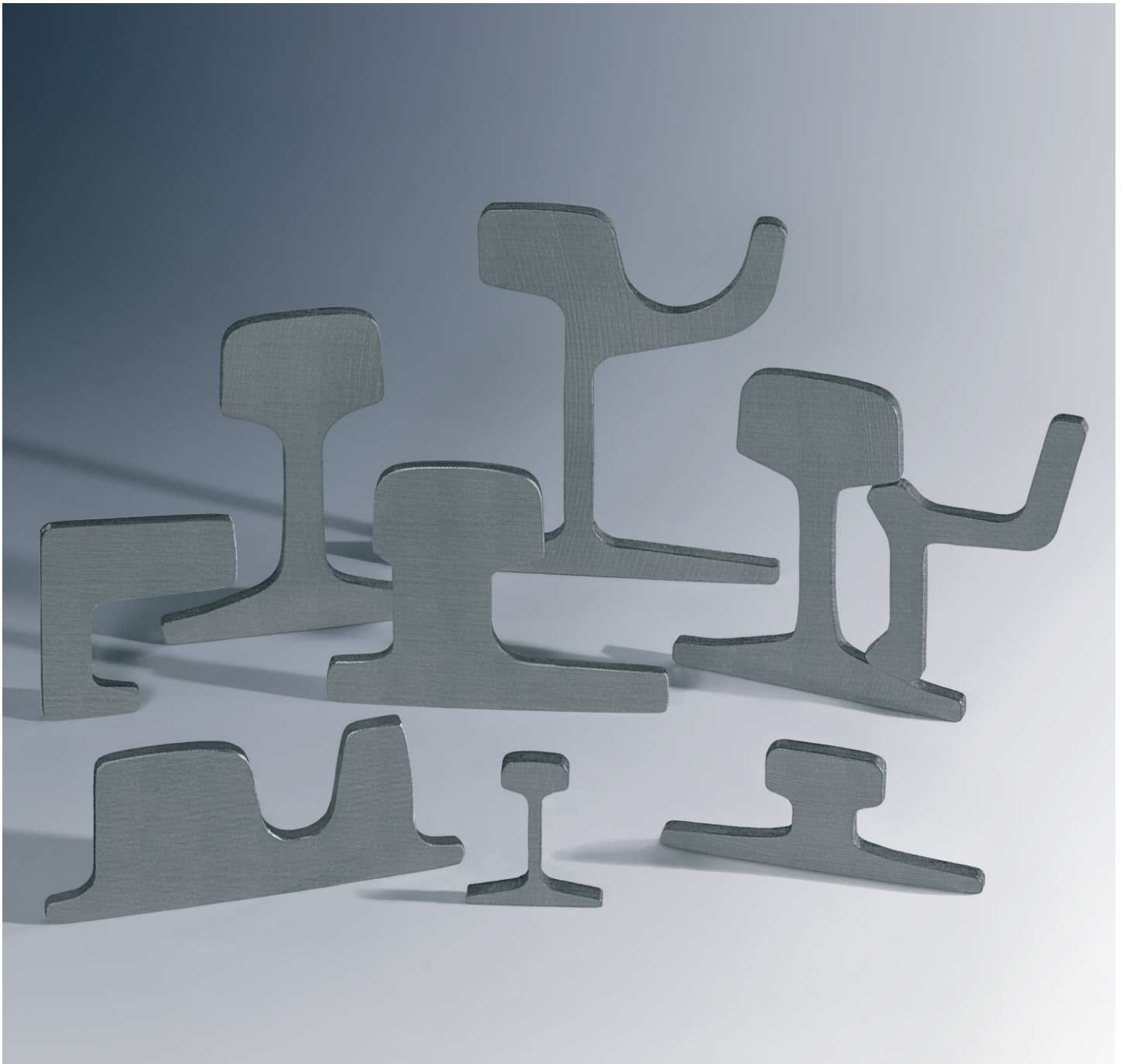




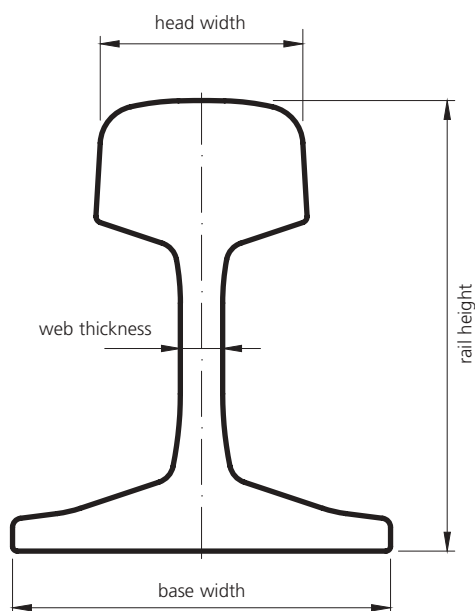
Rails

and special profiles





LIGHT RAILS AND VIGNOLE RAILS IN STANDARD LENGTHS



rail section	stock length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
S 7	5/6	540	65	50	25	5	7
S 10	6/8/10/12	540	70	58	32	6	10
S 14	6/8/10/12	690	80	70	38	9	14
S 18	6/8/10/12	540/690	93	82	43	10	18,30
S 20	6/8/10/12	690	100	82	44	10	19,84
S 24	8/12	690	115	90	53	10	24,43
S 30	12/15	690	108	108	60,30	12,30	30,03
33 E1	12/15	680	134	105	58	11	33,47
S 41 A	12/15	690/880	138	125	67	12	41,24
ASCE 85 (GX 42)	12/15	835	131,76	131,76	65,09	14,16	42,16
49 E1	12/15/18/30	880	149	125	67	14	49,39
49 E5	12/15/18/30	880	149	125	67	14	49,13
54 E4	12/15/18/30	880	154	125	67	16	54,31
60 E1	12/15/18/30	880	172	150	72	16,50	60,21
60 E2	12/15/18/30	880	172	150	72	16,50	60,03
54 E1	12/15/18	880	159	140	70	16	54,77
R 65	12/15	880	180	150	73	18	64,86

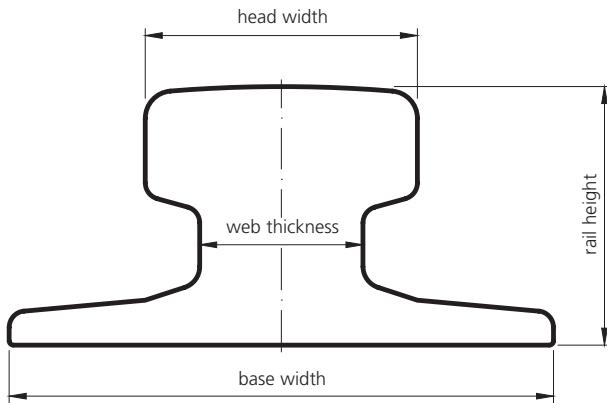
Standards

- Production and supply within European Standards and/or extra specification through works production

Special grades

- on request

NEW CRANE RAILS IN STANDARD LENGTHS



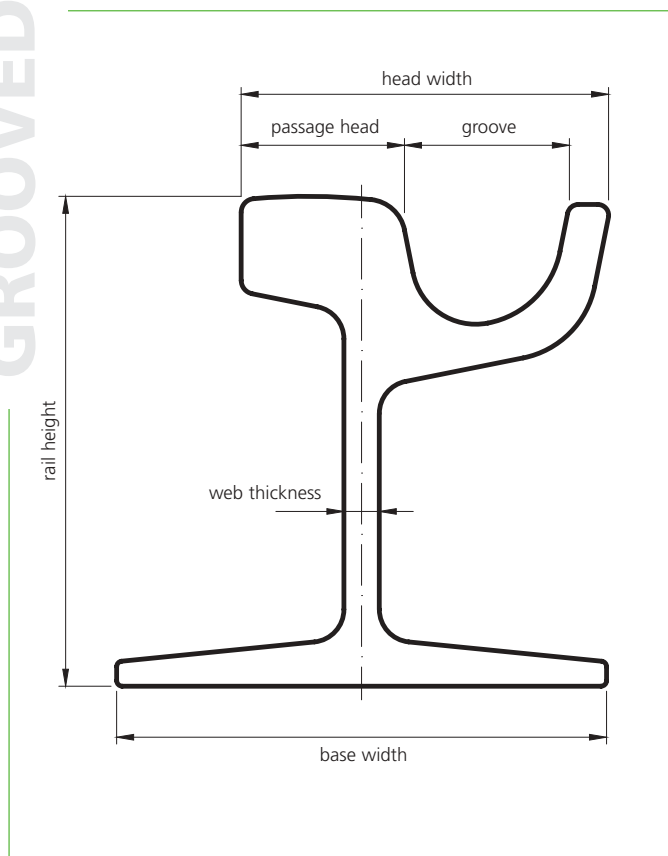
rail section	stock length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
A 45	10/12/15	690/880	55	125	45	24	22,10
A 55	10/12/15	690/880	65	150	55	31	31,80
A 65	10/12/15	690/880	75	175	65	38	43,10
A 75	10/12/15	690/880	85	200	75	45	56,20
A 100	10/12/15	690/880	95	200	100	60	74,30
A 120	10/12/15	690/880	105	220	120	72	100
A 150	12/15	690/880	150	220	150	80	150,30
MRS 87A (PRI 85)	12/15	690/880	152,40	152,40	101,60	34,93	86,80
MRS 125	12/15	690/880	180	180	120	40	125
MRS 221	12/15	690/880	160	220	220	145	221,40
SP 100	12/15	690/880	150	150	100	38	89,05
SP 120	12/15	690/880	170	170	120	44	118,28

American standards

rail section	stock length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
CR 104 (MRS 51)	12/15	690/880	127	127	63,50	25,40	51,59
CR 105 (MRS 52)	12/15	690/880	131,80	131,80	65,10	23,80	52,09
CR 135 (MRS 67)	12/15	690/880	146	131,80	87,30	31,80	66,97
CR 171 (MRS 85)	12/15	690/880	152,40	152,40	109,20	31,80	84,83
CR 175 (MRS 87B)	12/15	690/880	152,40	152,40	108	38,10	86,80

Standards • Production and supply within European Standards and/or extra specification through works production

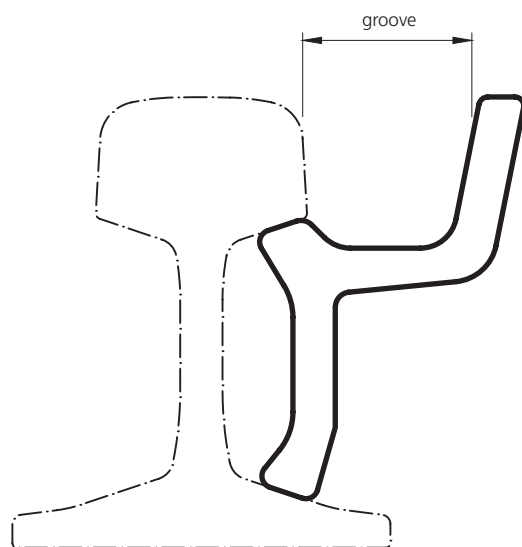
Special grades • on request

NEW GROOVED RAILS IN STANDARD LENGTHS


rail section	stock length	min. tensile strength	rail height	base width	head width	passage head	groove width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	mm	mm	kg/m
57 R1	12/15/18	680/880	182	150	127	51,92	60,46	12	56,54
67 R1	12/15/18	680/880	180	180	135	60,03	58,66	12	66,76
59 R2	12/15/18	680/780/880	180	180	113	55,83	42,35	12	58,20
60 R1	12/15/18	680/780/880	180	180	113	56	36	12	60,59
60 R2	12/15/18	680/780/880	180	180	113	55,83	36,35	12	59,75
54 R2	12/15/18	680/780/880	152,50	141,50	115,60	56,20	41	13	54,26
Ri55NK	12/15/18	680/780/880	150	150	113	56	36	12	55,45

Standards • Production and supply within European Standards and/or extra specification through works production

Special grades • on request


SPECIAL GROOVED SECTION „SPURRILLENSCHIENEN“


for rail section		max. rail length	weight / m
41 E1	with 53,7 mm width of groove	15 m	22,30
49 E1 / E5	with 56,0 mm width of groove	15 m	22,30
54 E3 / E4	with 56,5 mm width of groove	15 m	22,30
54 E1	with 56,0 mm width of groove	15 m	21,50
60 E1 / E2	with 56,0 mm width of groove	15 m	22,30
R 65	with 56,0 mm width of groove	15 m	21,70

machined special grooved section „Spurrillenschienen“		max. rail length	weight / m
49 E1 / E5	with 45,0 mm width of groove	15 m	21,90
NP 46 / 46 E3	with 53,0 mm width of groove	15 m	21,60

The Special grooved section „Spurrillenschienen“ brand „Krug“ to be used to separate flat bottom rails from asphalt, concrete and pavement at operating yards, workshop areas and cross overs.

Machining • cutting of length • drilling of fastening holes • opening of groove at one end

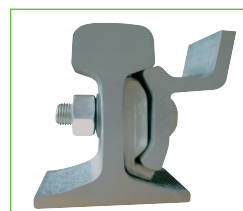
Recommended fastening distance • 1000 mm

Fastening sets for special grooved section „Spurrillenschienen“

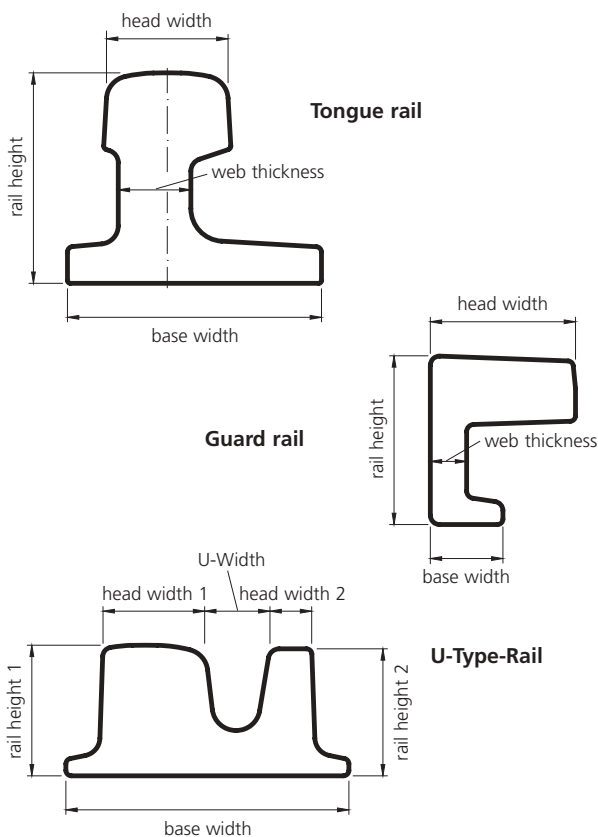
- bolt M 22 x 90 mm with nut and special washer
- bolt M 22 x 100 mm with nut, special washer and distance holder
- bolt M 22 x 110 mm with nut, special washer and countershaft pulley

Special fastening sets

If required also for both sides mounting.



RAIL SECTIONS FOR CROSSINGS AND TURNOUTS



Tongue rails

rail section	standard length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
49 E1 A1	on request	880/1080	116	140	67	40	63,14
49 E1 A3	on request	880/1080	116	145	66,80	40	63,18
54 E1 A1	on request	880/1080	129	147	70	40	68,95
54 E1 A2	on request	880/1080	121	140	67	40	65,82
54 E1 A4	on request	880/1080	129	145	69,98	32,50	68,74
60 E1 A1	on request	880/1080	134	140	72	44	72,97
60 E1 T2	on request	880/1080	172	150	72	40	74,24
60 E1 A4	on request	880/1080	142	150	71,91	32,50	69,83

Guard rails

rail section	standard length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
33 C1 (RI1-60)	on request	880/1080	93	40	80	20	32,99
48 C1 (RI1-54)	on request	880/1080	199	75	22	20	48,31

U-Type-Rails

rail section	standard length	min. tensile strength	rail height	base width	head width	web thickness	weight
	m	N/mm ²	mm	mm	mm	mm	kg/m
LK 1	bis 18 m	690/880	70/72	156	56/23	36	57,68

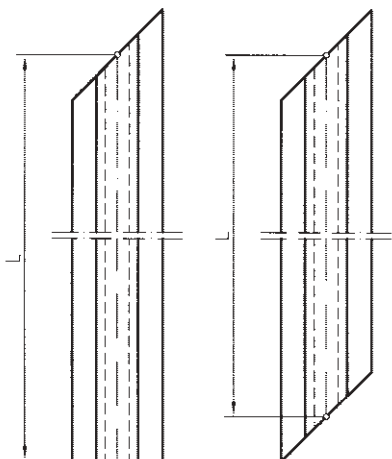
Standards • Production and supply within European Standards and/or extra specification through works production

Special grades • on request

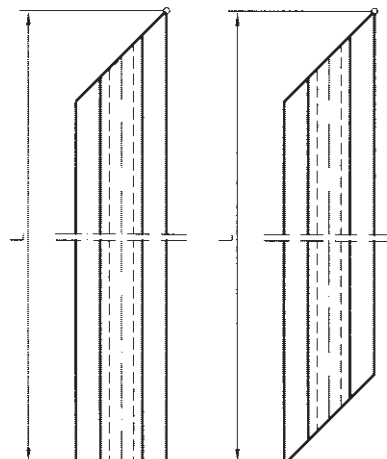
CUTTINGS ON RAILS

1. Definition of length

measured at
centre of rail head



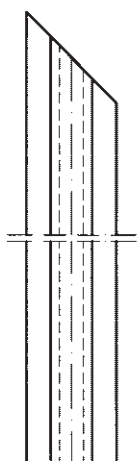
measured
point to point



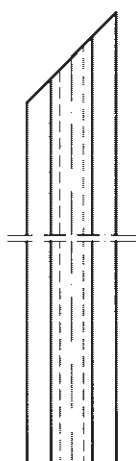
2. Direction of cut

view from centre of rail to the end

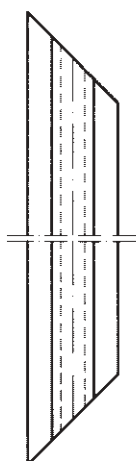
version a)
„point left“



version b)
„point right“

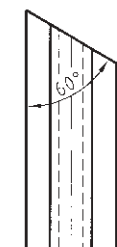


version c)

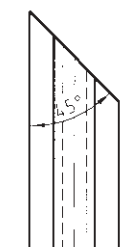


3. Definition of angle

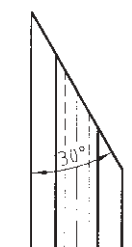
60°



45°



30°



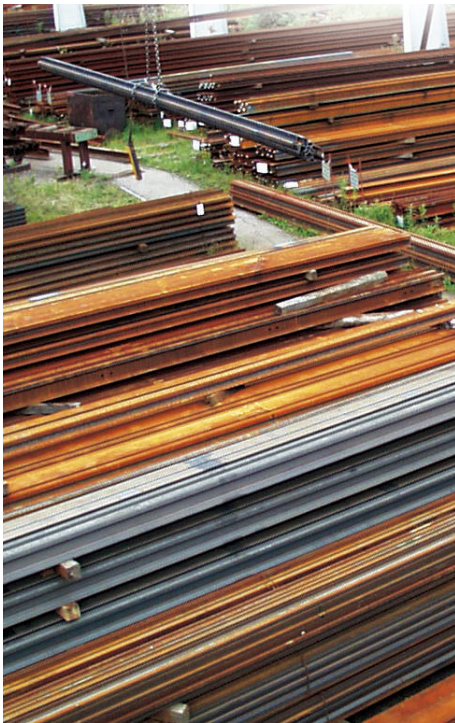
Important notice for the diagonal cutting of rails

The rails must be measured at the centerline of top side: => **L = usable length**

Please state the usable lengths and the direction of cuts in all your inquiries as well as purchase orders.

On request

- rectangular cuts
- 45° mitre cuts
- drilling of holes



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