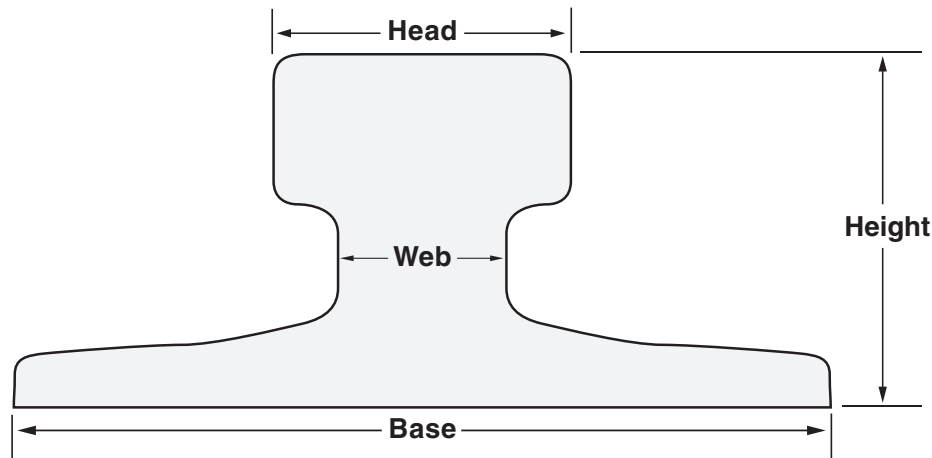


EUROPEAN CRANE RAIL



European Crane Rails have a very wide base, low center of gravity and thick web. This makes them ideal for supporting strong lateral forces. They are available in various section profiles from A45 to A150. The number refers to the width of the head in millimeters. Thus an A150 crane rail has a head width of 150 millimeters. These crane rails are manufactured in accordance with European technical specification DIN 536 and are available in three grades. The standard grade, S700, is the one most commonly ordered, but two higher grades are also available. See table below for minimum tensile strength for each grade. The strength and hardness of the S1100 grade is achieved by using a chrome-vanadium alloy steel.



Tensile Strength:	S700 Grade	690 N/mm ²	202 BHN
	S900A Grade	880 N/mm ²	261 BHN
	S1100 Grade	1080 N/mm ²	320 BHN
Standard Lengths:	10 Meters		
	12 Meters (most common)		
	15 Meters		
Rails are supplied with blank ends (no holes). All joints must be welded.			

Section	Weight		Head		Height		Base		Web		Area	Moment of Inertia	Section Modulus	
	kg/m	lbs/yd	mm	inch	mm	inch	mm	inch	mm	inch			cm ²	cm ⁴
											cm ³	cm ³		
A45	22.10	44.55	45.00	1.77	55.00	2.17	125.00	4.92	24.00	0.94	28.20	90.00	41.50	27.00
A55	31.80	64.11	55.00	2.17	65.00	2.56	150.00	5.91	31.00	1.22	40.50	178.00	68.80	45.60
A65	43.10	86.88	65.00	2.56	75.00	2.95	175.00	6.89	38.00	1.50	54.90	319.00	105.40	71.30
A75	56.20	113.29	75.00	2.95	85.00	3.35	200.00	7.87	45.00	1.77	71.60	531.00	153.60	105.30
A100	74.30	149.78	100.00	3.94	95.00	3.74	200.00	7.87	60.00	2.36	94.70	856.00	203.40	161.80
A120	100.00	201.59	120.00	4.72	105.00	4.13	220.00	8.66	72.00	2.83	127.40	1361.00	289.10	235.00
A150	150.30	302.99	150.00	5.91	150.00	5.91	220.00	8.66	80.00	3.15	191.40	4373.00	601.50	565.70