

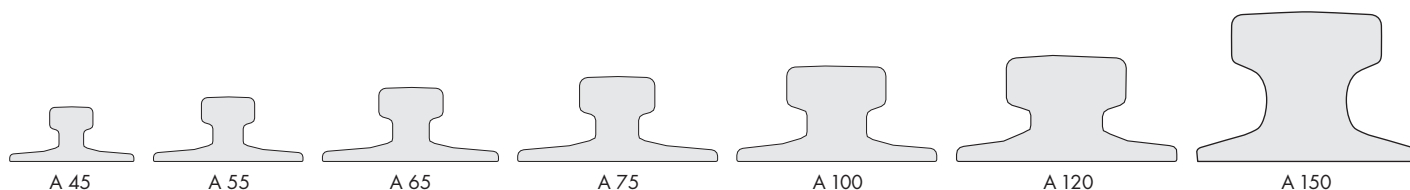
Crane Rails

Steel Qualities

DIN crane rails follow the European specifications with tensile strength ranging from 680 up to 1080 N/mm². The American profiles are produced according to ASTM standards and may be on-line heat treated, resulting in improved physical properties.

European Profiles

These profiles are produced according to the European DIN 536-specifications and range in tensile strength from 690 to 1080 N/mm². On request special qualities may be rolled for particular projects.



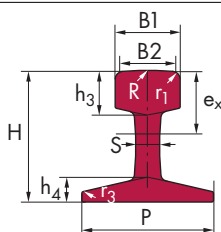
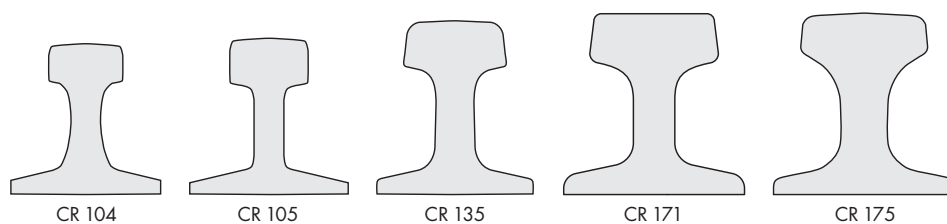
Designation	Weight		B	S	P	H	R	h ₁	h ₂	r ₁	r ₃	e _x
	kg/m	lbs/yd	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
A 45	22,1	44,55	45	24	125	55	400	20	8	4	4	33,2
A 55	31,8	64,11	55	31	150	65	400	25	9	5	5	39
A 65	43,1	86,89	65	38	175	75	400	30	10	6	5	44,6
A 75	56,2	113,29	75	45	200	85	500	35	11	8	6	50,4
A 100	74,3	149,78	100	60	200	95	500	40	12	10	6	52,9
A 120	100	201,59	120	72	220	105	600	47,5	14	10	6	57,9
A 150	150,3	302,99	150	80	220	150	800	50	14	10	6	77,3



European Profiles

American Profiles

These profiles are produced in accordance with the American specifications for carbon steel crane rails; on line head hardening can be operated resulting in higher wear resistance.



Designation	Weight		B1		B2		S		P		H		h ₃	h ₄	R	r ₁	r ₃	e _x
	kg/m	lbs/yd	mm	in	mm	in	mm	in	mm	in	mm	in	in	in	in	in	in	in
CR 104	51,59	104	63,5	2 ^{1/2}	63,5	2 ^{1/2}	25,4	1	127	5	127	5	1 ^{1/2}	1 ^{1/16}	12	5/16	1/16	2,79
CR 105	52,09	105	65,1	2 ^{9/16}	65,1	2 ^{9/16}	23,8	15/16	131,8	5 ^{3/16}	131,8	5 ^{3/16}	1 ^{25/32}	1	12	5/16	1/16	2,78
CR 135	66,97	135	87,3	3 ^{7/16}	76,2	3	31,8	1 ^{1/4}	131,8	5 ^{3/16}	146	5 ^{3/4}	1 ^{7/8}	1 ^{1/16}	14	7/16	1/8	2,94
CR 171	84,83	171	109,2	4,3	101,6	4	31,8	1 ^{1/4}	152,4	6	152,4	6	2	1 ^{1/4}	∞	1/4-3/8	1/2	3,00
CR 175	86,8	175	108,0	4 ^{1/4}	102,4	4 ^{1/32}	38,1	1 ^{1/2}	152,4	6	152,4	6	1 ^{3/4}	1 ^{9/64}	18	7/16	5/16	3,34



American Profiles