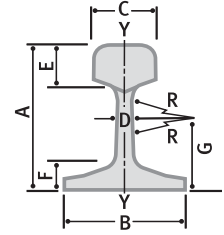


16. Railway Rails 철도레일



Dimensions and Sectional Properties 치수 및 단면성능

KS R 9106

항목 Items	규격 Specifications	KS, JIS								AREA						BS		UIC		INI		
		30A	37A	*40N	*50PS	50N	60	60K	70s	*90lbs	*100lbs	*115lbs	*119lbs	*132lbs	*136lbs	*75A	*90A	*54A	60	73		
표준 단면치수 Standard Sectional Dimension	A	mm	107.96	122.24	140.0	144.46	153.0	174.0	174.0	148	-	-	-	-	-	-	128.59	142.88	159	172	135.0	
		in	-	-	-	-	-	-	-	-	5-5/8	6	6-5/8	6-13/16	7-1/8	-5/16	5-1/16	5-5/8	-	-	-	
	B	mm	107.95	122.24	122.0	127.0	127.0	145.0	145.0	140	-	-	-	-	-	-	114.3	127.0	140	150	140.0	
		in	-	-	-	-	-	-	-	-	5-1/8	5-3/8	5-1/2	5-1/2	6	6	4-1/2	5	-	-	-	
	C	mm	60.33	62.71	64.0	67.87	65.0	65.0	65.0	65.3	-	-	-	-	-	-	61.91	66.67	70	74.3	100	
		in	-	-	-	-	-	-	-	-	2-9/16	2-11/16	2-23/32	2-21/32	3	2-15/16	2-7/16	2-5/8	-	-	-	
	D	mm	12.3	13.49	14.0	14.29	15.0	16.5	16.5	16.5	-	-	-	-	-	-	12.7	13.89	16	16.5	32.0	
		in	-	-	-	-	-	-	-	-	9/16	9/16	5/8	5/8	25/32	11/16	1/2	35/64	-	-	-	
	E	mm	30.95	36.12	41.0	46.04	49.0	49.0	49.0	35	-	-	-	-	-	-	42.07	46.04	49.4	51	43.0	
		in	-	-	-	-	-	-	-	-	1-15/32	1-21/32	1-11/16	1-7/8	1-3/4	1-15/16	1-21/32	1-13/16	-	-	-	
	F	mm	19.45	21.43	25.5	27.78	30.0	30.1	30.1	52	-	-	-	-	-	-	23.81	26.19	30.2	31.5	26.5	
		in	-	-	-	-	-	-	-	-	1	1-1/16	1-1/18	1-1/8	1-3/16	1-3/16	15/16	1-1/32	-	-	-	
	G	mm	48.22	53.78	70.0	63.1	76.0	61.8	61.8	28	-	-	-	-	-	-	64.29	71.44	74.97	-	100	
		in	-	-	-	-	-	-	-	-	2-29/32	1-31/32	3-1/4	3-1/8	3-7/8	3-7/8	2-17/32	2-13/16	-	-	-	
	R	mm	304.8	304.8	500.0	254.0	500.0	500.0	500.0	-	-	-	-	-	-	-	508.0	508.0	508.0	120	93.38	
		in	-	-	-	-	-	-	-	-	14	14	14	14	16	20	20	20	-	-	-	
	단면적 Sectional Area	S	cm ²	38.26	47.3	52.0	64.3	64.2	77.5	77.3	88.5	-	-	-	-	-	-	47.74	57.35	69.34	76.86	73.3
			in ²	-	-	-	-	-	-	-	-	8.82	9.95	11.25	11.65	12.95	13.35	7.40	8.89	-	-	-
단위무게 Unit Weight	W	kg/m	30.1	37.2	40.9	50.4	50.4	60.8	60.7	69.5	44.64	50.35	56.90	58.93	65.53	67.56	37.48	45.05	54.43	60.34	66.9	
		1b/yd	-	-	-	-	-	-	-	-	90.0	101.5	114.7	118.8	132.2	136.2	75.55	90.76	-	-	-	
중심축의 거리 Distance from Rail Base to Neutral Axis	Yd	mm	52.07	58.4	68.9	66.9	71.6	77.8	77.6	62.22	-	-	-	-	-	-	63.82	69.97	76.2	80.95	62.22	
		in	-	-	-	-	-	-	-	-	2.54	2.75	2.98	3.12	3.20	3.347	2.51	2.76	-	-	-	
단면2차모멘트 Moment of inertia	J	cm ⁴	606	952	1,360	1,740	1,960	3,090	3,064	2,120	-	-	-	-	-	-	1,049	1,564	2,346	3,055	2,000	
		in ⁴	-	-	-	-	-	-	-	-	38.7	49.0	65.5	71.4	88.2	94.9	-	-	-	-	-	
단면계수 Modulus of Section	Z	cm ³	116	164	197	261	274	397	395	340.8	-	-	-	-	-	-	16.18	214.8	313.0	377.0	299	
		in ³	-	-	-	-	-	-	-	-	15.2	17.8	22.0	22.9	27.6	28.3	-	-	-	-	-	

Note : * 는 별도주문판매 (These sizes indicated by an asterisk(*) are not included in regular rolling schedules.)