

Extrusion Ingot - Soft alloys Alloys and Dimensions

Our standard alloys

Alloy	Standard Strength level* (DIN)	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others	
										Each	Total
107070	-	0.05-0.08	0.17-0.23	0.01	0.01	0.01		0.02	0.02	0.02	0.10
137070	-	0.05-0.08	0.17-0.23	0.01	0.005	0.01		0.02	0.003	0.02	0.10
300370	-	0.17-0.22	0.53-0.63	0.06-0.10	1.10-1.25	0.02		0.03	0.02	0.02	0.10
606015	F19	0.36-0.40	0.17-0.23	0.03	0.03	0.40-0.45	0.02	0.03	0.02	0.02	0.10
606020	F20	0.36-0.40	0.17-0.23	0.03	0.03	0.45-0.50	0.02	0.03	0.02	0.02	0.10
606035	F22	0.40-0.45	0.18-0.23	0.03	0.03	0.45-0.50	0.02	0.03	0.02	0.02	0.10
606090	F25	0.50-0.55	0.18-0.23	0.03	0.03	0.50-0.55	0.02	0.03	0.02	0.02	0.10
610640	F26	0.45-0.50	0.18-0.23	0.10-0.15	0.08-0.14	0.50-0.53	0.02	0.05	0.02	0.03	0.10
600540	F27	0.58-0.63	0.18-0.23	0.10-0.20	0.12-0.20	0.53-0.58	0.08	0.03	0.02	0.02	0.10
608250	F31	0.95-1.05	0.15-0.25	0.03	0.50-0.57	0.63-0.70		0.03	0.02	0.02	0.10



**After ageing for 5 hours at 185°C*

Hydro has developed a range of standard alloys that cover all strength levels. Other alloys are available and alloys for special purposes may exist. Availability to be clarified with local sales offices.

Diameters and dimensions

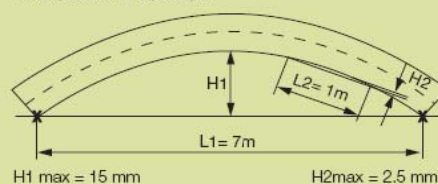
Diameter mm	Tolerances ¹ mm
152 ²	+0/-2 and +1/-0
178	+0/-2
192	+0/-2
203	+0/-2
215	+0/-2
228	+0/-2, +/-1 and +2/-1
247	+0/-2 and +/-1
254	+0/-2
272	+0/-2
279	+0/-2
305	+0/-2
317	+0/-3
331	+0/-3
348 ²	+0/-3
382 ²	+0/-3
405 ²	+0/-3

Available lengths³
short lengths: 400-1600 mm
long lengths: 3500 and 7000 mm

Length tolerances
short lengths: 400-1600 mm, tolerance: +/-3 mm
long lengths: 3500 and 7000 mm, tolerance: +/-6 mm

Straightness
Max curvature local: 2.5 mm/m
Max curvature global: 15 mm on total length (7 m)

Measurement of curvature:



Squareness
Sawn ends to be squared to 90° ± 0.5°



¹ The tolerances given are valid for 6xxx alloys.

² Availability is subject to mutual agreements.

³ Certain lengths are not available in all diameters. Availability to be clarified with local sales offices.