



Scana Steel Björneborg – Ingots

Scana Steel Björneborg produces steel in the company's own steelwork. 150 different steel grades up to 12 % alloy content can be produced. The sizes of ingots vary from a few tonnes up to 75 tonnes.

Steel Grades – Scana Steel Björneborg

Carbon Steels		
TYPE		Alloying elements in different combinations
Low carbon mild steel Carbon Steel Carbon-manganese steel		- C, C-Al/Nb/V C-Mn, C-Mn-Al/Nb/V
TYPICAL STEEL GRADES/STANDARDS		
S355J2GR / EN 10250-2 C45 / EN 10250-2 20Mn5 / EN 10250-2 1045 / ASTM A 29		
Low alloy Steels		
TYPE		Alloying elements in different combinations
Cr-Mo steel Cr-Ni-Mo steel Ni-Cr-Mo steel		Cr 0.50-6.00 Ni 0.50-4.00 Mo 0.25-1.50
TYPICAL STEEL GRADES/STANDARDS		
42CrMo4 / EN 10250-3 F22 / ASTM A 182 100Cr6 / EN ISO 683-17	34CrNiMo6 / EN 10250-3 8630 / ASTM A 29 W nr 1.2738 / Plastic mould steel	26NiCrMoV145 / SEW 555 CrNiMo7-6 / EN 10084 W nr 1.2343 / Hot work tool Steel

Ingot data

Ingot type	Ingot shape Polygonal	Diameter (average mm)	Length (mm)	Weighths (ton)
97	8	970	1210-1520	8-10
106	8	1060	1390-1730	11-14
120	12	1200	1560-1940	15-19
128	12	1280	1820-2225	20-26
133	12	1300	1720-2260	23-29
142	12	1410	1830-2285	26-34
156	12	1550	2100-2350	25-40
170	12	1700	2200-2600	45-54
180	12	1790	1900-2600	47-64
194	12	1940	1800-2500	52-70
215	12	2150	2040	74

Ingot type	Ingot shape	Diameter (mm)	Length (mm)	Weights (ton)
R80	Round	800	4200	15,2
R105	Round	1050	4200	26

Ingot type	Ingot shape Squares	Cross section (average mm)		Length (mm)	Weights (ton)
		Bottom	Top		
S74	4	662x652	783x683	1065	4
S76	4	616x522	778x678	1665	6
S84	4	684x558	825x699	1055	4

