mm) - 3.0
Kg/m - 0.682

#1224

a (mm) - 60
b (mm) - 35
r (mm) - 5.0
Kg/m - 1.220

#1225

a (mm) - 60
b (mm) - 40
r (mm) - 1.5
Kg/m - 0.400

#1226

a (mm) - 60
b (mm) - 40
r (mm) - 2.0
Kg/m - 0.531

#1227

a (mm) - 60
b (mm) - 40
s (mm) - 3.0
Kg/m - 0.788

#1228

a (mm) - 65
b (mm) - 8
r (mm) - 1.8
Kg/m - 0.347

#1229

a (mm) - 65
b (mm) - 10
r (mm) - 1.5
Kg/m - 0.298

#1230

a (mm) - 75
b (mm) - 50
r (mm) - 6.0
Kg/m - 0.504

#1231

a (mm) - 75
b (mm) - 50
r (mm) - 6.0
Kg/m - 1.934

#1232

a (mm) - 80
b (mm) - 20
r (mm) - 1.2
Kg/m - 0.321

#1233

a (mm) - 80
b (mm) - 20
r (mm) - 1.4
Kg/m - 0.374

#1234

a (mm) - 80
b (mm) - 60
s (mm) - 3.0
Kg/m - 1.114

#1235

a (mm) - 80
b (mm) - 60
r (mm) - 6.0
Kg/m - 2.178

#1236

a (mm) - 85
b (mm) - 30
r (mm) - 1.5
Kg/m - 0.461

#1237

a (mm) - 90
b (mm) - 40
r (mm) - 2.0
Kg/m - 0.693

#1238

a (mm) - 95
b (mm) - 35
r (mm) - 2.0
Kg/m - 0.694

#1239

a (mm) - 100
b (mm) - 20
r (mm) - 1.5
Kg/m - 0.481

#1240

a (mm) - 100
b (mm) - 35
r (mm) - 5.0
Kg/m - 1.761

#1241

a (mm) - 100
b (mm) - 50
s (mm) - 5.0
Kg/m - 1.964

#1242

a (mm) - 100
b (mm) - 80
r (mm) - 6.0
Kg/m - 2.828

#1243

a (mm) - 100
b (mm) - 80
r (mm) - 10
Kg/m - 4.606

#1244

a (mm) - 100
b (mm) - 85
r (mm) - 4.0
Kg/m - 1.961

#1245

a (mm) - 120
b (mm) - 20
r (mm) - 1.5
Kg/m - 0.563

#1246

a (mm) - 120
b (mm) - 40
r (mm) - 5.0
Kg/m - 2.100

#1247

a (mm) - 120
b (mm) - 50
r (mm) - 3.0
Kg/m - 1.357

#1248

a (mm) - 140
b (mm) - 50
s (mm) - 3.0
Kg/m - 1.520

#1249

a (mm) - 140
b (mm) - 75
r (mm) - 5.0
Kg/m - 2.485

#1250

a (mm) - 150
b (mm) - 20
r (mm) - 2.0
Kg/m - 0.911

#1251

a (mm) - 160
b (mm) - 50
r (mm) - 3.0
Kg/m - 1.683

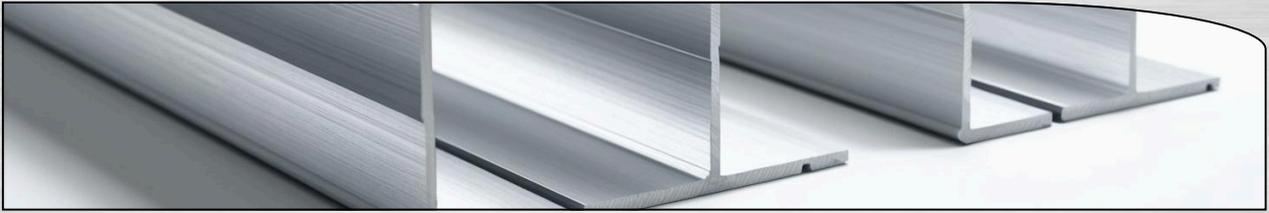
#1252

a (mm) - 180
b (mm) - 95
r (mm) - 10
Kg/m - 7.183

#1253

a (mm) - 200
b (mm) - 150
r (mm) - 10
Kg/m - 9.207

ANGLE



#1300

a (mm) - 15
b (mm) -
s (mm) - 1,3
Kg/m - 0,101

#1301

a (mm) - 15
b (mm) -
s (mm) - 1,5
Kg/m - 0,117

#1302

a (mm) - 20
b (mm) -
s (mm) - 1.0
Kg/m - 0,105

#1303

a (mm) - 20
b (mm) -
s (mm) - 1.1
Kg/m - 0.116

#1304

a (mm) - 20
b (mm) -
s (mm) - 1,2
Kg/m - 0,126

#1305

a (mm) - 20
b (mm) -
r (mm) - 2.0
Kg/m - 0,206

#1306

a (mm) - 25
b (mm) -
s (mm) - 1.0
Kg/m - 0,132

#1307

a (mm) - 25
b (mm) -
r (mm) - 1.2
Kg/m - 0.158

#1308

a (mm) - 25
b (mm) -
r (mm) - 2.0
Kg/m - 0.260

#1309

a (mm) - 25
b (mm) -
r (mm) - 3.0
Kg/m - 0.382

#1310

a (mm) - 30
b (mm) -
r (mm) - 1.1
Kg/m - 0.175

#1311

a (mm) - 30
b (mm) -
r (mm) - 2.0
Kg/m - 0.314

#1312

a (mm) - 30
b (mm) -
r (mm) - 3.0
Kg/m - 0.463

#1313

a (mm) - 30
b (mm) -
s (mm) - 1.2
Kg/m - 0.191

#1314

a (mm) - 40
b (mm) -
r (mm) - 1.2
Kg/m - 0.256

#1315

a (mm) - 40
b (mm) -
r (mm) - 1.5
Kg/m - 0.318

#1316

a (mm) - 40
b (mm) -
r (mm) - 2.0
Kg/m - 0.422

#1317

a (mm) - 40
b (mm) -
r (mm) - 2.7
Kg/m - 0.566

#1318

a (mm) - 40
b (mm) -
r (mm) - 3.0
Kg/m - 0.625

#1319

a (mm) - 40
b (mm) -
r (mm) - 4.0
Kg/m - 0.824

#1320

a (mm) - 50
b (mm) -
s (mm) - 1.5
Kg/m - 0.400

#1321

a (mm) - 50
b (mm) -
r (mm) - 2.0
Kg/m - 0.531

#1322

a (mm) - 50
b (mm) -
r (mm) - 3.0
Kg/m - 0.788

#1323

a (mm) - 50
b (mm) -
r (mm) - 5.0
Kg/m - 1.287

#1324

a (mm) - 50
b (mm) -
r (mm) - 6.35
Kg/m - 1.611

#1325

a (mm) - 60
b (mm) -
r (mm) - 1.5
Kg/m - 0.482

#1326

a (mm) - 60
b (mm) -
r (mm) - 2.0
Kg/m - 0.639

#1327

a (mm) - 75
b (mm) -
s (mm) - 5.0
Kg/m - 1.964

#1328

a (mm) - 75
b (mm) -
r (mm) - 8.0
Kg/m - 3.078

#1329

a (mm) - 80
b (mm) -
r (mm) - 1.5
Kg/m - 0.644

#1330

a (mm) - 80
b (mm) -
r (mm) - 8.0
Kg/m - 3.294

#1331

a (mm) - 90
b (mm) -
r (mm) - 15
Kg/m - 6.696

S Q U A R E B A R



#1400

a (mm) - 4.8
b (mm) -
r (mm) - 0.3
Kg/m - 0.062

#1401

a (mm) - 7.5
b (mm) -
r (mm) - 0.3
Kg/m - 0.153

#1402

a (mm) - 8.2
b (mm) -
r (mm) - 0.3
Kg/m - 0.182

#1403

a (mm) - 10
b (mm) -
r (mm) - 0.6
Kg/m - 0.270

#1404

a (mm) - 14
b (mm) -
r (mm) - 1.0
Kg/m - 0.529

#1405

a (mm) - 15
b (mm) -
r (mm) - 0.5
Kg/m - 0.609

#1406

a (mm) - 16
b (mm) -
s (mm) - 1.0
Kg/m - 0.691

#1407

a (mm) - 20
b (mm) -
r (mm) - 0.5
Kg/m - 1.084

#1408

a (mm) - 30
b (mm) -
r (mm) - 1.0
Kg/m - 2.440

#1409

a (mm) - 35
b (mm) -
r (mm) - 1.0
Kg/m - 3.320

#1410

a (mm) - 40
b (mm) -
r (mm) - 1.0
Kg/m - 4.334

#1411

a (mm) - 50
b (mm) -
r (mm) - 1.0
Kg/m - 6.772

#1412

a (mm) - 71
b (mm) -
r (mm) - 1.0
Kg/m - 13.659

#1413

a (mm) - 80
b (mm) -
s (mm) - 1.0
Kg/m - 17.342

ROUND BAR



#1500

D (mm) - 6
b (mm) -
r (mm) -
Kg/m - 0.077

#1501

D (mm) - 8
b (mm) -
r (mm) -
Kg/m - 0.136

#1502

D (mm) - 9.8
b (mm) -
r (mm) -
Kg/m - 0.204

#1503

D (mm) - 10
b (mm) -
r (mm) -
Kg/m - 0.212

#1504

D (mm) - 14
b (mm) -
r (mm) -
Kg/m - 0.417

#1505

D (mm) - 16
b (mm) -
r (mm) -
Kg/m - 0.545

#1506

D (mm) - 18
b (mm) -
s (mm) -
Kg/m - 0.689

#1507

D (mm) - 19.9
b (mm) -
r (mm) -
Kg/m - 0.842

#1508

D (mm) - 21
b (mm) -
r (mm) -
Kg/m - 0.938

#1509

D (mm) - 22
b (mm) -
r (mm) -
Kg/m - 1.030

#1510

D (mm) - 24
b (mm) -
r (mm) -
Kg/m - 1.228

#1511

D (mm) - 25
b (mm) -
r (mm) -
Kg/m - 1.331

#1512

D (mm) - 26
b (mm) -
r (mm) -
Kg/m - 1.439

#1513

D (mm) - 30
b (mm) -
s (mm) -
Kg/m - 1.916

#1514

D (mm) - 35
b (mm) -
r (mm) -
Kg/m - 2.607

#1515

D (mm) - 40
b (mm) -
r (mm) -
Kg/m - 3.405

#1516

D (mm) - 40.5
b (mm) -
r (mm) -
Kg/m - 3.491

#1517

D (mm) - 45
b (mm) -
r (mm) -
Kg/m - 4.310

#1518

D (mm) - 50.2
b (mm) -
r (mm) -
Kg/m - 5.364

#1519

D (mm) - 55.5
b (mm) -
r (mm) -
Kg/m - 6.556

#1520

D (mm) - 60
b (mm) -
s (mm) -
Kg/m - 7.662

#1521

D (mm) - 66
b (mm) -
r (mm) -
Kg/m - 9.271

#1522

D (mm) - 68
b (mm) -
r (mm) -
Kg/m - 9.842

#1523

D (mm) - 70
b (mm) -
r (mm) -
Kg/m - 10.430

#1524

D (mm) - 80
b (mm) -
r (mm) -
Kg/m - 13.621

#1525

D (mm) - 85
b (mm) -
r (mm) -
Kg/m - 15.378

#1526

D (mm) - 100
b (mm) -
r (mm) -
Kg/m - 21.285



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