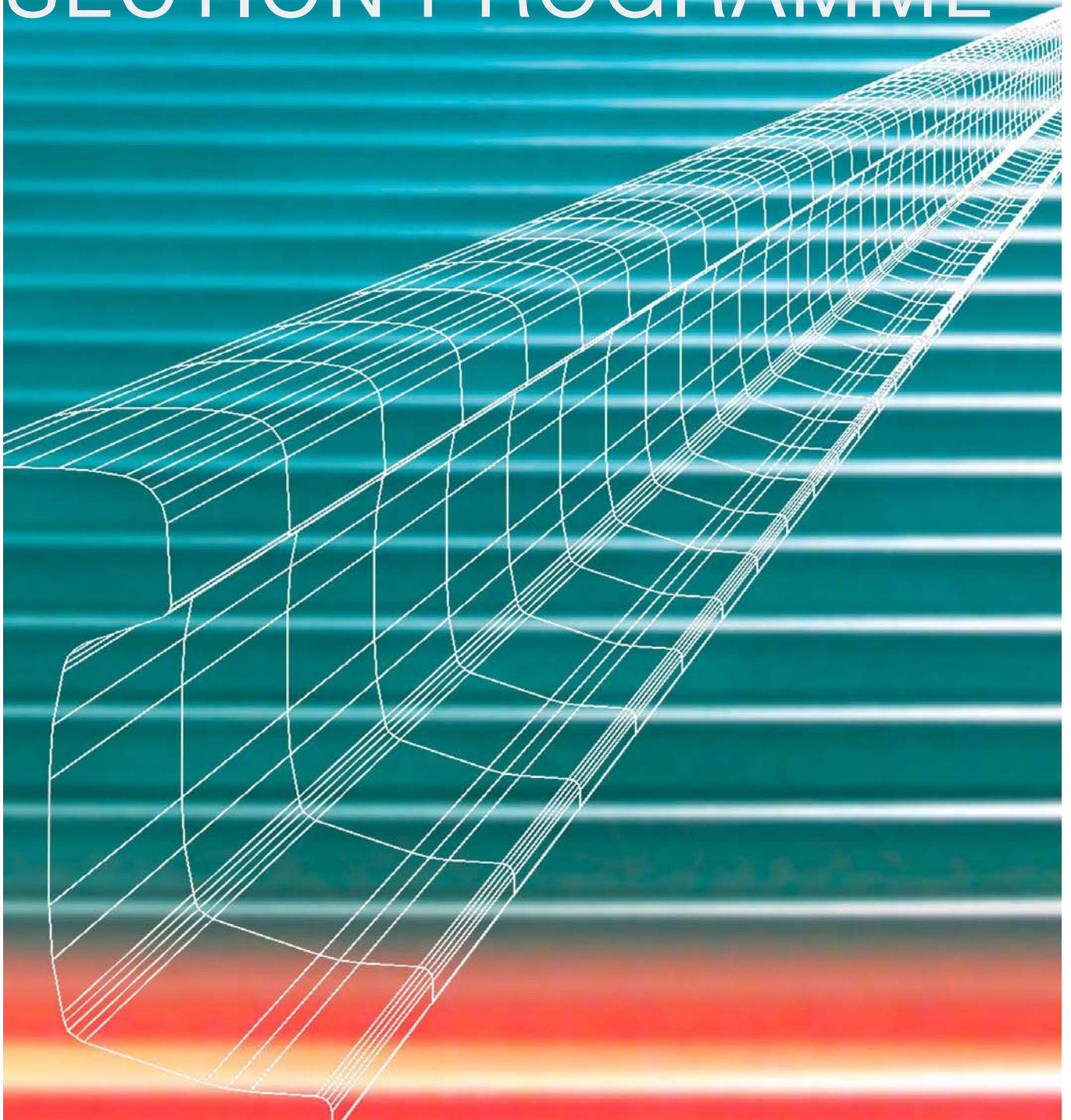


PROFILE PROGRAMM SECTION PROGRAMME



voestalpine
SCHIENEN GMBH

ÜBERSICHT / OVERVIEW

VORWORT

VIGNOLSCHIENEN

RILLENSCHIENEN

KRANSCHIENEN

ZUNGENSCHIENEN

RADLENKER

VOLLSCHIENEN

STROMSCHIENEN

STAHLSCHWELLEN

RIPPENPLATTEN

FOREWORD

FLAT BOTTOM RAILS

GROOVED RAILS

CRANE RAILS

TONGUE RAILS

GUARD RAILS

FULL WEB RAILS

CONDUCTOR RAILS

STEEL SLEEPERS

RIBBED BASE PLATES



VORWORT / FOREWORD

Im vorliegenden Profile-Katalog der **voestalpine** Schienen GmbH finden Sie das aktuelle Lieferprogramm für Schienen und Oberbau-Profile.

Alle Profile sind mit Nennmaßen dargestellt. Dazugehörige Erzeugungstoleranzen variieren nach Kundenwunsch und technischen Normen.

Für genaue Information steht Ihnen die **voestalpine** Schienen GmbH gerne zur Verfügung.

Die dargestellten Maßstäbe dienen ausschließlich zur Orientierung.

Wir hoffen, dass dieser Profil-Katalog für Sie eine nützliche Arbeitshilfe darstellt und wir freuen uns auf Ihre Anfrage.

In this profile catalogue of **voestalpine** Schienen GmbH you will find the latest supply programme for rails and rail head profiles.

All profiles are shown with standard measurements. The relevant manufacturing tolerances vary according to the wishes of the customer and technical standards.

For more detailed information please contact us directly at the **voestalpine** Schienen GmbH.

The above scales are a guide only.

We sincerely hope this profile catalogue will prove of assistance and we look forward to receive your inquiries.

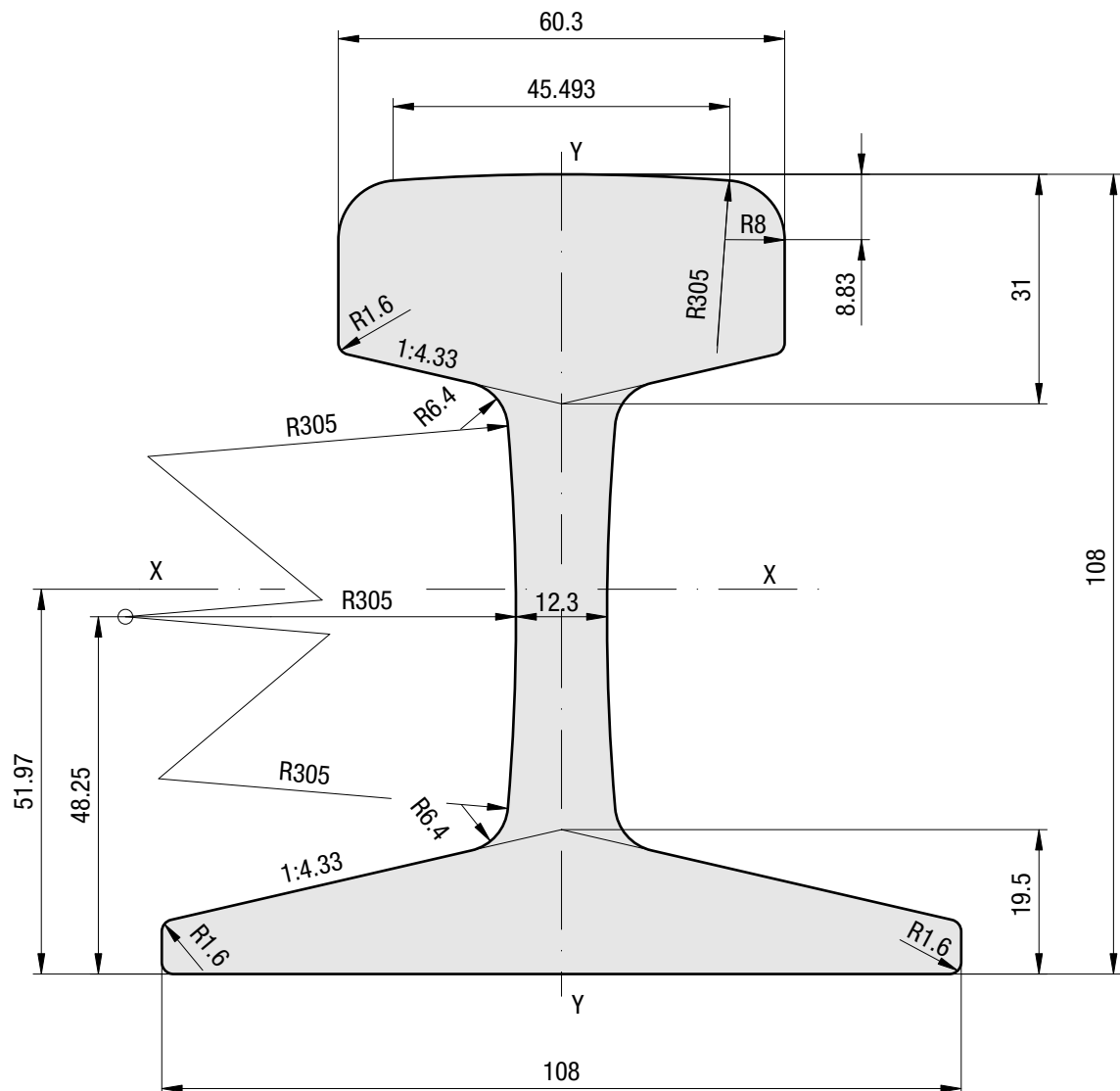


VIGNOLSCHIENEN / FLAT BOTTOM RAILS

30E1 (S30)	VI-1100
33E1 (S33)	VI-1200
35E1 (Xa)	VI-1300
VST36	VI-1400
40E1 (S41-R14)	VI-1500
41E1 (S41-R10)	VI-1600
PTC41	VI-1700
SA42-13	VI-1800
SA42-10	VI-1900
TR45	VI-2000
45E1 (BS90A)	VI-2100
45E2 (DSB45, DSBV)	VI-2200
46E1 (SBBII)	VI-2300
46E2 (U33)	VI-2400
46E3 (NP46)	VI-2500
95RBH	VI-2600
49E3 (S49b)	VI-2700
SAR48	VI-2800
S48U	VI-2900
MAV48	VI-3000
S49MAV	VI-3100
49E1 (S49)	VI-3200
50E5 (S50UNI)	VI-3300
50E2 (EB50T)	VI-3400
50E3 (BV50)	VI-3500
JIS50N	VI-3600
50E4 (UIC50)	VI-3700
50E6 (U50)	VI-3800
SAR51	VI-3900
S50 (VRC50)	VI-4000
IRS52	VI-4100
R50	VI-4200
54E2 (UIC54E, SBBIV)	VI-4300
S54	VI-4400
54E1 (UIC54, SBBIII)	VI-4500
56E1	VI-4600
AREA115	VI-4700
AREA115	VI-4700A
SAR57	VI-4800
60E2-40	VI-4900
60E2	VI-5000
60E1 (UIC60, SBBVI)	VI-5100
S60 (VRC60)	VI-5200
JIS60A	VI-5300
R65-2	VI-5400
AREA133	VI-5500
AREA133	VI-5500A
AREA136RE	VI-5600
AREA136RE	VI-5600A
AREA136RE IH	VI-5700
AREA141AB	VI-5800
AREA141AB	VI-5800A
VA71B	VI-5900

30E1 (S30)

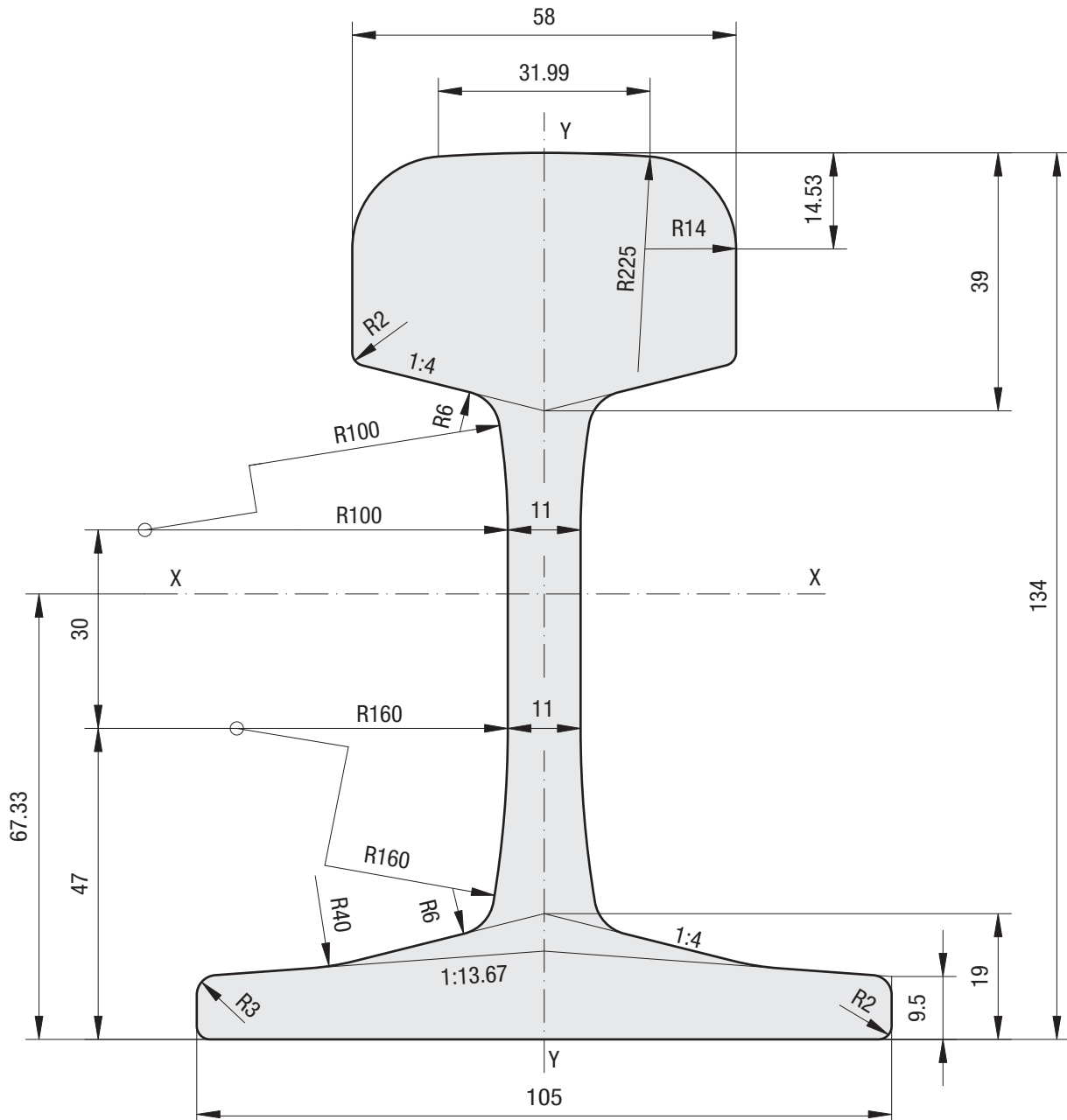
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		30.13 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		38.39 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	608.2 cm ⁴		
	Y-Y	150.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	108.5 cm ³		
	X-X Fuß / Base	117.0 cm ³		
	Y-Y Achse / Axis	27.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1100

33E1 (S33)

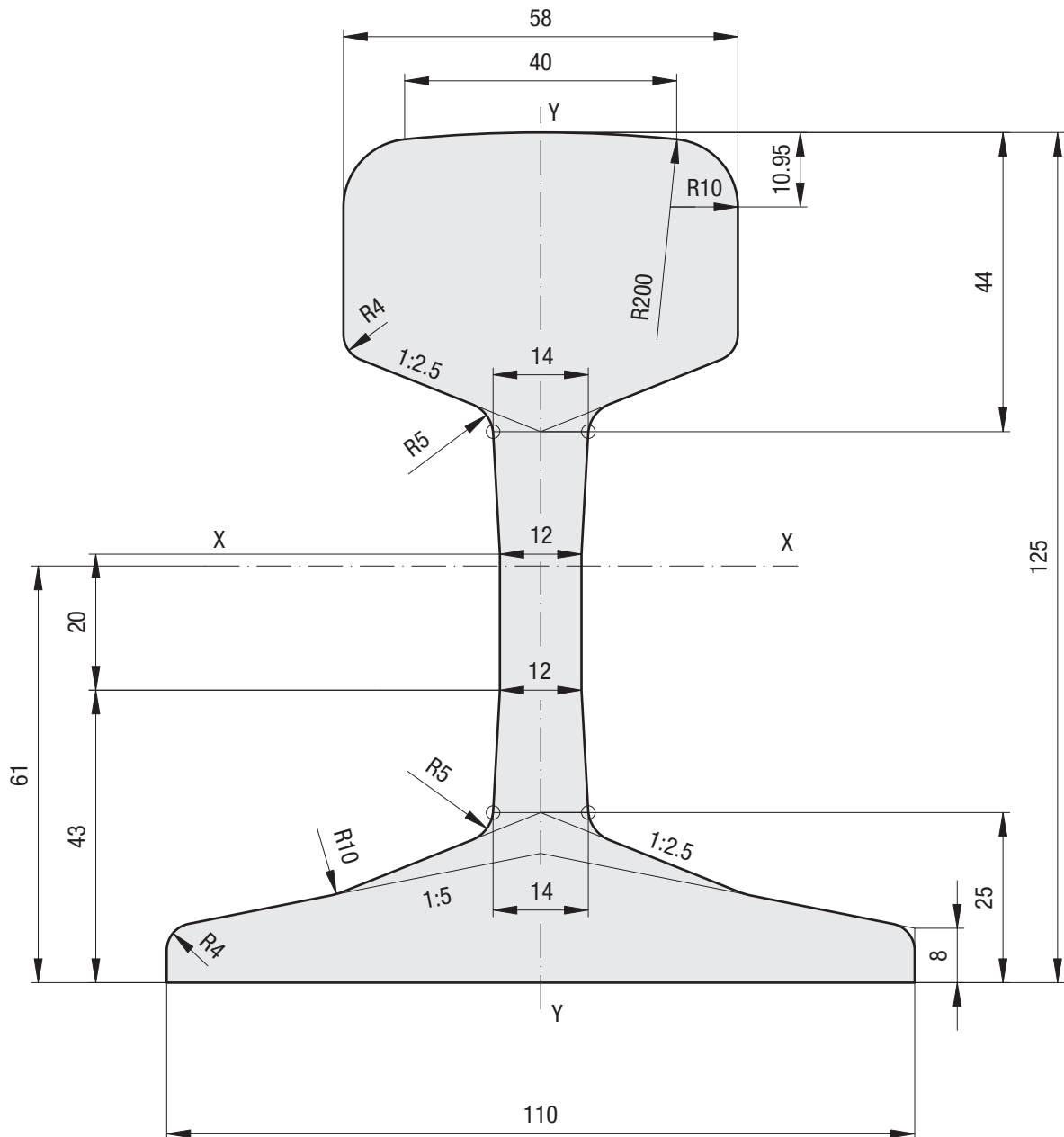
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



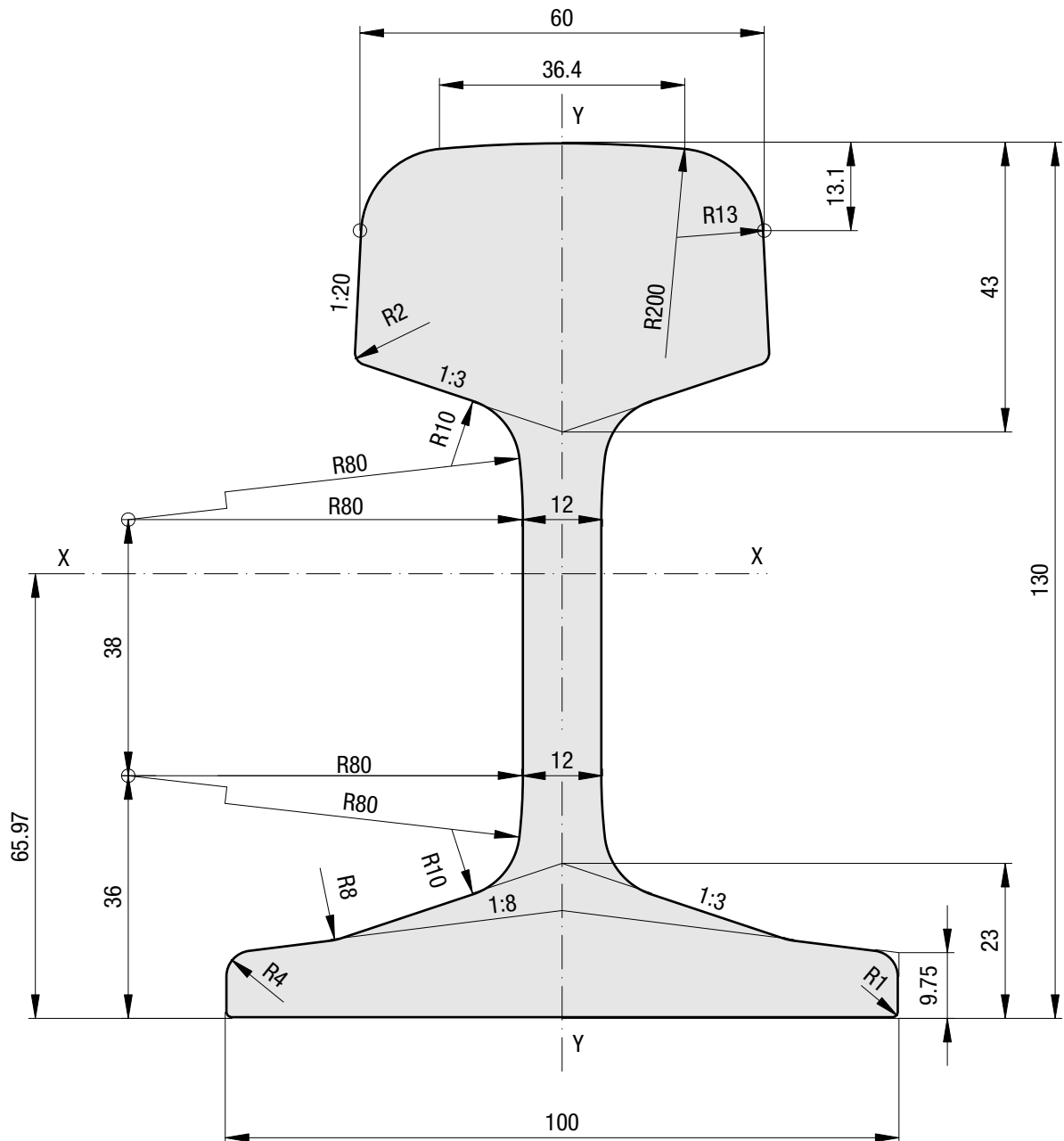
MASSE / MASS		33.47 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		42.64 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1040.3 cm ⁴		
	Y-Y	151.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	156.0 cm ³		
	X-X Fuß / Base	154.5 cm ³		
	Y-Y Achse / Axis	28.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1200

35E1 (Xa)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



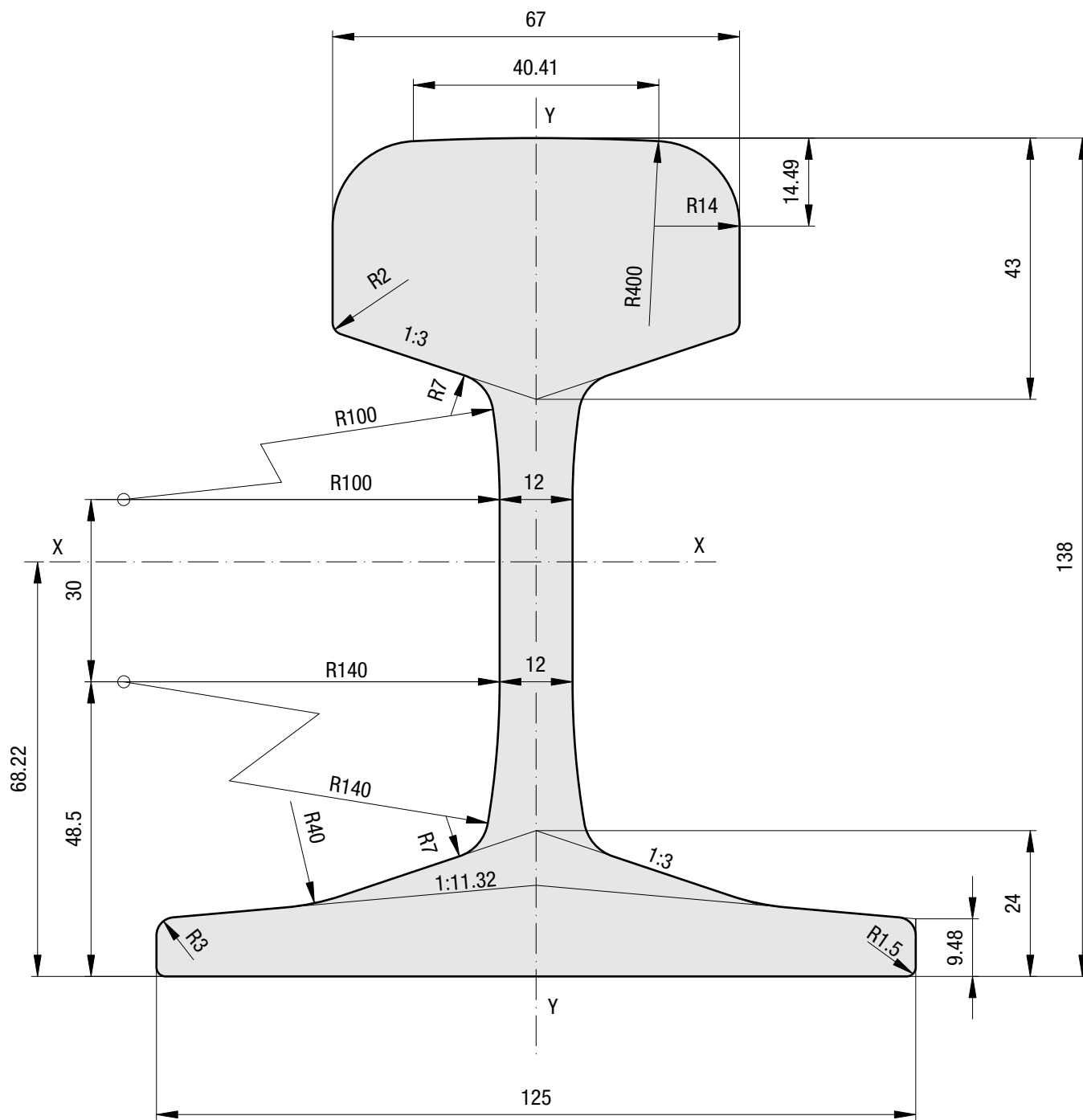
MASSE / MASS		35.76 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		45.55 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	936.3 cm ⁴		
	Y-Y	174.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	146.9 cm ³		
	X-X Fuß / Base	152.9 cm ³		
	Y-Y Achse / Axis	31.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1300



MASSE / MASS		35.82 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		45.63 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1009.3 cm ⁴		
	Y-Y	157.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	157.6 cm ³		
	X-X Fuß / Base	153.0 cm ³		
	Y-Y Achse / Axis	31.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1400

40E1 (S41-R14)

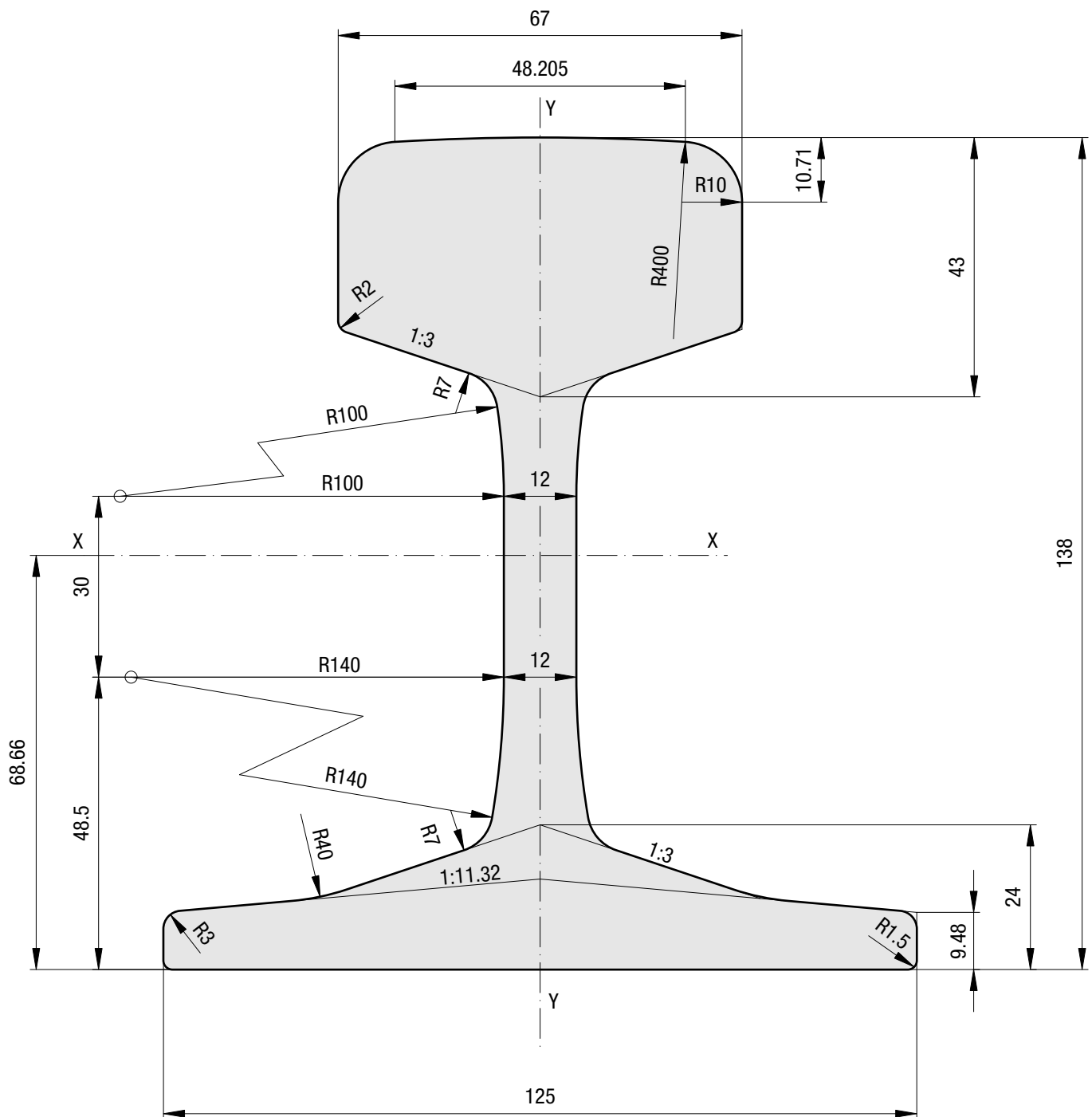
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



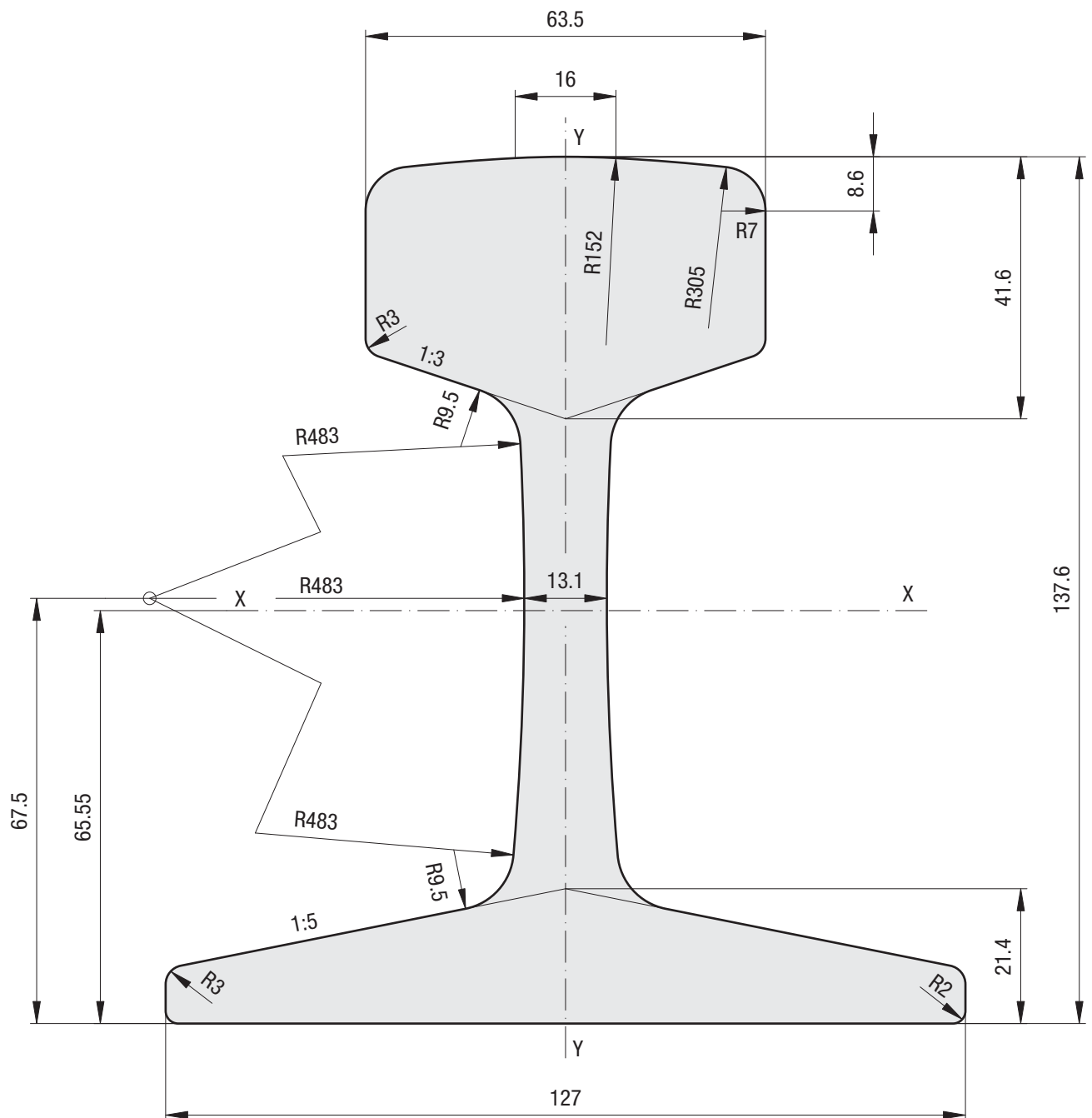
MASSE / MASS		40.95 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		52.17 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1366.9 cm ⁴		
	Y-Y	262.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	195.9 cm ³		
	X-X Fuß / Base	200.4 cm ³		
	Y-Y Achse / Axis	41.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1500

41E1 (S41-R10)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS

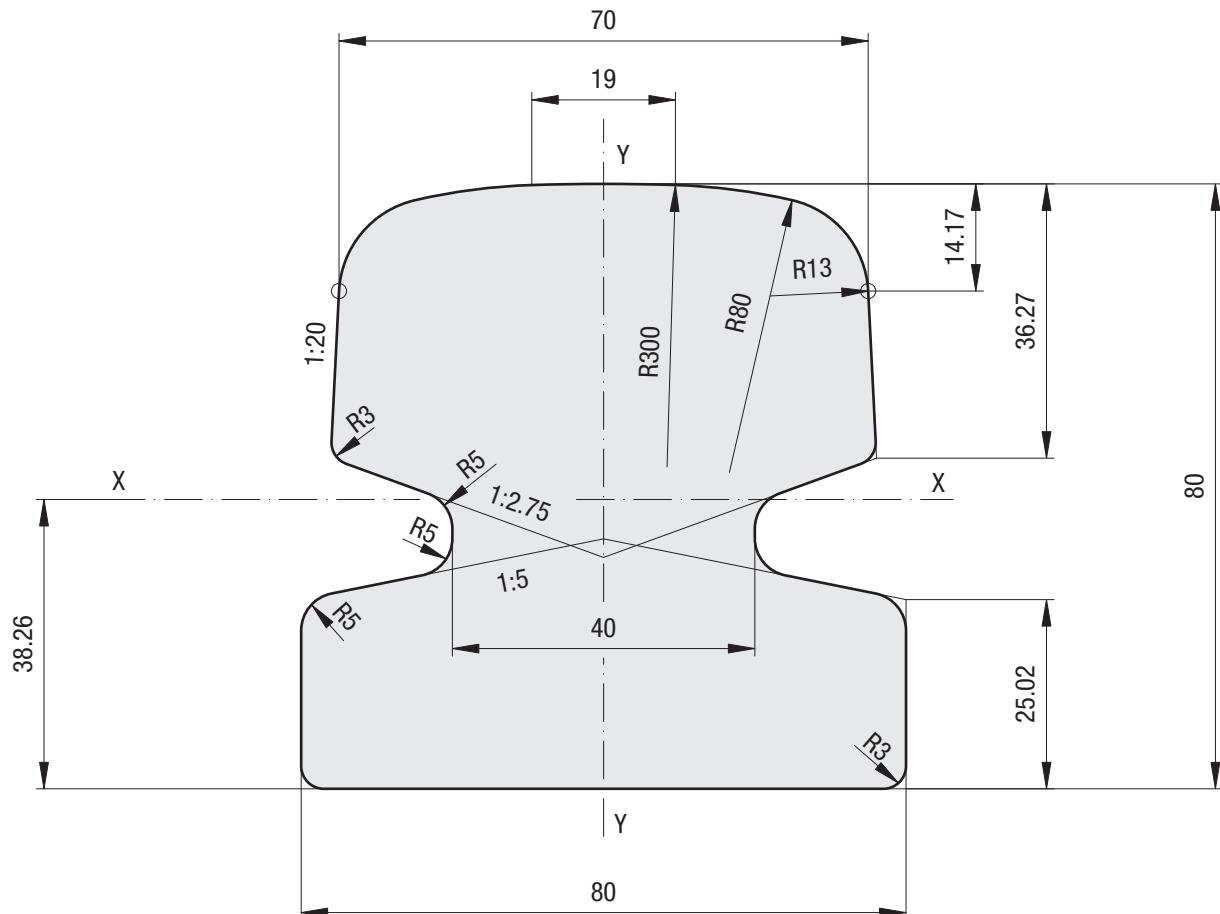


MASSE / MASS		41.24 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		52.53 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1382.1 cm ⁴		
	Y-Y	265.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	199.3 cm ³		
	X-X Fuß / Base	201.3 cm ³		
	Y-Y Achse / Axis	42.4 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1600



MASSE / MASS		41.36 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		52.69 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1362.7 cm ⁴		
	Y-Y	270.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	189.1 cm ³		
	X-X Fuß / Base	207.9 cm ³		
	Y-Y Achse / Axis	42.6 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1700

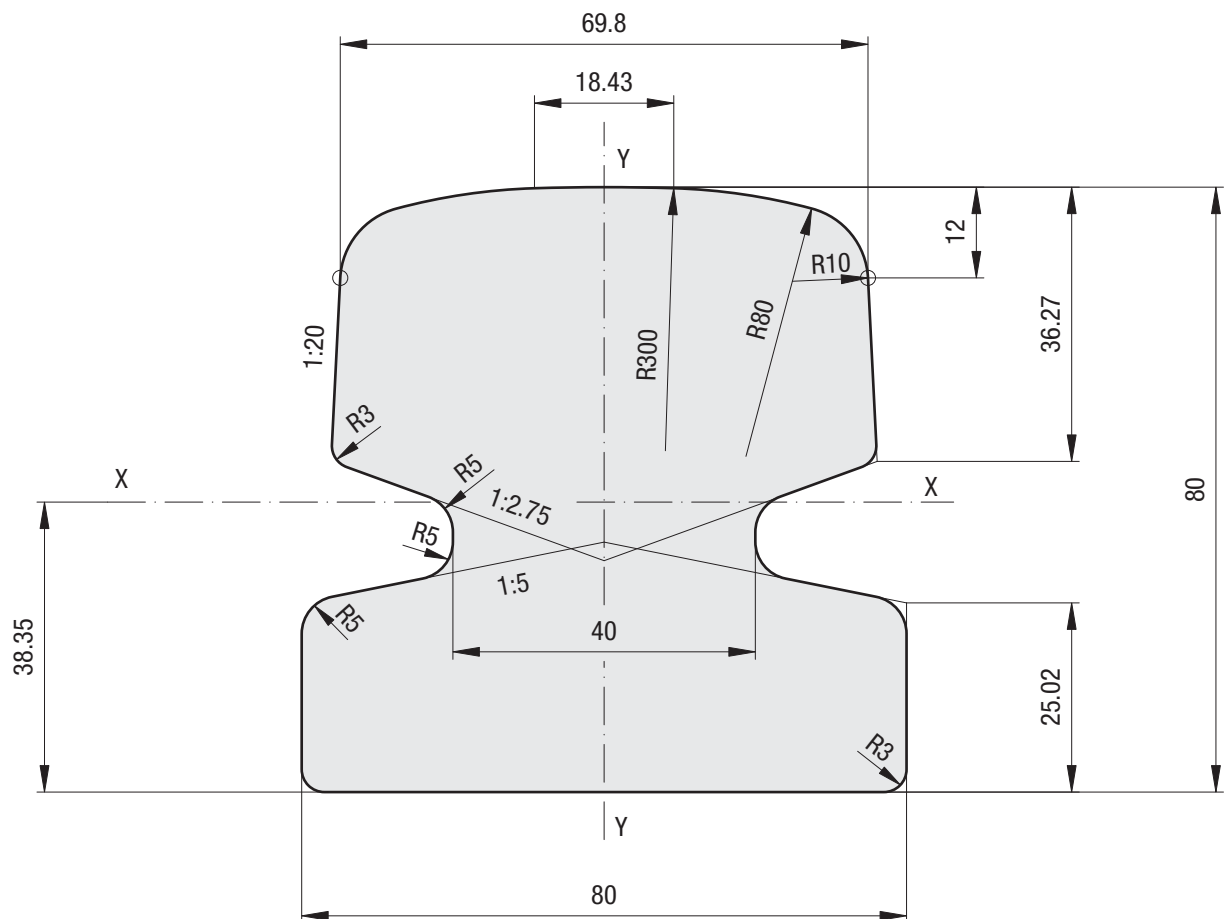
VIGNOLSCIENEN, FLAT BOTTOM RAILS



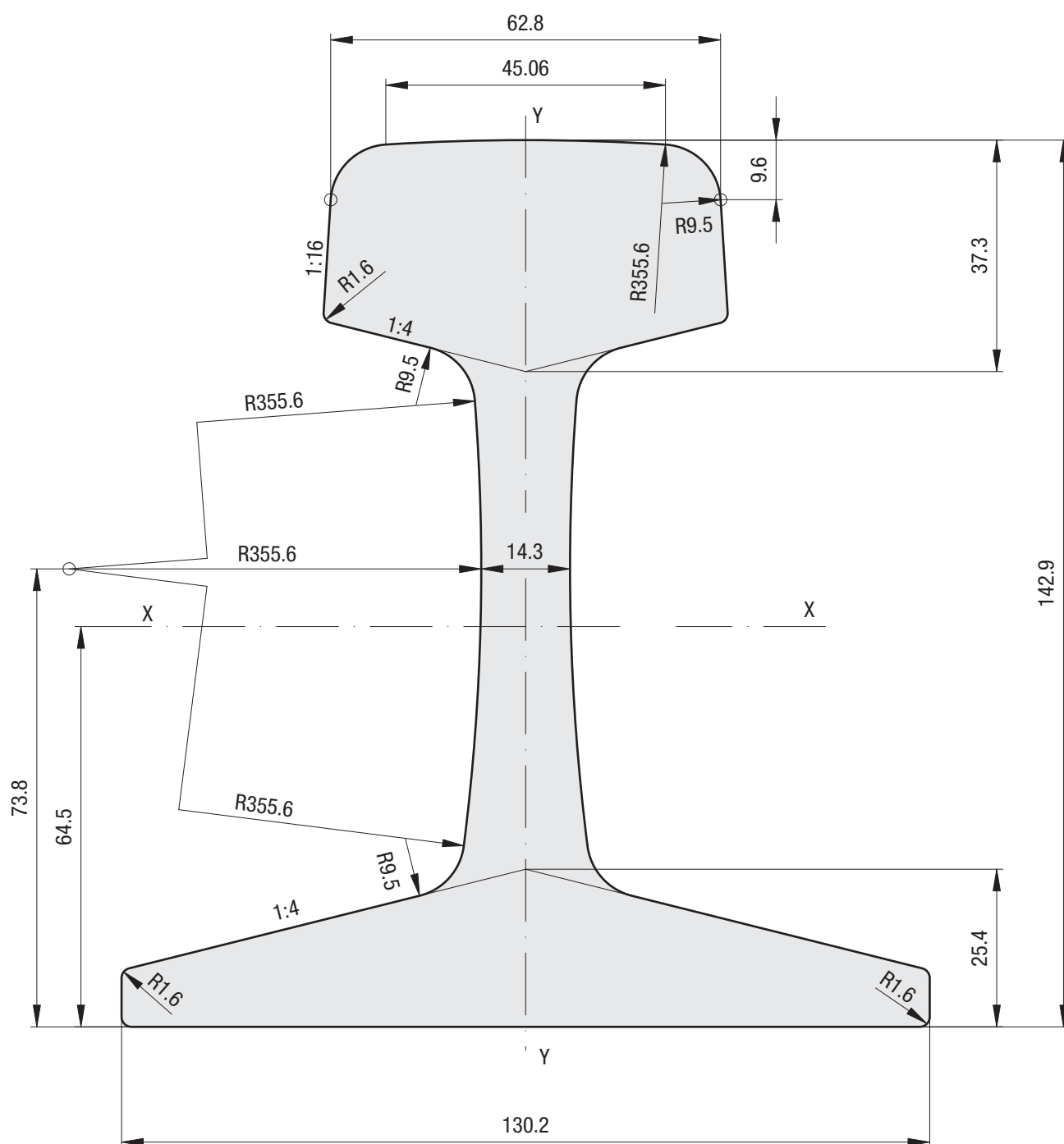
MASSE / MASS		41.99	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		53.50	cm ²	MASSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	296.1	cm ⁴		
	Y-Y	222.2	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf /Head	77.4	cm ³		
	X-X Fuß / Base	70.9	cm ³		
	Y-Y Achse / Axis	55.6	cm ³		
				BLATTNUMMER / NUMBER OF SHEET	VI-1800

SA42-10

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



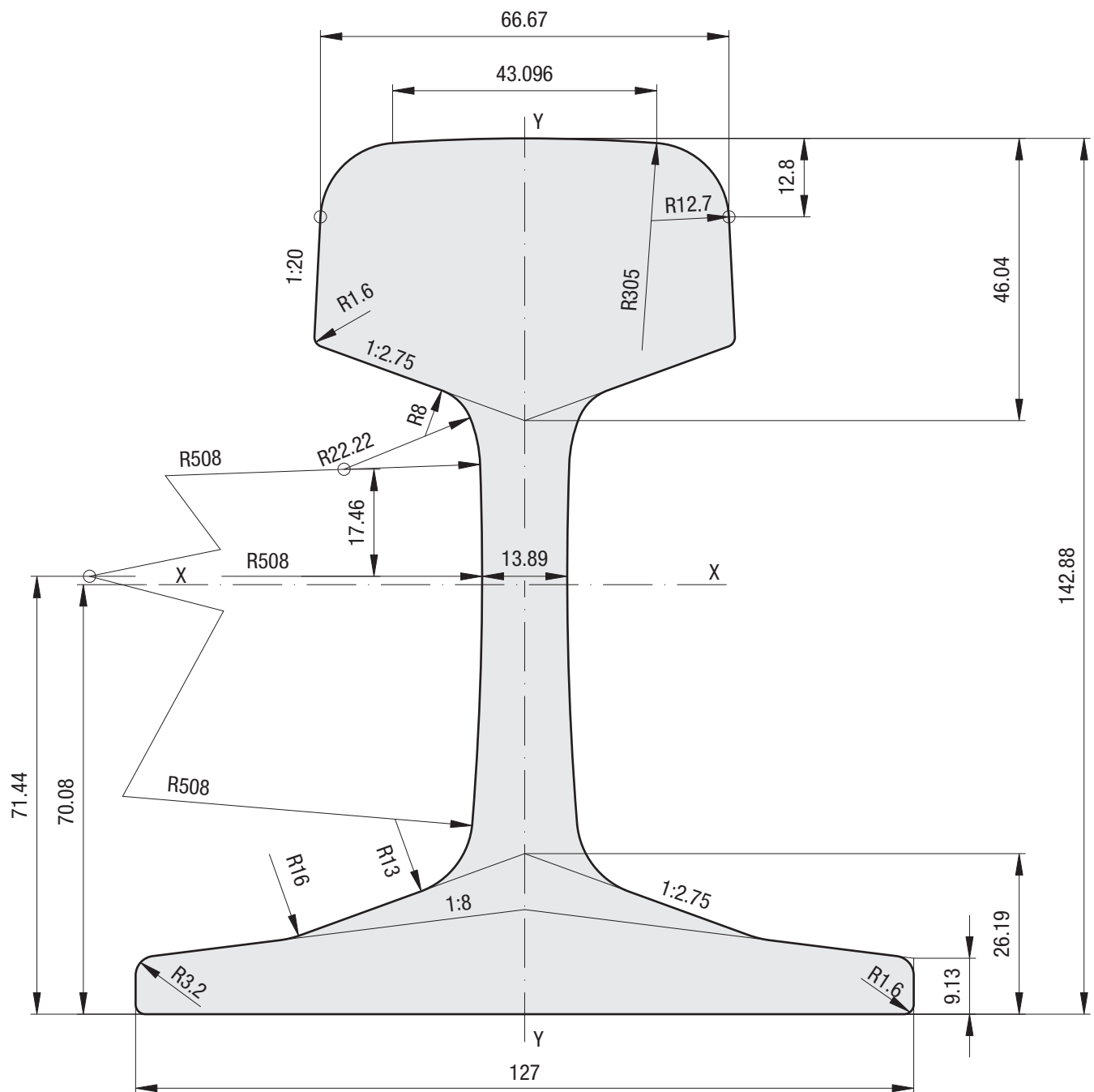
MASSE / MASS		42.10 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		53.63 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	297.6 cm ⁴		
	Y-Y	223.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	71.5 cm ³		
	X-X Fuß / Base	77.6 cm ³		
	Y-Y Achse / Axis	55.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-1900



MASSE / MASS		44.49	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		56.67	cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1567.8	cm ⁴		
	Y-Y	308.1	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	242.5	cm ³		
	X-X Fuß / Base	200.3	cm ³		
	Y-Y Achse / Axis	47.3	cm ³		
				BLATTNUMMER / NUMBER OF SHEET	VI-2000

45E1 (BS90A)

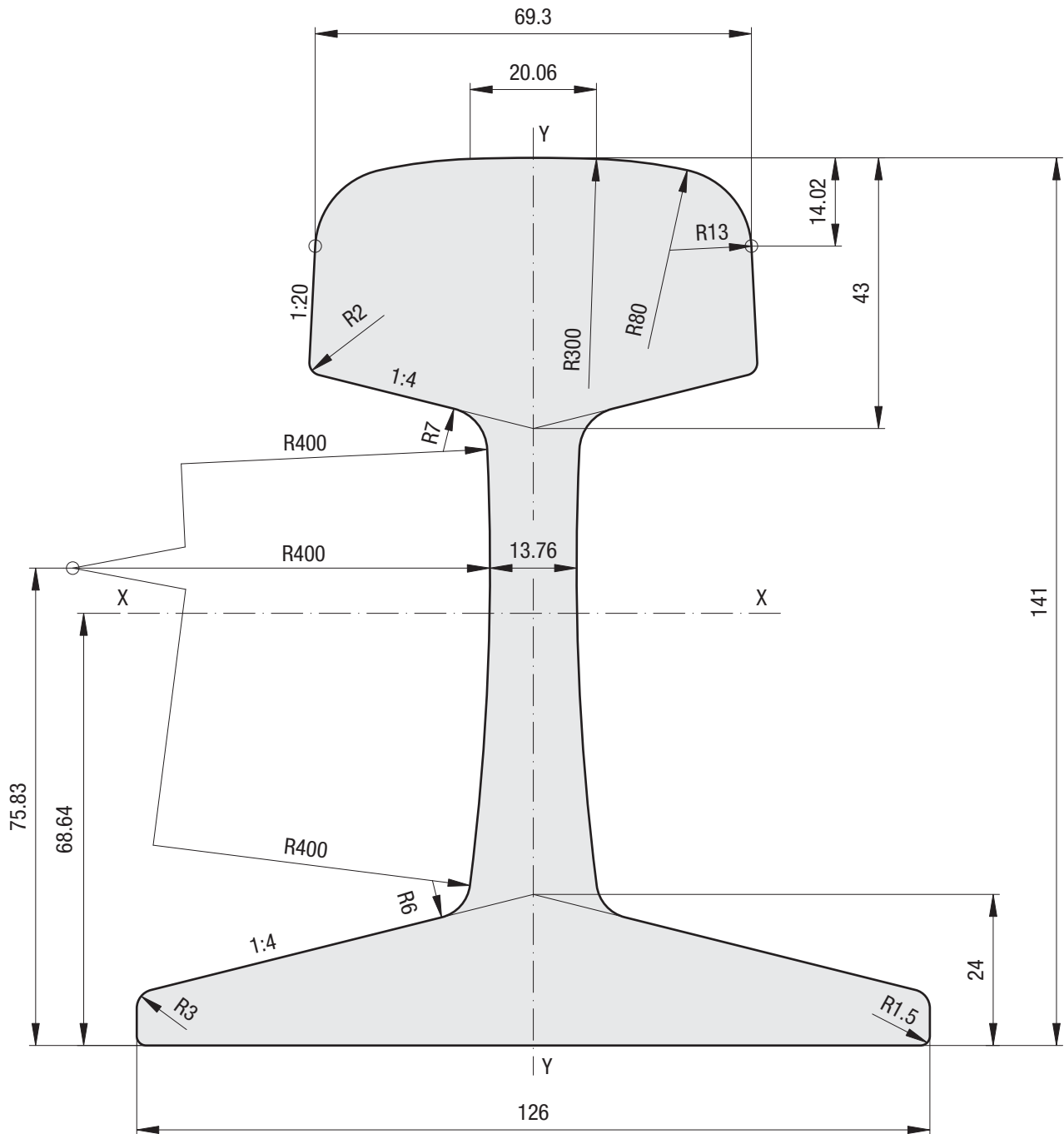
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		45.11 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		57.46 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1564.1 cm ⁴		
	Y-Y	284.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	214.8 cm ³		
	X-X Fuß / Base	223.2 cm ³		
	Y-Y Achse / Axis	44.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2100

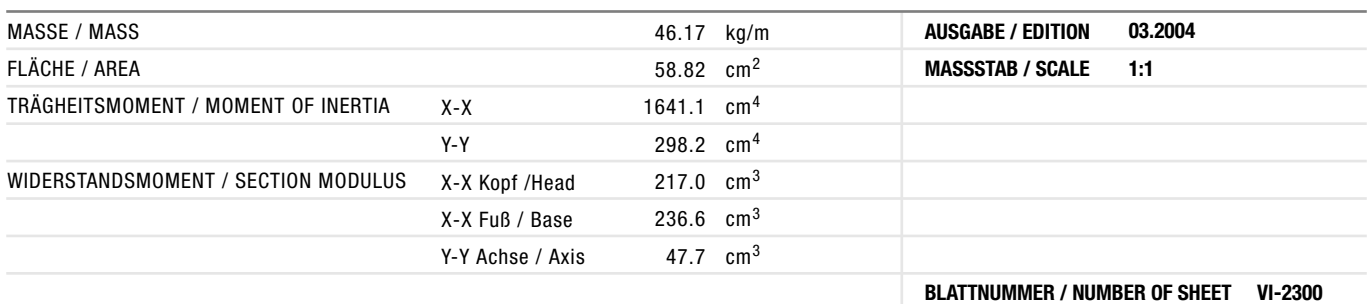
45E2 (DSB45, DSBV)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



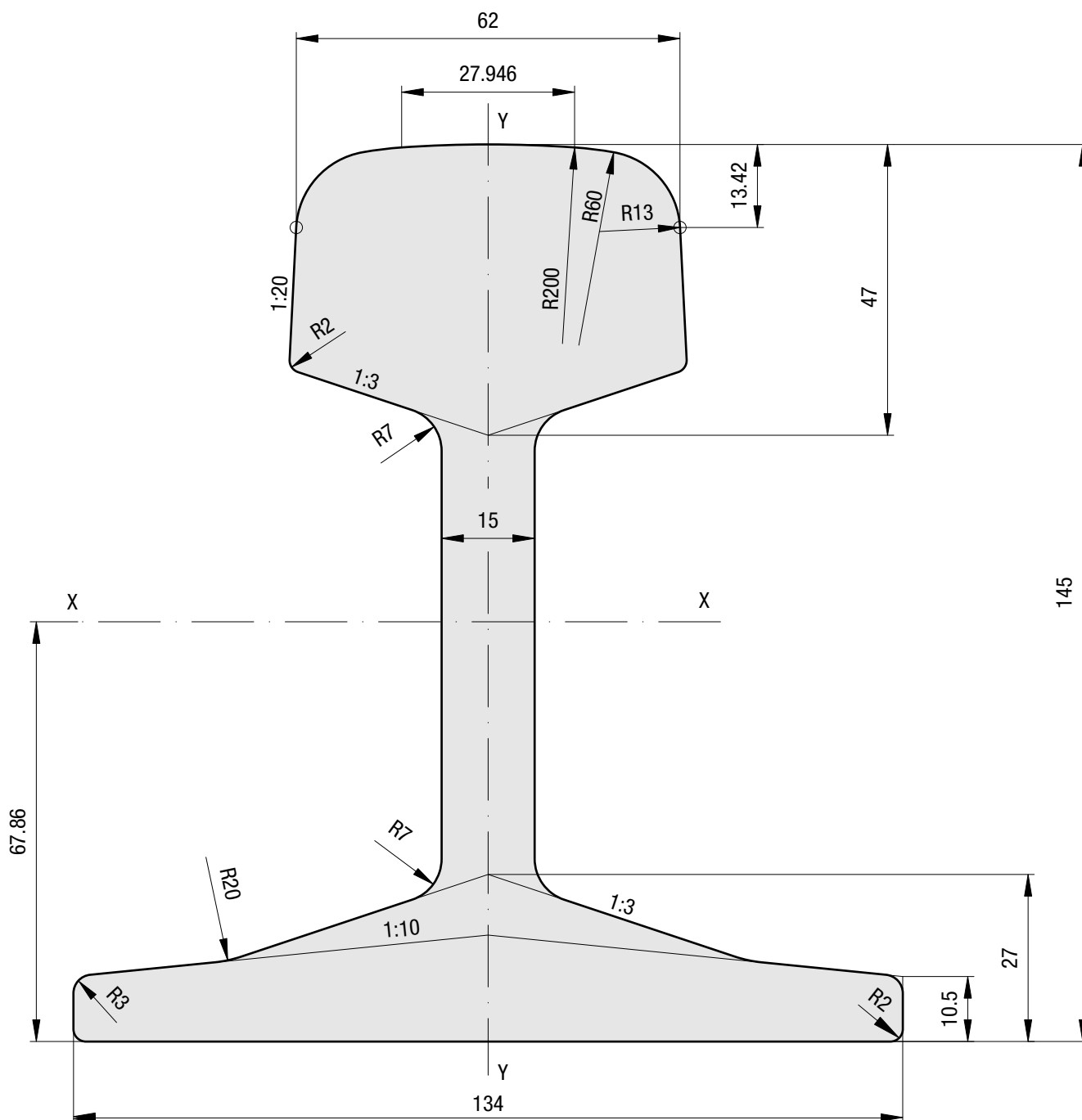
MASSE / MASS		45.51 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		57.98 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1535.9 cm ⁴		
	Y-Y	297.0 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	212.3 cm ³		
	X-X Fuß / Base	223.8 cm ³		
	Y-Y Achse / Axis	47.1 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2200

VIGNOLSCIENEN, FLAT BOTTOM RAILS



46E2 (U33)

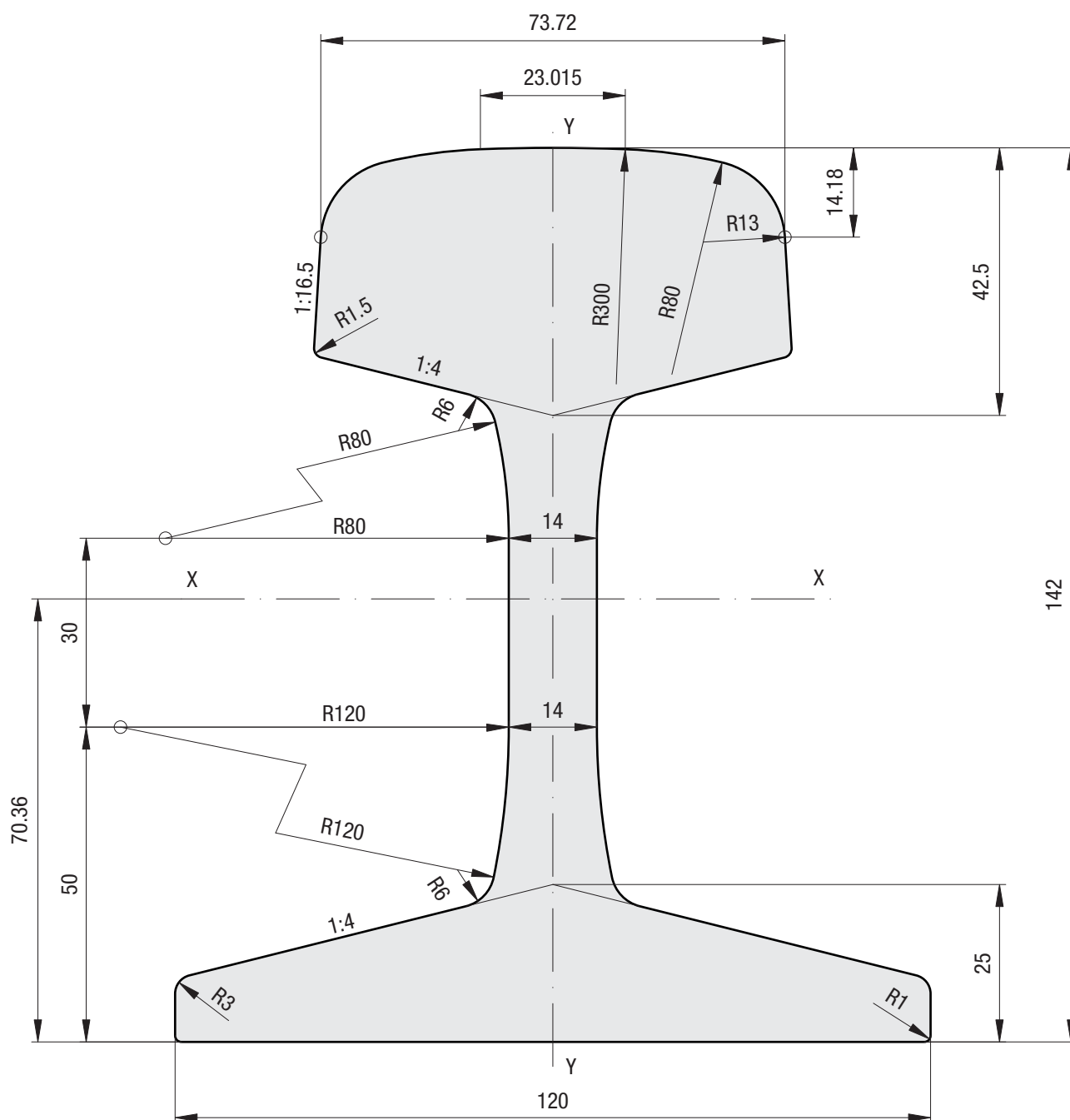
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



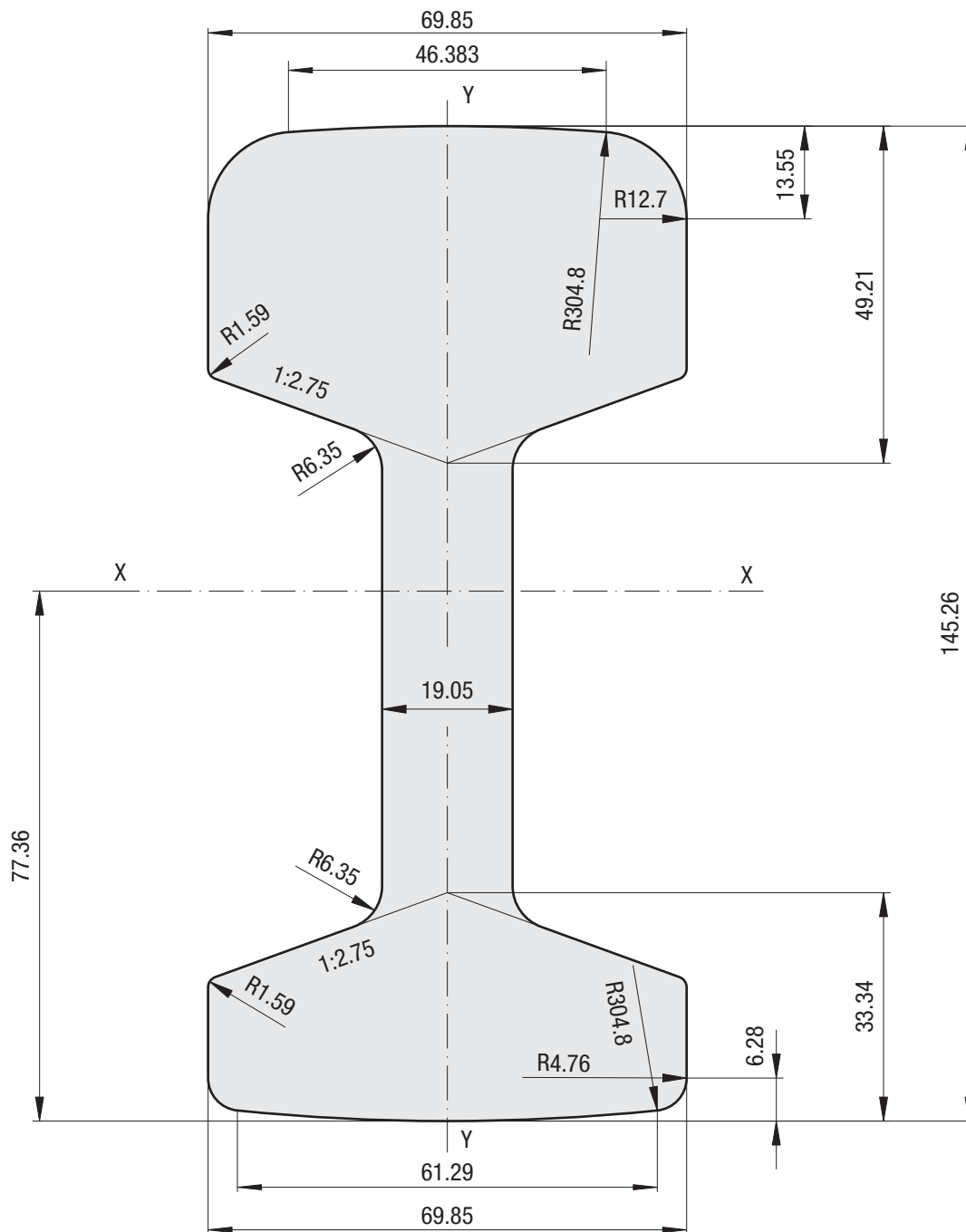
MASSE / MASS		46.27 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		58.94 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1642.7 cm ⁴		
	Y-Y	329.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	213.0 cm ³		
	X-X Fuß / Base	242.1 cm ³		
	Y-Y Achse / Axis	49.1 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2400

46E3 (NP46)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



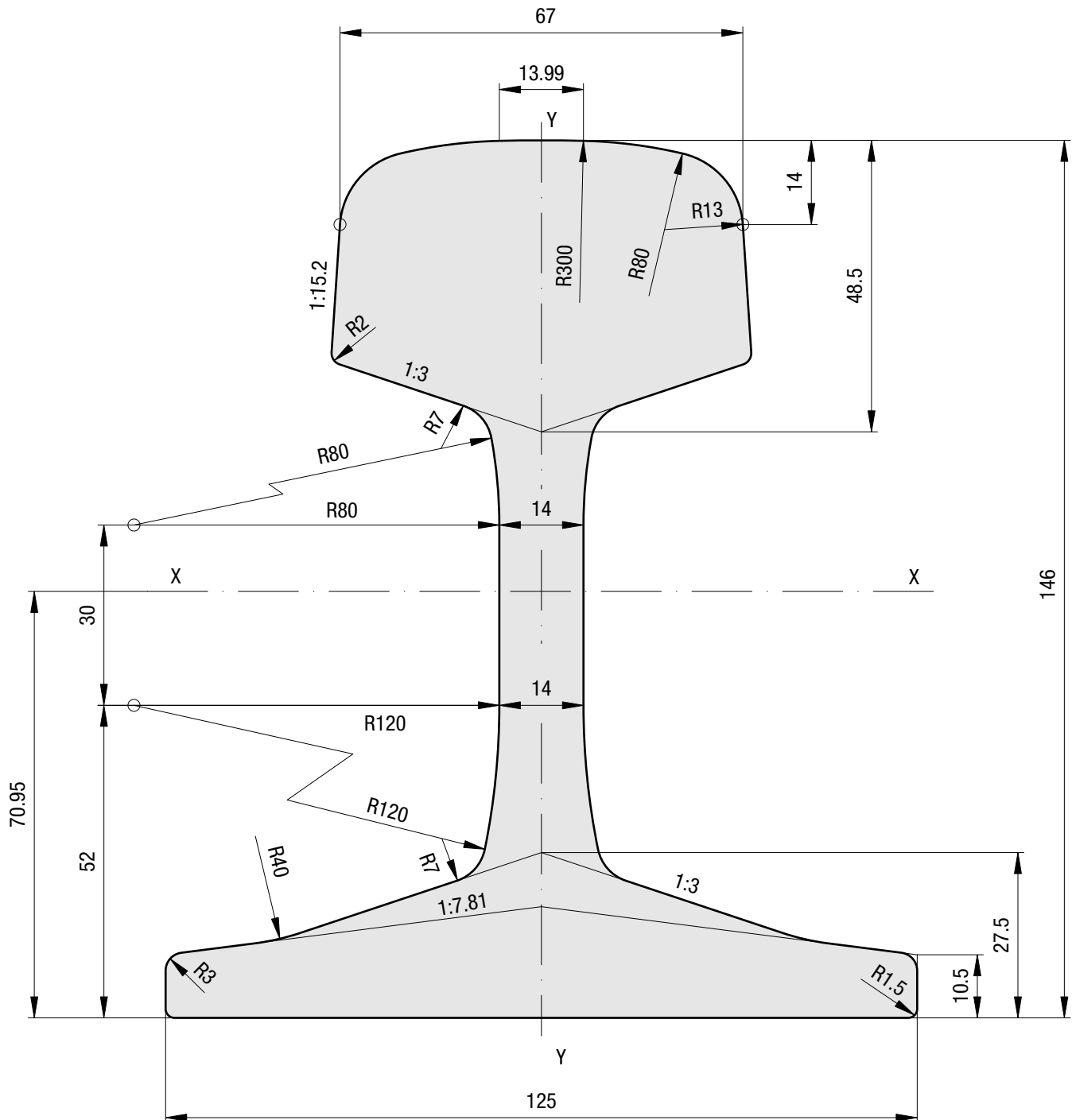
MASSE / MASS		46.66 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		59.44 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1605.9 cm ⁴		
	Y-Y	307.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	224.2 cm ³		
	X-X Fuß / Base	228.2 cm ³		
	Y-Y Achse / Axis	51.3 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2500



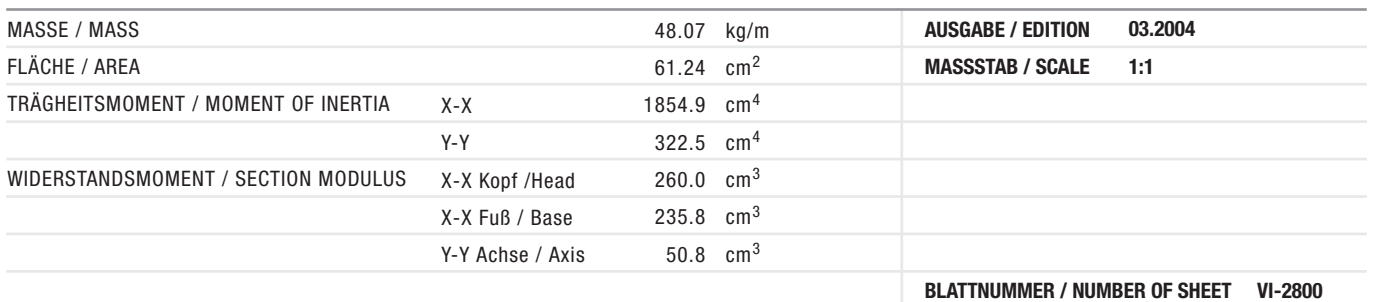
MASSE / MASS		47.07 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		59.96 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1458.1 cm ⁴		
	Y-Y	170.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	214.7 cm ³		
	X-X Fuß / Base	188.5 cm ³		
	Y-Y Achse / Axis	48.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2600

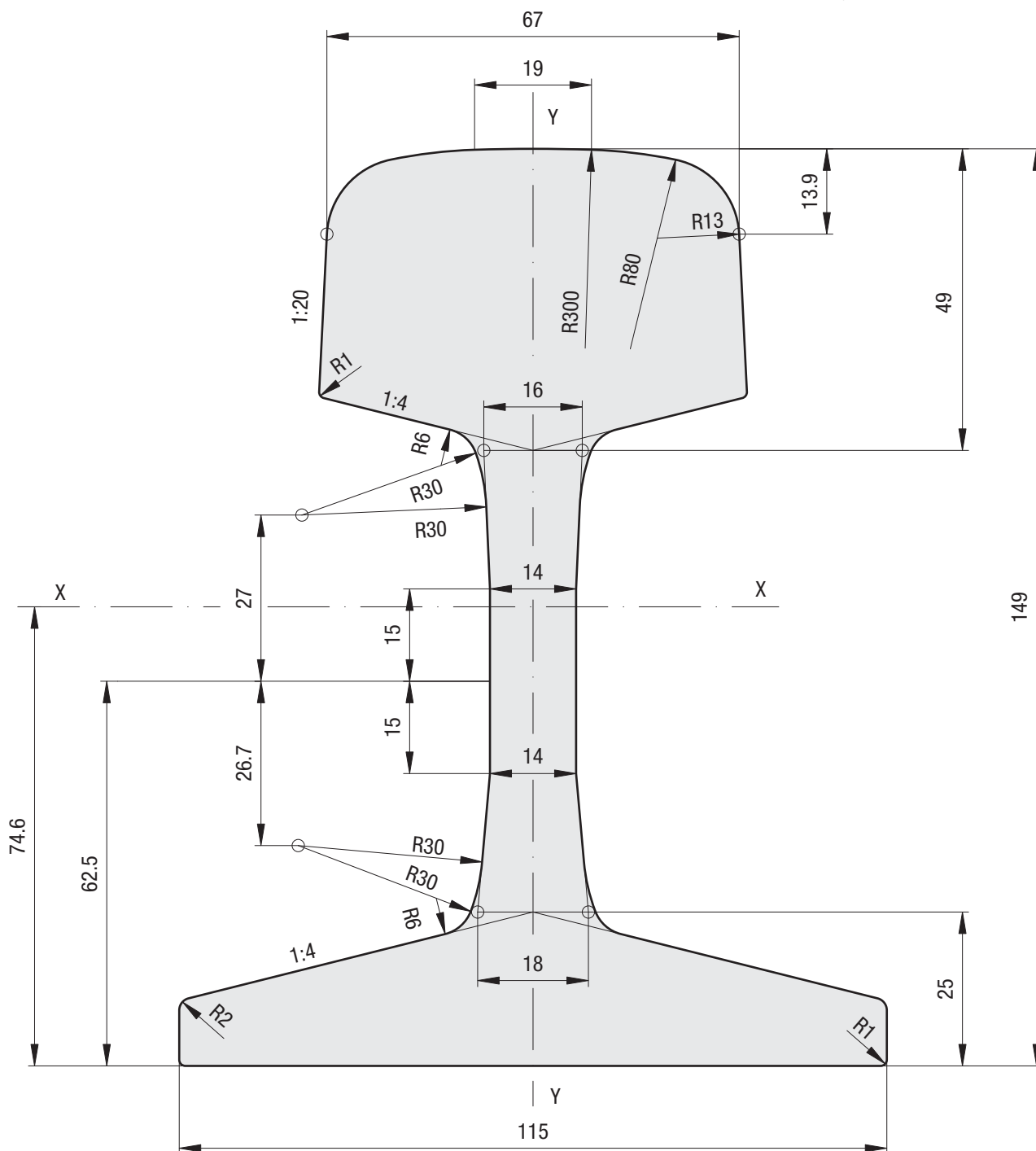
49E3 (S49b)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS

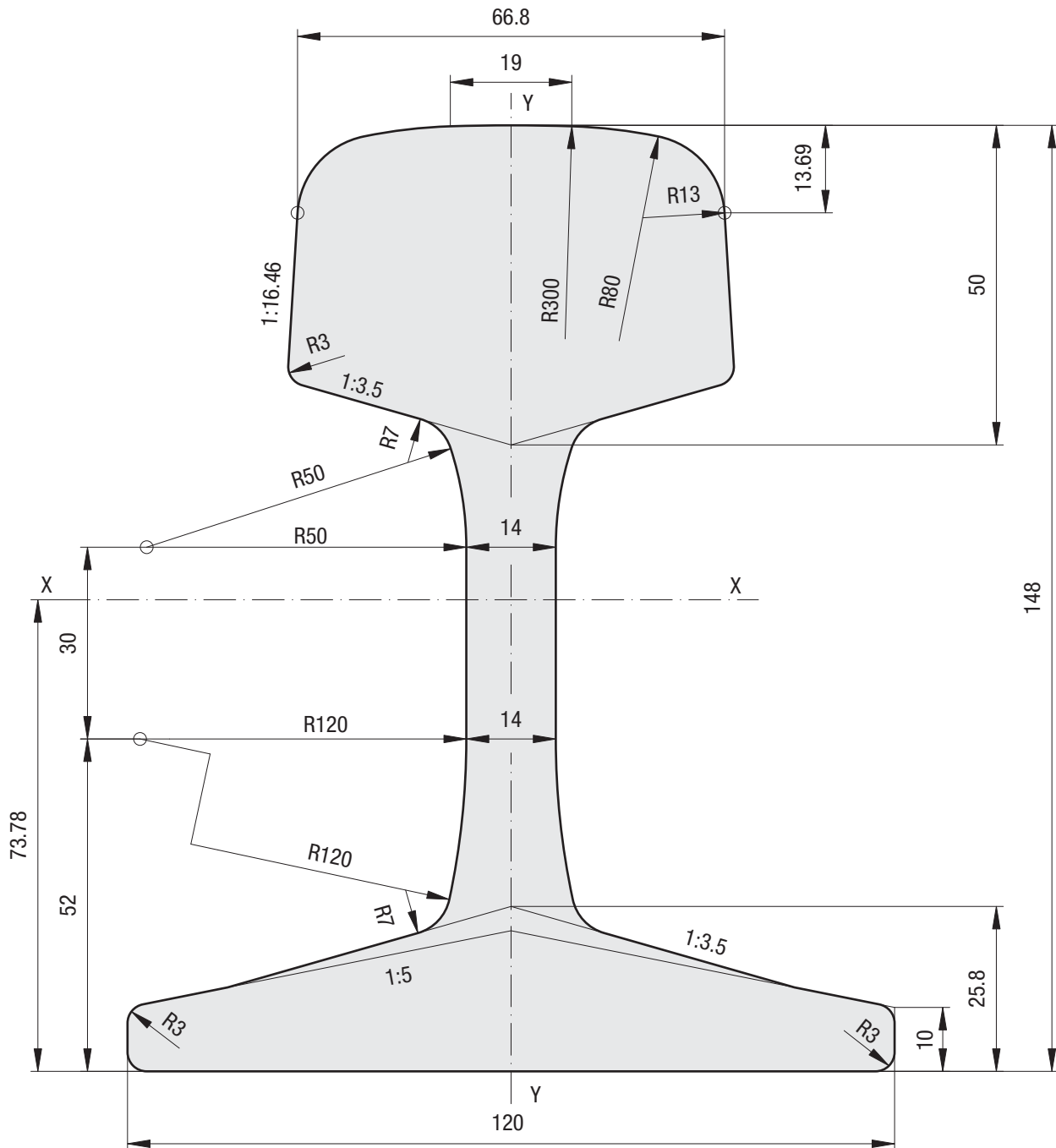


MASSE / MASS		47.8 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		60.83 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1705 cm ⁴		
	Y-Y	310.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	227.2 cm ³		
	X-X Fuß / Base	240.4 cm ³		
	Y-Y Achse / Axis	49.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2700





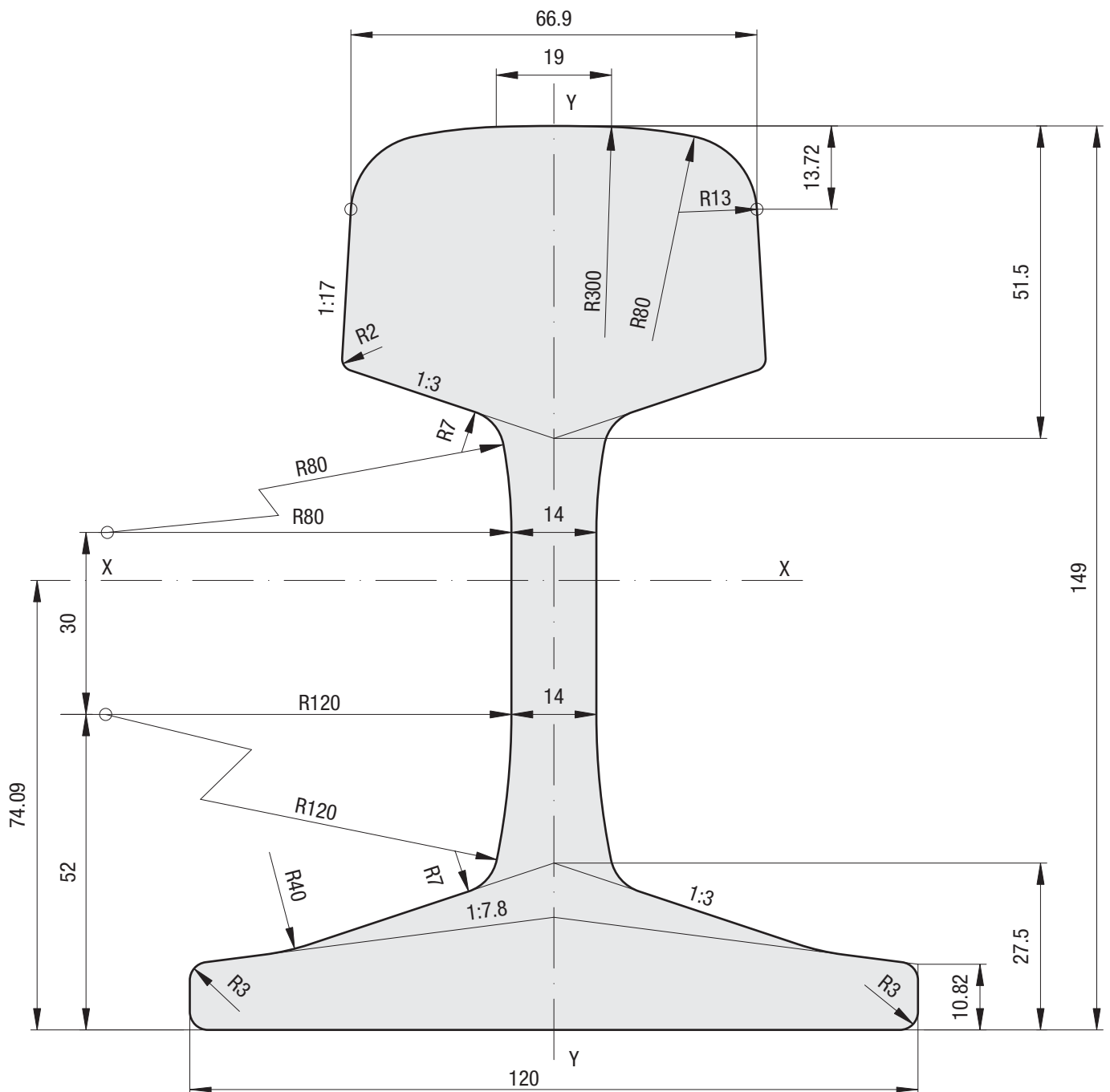
MASSE / MASS		48.28 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		61.50 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1765.9 cm ⁴		
	Y-Y	283.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	237.3 cm ³		
	X-X Fuß / Base	236.8 cm ³		
	Y-Y Achse / Axis	49.2 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-2900



MASSE / MASS		48.50 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		61.78 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1750.1 cm ⁴		
	Y-Y	294.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	235.8 cm ³		
	X-X Fuß / Base	237.2 cm ³		
	Y-Y Achse / Axis	49.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3000

S49MAV

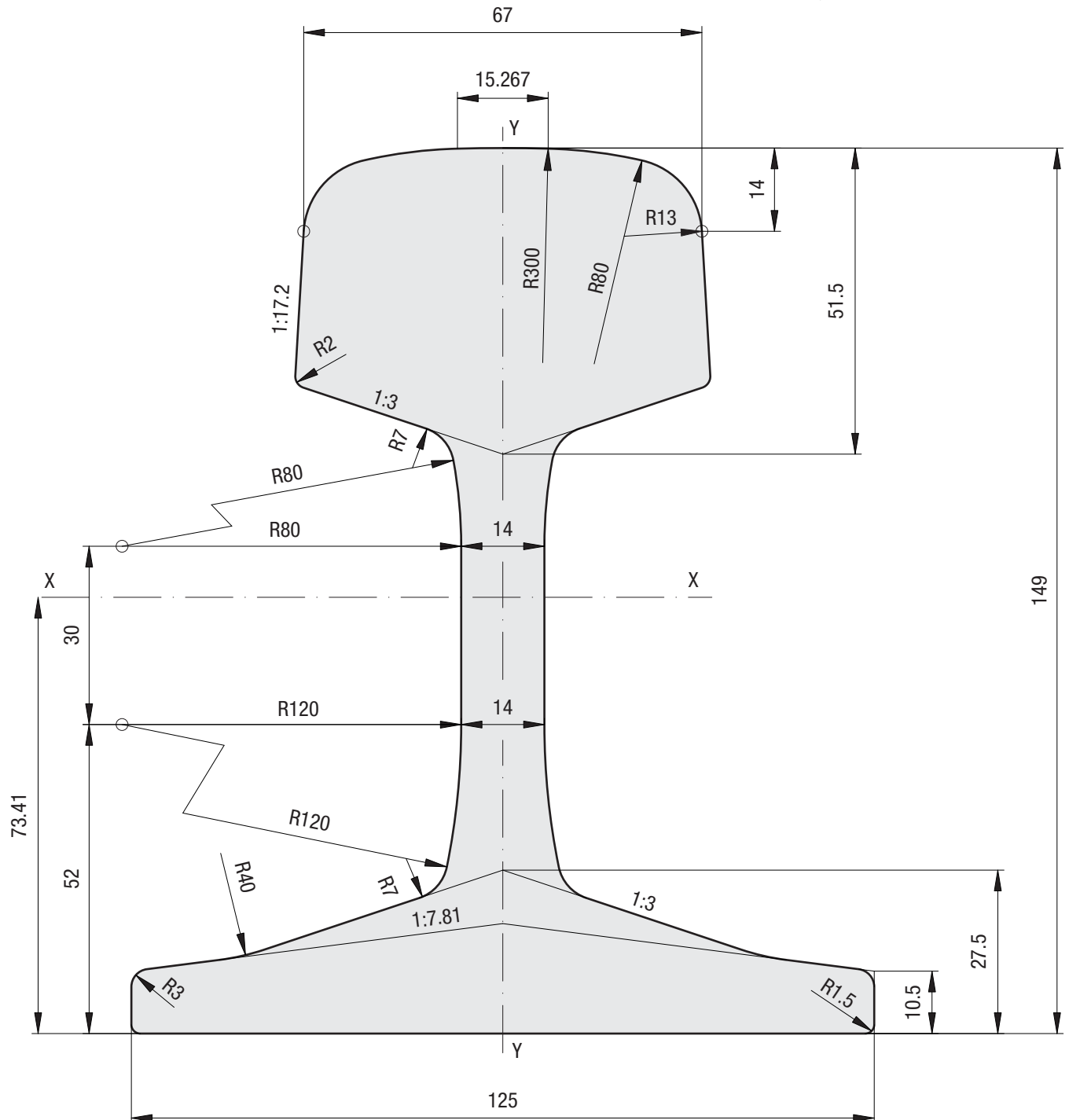
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		49.02 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		62.44 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1794.3 cm ⁴		
	Y-Y	298.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	239.5 cm ³		
	X-X Fuß / Base	242.2 cm ³		
	Y-Y Achse / Axis	49.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3100

49E1 (S49)

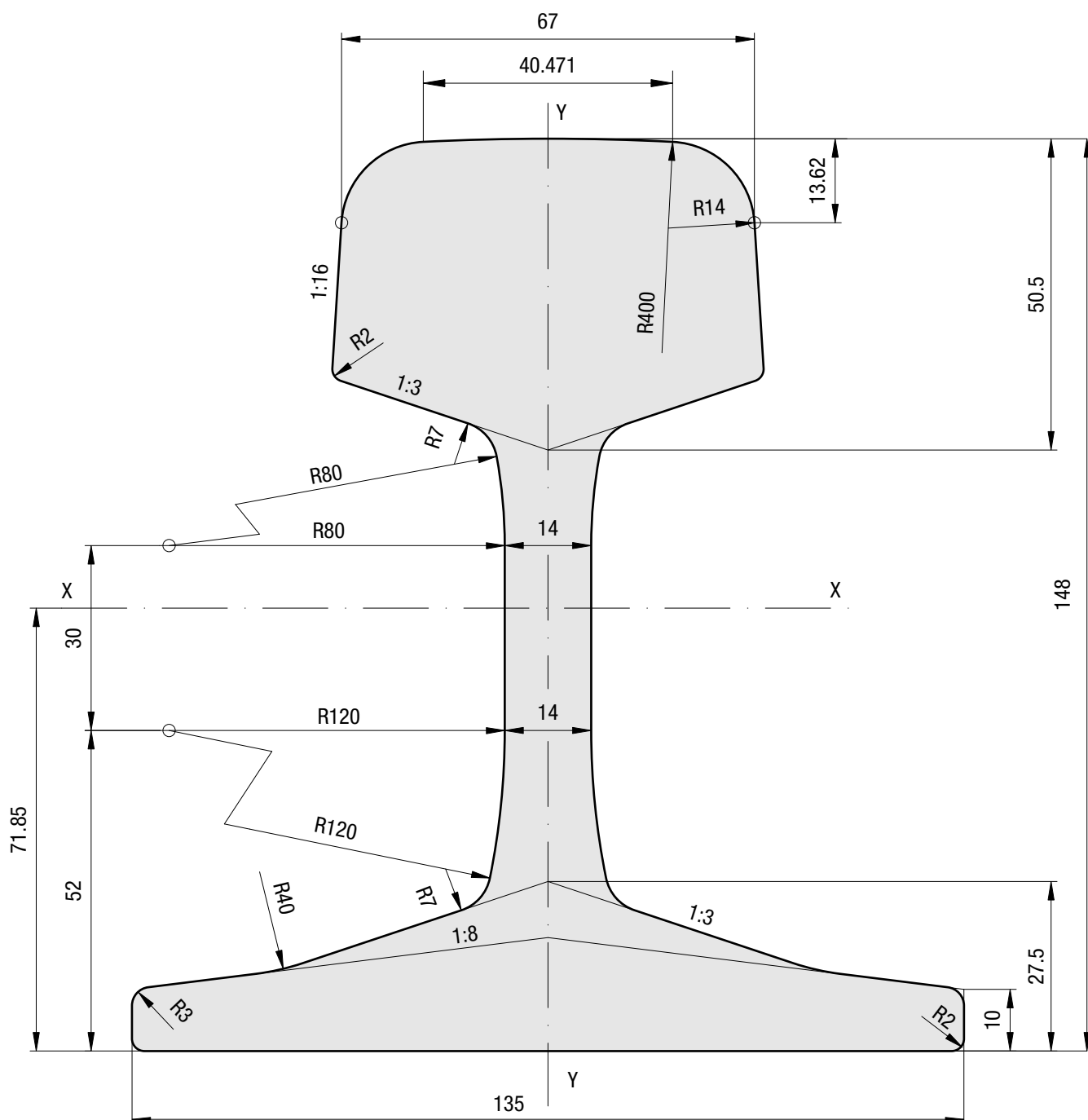
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		49.39 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		62.92 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1816.0 cm ⁴		
	Y-Y	319.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	240.3 cm ³		
	X-X Fuß / Base	247.5 cm ³		
	Y-Y Achse / Axis	51.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3200

50E5 (S50UNI)

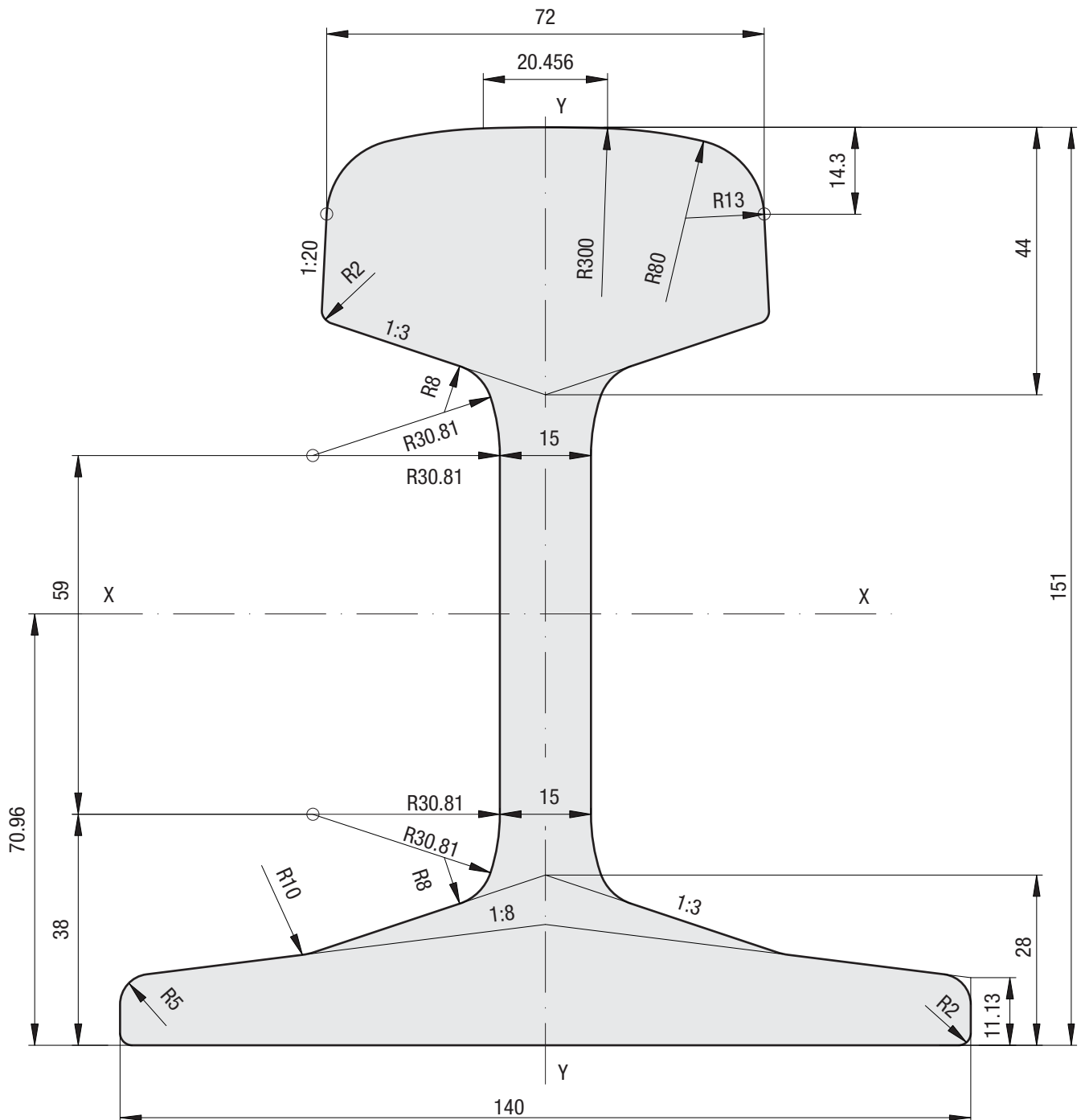
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		49.9 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		63.62 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1844.0 cm ⁴		
	Y-Y	362.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	242.1 cm ³		
	X-X Fuß / Base	256.6 cm ³		
	Y-Y Achse / Axis	53.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3300

50E2 (EB50T)

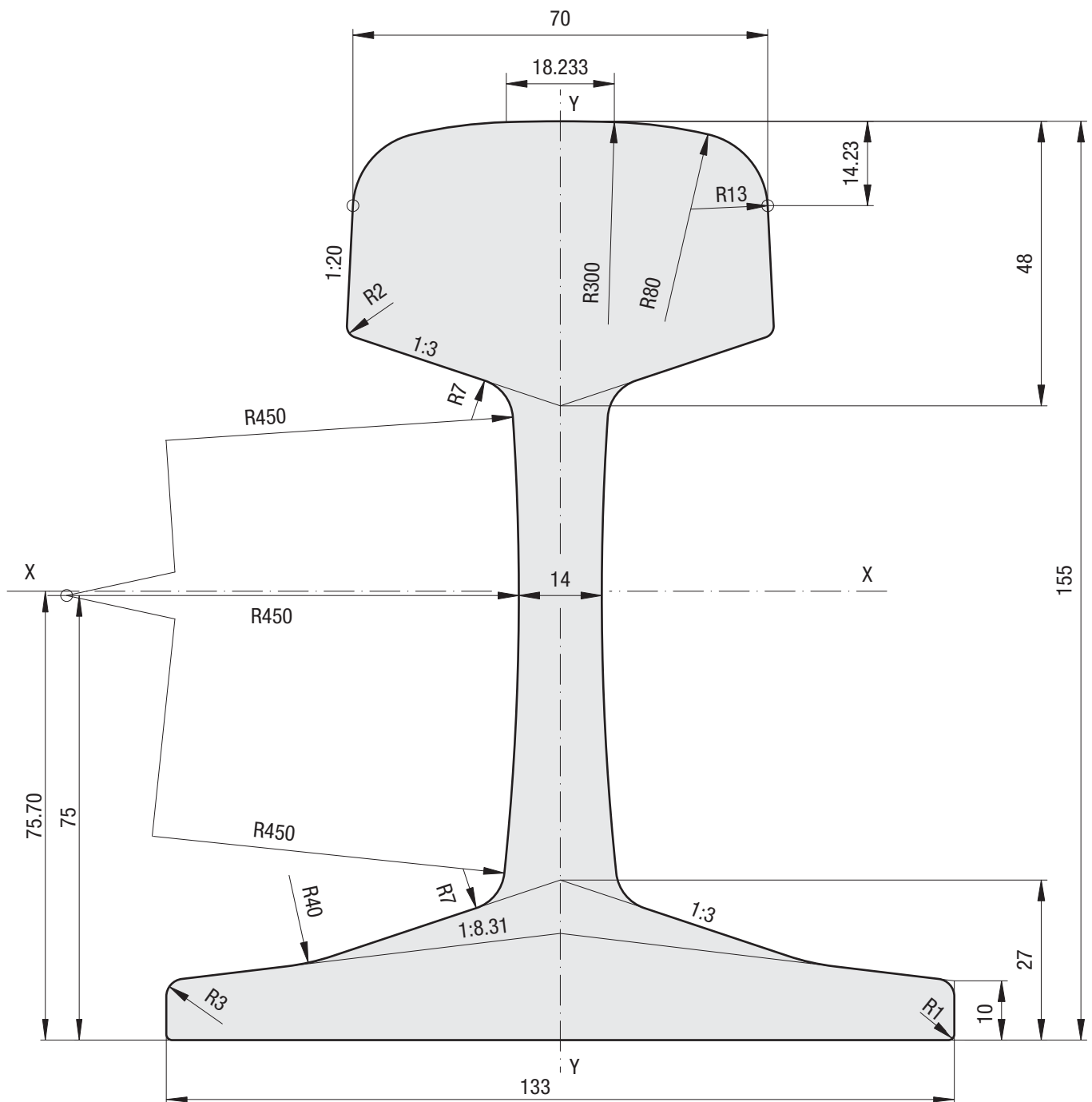
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



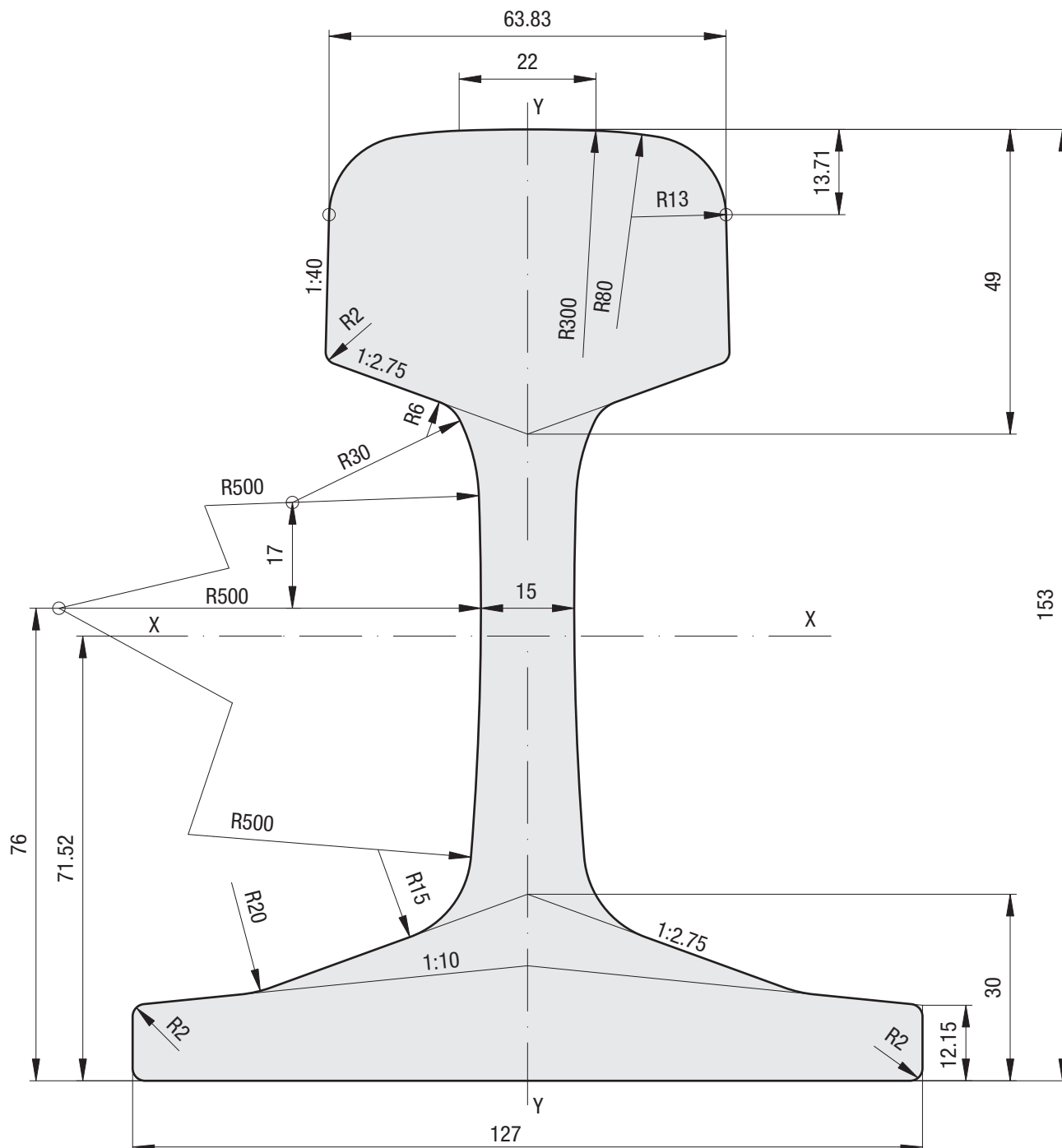
MASSE / MASS		49.97 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		63.65 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1988.8 cm ⁴		
	Y-Y	408.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	248.5 cm ³		
	X-X Fuß / Base	280.3 cm ³		
	Y-Y Achse / Axis	58.3 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3400

50E3 (BV50)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS

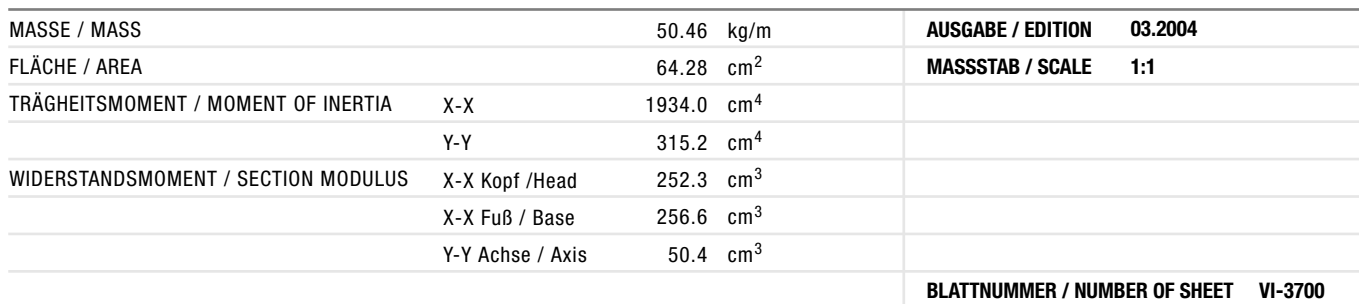


MASSE / MASS		50.02 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		63.71 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2057.8 cm ⁴		
	Y-Y	351.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	259.5 cm ³		
	X-X Fuß / Base	271.8 cm ³		
	Y-Y Achse / Axis	52.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3500



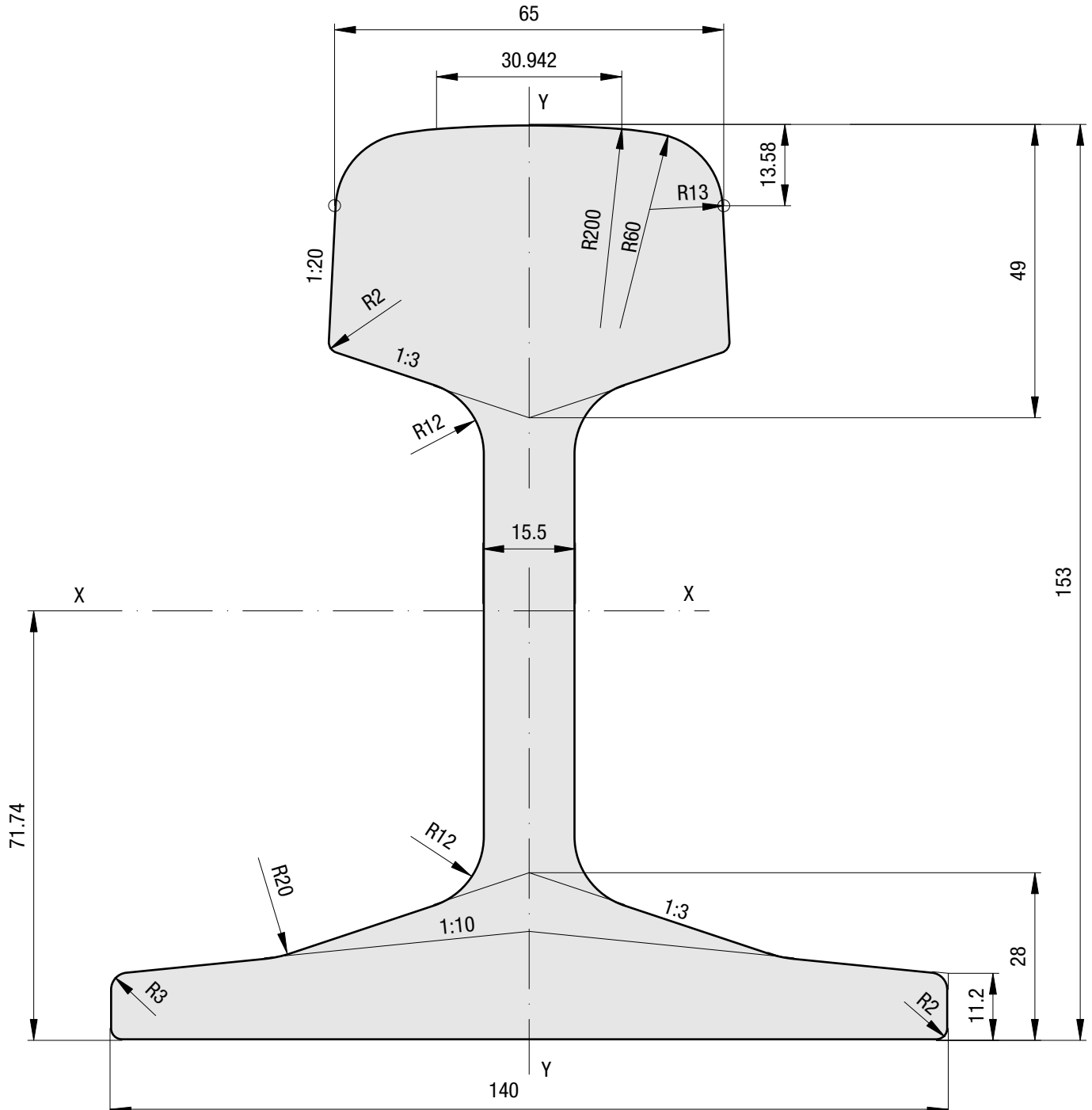
MASSE / MASS		50.38 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		64.18 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1967.2 cm ⁴		
	Y-Y	333.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	241.4 cm ³		
	X-X Fuß / Base	275.1 cm ³		
	Y-Y Achse / Axis	52.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3600

VIGNOLSCIENEN, FLAT BOTTOM RAILS

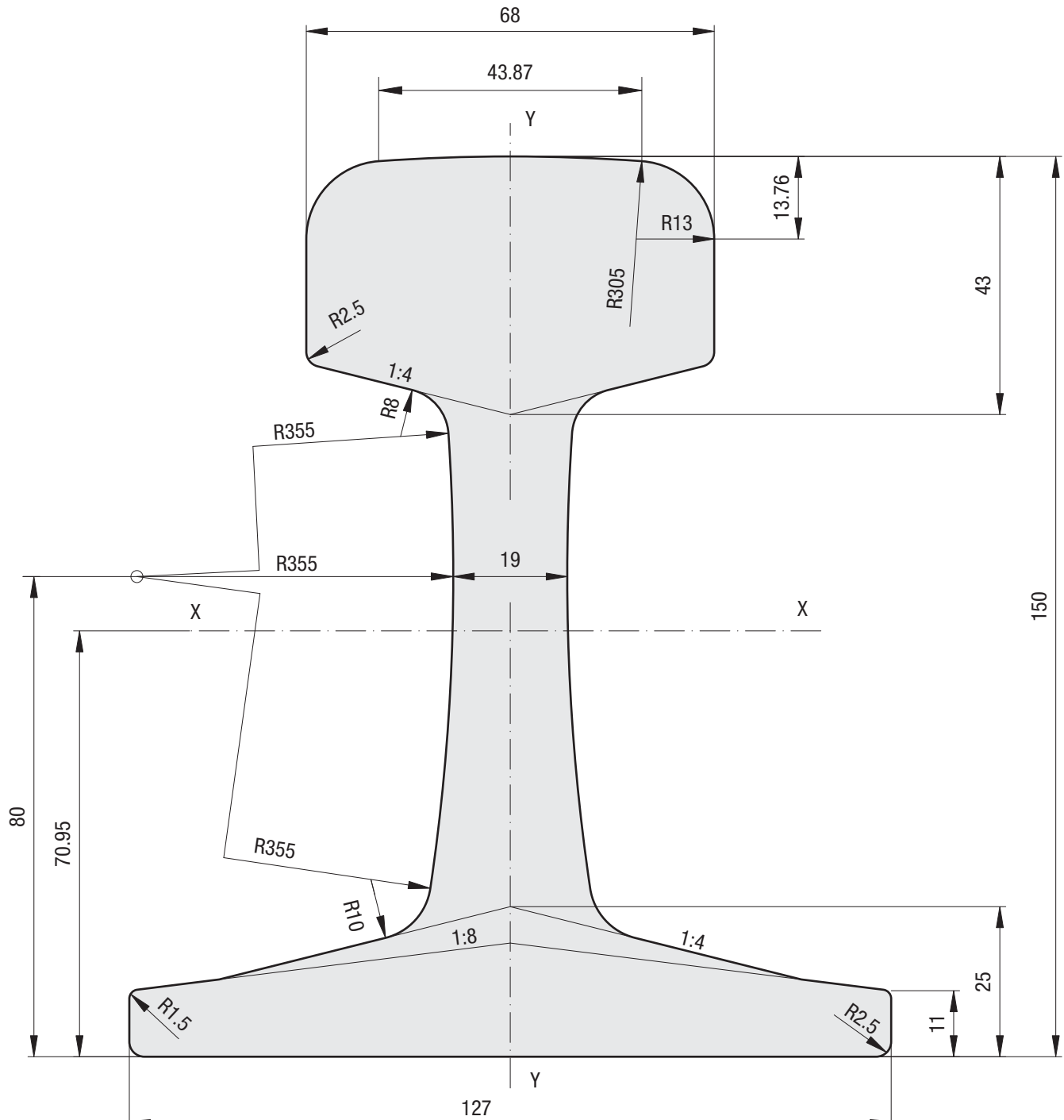


50E6 (U50)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



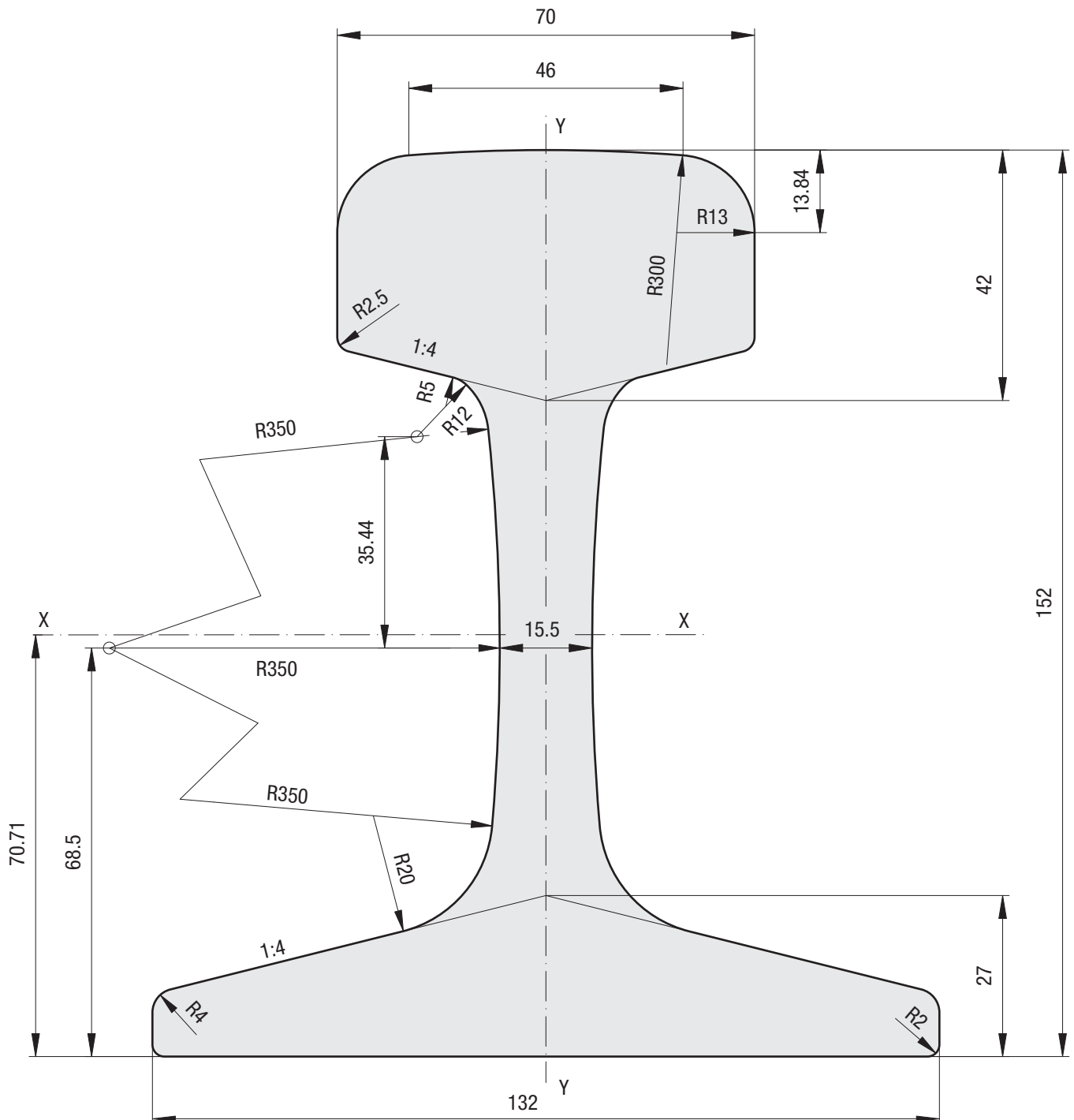
MASSE / MASS		50.90 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		64.84 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2017.8 cm ⁴		
	Y-Y	396.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	248.3 cm ³		
	X-X Fuß / Base	281.3 cm ³		
	Y-Y Achse / Axis	56.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3800



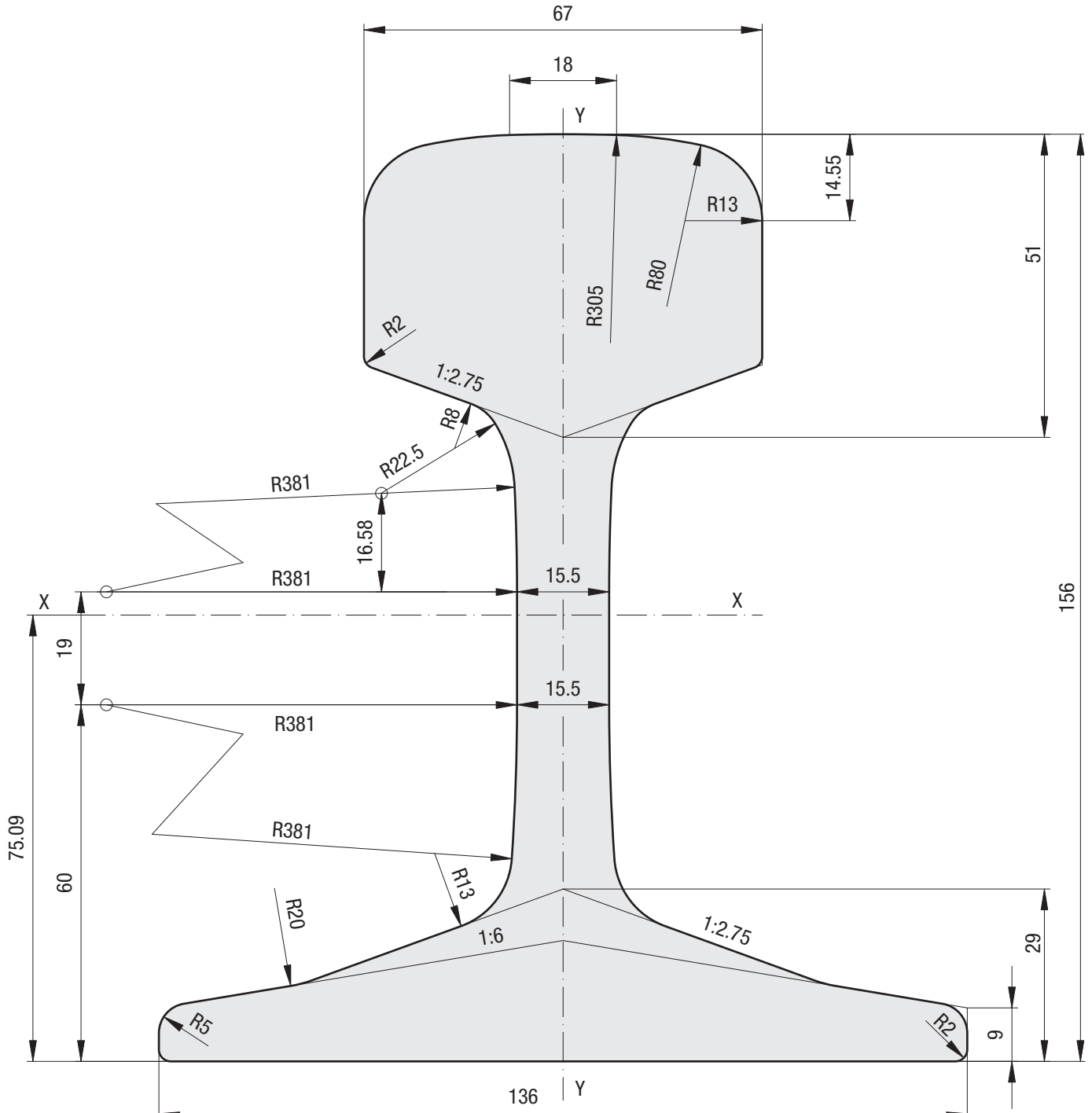
MASSE / MASS		51.51 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		65.62 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1884.4 cm ⁴		
	Y-Y	326.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	238.4 cm ³		
	X-X Fuß / Base	265.6 cm ³		
	Y-Y Achse / Axis	51.4 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-3900

S50 (VRC50)

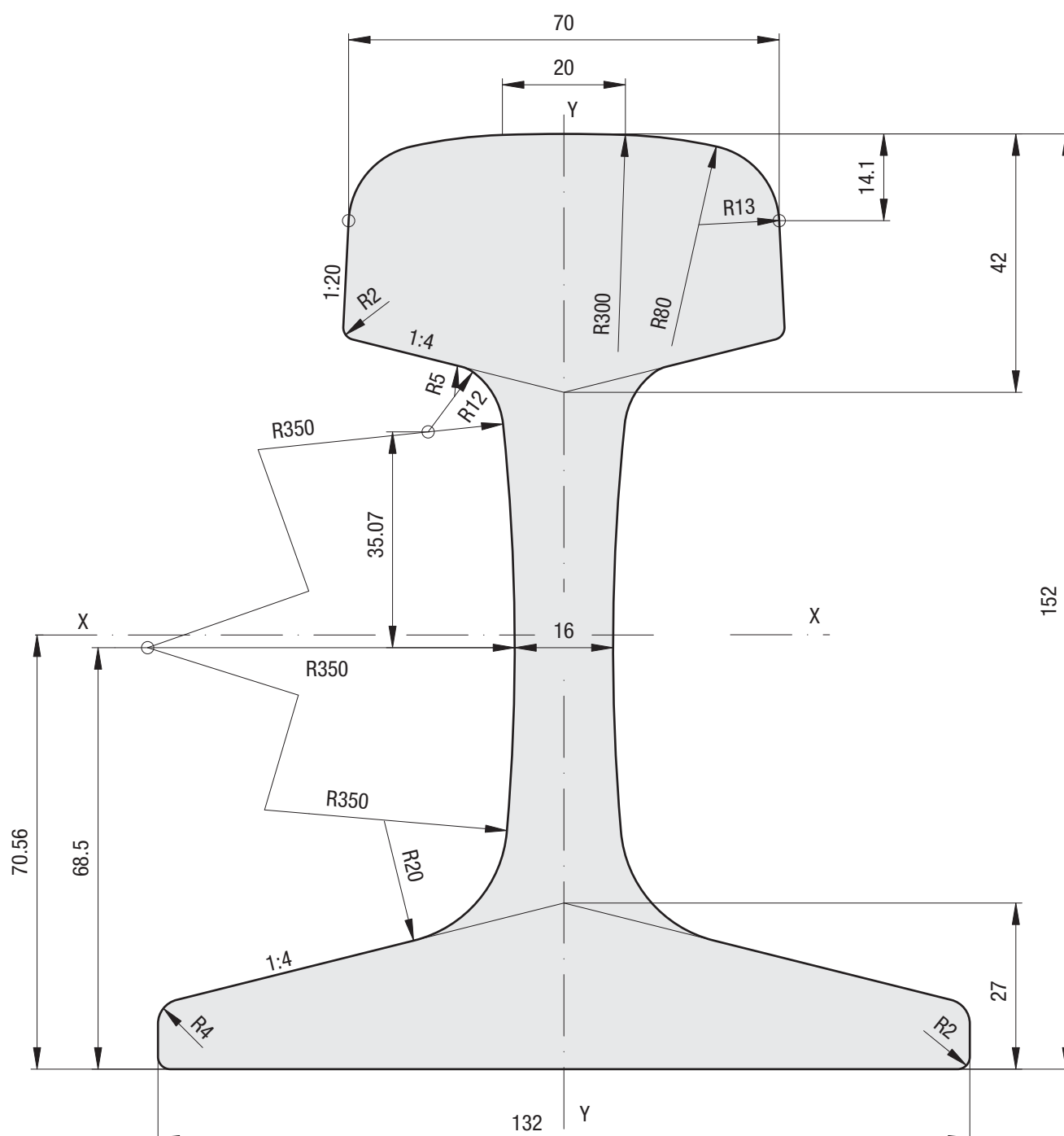
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		51.51 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		65.62 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2026.0 cm ⁴		
	Y-Y	374.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	249.3 cm ³		
	X-X Fuß / Base	286.4 cm ³		
	Y-Y Achse / Axis	56.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4000



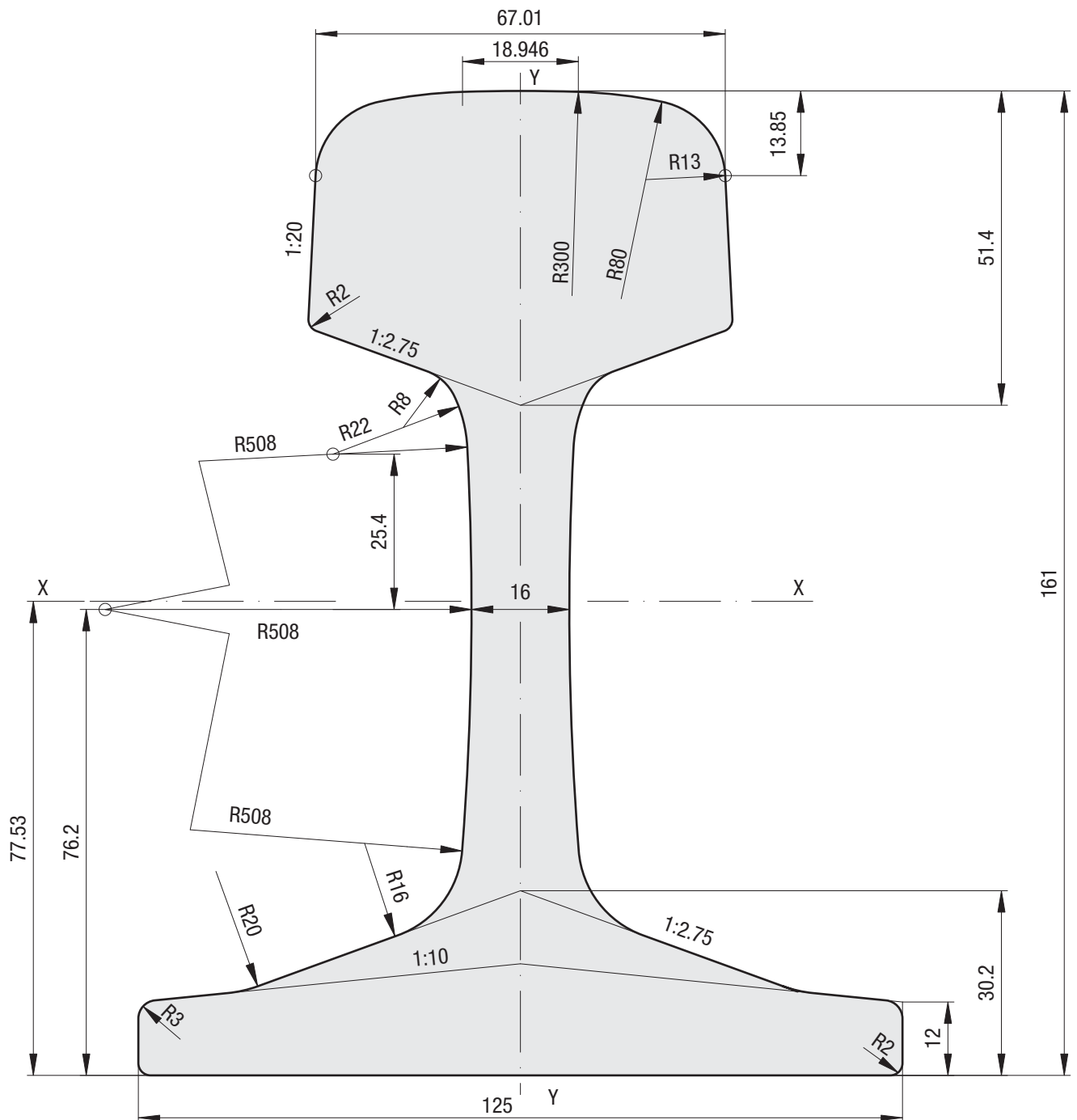
MASSE / MASS		51.65 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		65.80 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2104.0 cm ⁴		
	Y-Y	354.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	260.0 cm ³		
	X-X Fuß / Base	280.2 cm ³		
	Y-Y Achse / Axis	52.1 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4100



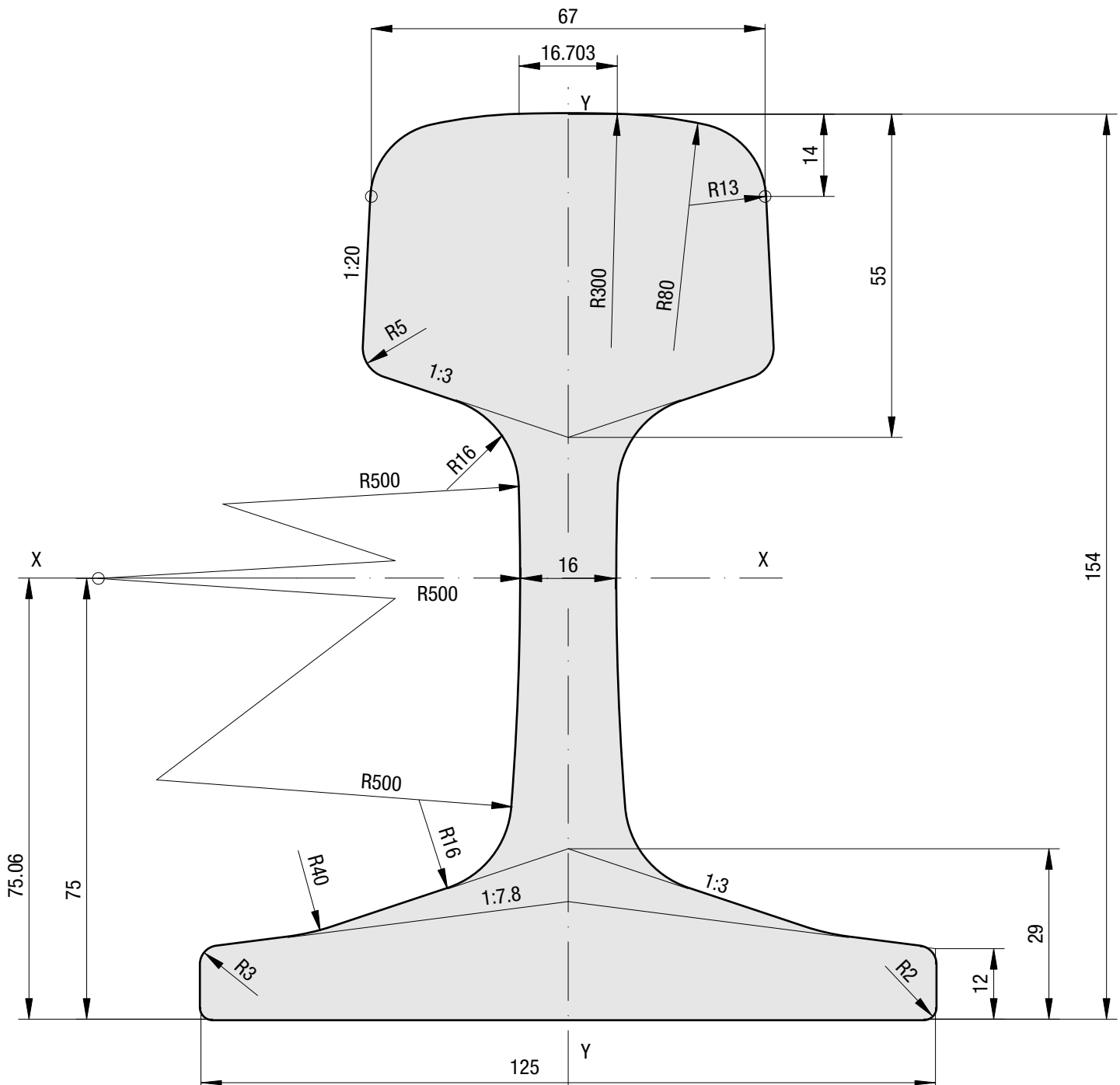
MASSE / MASS		51.80 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		65.99 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2018.0 cm ⁴		
	Y-Y	375.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	247.8 cm ³		
	X-X Fuß / Base	286.0 cm ³		
	Y-Y Achse / Axis	56.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4200

54E2 (UIC54E, SBBIV)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



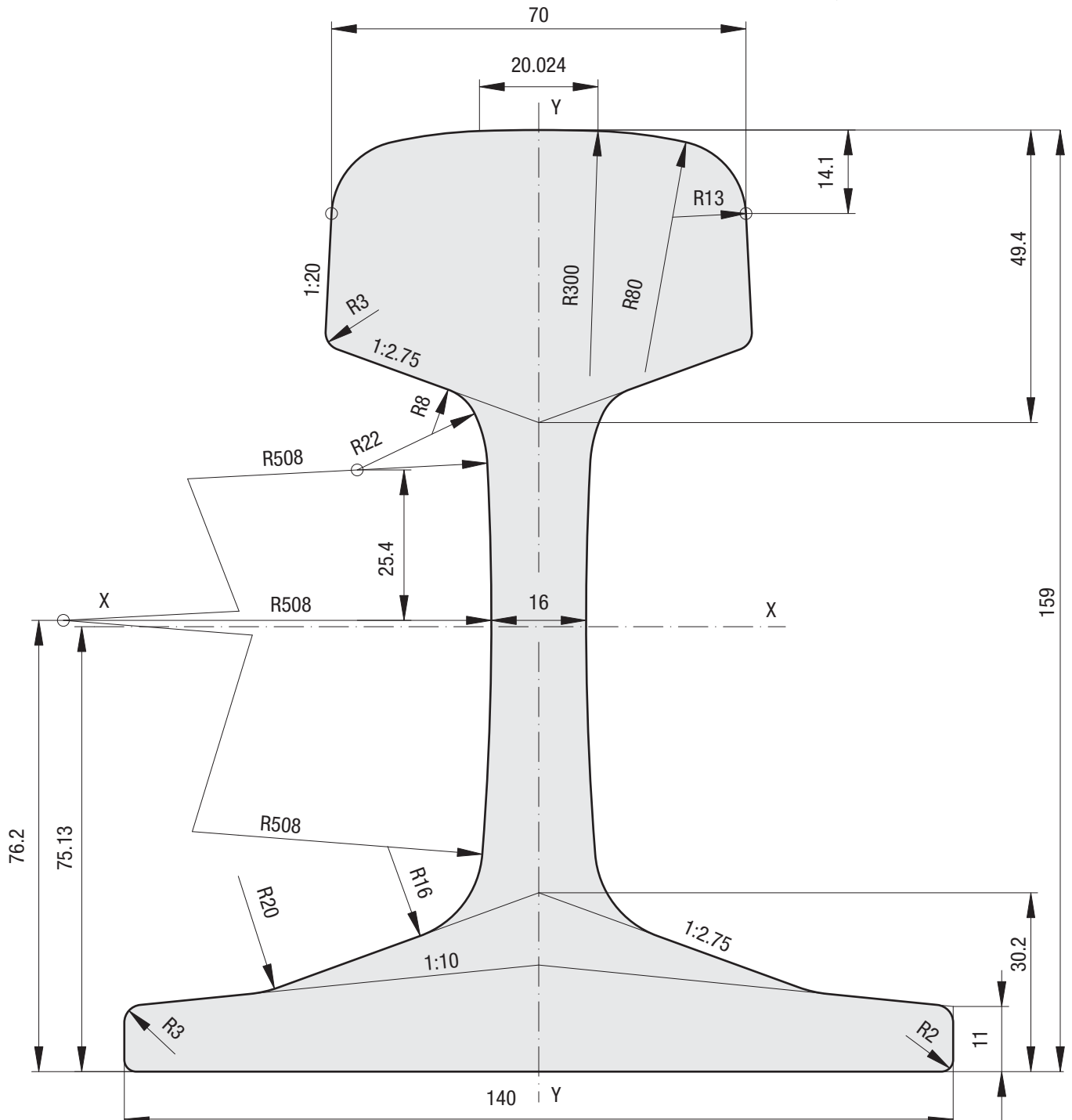
MASSE / MASS		53.82 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		68.56 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2307.0 cm ⁴		
	Y-Y	341.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	276.4 cm ³		
	X-X Fuß / Base	297.6 cm ³		
	Y-Y Achse / Axis	54.6 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4300



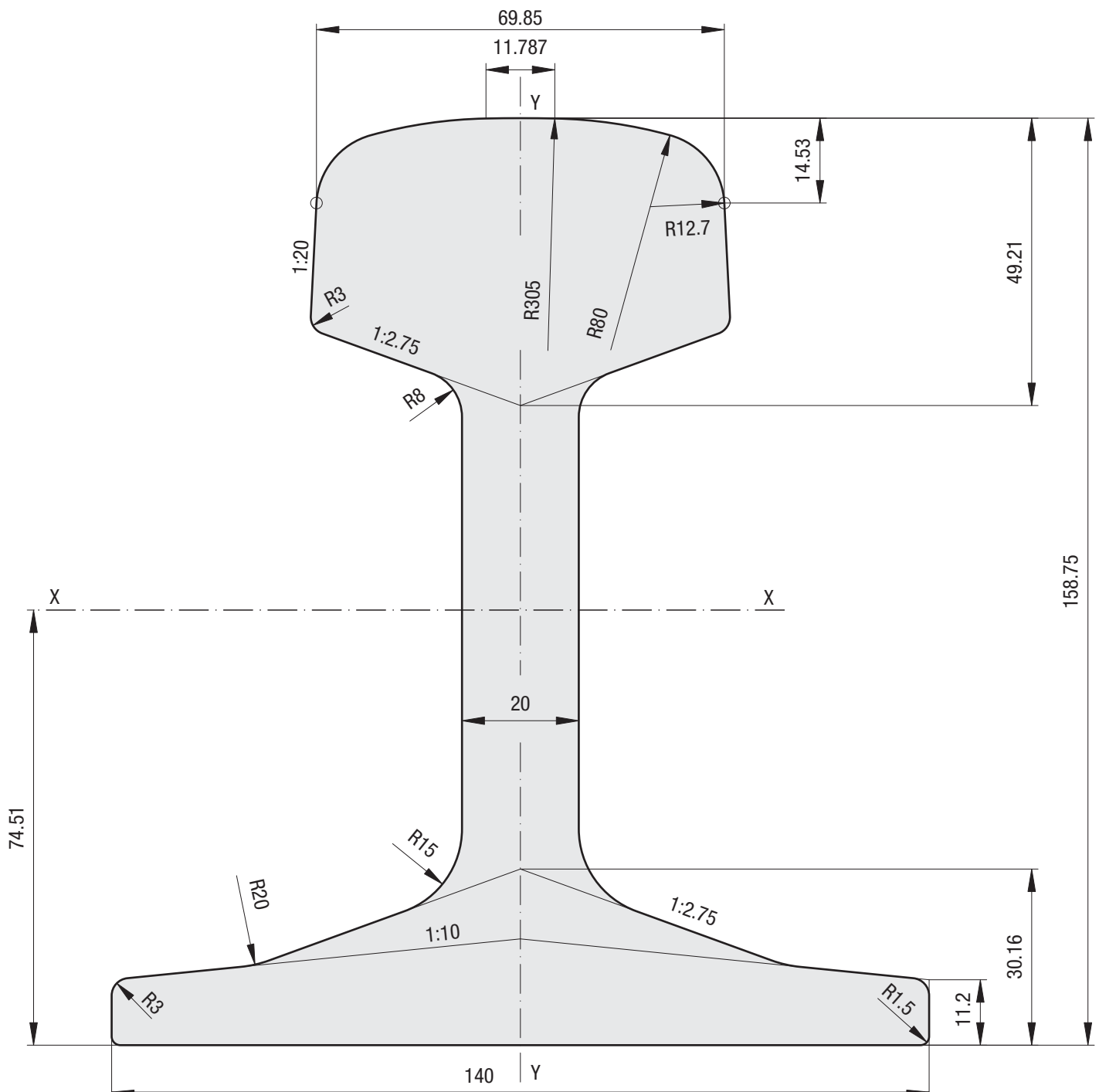
MASSE / MASS		54.54 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		69.48 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2074.0 cm ⁴		
	Y-Y	354.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	262.7 cm ³		
	X-X Fuß / Base	276.3 cm ³		
	Y-Y Achse / Axis	56.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4400

54E1 (UIC54, SBBIII)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



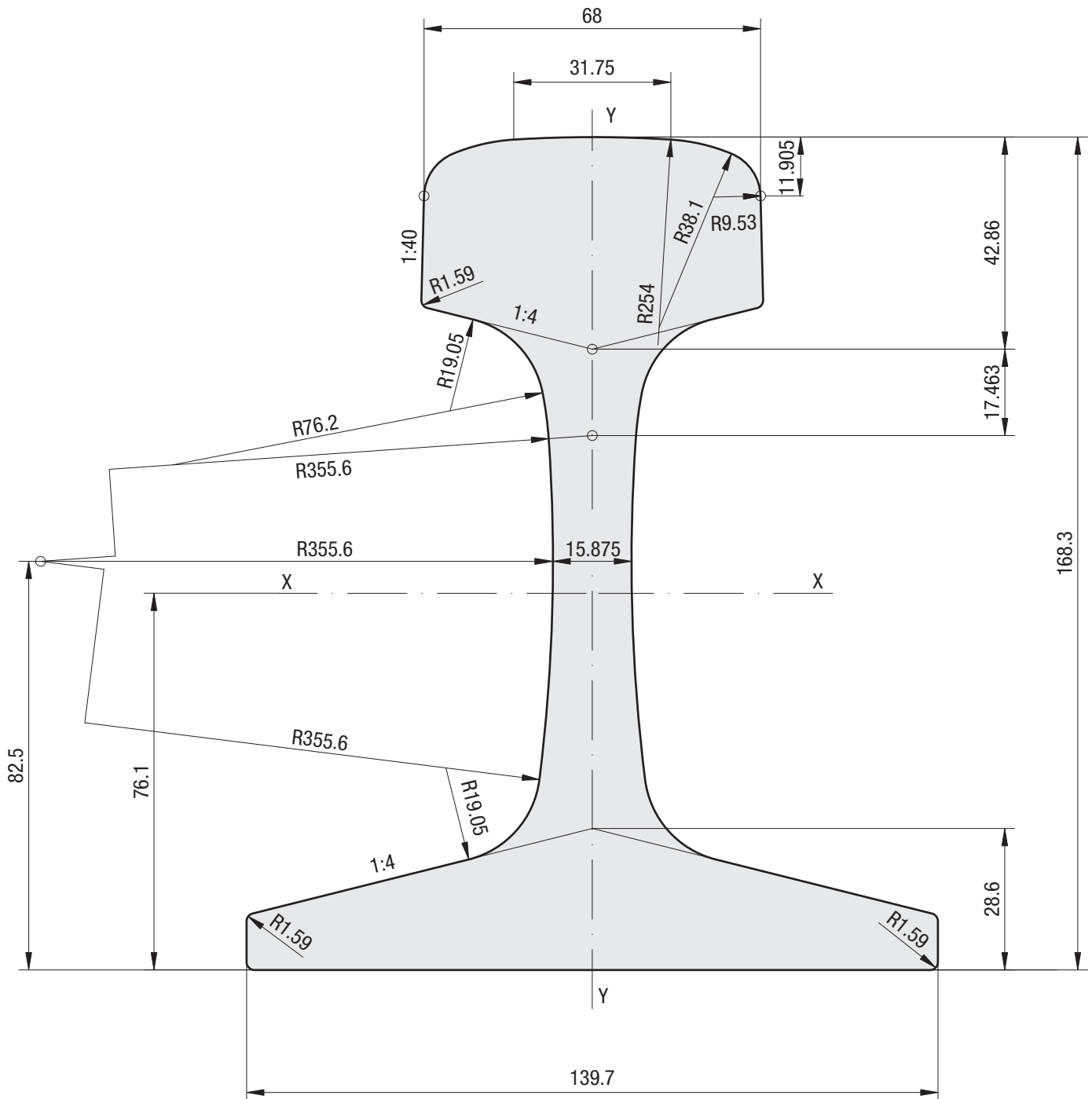
MASSE / MASS		54.77 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		69.77 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2337.9 cm ⁴		
	Y-Y	419.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	278.7 cm ³		
	X-X Fuß / Base	311.2 cm ³		
	Y-Y Achse / Axis	59.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4500



MASSE / MASS		56.3 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		71.69 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2321.0 cm ⁴		
	Y-Y	421.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	275.5 cm ³		
	X-X Fuß / Base	311.5 cm ³		
	Y-Y Achse / Axis	60.2 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4600

AREA115

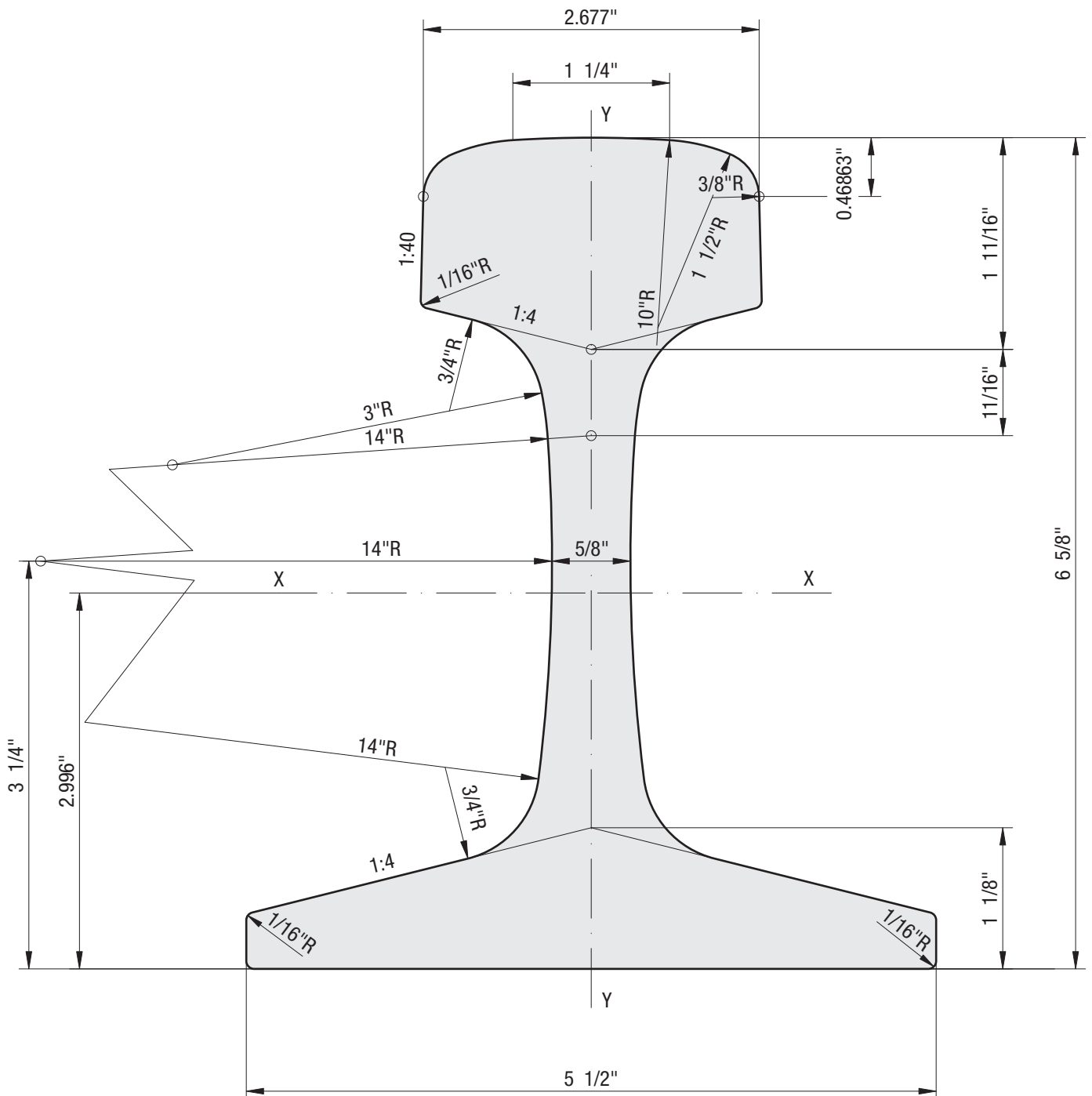
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



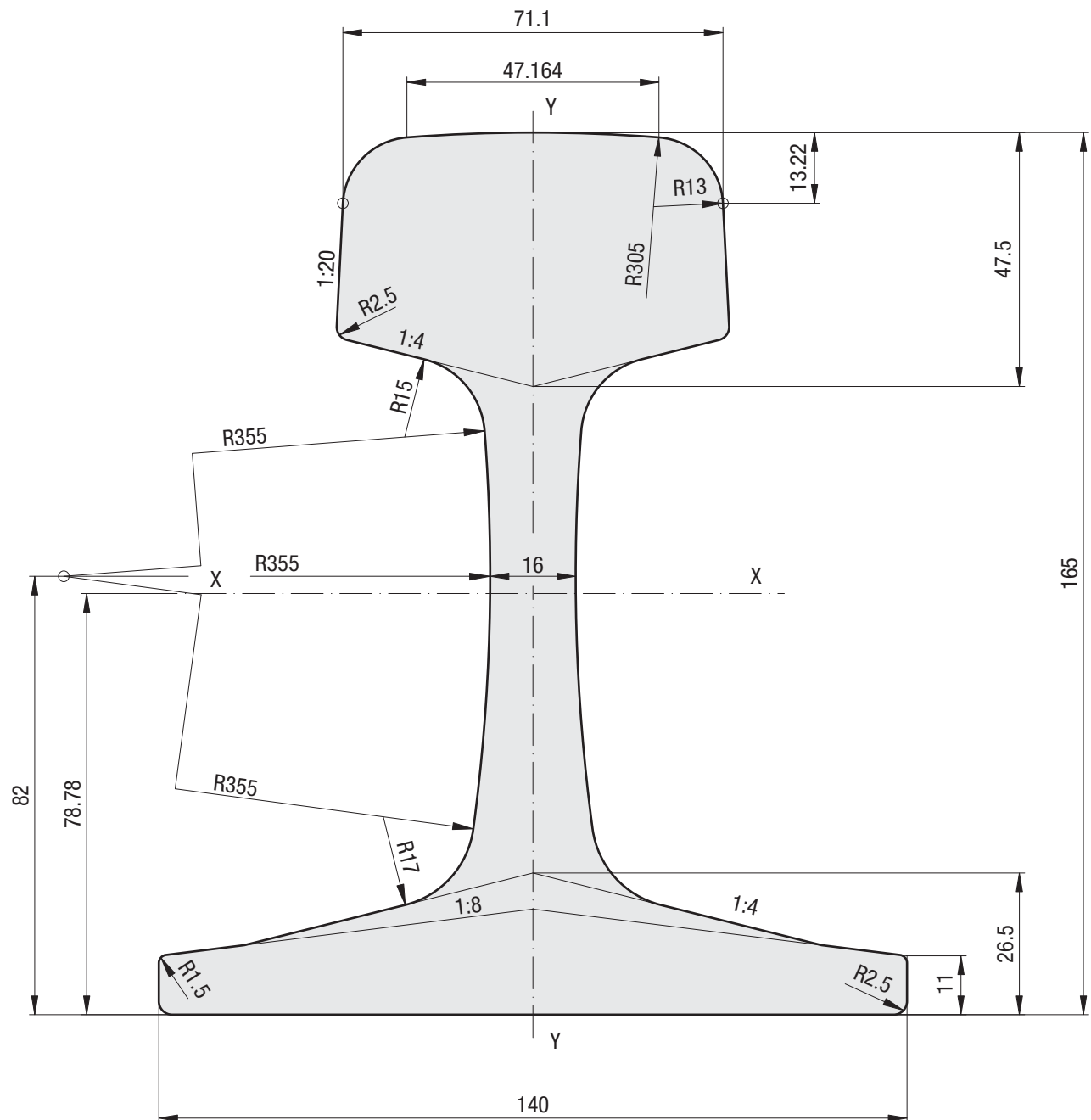
MASSE / MASS		56.97 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		72.57 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2741.0 cm ⁴		
	Y-Y	446.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	297.4 cm ³		
	X-X Fuß / Base	360.2 cm ³		
	Y-Y Achse / Axis	64.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4700

AREA115

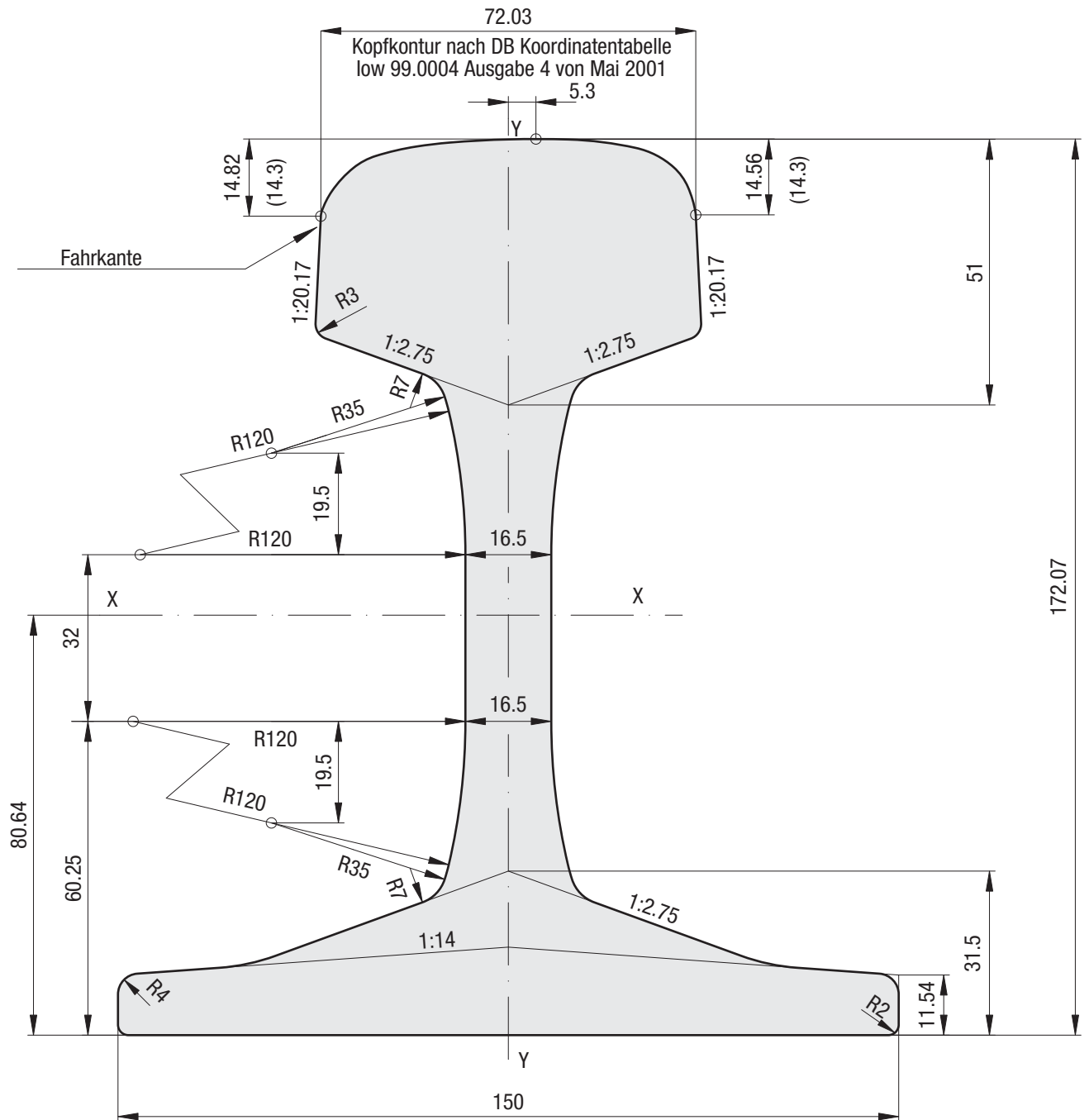
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



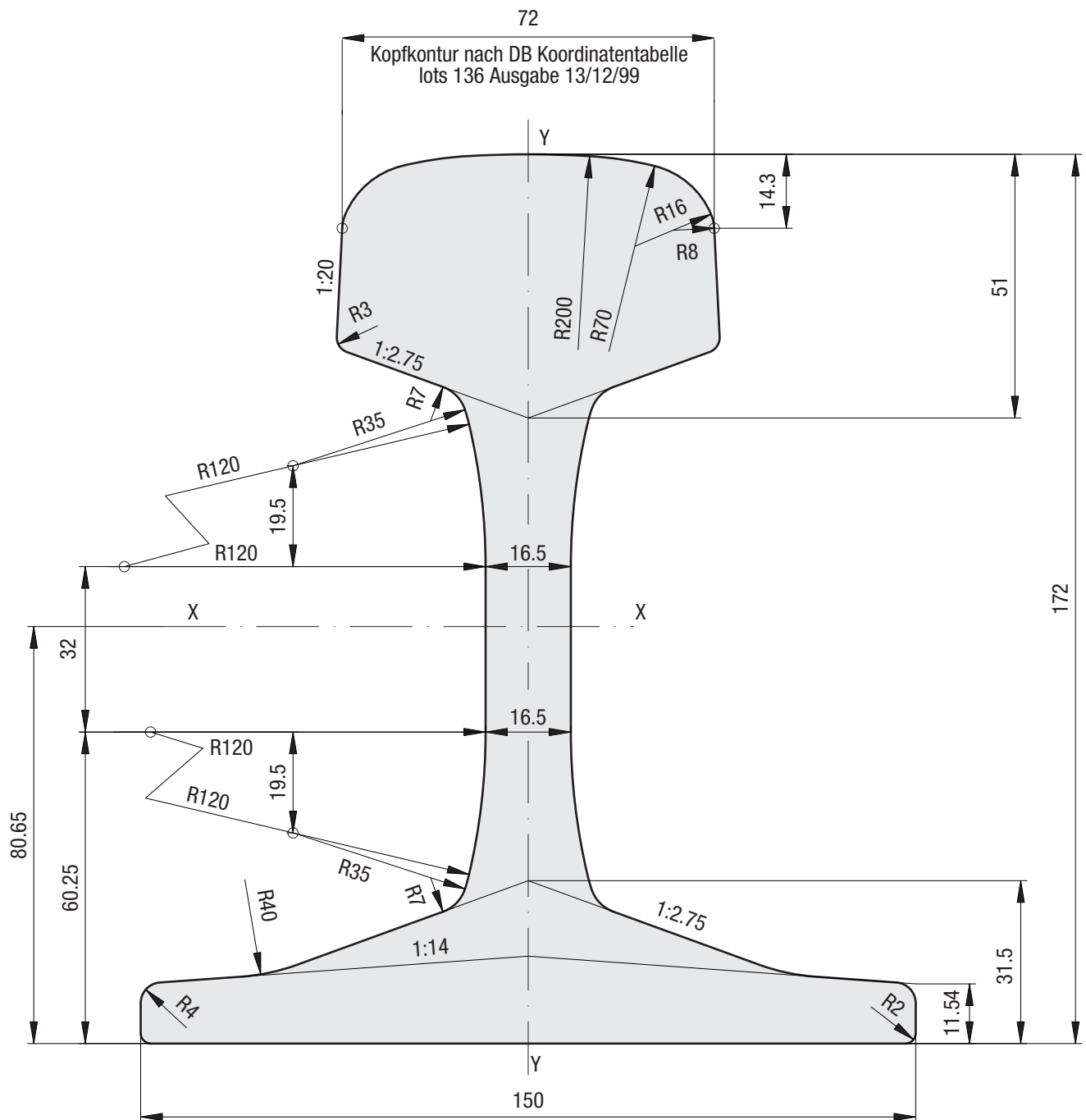
MASSE / MASS		114.7 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		11.25 in ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	65.9 in ⁴		
	Y-Y	10.7 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	18.1 in ³		
	X-X Fuß / Base	22 in ³		
	Y-Y Achse / Axis	3.9 in ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4700A



MASSE / MASS		57.38 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		73.09 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2644.7 cm ⁴		
	Y-Y	440.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	335.8 cm ³		
	X-X Fuß / Base	306.7 cm ³		
	Y-Y Achse / Axis	63.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-4800



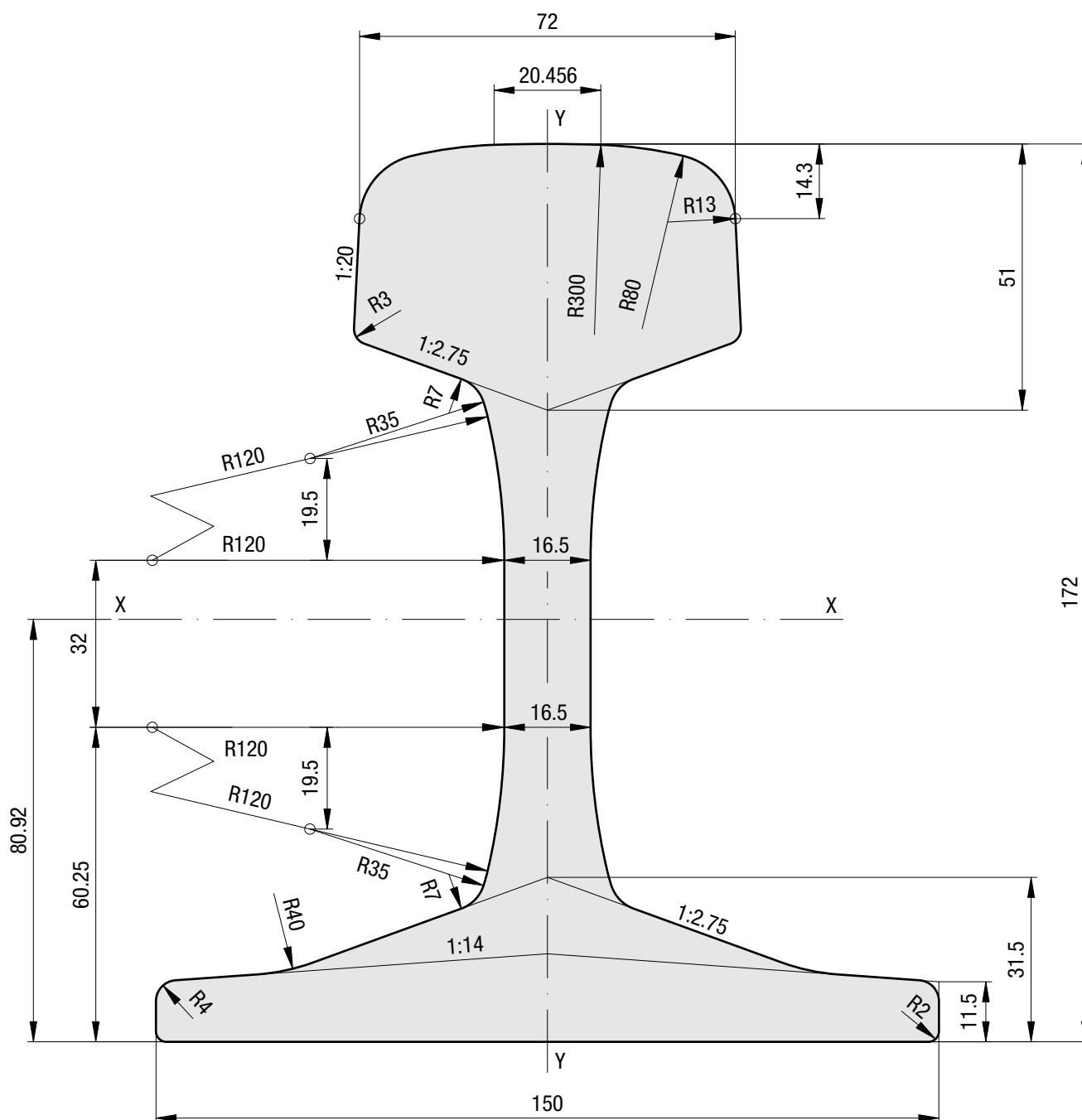
MASSE / MASS	60.04 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	76.48 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X 3021.0 cm ⁴		
	Y-Y 511.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head 330.4 cm ³		
	X-X Fuß / Base 374.6 cm ³		
	Y-Y links / left 69.2 cm ³		
	Y-Y rechts / right 67.2 cm ³	BLATTNUMMER / NUMBER OF SHEET	VI-4900



MASSE / MASS		60.05 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		76.5 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3022 cm ⁴		
	Y-Y	511.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	330.4 cm ³		
	X-X Fuß / Base	374.7 cm ³		
	Y-Y Achse / Axis	68.2 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5000

60E1 (UIC60, SBBVI)

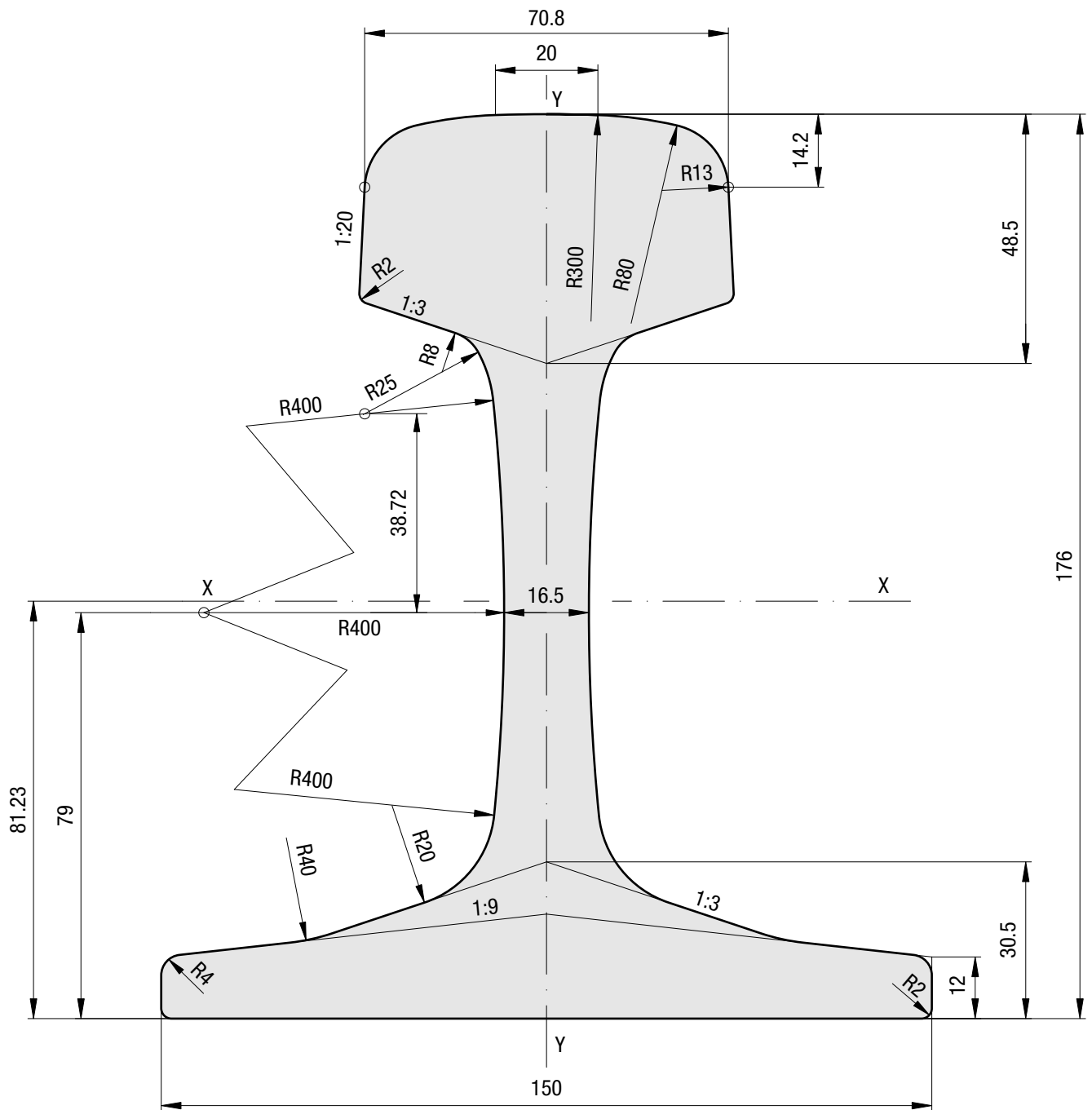
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



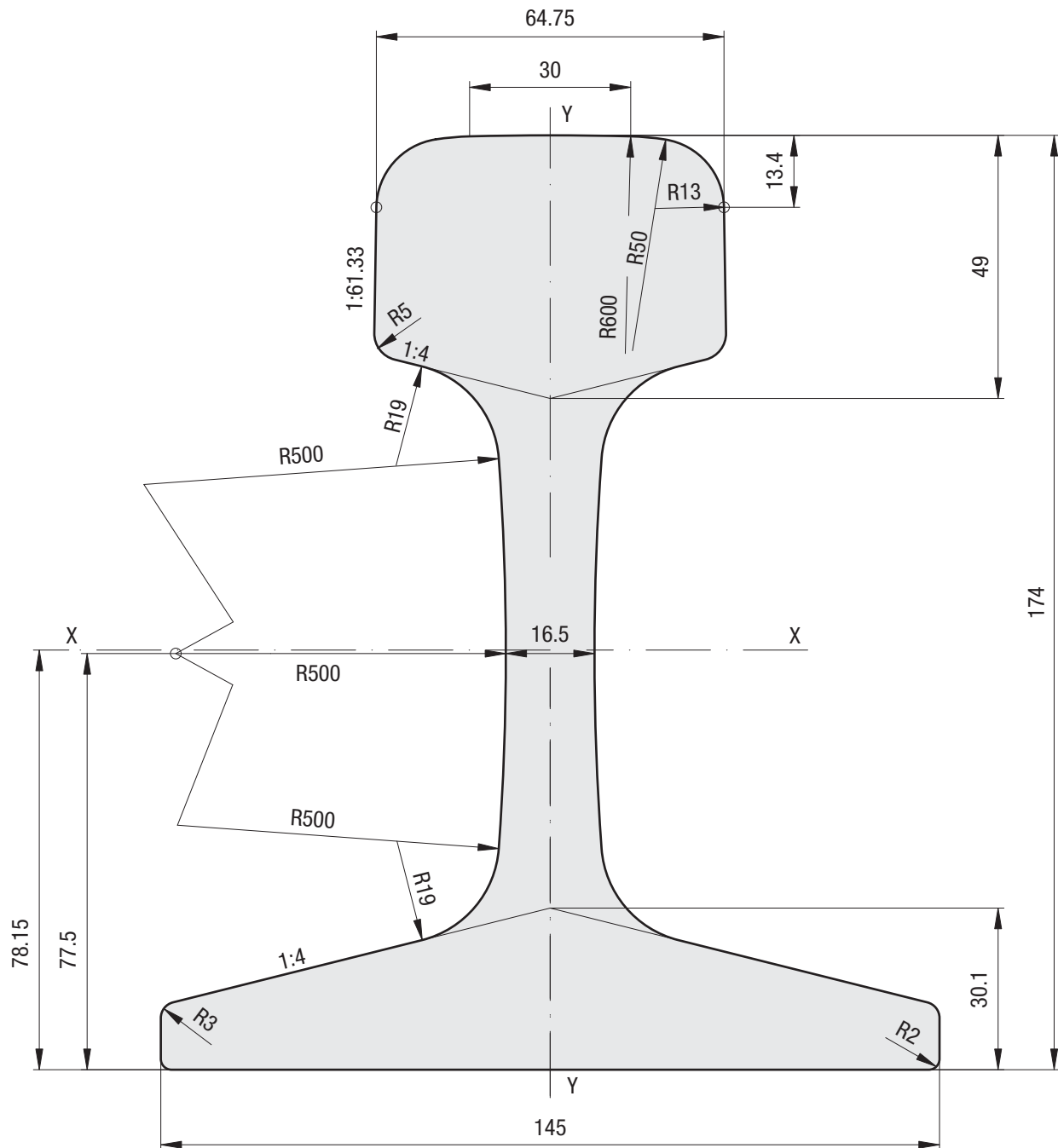
MASSE / MASS		60.21 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		76.70 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3038.3 cm ⁴		
	Y-Y	512.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	333.6 cm ³		
	X-X Fuß / Base	375.5 cm ³		
	Y-Y Achse / Axis	68.3 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5100

S60 (VRC60)

VIGNOLSCHIENEN, FLAT BOTTOM RAILS

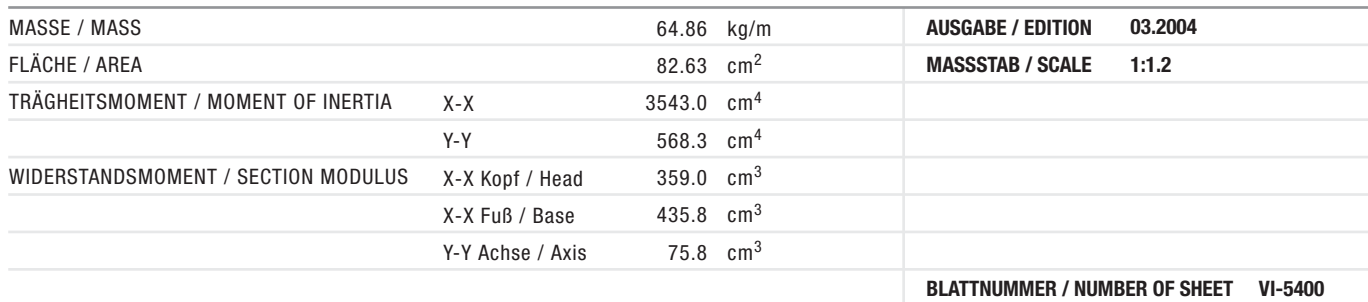


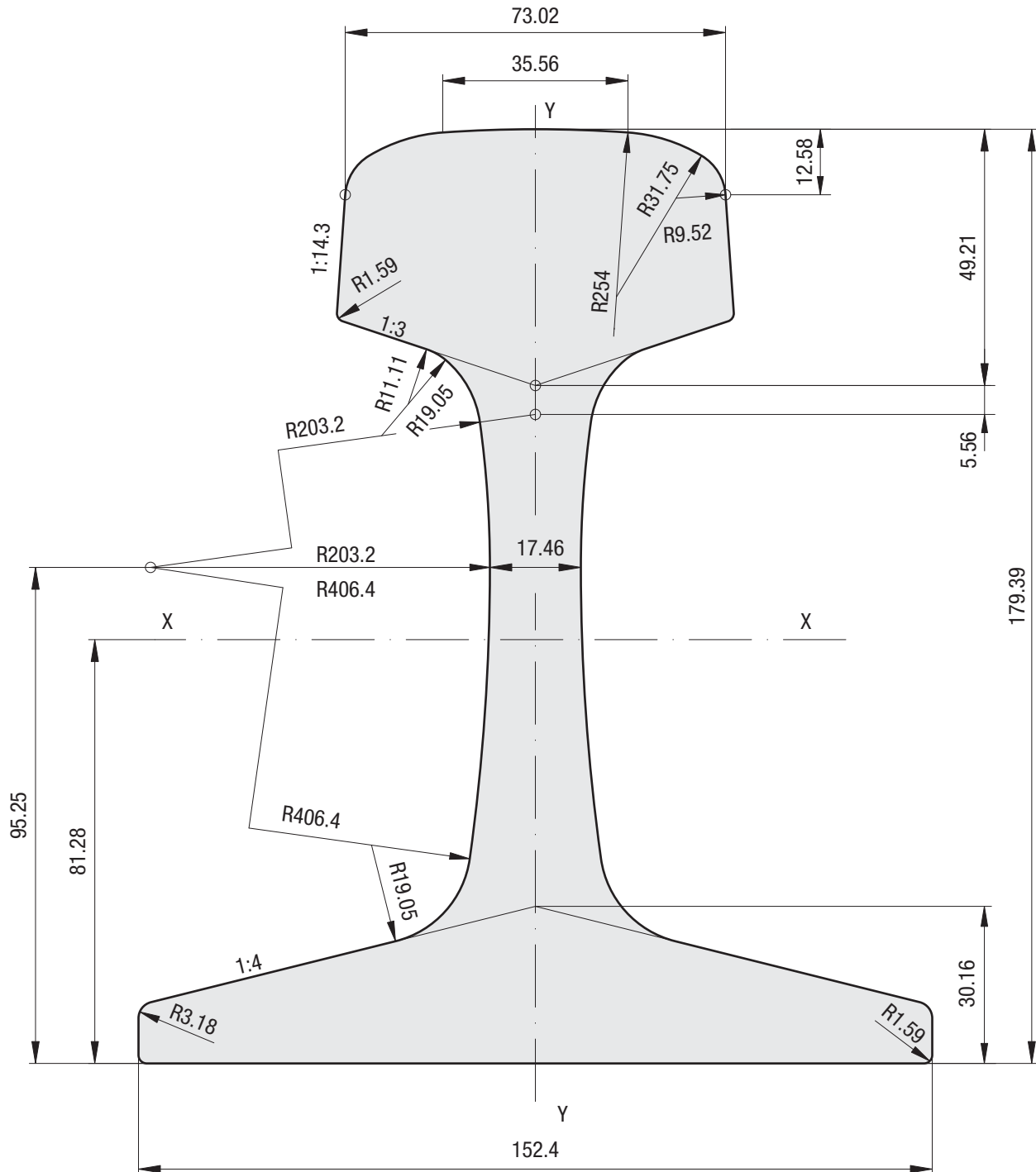
MASSE / MASS		60.80 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.45 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3216.0 cm ⁴		
	Y-Y	523.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	339.3 cm ³		
	X-X Fuß / Base	395.9 cm ³		
	Y-Y Achse / Axis	69.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5200



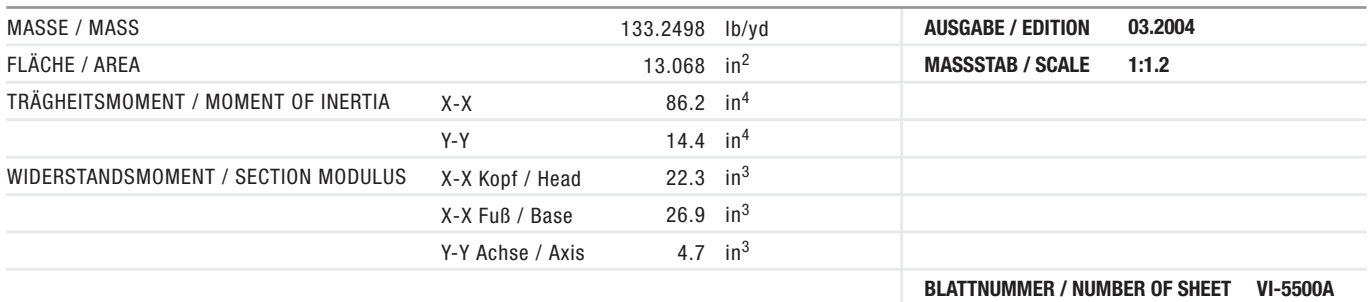
MASSE / MASS		61.01 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.72 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3100.0 cm ⁴		
	Y-Y	515.0 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	323.5 cm ³		
	X-X Fuß / Base	396.6 cm ³		
	Y-Y Achse / Axis	71.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5300

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



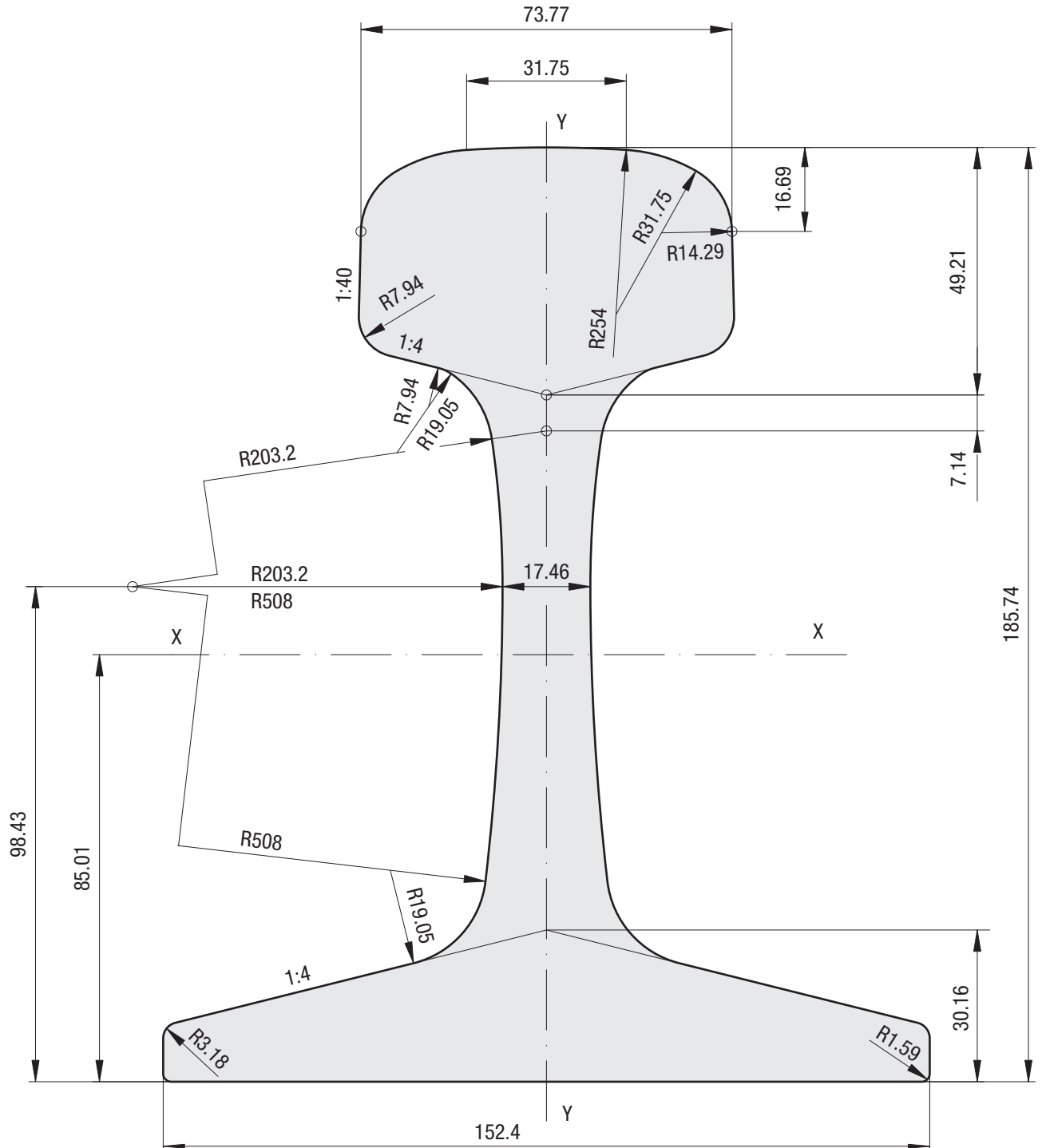


MASSE / MASS		66.19 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		84.32 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3588.6 cm ⁴		
	Y-Y	600.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	366.1 cm ³		
	X-X Fuß / Base	441.0 cm ³		
	Y-Y Achse / Axis	78.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5500



AREA136RE

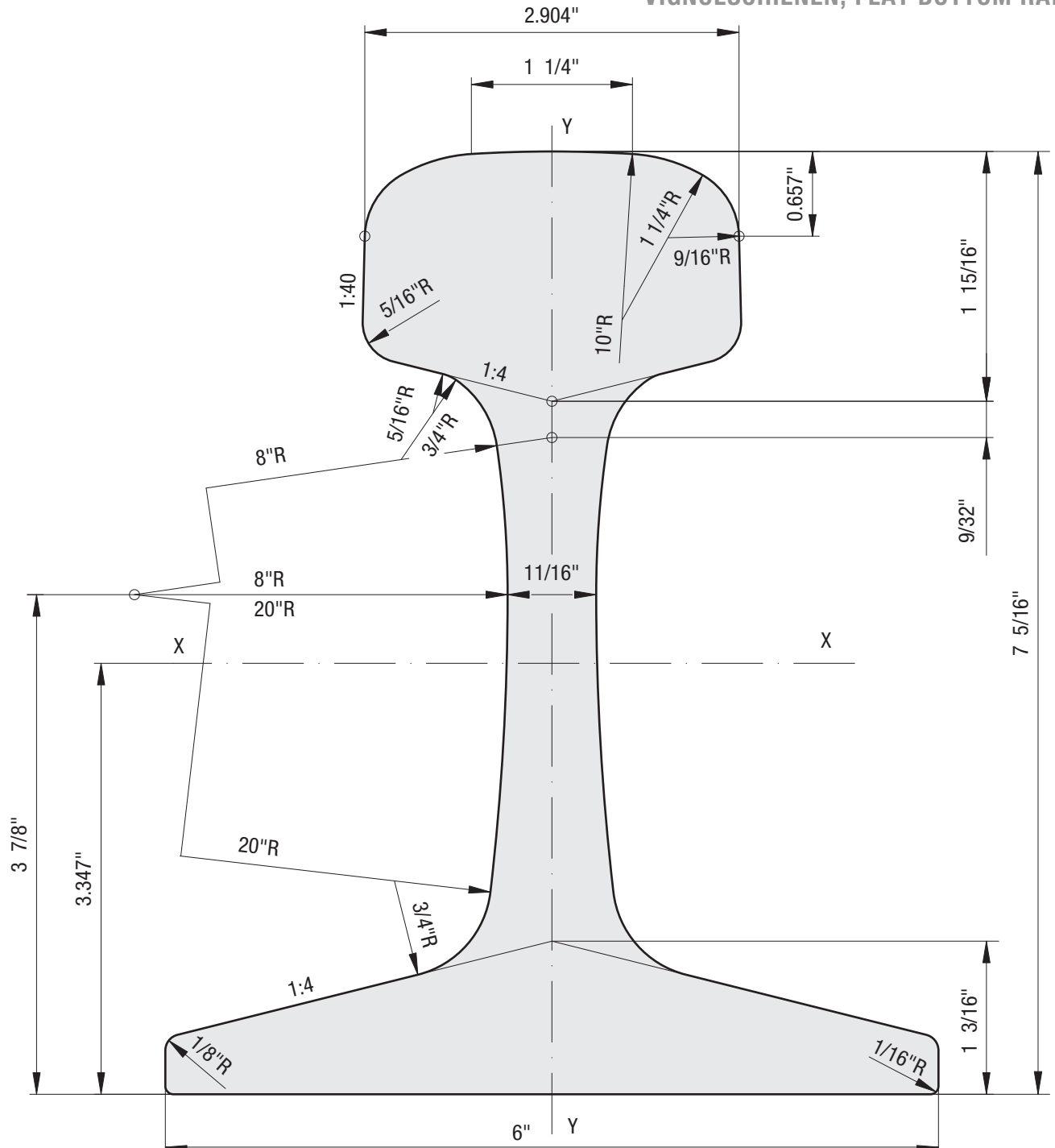
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		67.49 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		85.98 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3922.6 cm ⁴		
	Y-Y	601.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	389.0 cm ³		
	X-X Fuß / Base	462.0 cm ³		
	Y-Y Achse / Axis	78.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5600

AREA136RE

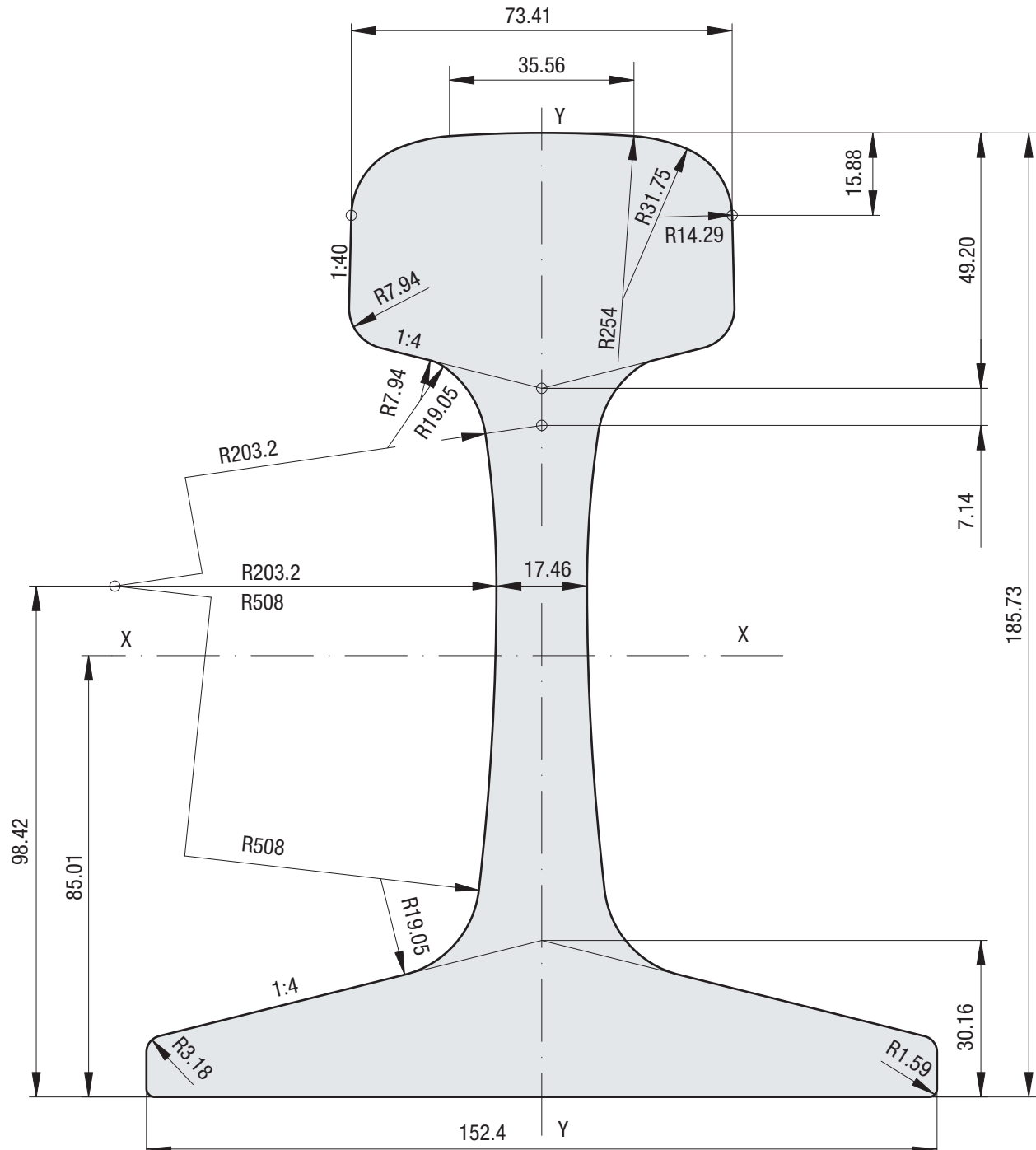
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		135.8826 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		13.32 in ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	94.2 in ⁴		
	Y-Y	14.44 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	23.7 in ³		
	X-X Fuß / Base	28.8 in ³		
	Y-Y Achse / Axis	4.74 in ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5600A

AREA136RE IH

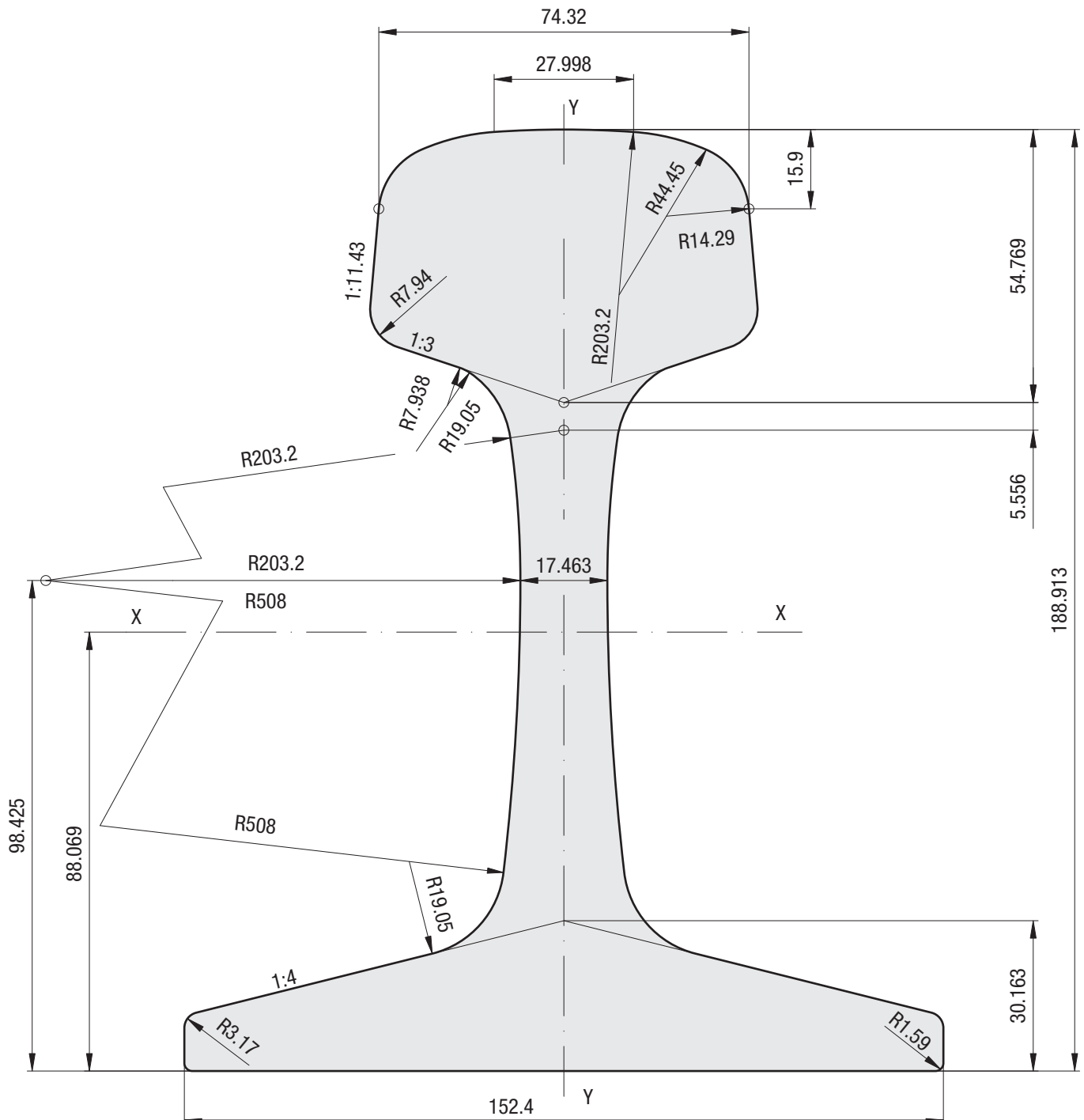
VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		67.56 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		86.06 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3933.0 cm ⁴		
	Y-Y	601.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	390.5 cm ³		
	X-X Fuß / Base	462.6 cm ³		
	Y-Y Achse / Axis	78.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5700

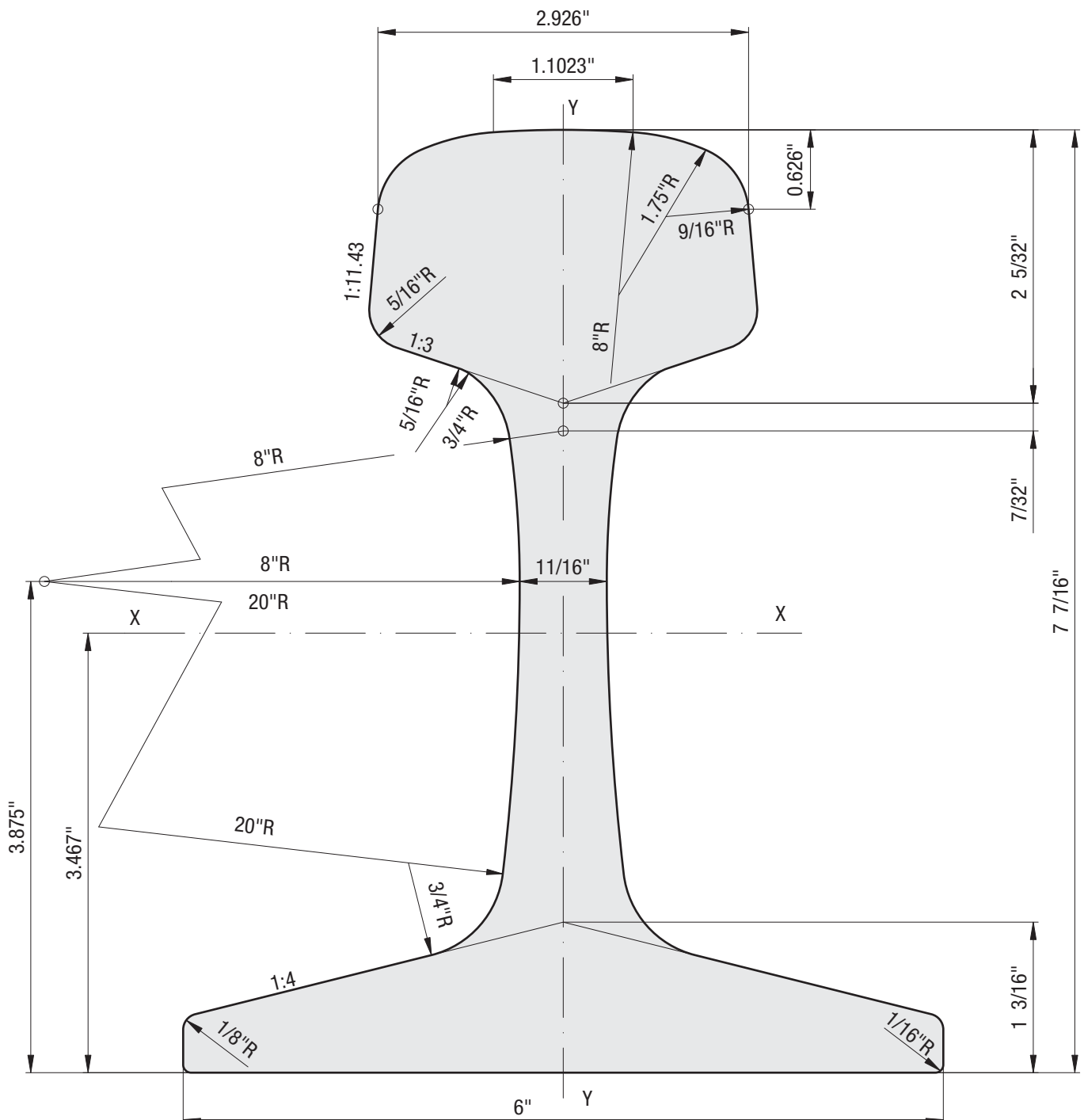
AREA141AB

VIGNOLSCHIENEN, FLAT BOTTOM RAILS

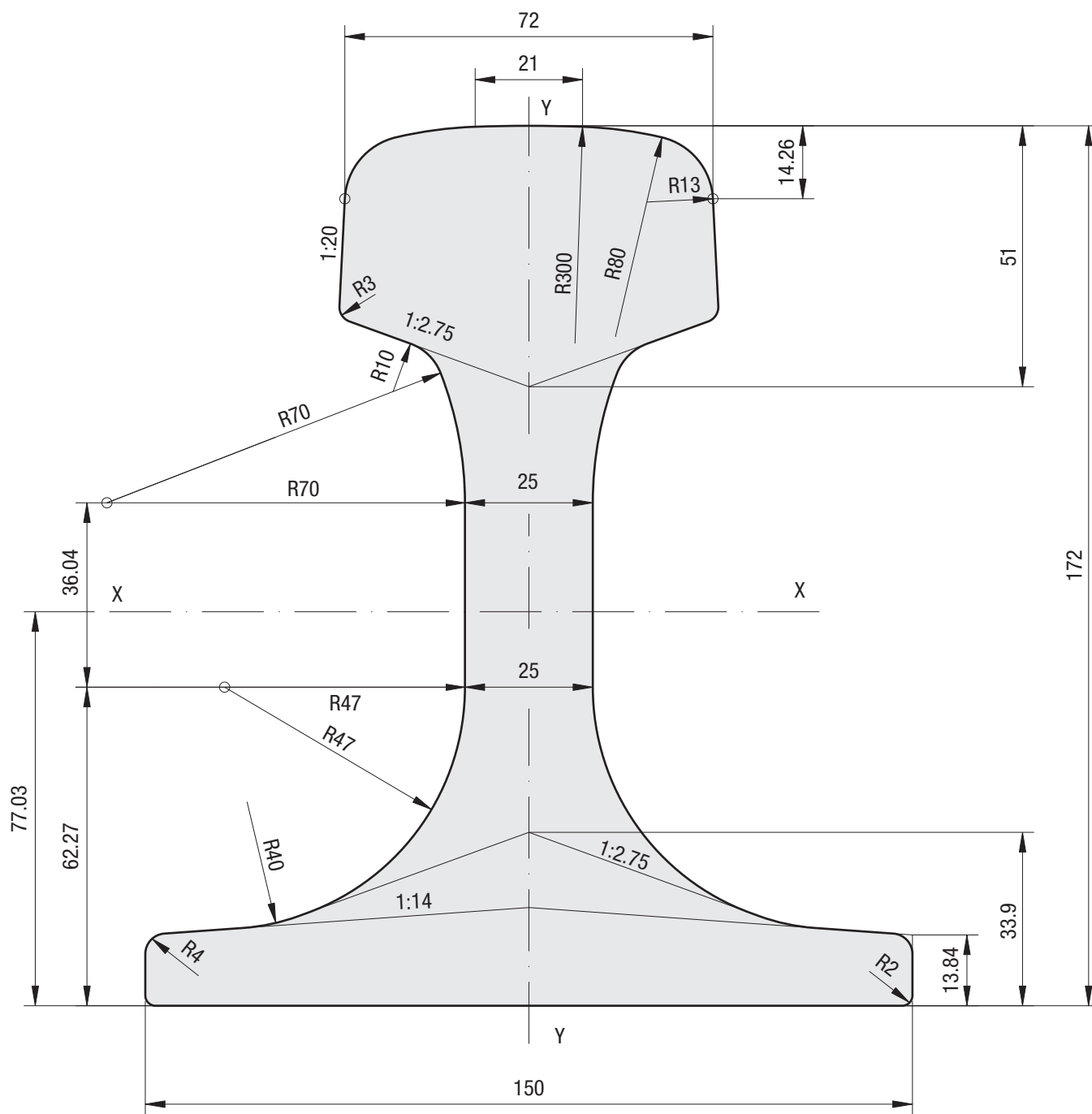


MASSE / MASS		69.88	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		89.02	cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	4180.0	cm ⁴		
	Y-Y	620.7	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	414.5	cm ³		
	X-X Fuß / Base	474.6	cm ³		
	Y-Y Achse / Axis	81.5	cm ³		
				BLATTNUMMER / NUMBER OF SHEET	VI-5800

VIGNOLSCHIENEN, FLAT BOTTOM RAILS



MASSE / MASS		140.75	lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		13.7972	in ²	MASSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	100.6	in ⁴		
	Y-Y	14.9	in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	24.9	in ³		
	X-X Fuß / Base	28.6	in ³		
	Y-Y Achse / Axis	4.9	in ³		
				BLATTNUMMER / NUMBER OF SHEET	VI-5800A



MASSE / MASS		71.44 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		91.0 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3281.4 cm ⁴		
	Y-Y	603.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	345.5 cm ³		
	X-X Fuß / Base	426.0 cm ³		
	Y-Y Achse / Axis	80.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VI-5900

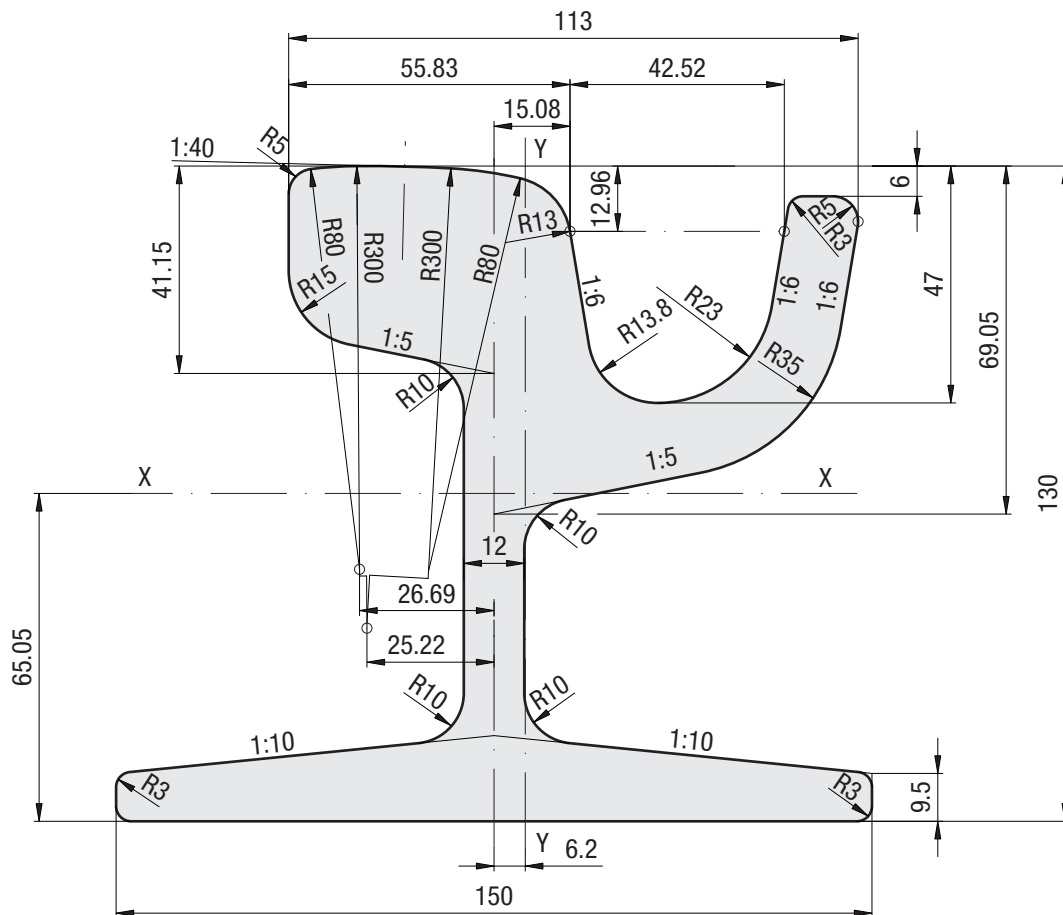
RILLENSCHIENEN / GROOVED RAILS

51Ri1 (Ri52-13)	RI-1100
52Ri1 (Rilr-R14)	RI-1200
53Ri1 (Ri53-13, Ri53N)	RI-1300
56Ri1 (Rilc-R14)	RI-1400
57Ri1 (RiPh37)	RI-1500
59Ri2 (Ri59-13, Ri59N)	RI-1600
59Ri1 (Ri59-10, Ri59)	RI-1700
60Ri3 (Ri210/95+80)	RI-1800
60Ri2 (Ri60-13, Ri60N)	RI-1900
60Ri1 (Ri60-10, Ri60)	RI-2000
Ri60N/L	RI-2100
61C1 (Rili-R14)	RI-2200
62Ri2 (RiNP4aS)	RI-2300
62Ri1 (RiNP4aM)	RI-2400
63Ri1 (Ri210/95+80a)	RI-2500
RiPh37N	RI-2600
RiPh37A	RI-2700
75C1 (BA75)	RI-2800
VKRi60	RI-2900
195C1 (DST180/105)	RI-3000
310C1 (BL180/260)	RI-3100



51Ri1 (Ri52-13)

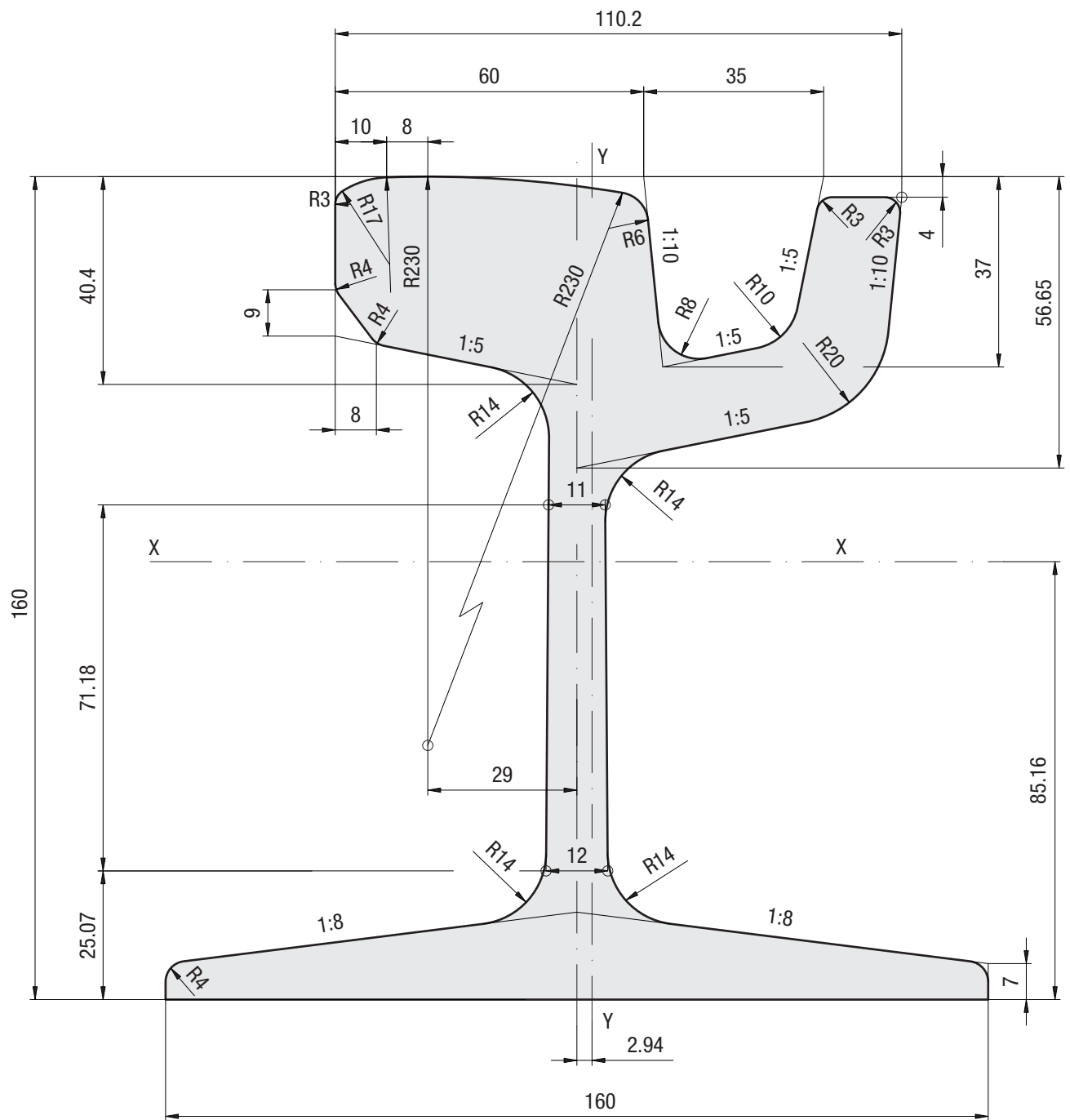
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		51.37 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		65.44 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1288.7 cm ⁴		
	Y-Y	695.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	198.4 cm ³		
	X-X Fuß / Base	198.1 cm ³		
	Y-Y links / left	85.7 cm ³		
	Y-Y rechts / right	101.1 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1100

52Ri1 (Rilr-R14)

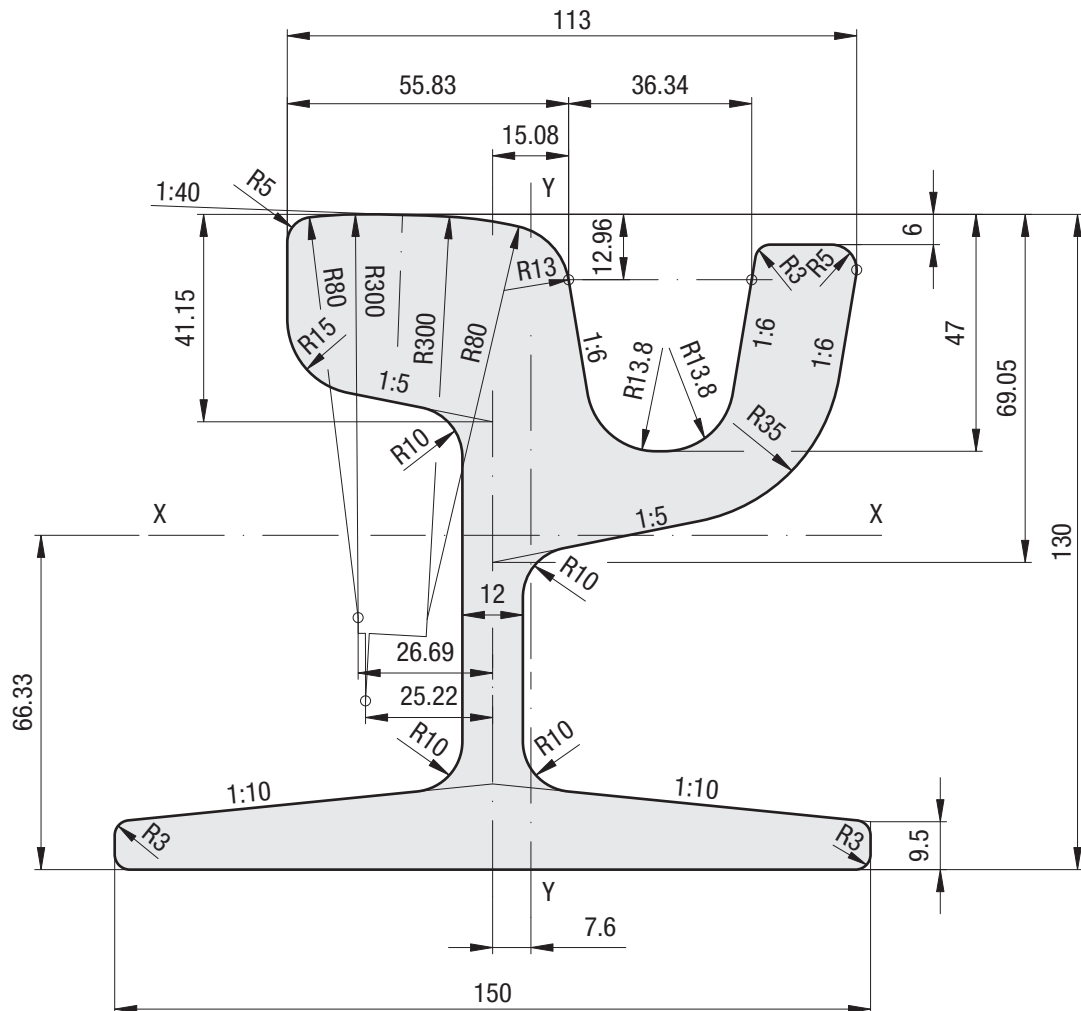
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		52.42 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		66.78 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2310 cm ⁴		
	Y-Y	659 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	309 cm ³		
	X-X Fuß / Base	271 cm ³		
	Y-Y links / left	80 cm ³		
	Y-Y rechts / right	86 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1200

53Ri1 (Ri53-13, Ri53N)

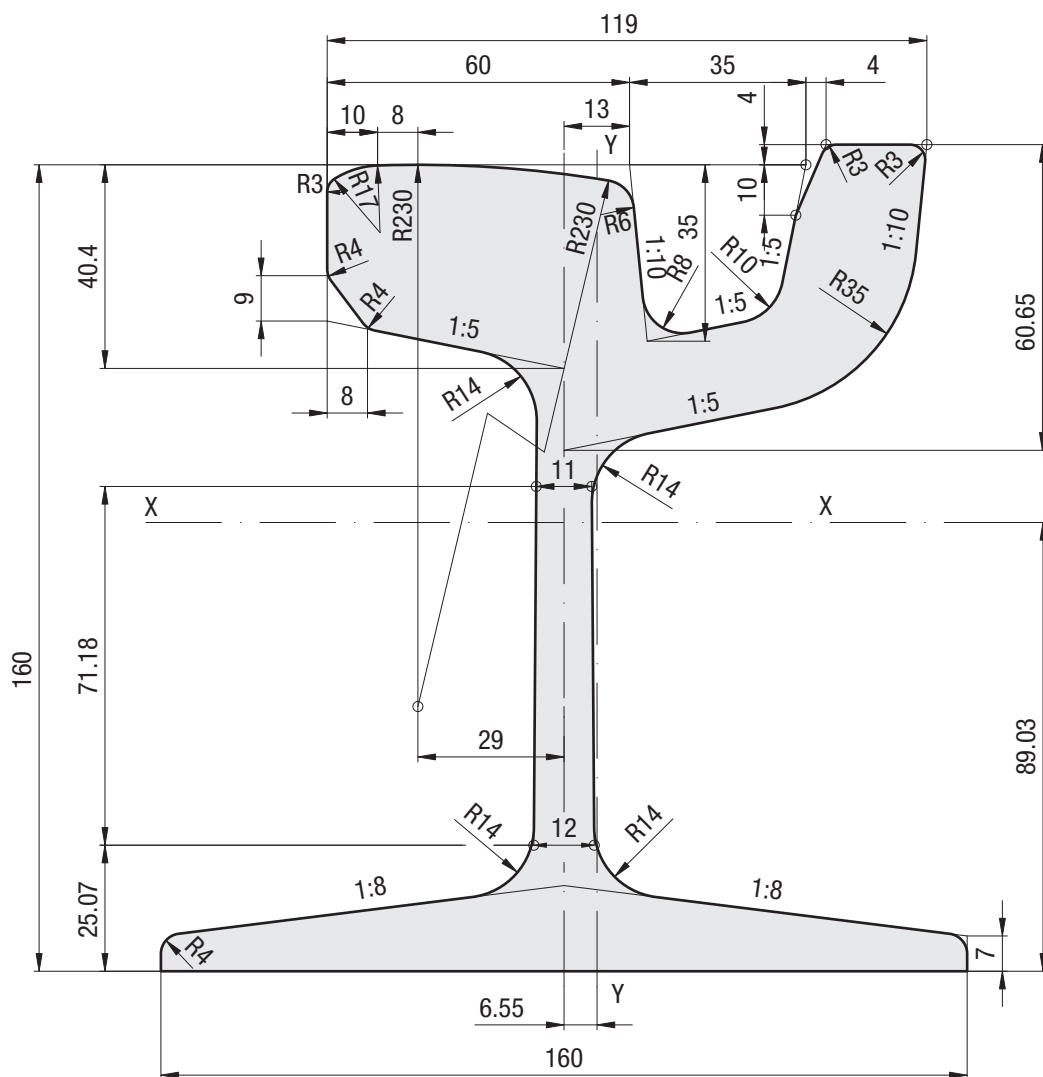
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		52.97 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		67.48 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1326.0 cm ⁴		
	Y-Y	738.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	208.3 cm ³		
	X-X Fuß / Base	199.9 cm ³		
	Y-Y links / left	89.4 cm ³		
	Y-Y rechts / right	109.6 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1300

56Ri1 (Rilc-R14)

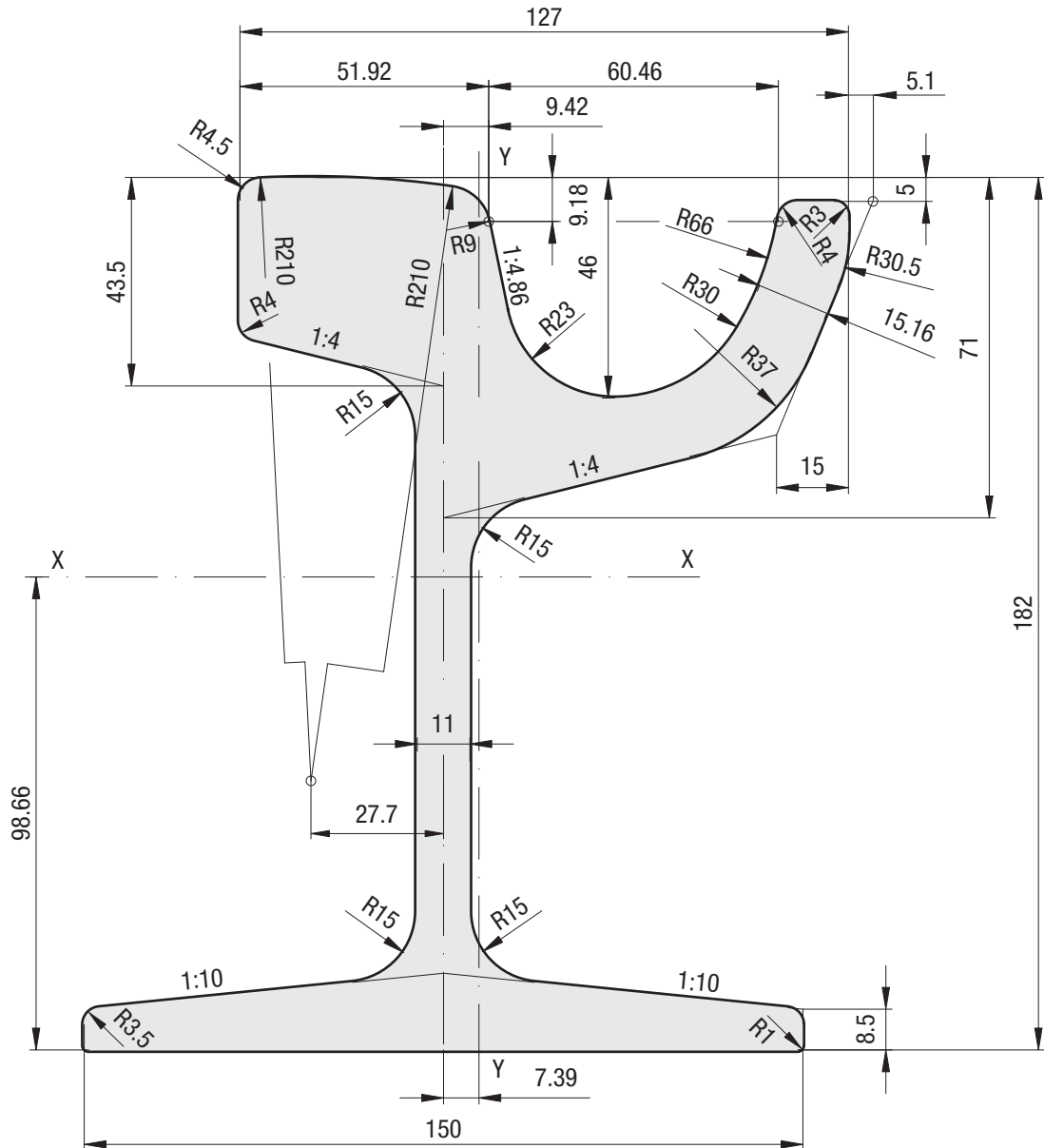
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		55.96 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		71.29 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2475.0 cm ⁴		
	Y-Y	801.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	348.7 cm ³		
	X-X Fuß / Base	278.0 cm ³		
	Y-Y links / left	92.6 cm ³		
	Y-Y rechts / right	109.1 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1400

57Ri1 (RiPh37)

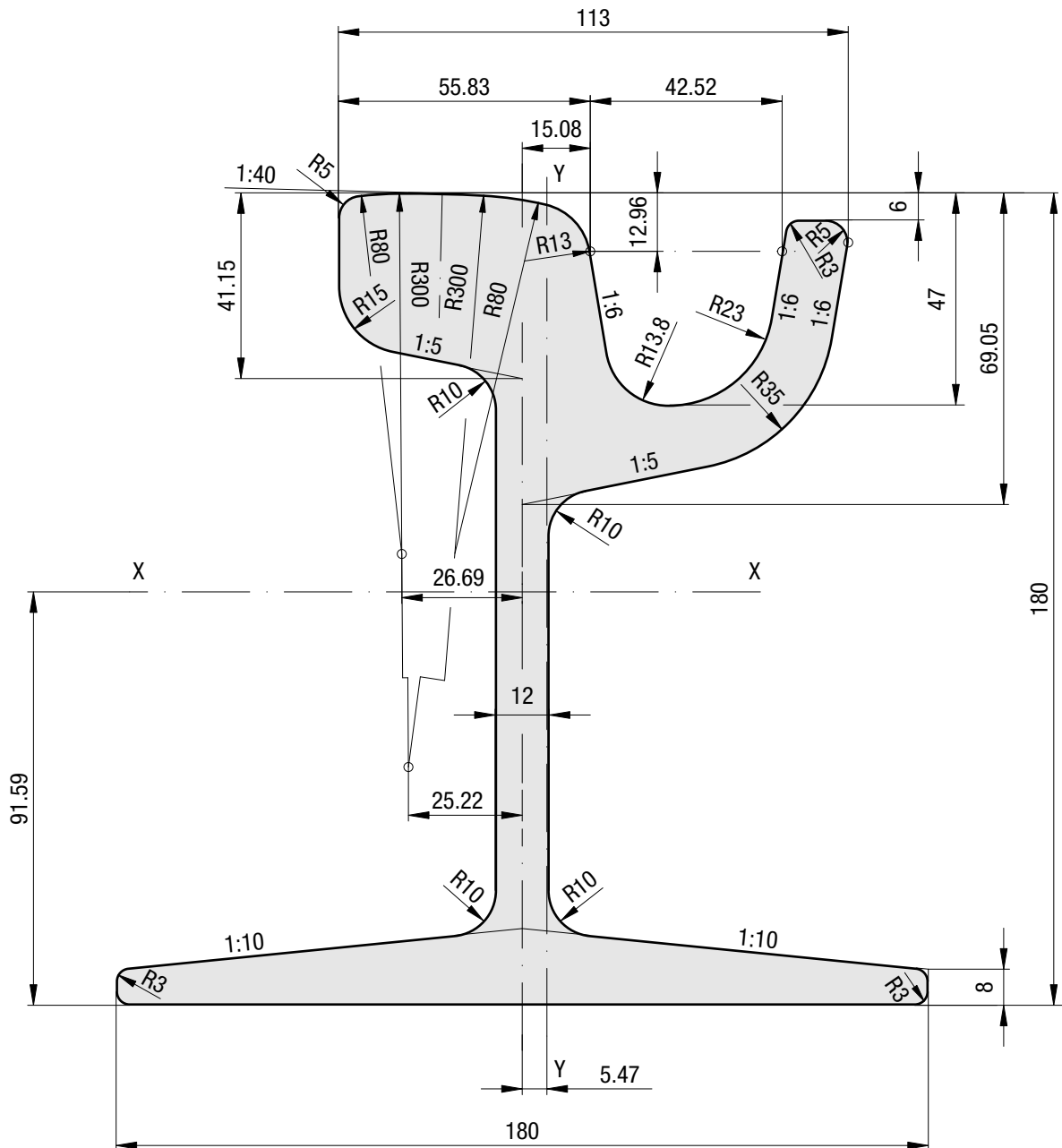
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		56.54 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		72.02 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3030.4 cm ⁴		
	Y-Y	829.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	363.6 cm ³		
	X-X Fuß / Base	307.3 cm ³		
	Y-Y links / left	100.7 cm ³		
	Y-Y rechts / right	122.7 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1500

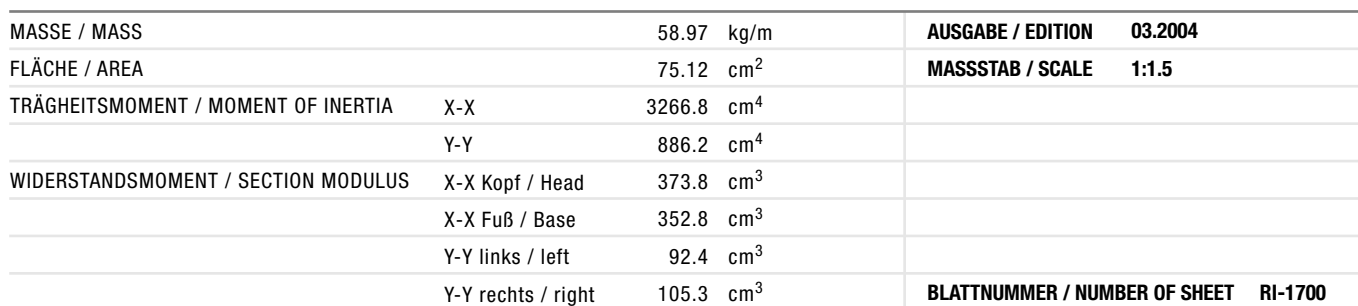
59Ri2 (Ri59-13, Ri59N)

RILLENSCHIENEN, GROOVED RAILS



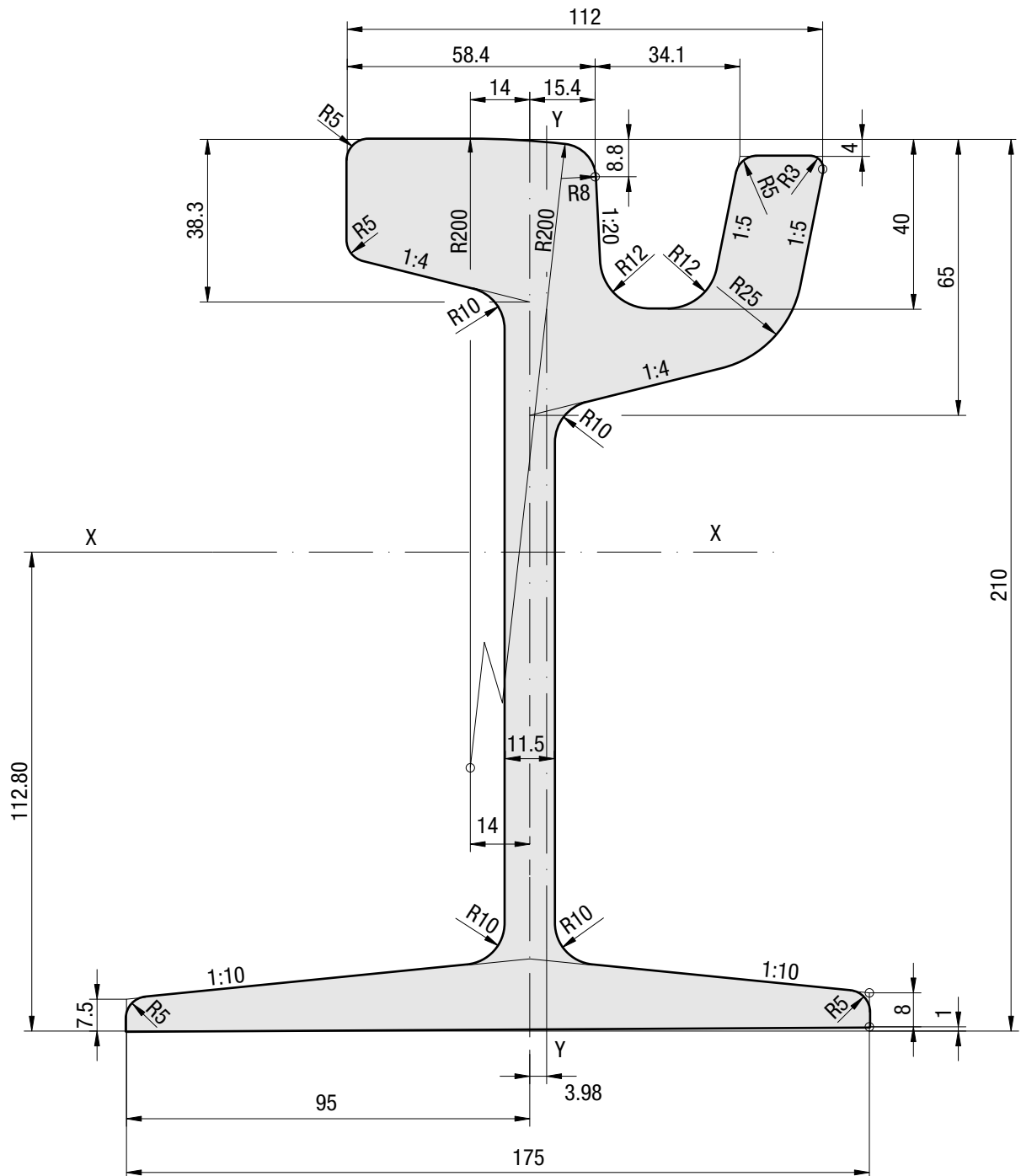
MASSE / MASS		58.14	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		74.07	cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3210.6	cm ⁴		
	Y-Y	875.7	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	363.1	cm ³		
	X-X Fuß / Base	350.5	cm ³		
	Y-Y links / left	91.7	cm ³		
	Y-Y rechts / right	103.6	cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1600

RILLENSCHIENEN, GROOVED RAILS



60Ri3 (Ri210/95+80)

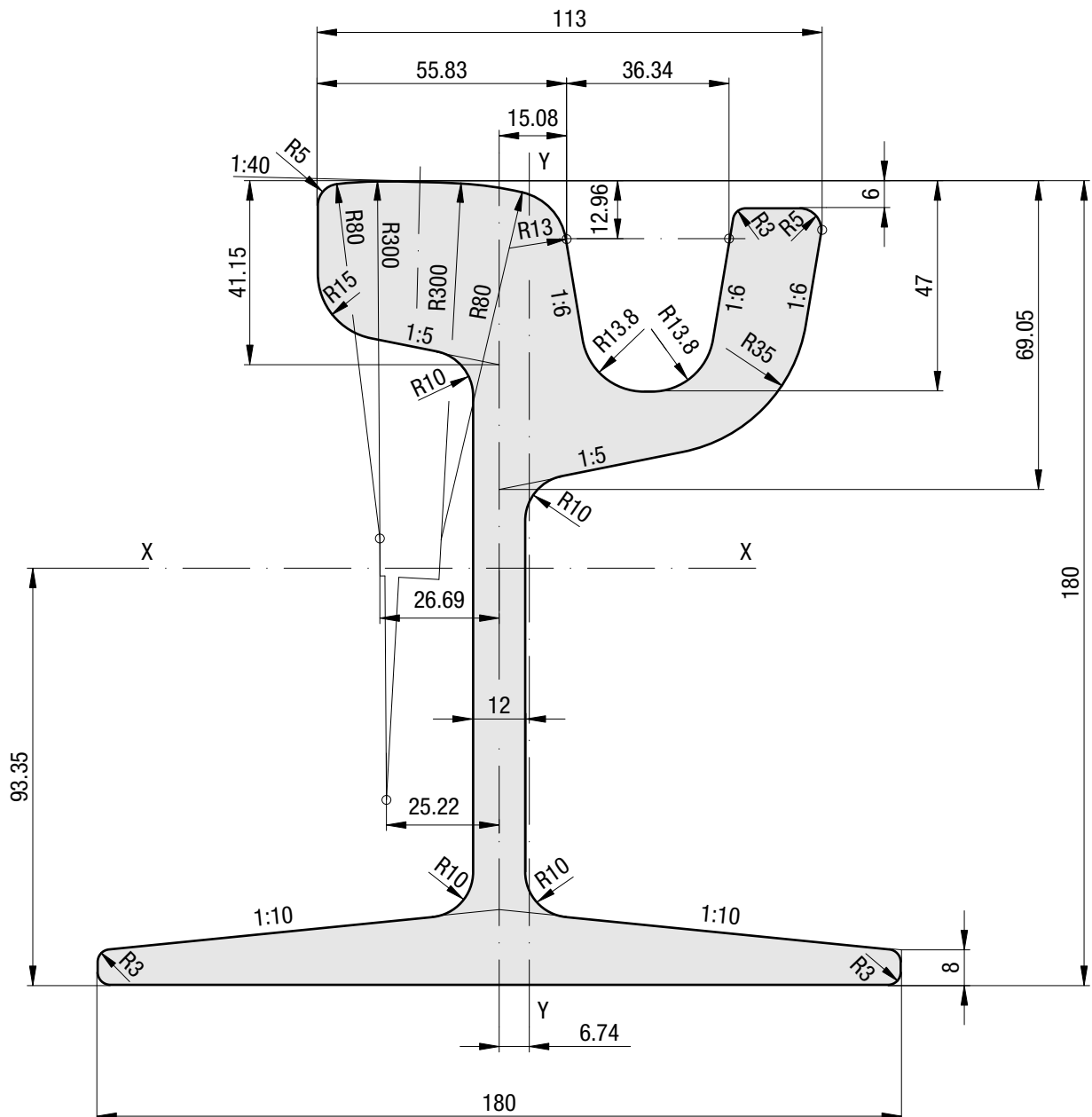
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS	59.71	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	76.06	cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	4745.9	cm ⁴	
	Y-Y	840.5	cm ⁴	
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	488.3	cm ³	
	X-X Fuß / Base	420.7	cm ³	
	Y-Y links / left	84.9	cm ³	
	Y-Y rechts / right	110.6	cm ³	
				BLATTNUMMER / NUMBER OF SHEET
				RI-1800

60Ri2 (Ri60-13, Ri60N)

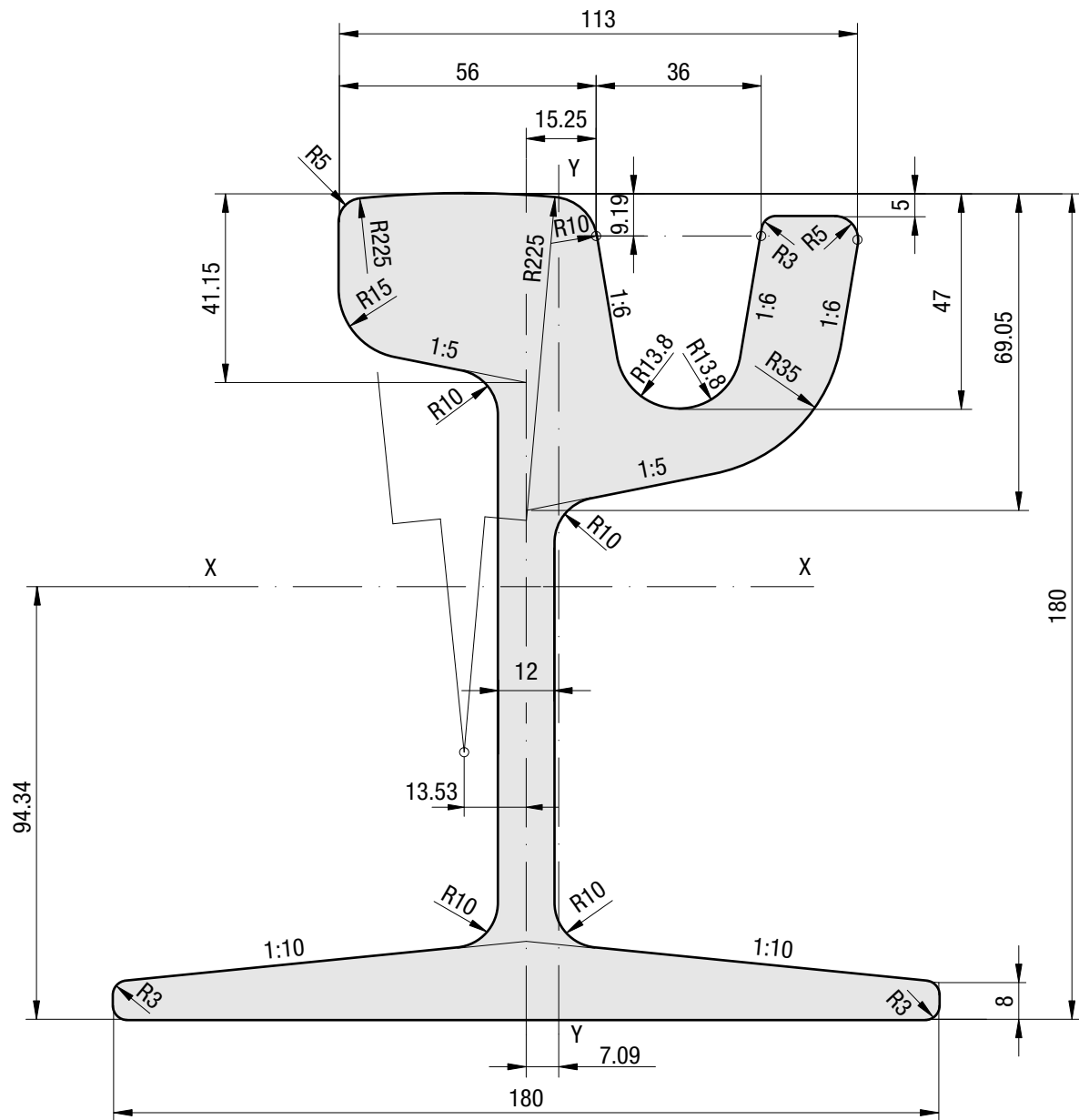
RILLENSCHIENEN, GROOVED RAILS



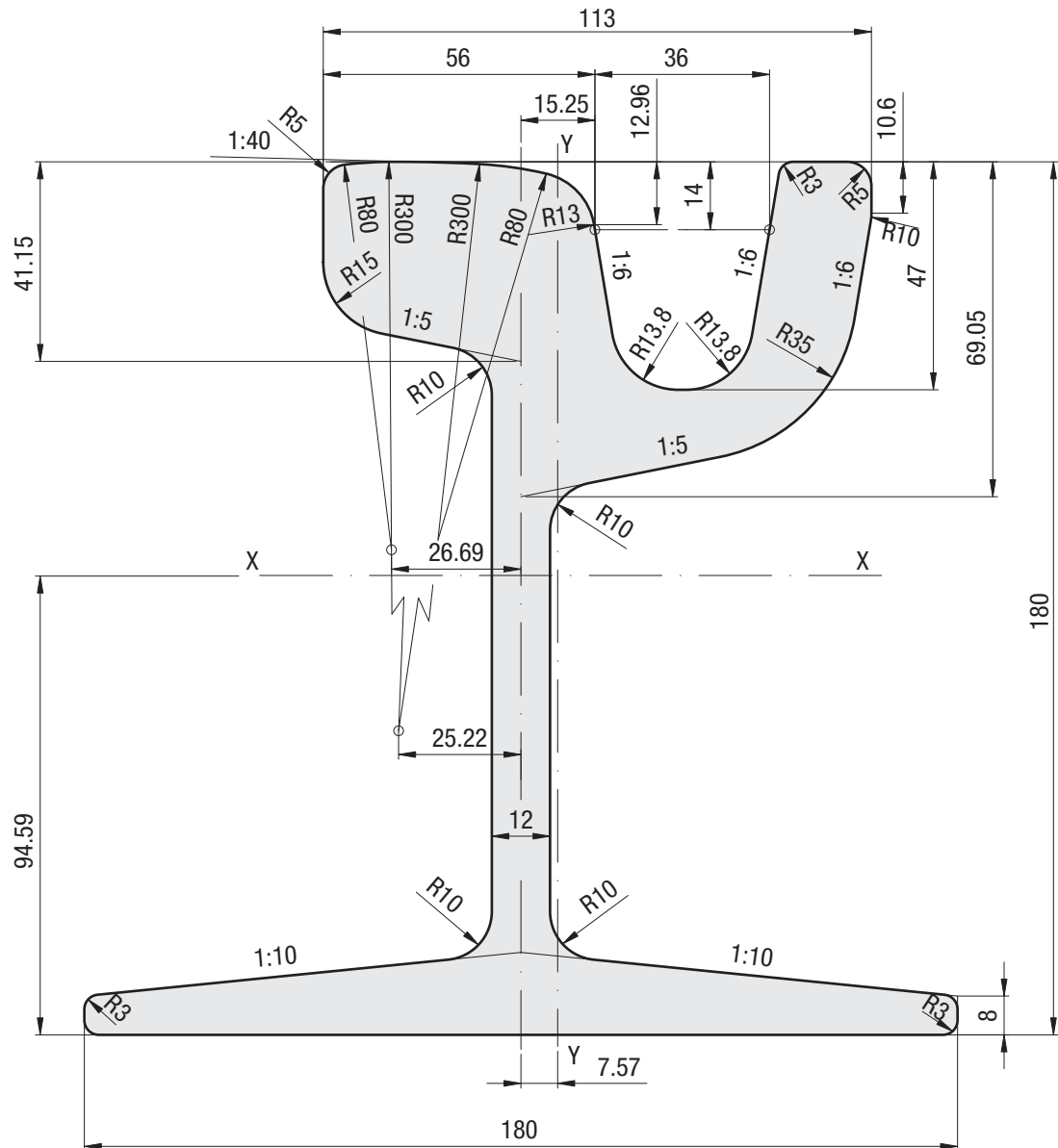
MASSE / MASS		59.75 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		76.11 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3298.1 cm ⁴		
	Y-Y	920.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	380.6 cm ³		
	X-X Fuß / Base	353.3 cm ³		
	Y-Y links / left	95.1 cm ³		
	Y-Y rechts / right	110.5 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-1900

60Ri1 (Ri60-10, Ri60)

RILLENSCHIENEN, GROOVED RAILS



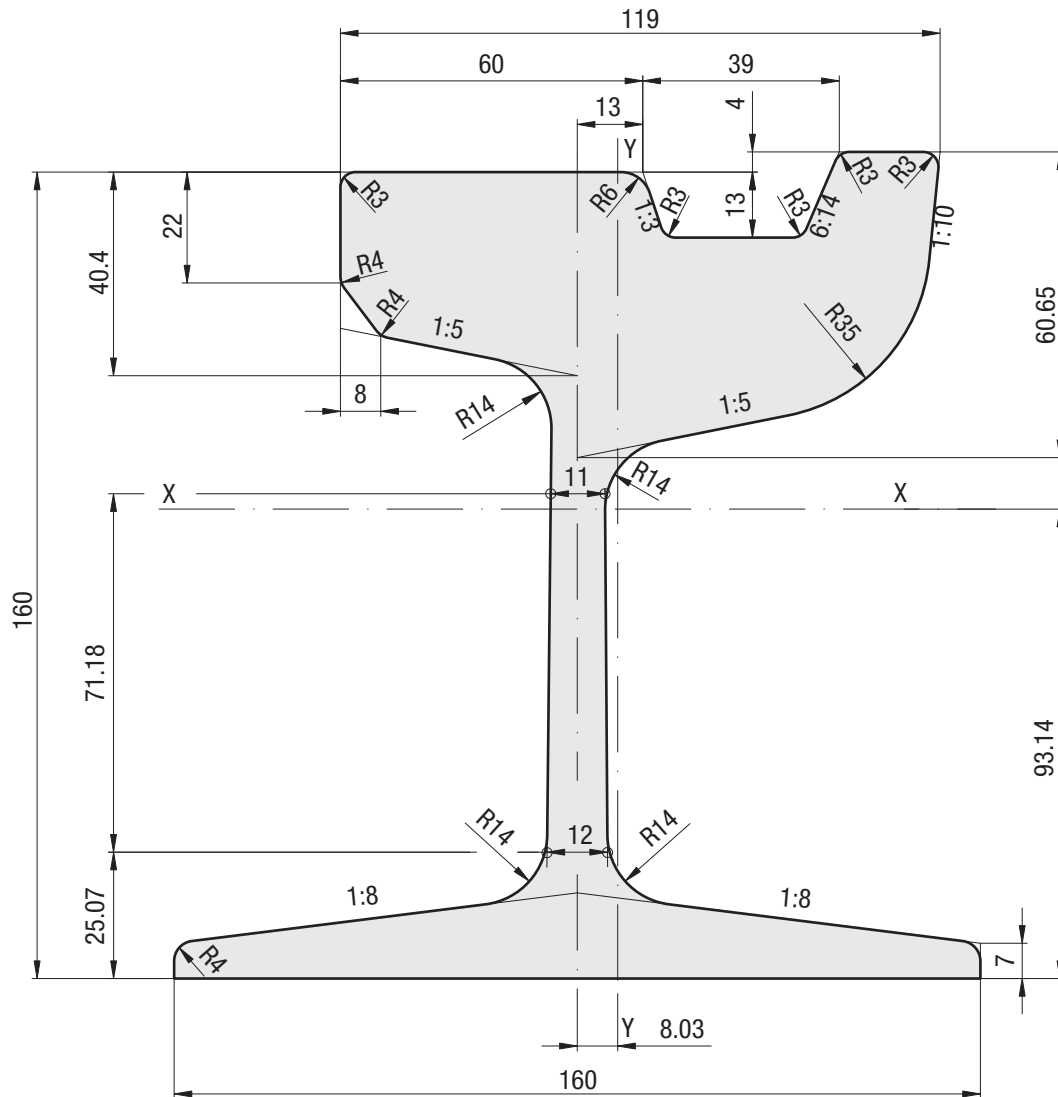
MASSE / MASS		60.59 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.19 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3352.9 cm ⁴		
	Y-Y	928.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	391.4 cm ³		
	X-X Fuß / Base	355.4 cm ³		
	Y-Y links / left	95.6 cm ³		
	Y-Y rechts / right	112.0 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2000



MASSE / MASS		60.64 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.25 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3377.0 cm ⁴		
	Y-Y	955.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	395.4 cm ³		
	X-X Fuß / Base	357.0 cm ³		
	Y-Y links / left	98.0 cm ³		
	Y-Y rechts / right	116.0 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2100

61C1 (Rili-R14)

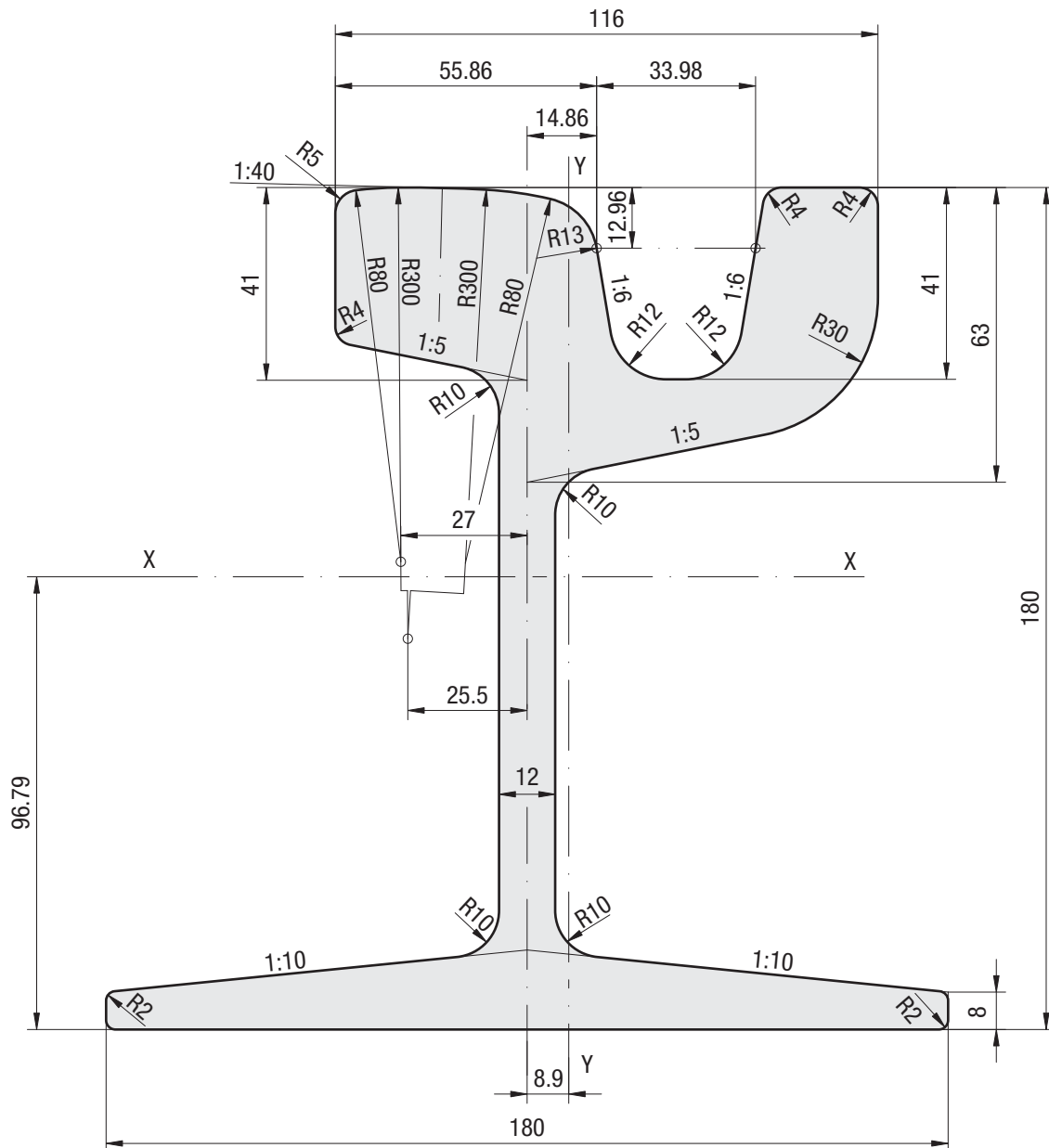
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		60.66 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.28 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2629.8 cm ⁴		
	Y-Y	833.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	393.3 cm ³		
	X-X Fuß / Base	282.4 cm ³		
	Y-Y links / left	94.7 cm ³		
	Y-Y rechts / right	115.8 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2200

62Ri2 (RiNP4aS)

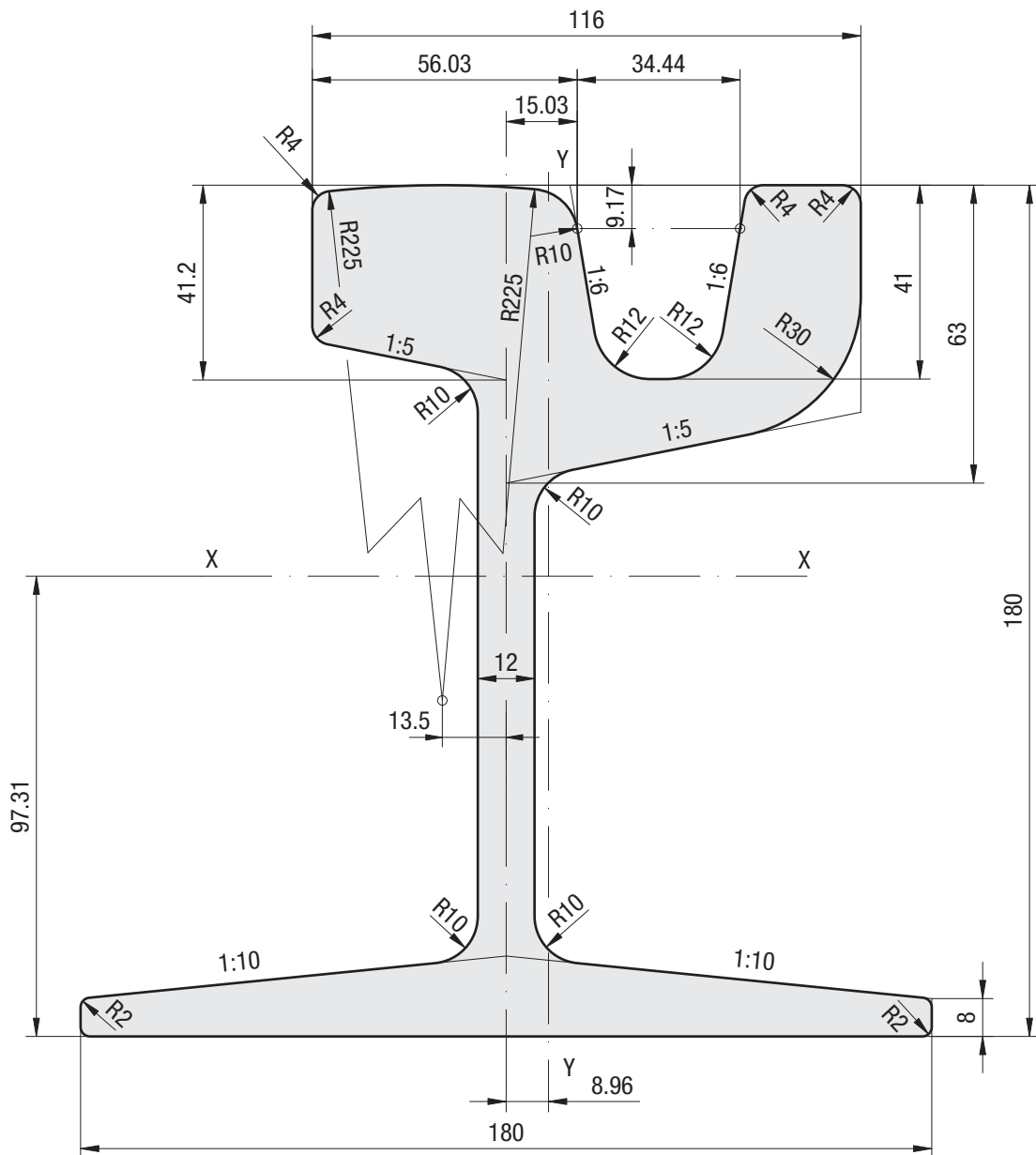
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		61.91 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		78.86 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3505.9 cm ⁴		
	Y-Y	1042.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	421.3 cm ³		
	X-X Fuß / Base	362.2 cm ³		
	Y-Y links / left	105.4 cm ³		
	Y-Y rechts / right	128.6 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2300

62Ri1 (RiNP4aM)

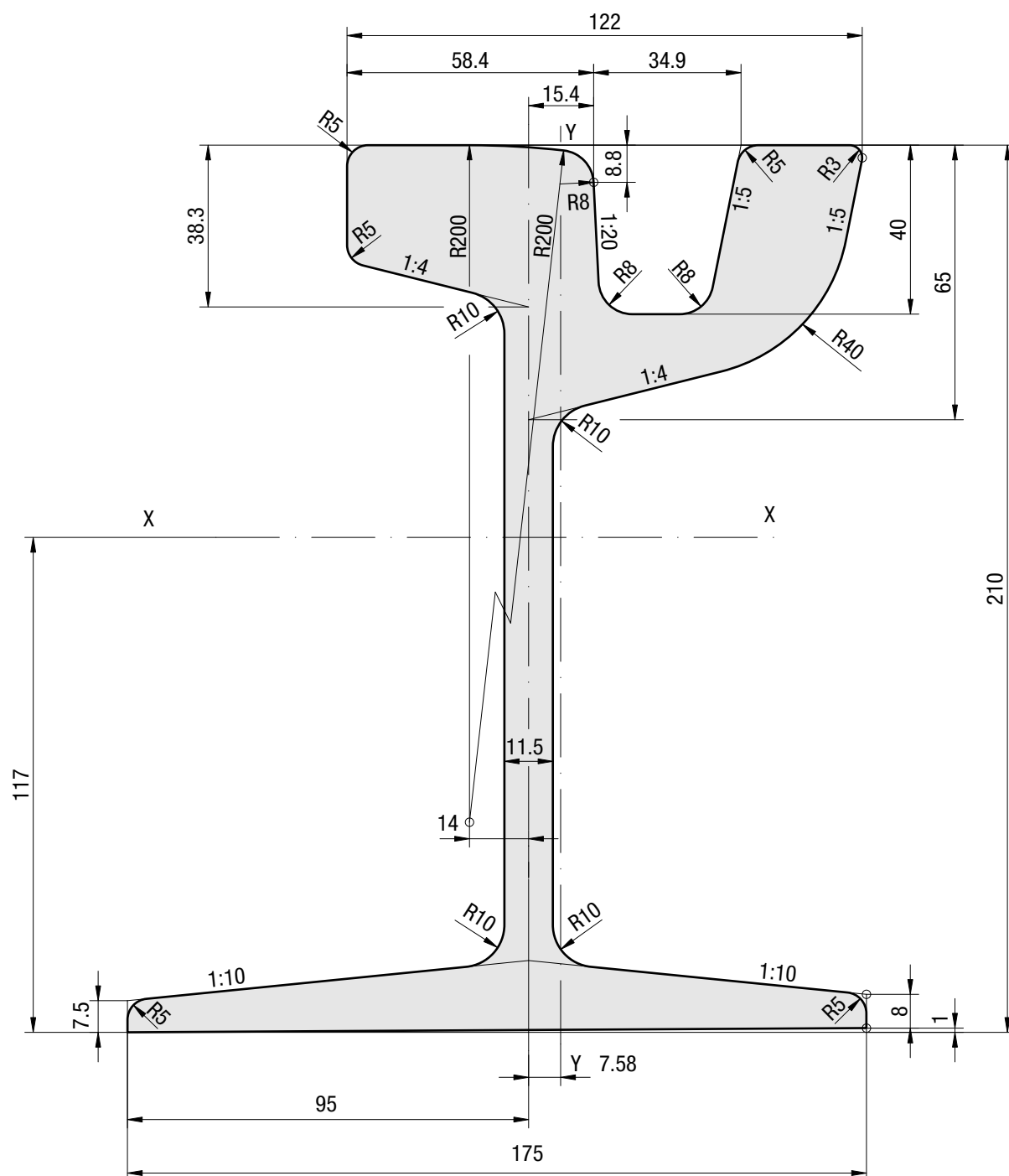
RILLENSCHIENEN, GROOVED RAILS



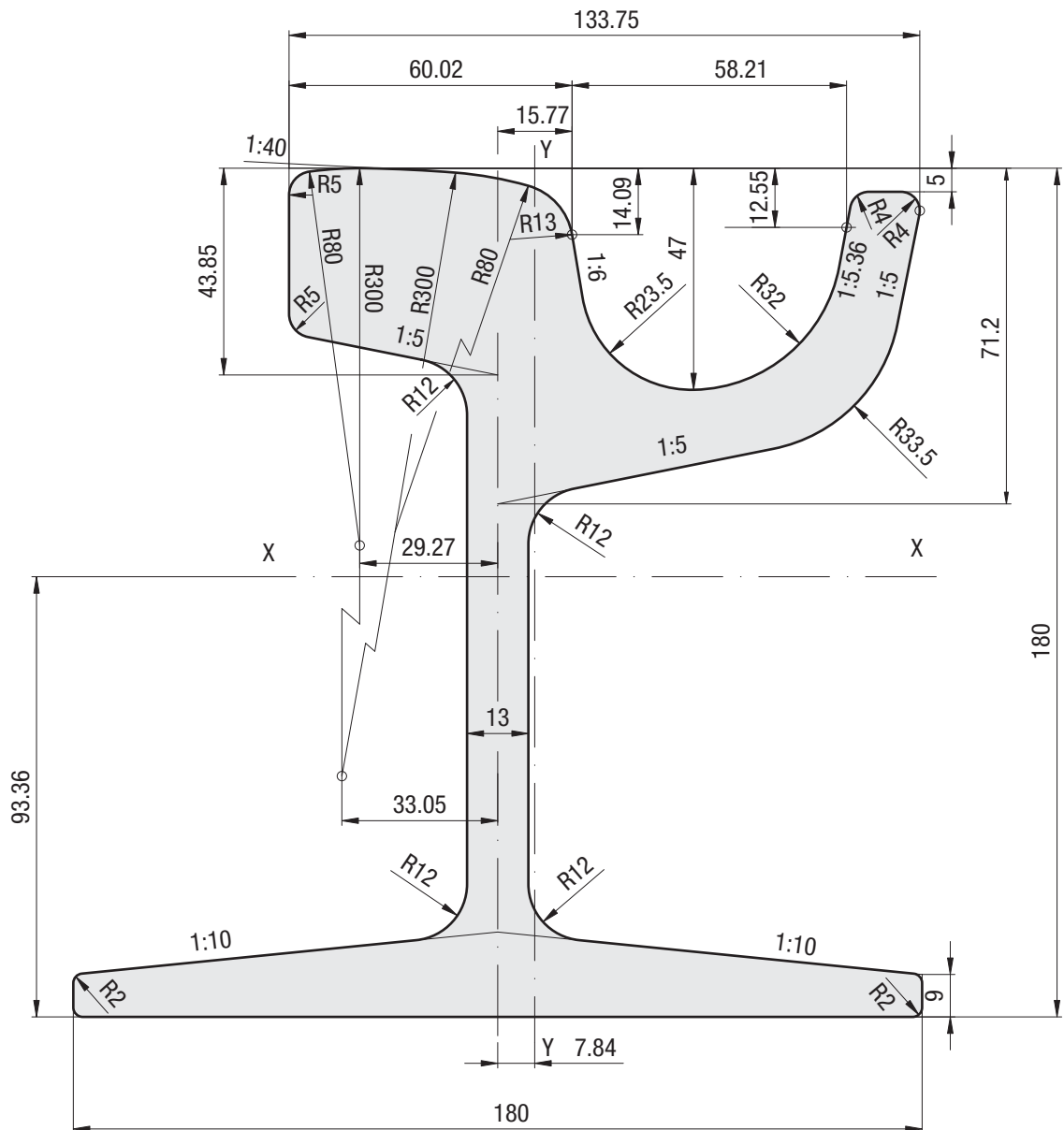
MASSE / MASS		62.37 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		79.45 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3535.5 cm ⁴		
	Y-Y	1041.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	427.6 cm ³		
	X-X Fuß / Base	363.3 cm ³		
	Y-Y links / left	105.3 cm ³		
	Y-Y rechts / right	128.5 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2400

63Ri1 (Ri210/95+80a)

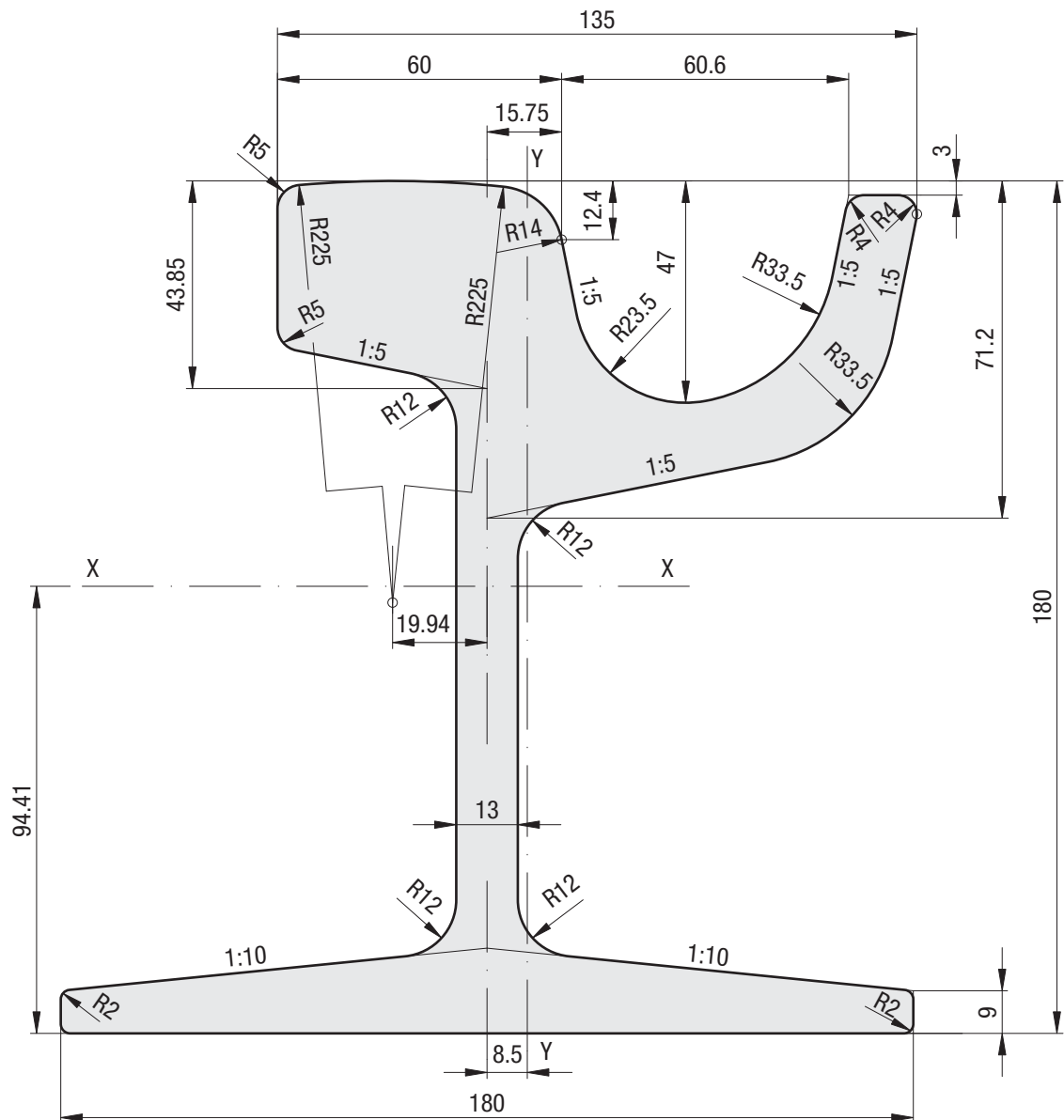
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		63.13 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		80.42 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	5019.2 cm ⁴		
	Y-Y	1020.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	540.6 cm ³		
	X-X Fuß / Base	428.4 cm ³		
	Y-Y links / left	99.4 cm ³		
	Y-Y rechts / right	140.9 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2500



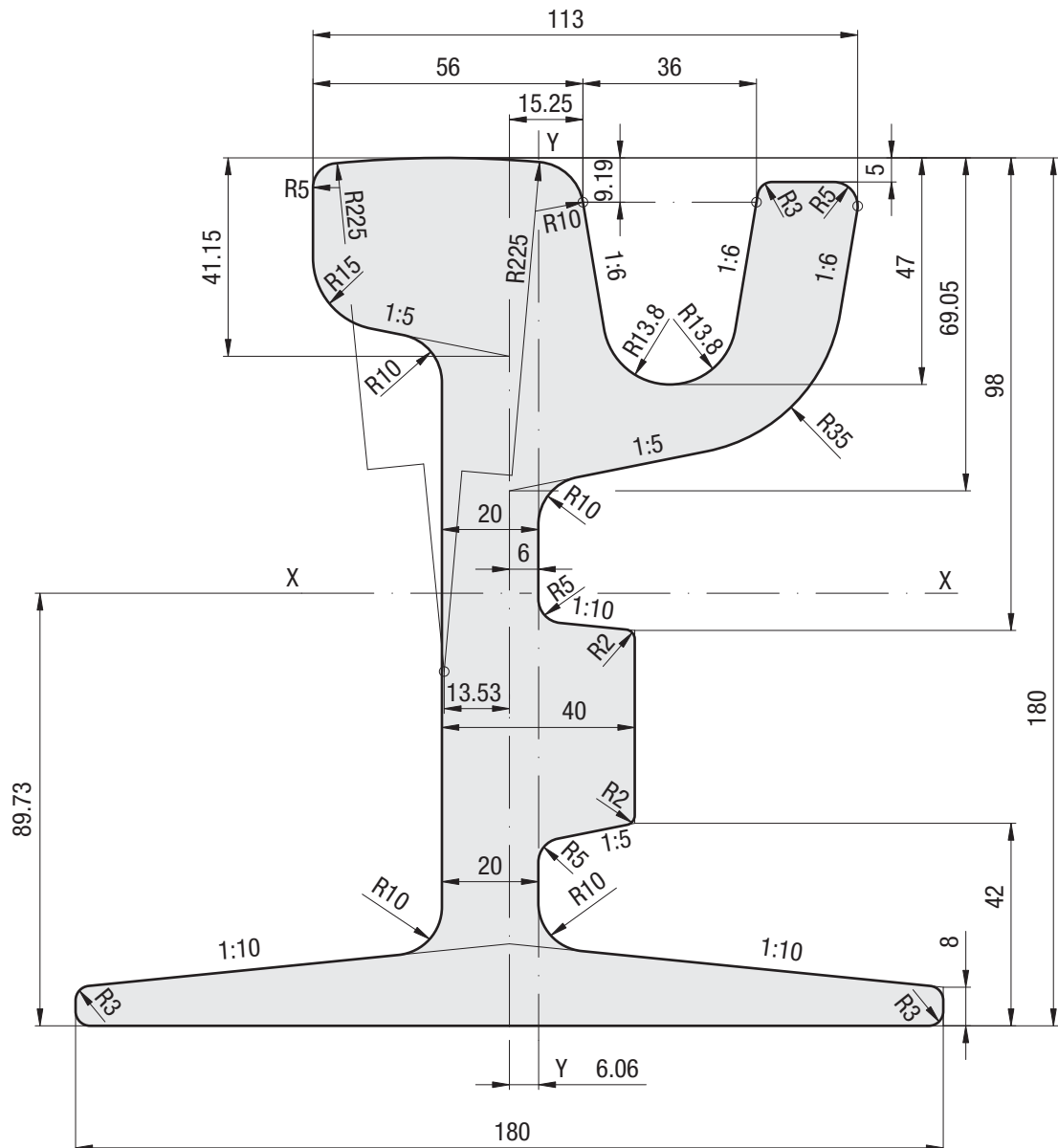
MASSE / MASS		65.88 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		83.92 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3501 cm ⁴		
	Y-Y	1212 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	404 cm ³		
	X-X Fuß / Base	375 cm ³		
	Y-Y links / left	102 cm ³		
	Y-Y rechts / right	147 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2600



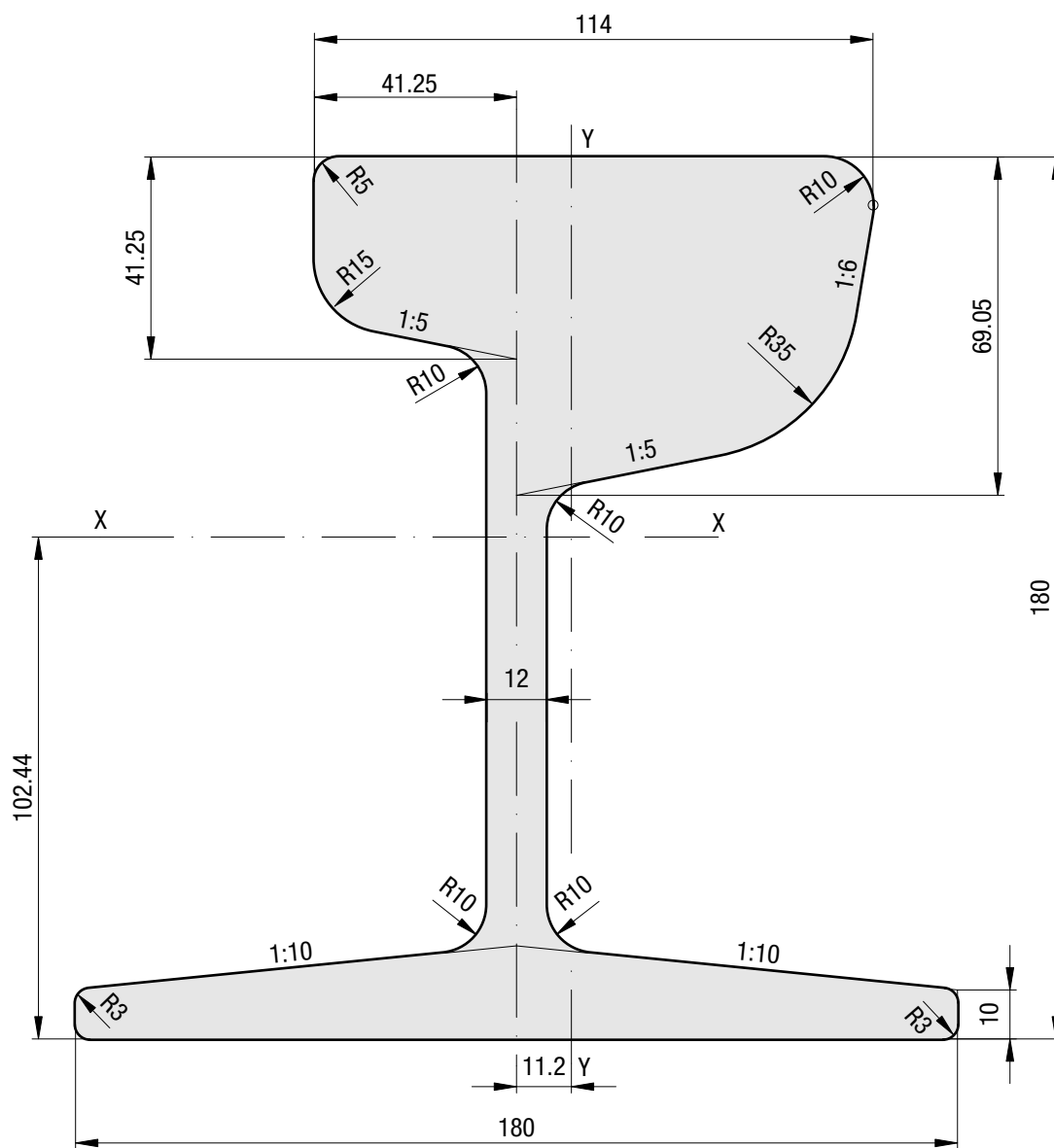
MASSE / MASS		66.91 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		85.24 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3564.0 cm ⁴		
	Y-Y	1251.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	416.4 cm ³		
	X-X Fuß / Base	377.5 cm ³		
	Y-Y links / left	127.1 cm ³		
	Y-Y rechts / right	153.6 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2700

75C1 (BA75)

RILLENSCHIENEN, GROOVED RAILS



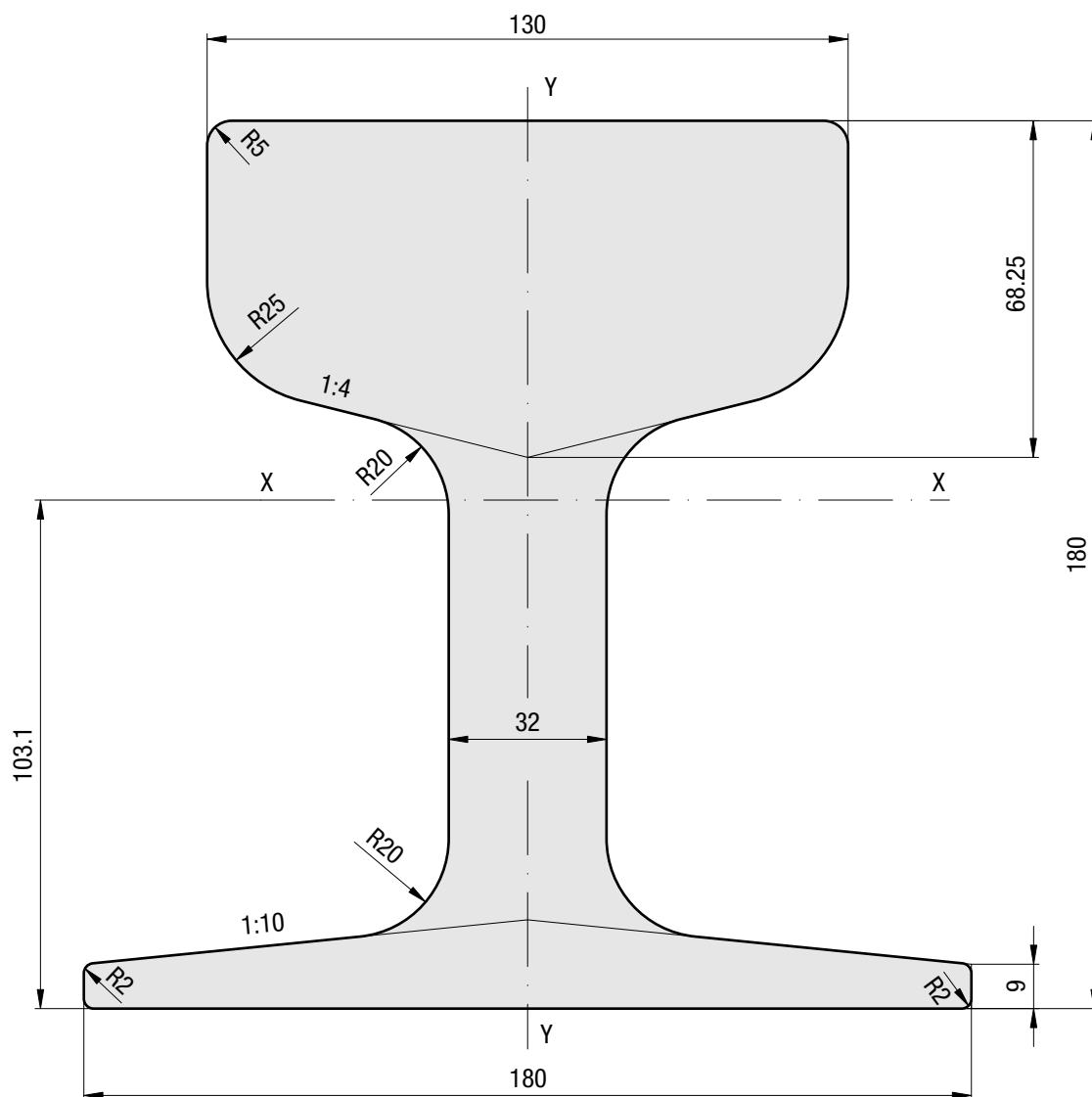
MASSE / MASS		75.23 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		95.84 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3596.0 cm ⁴		
	Y-Y	967.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	398.3 cm ³		
	X-X Fuß / Base	400.8 cm ³		
	Y-Y links / left	100.7 cm ³		
	Y-Y rechts / right	115.3 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2800



MASSE / MASS		75.70 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		96.43 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	4237.6 cm ⁴		
	Y-Y	1162.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	546.4 cm ³		
	X-X Fuß / Base	413.7 cm ³		
	Y-Y links / left	114.8 cm ³		
	Y-Y rechts / right	147.5 cm ³	BLATTNUMMER / NUMBER OF SHEET	RI-2900

195C1 (DST180/105)

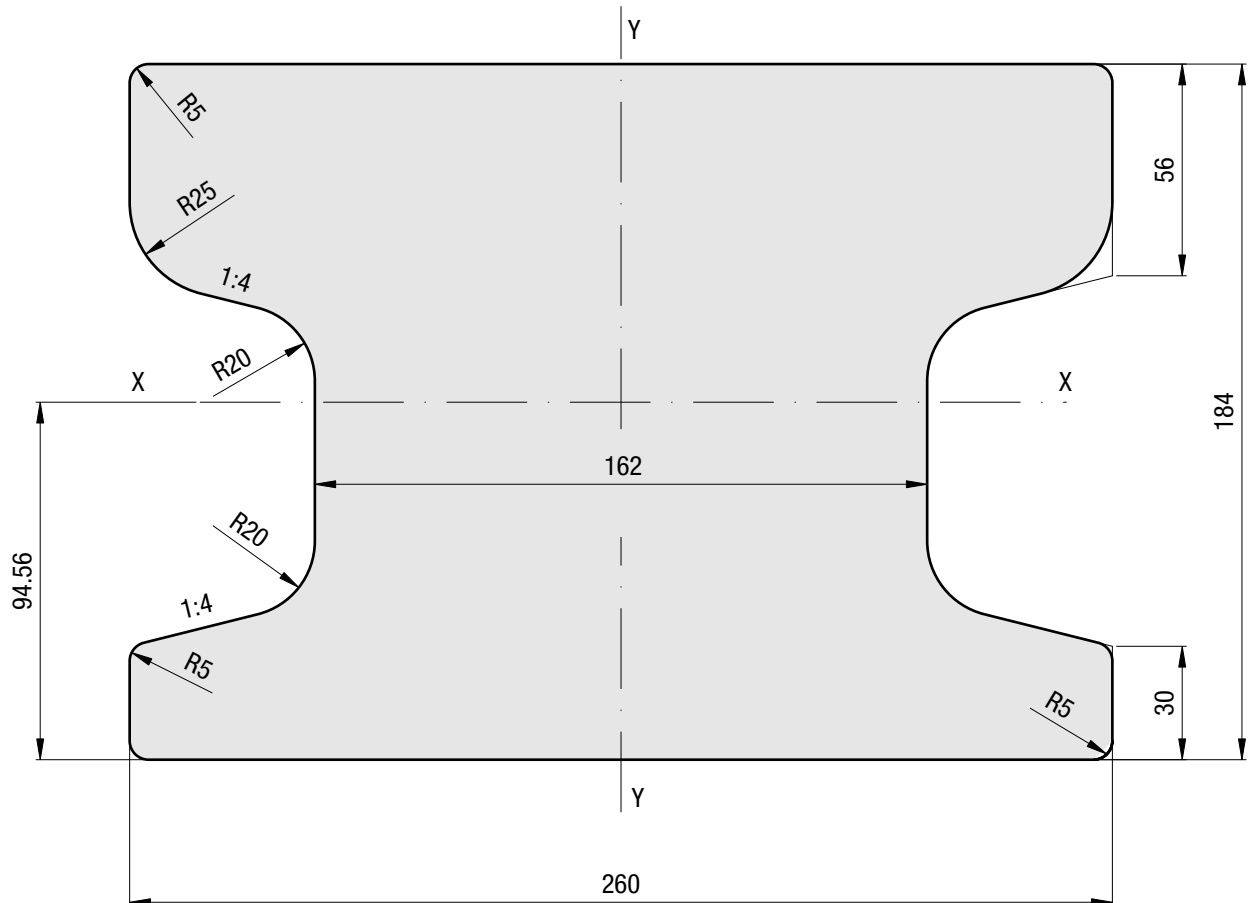
RILLENSCHIENEN, GROOVED RAILS



MASSE / MASS		105.23 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		134.05 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	4945 cm ⁴		
	Y-Y	1547 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	643.05 cm ³		
	X-X Fuß / Base	479.68 cm ³		
	Y-Y Achse / Axis	171.93 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	RI-3000

310C1 (BL180/260)

RILLENSCHIENEN, GROOVED RAILS

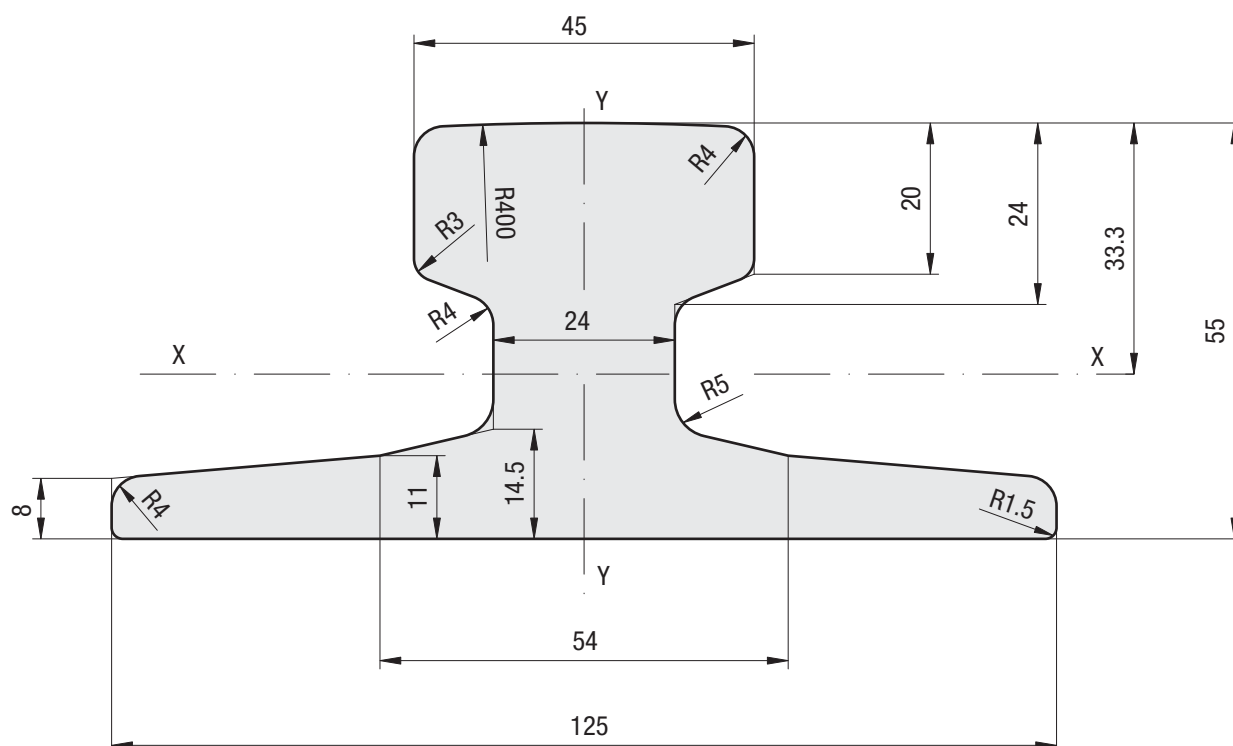


MASSE / MASS		309.69 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		394.50 cm ²	MASSSTAB / SCALE	1:2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	12786 cm ⁴		
	Y-Y	17076 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	1430 cm ³		
	X-X Fuß / Base	1352 cm ³		
	Y-Y Achse / Axis	1314 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	RI-3100

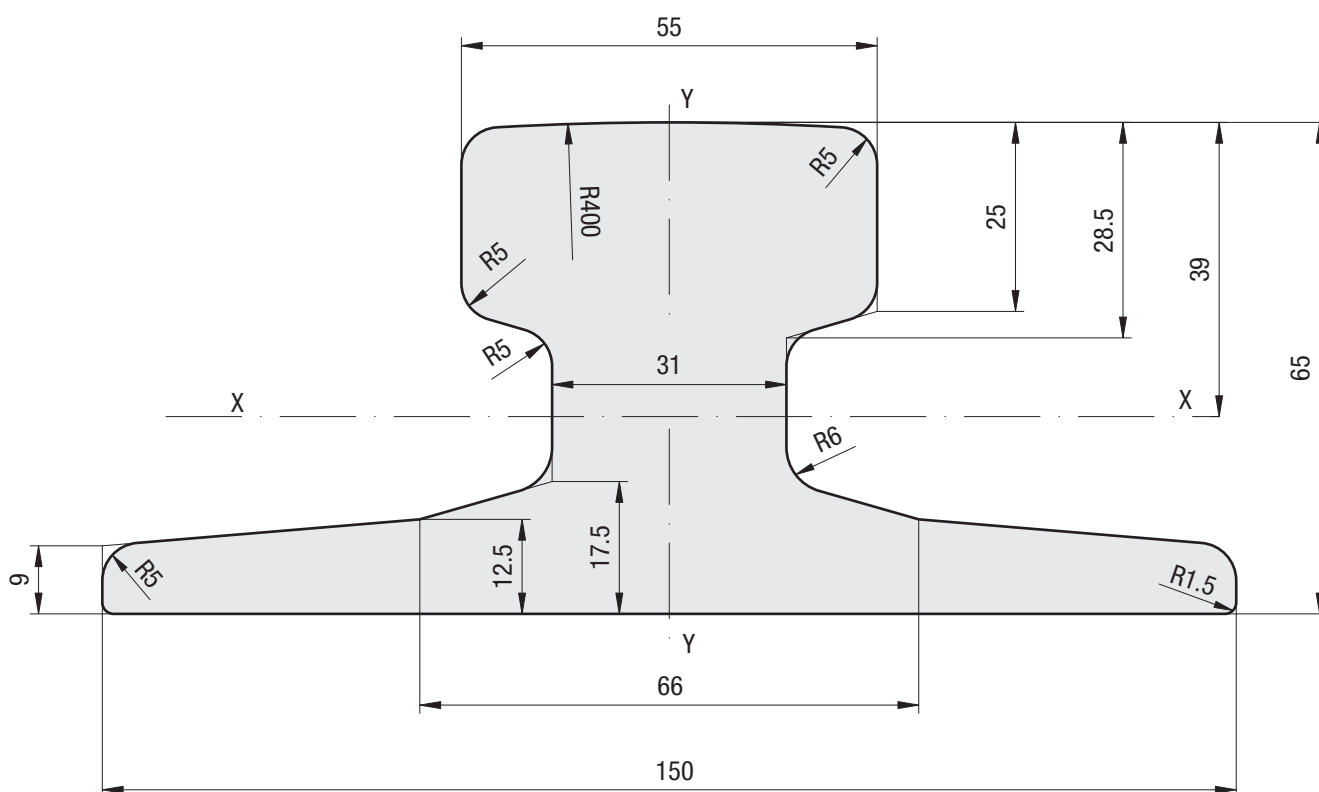
KRANSCHIENEN / CRANE RAILS

KSA45	KS-1100
KSA55	KS-1200
KSA65	KS-1300
KSA75	KS-1400
KSA100	KS-1500
KSA120	KS-1600
CR105	KS-1700
CR105	KS-1700A
CR104	KS-1800
CR104	KS-1800A
CR135	KS-1900
CR135	KS-1900A
CR171	KS-2000
CR171	KS-2000A
CR175	KS-2100
CR175	KS-2100A
PRI85R	KS-2200

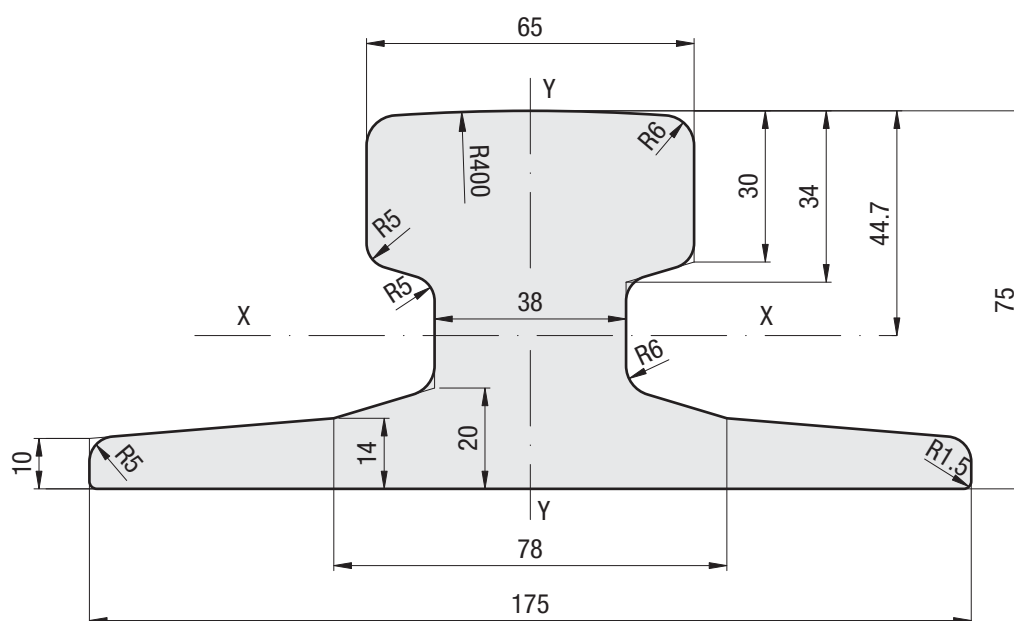




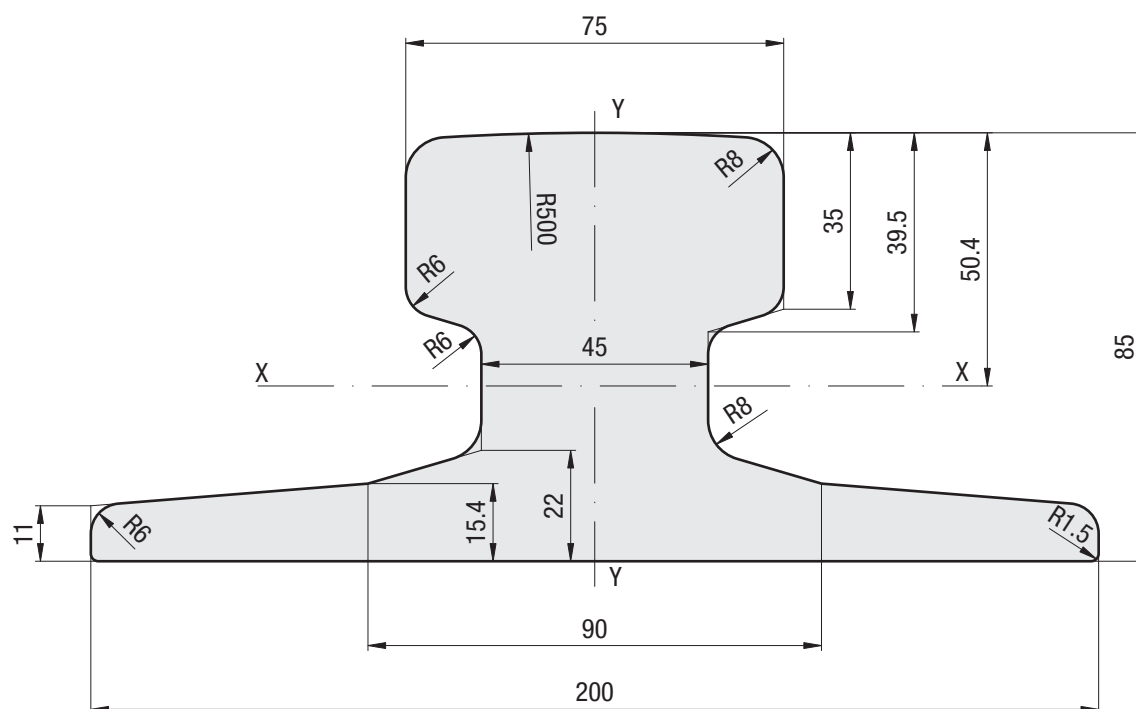
MASSE / MASS		22.1 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		28.2 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	90 cm ⁴		
	Y-Y	170 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	27.0 cm ³		
	X-X Fuß / Base	41.5 cm ³		
	Y-Y Achse / Axis	27.2 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1100



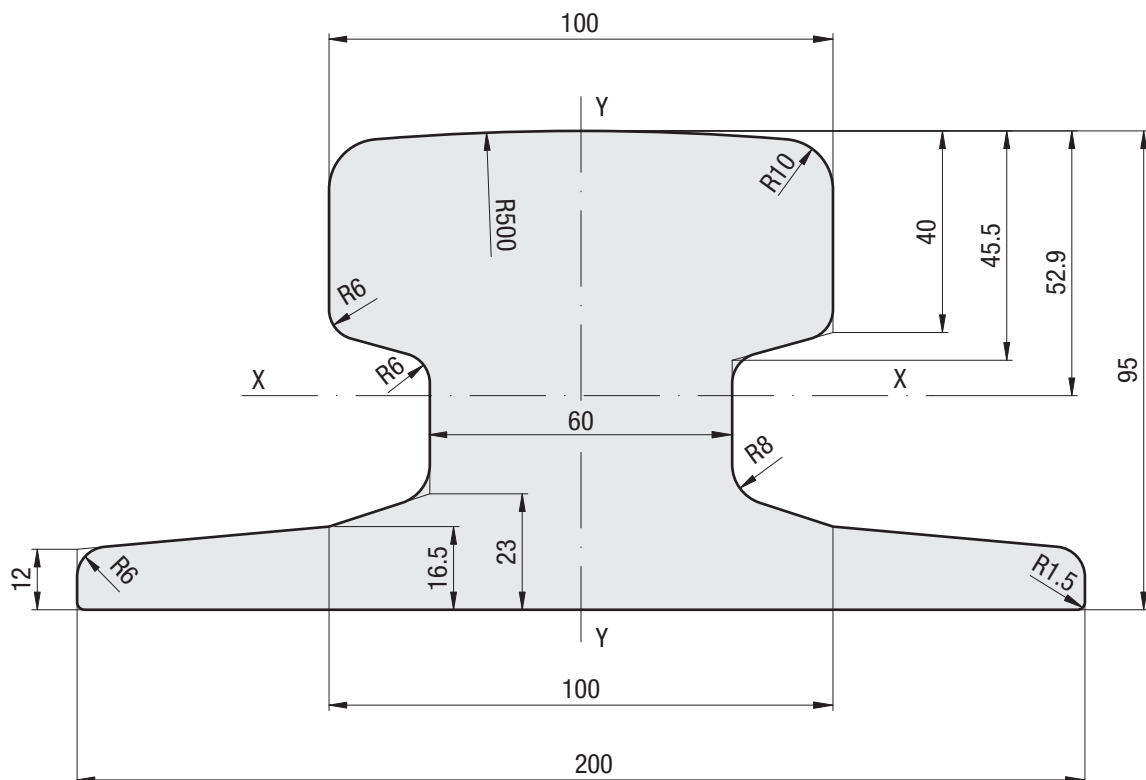
MASSE / MASS		31.8 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		40.5 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	178 cm ⁴		
	Y-Y	337 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	45.6 cm ³		
	X-X Fuß / Base	68.6 cm ³		
	Y-Y Achse / Axis	44.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1200



MASSE / MASS		43.1 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		54.9 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	319 cm ⁴		
	Y-Y	606 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	71.4 cm ³		
	X-X Fuß / Base	105.3 cm ³		
	Y-Y Achse / Axis	69.25 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1300



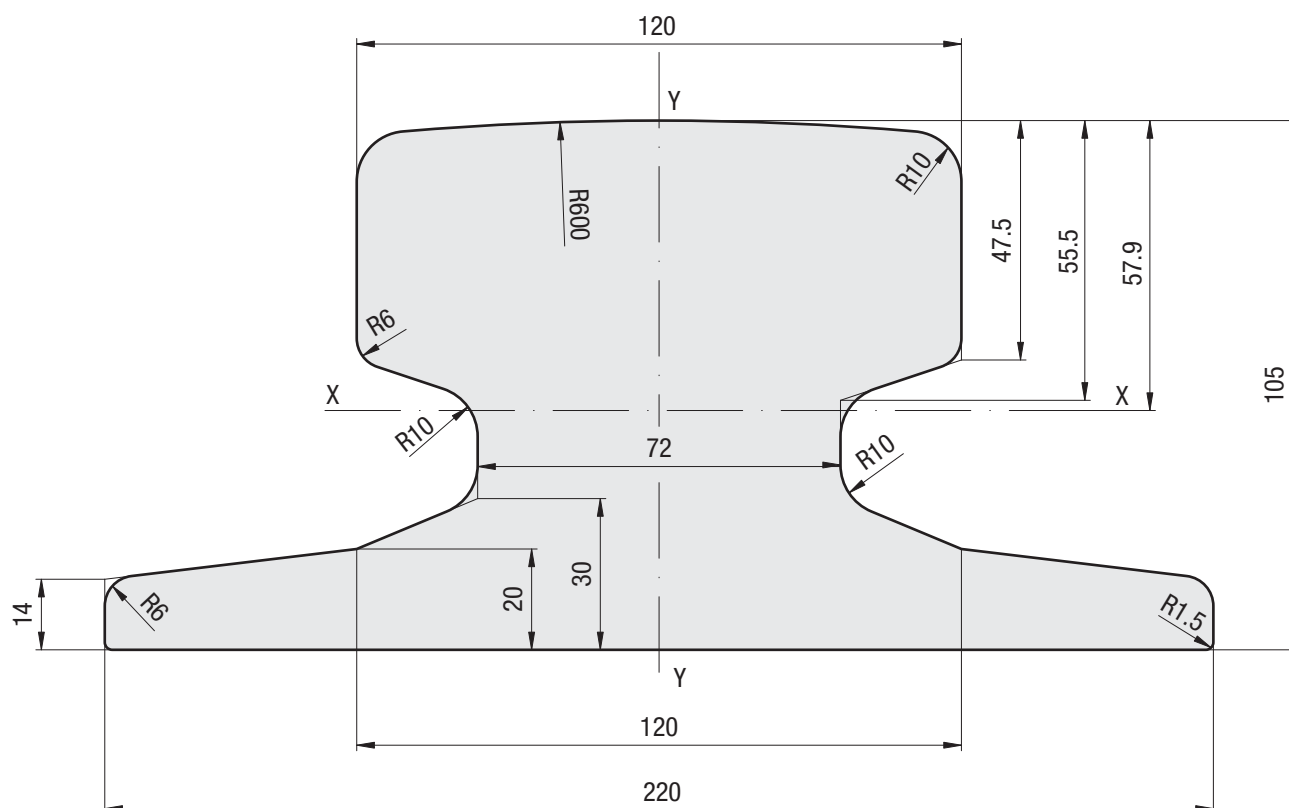
MASSE / MASS		56.2 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		71.6 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	531 cm ⁴		
	Y-Y	1011 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	105.4 cm ³		
	X-X Fuß / Base	153.5 cm ³		
	Y-Y Achse / Axis	101.1 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1400



MASSE / MASS		74.3 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		94.7 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	856 cm ⁴		
	Y-Y	1345 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	161.8 cm ³		
	X-X Fuß / Base	203.3 cm ³		
	Y-Y Achse / Axis	134.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1500

KSA120

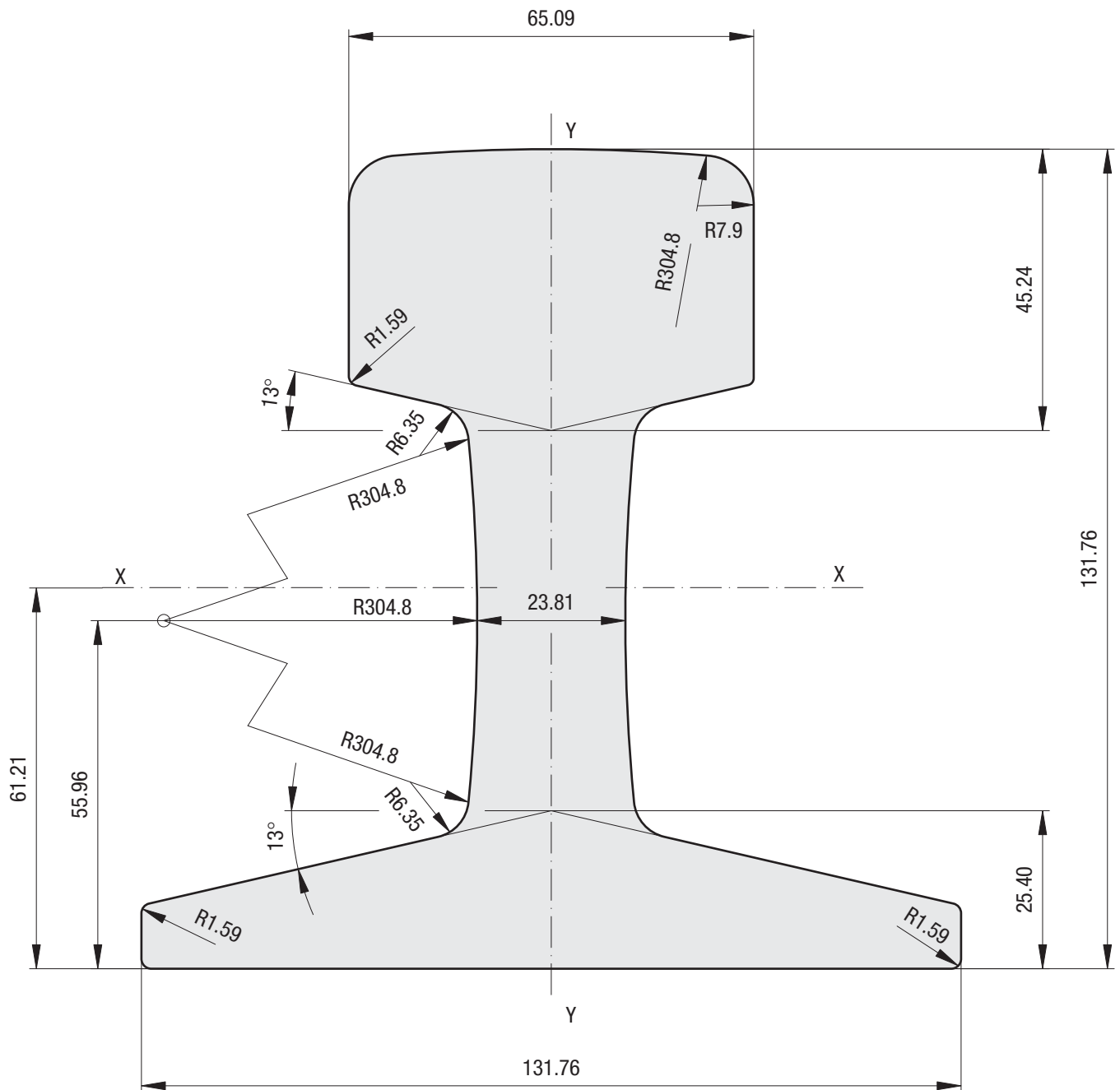
KRANSCHIENEN, CRANE RAILS



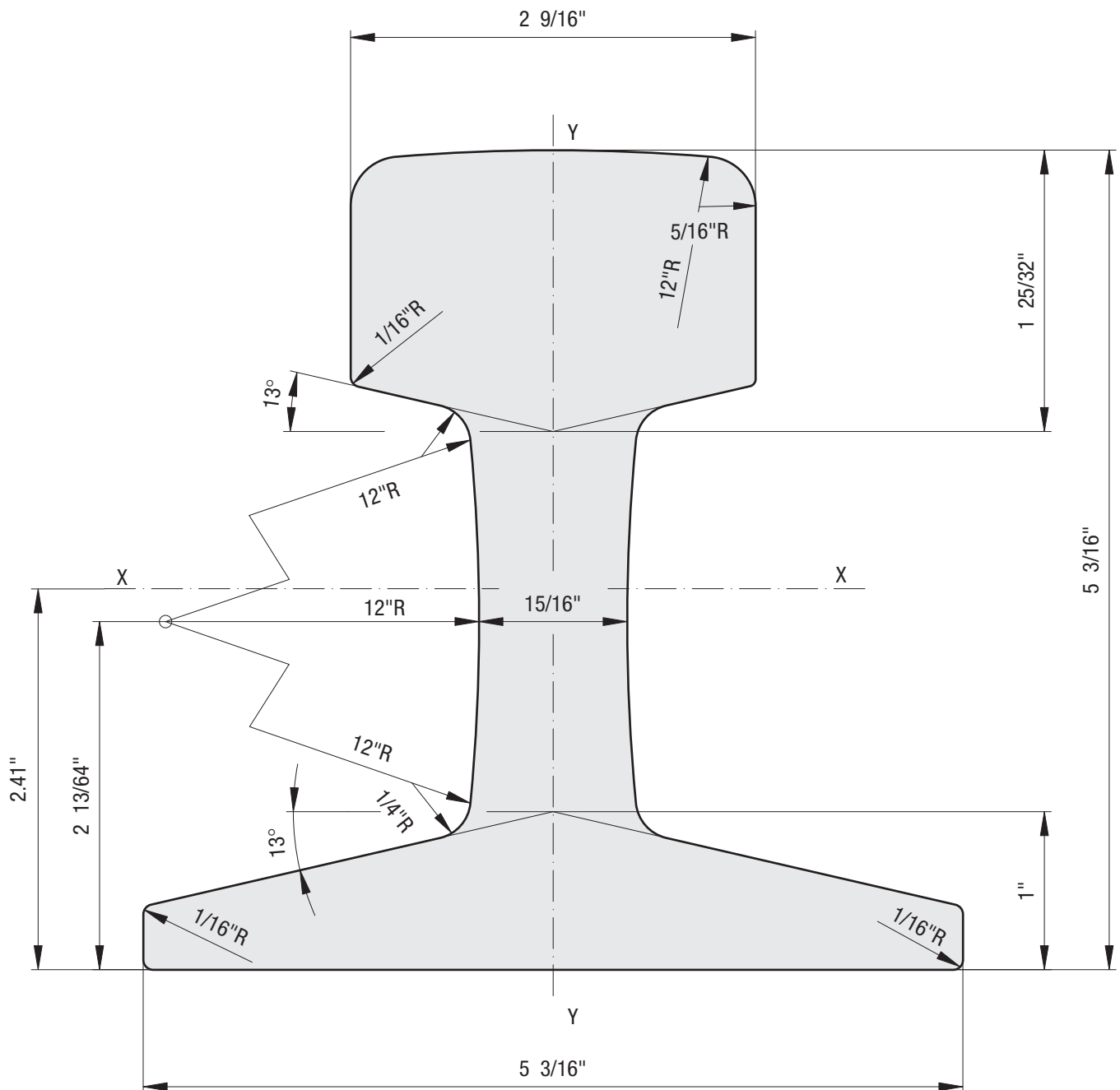
MASSE / MASS		100.0 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		127.4 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1361 cm ⁴		
	Y-Y	2350 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	235.1 cm ³		
	X-X Fuß / Base	289.0 cm ³		
	Y-Y Achse / Axis	213.6 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1600

CR105

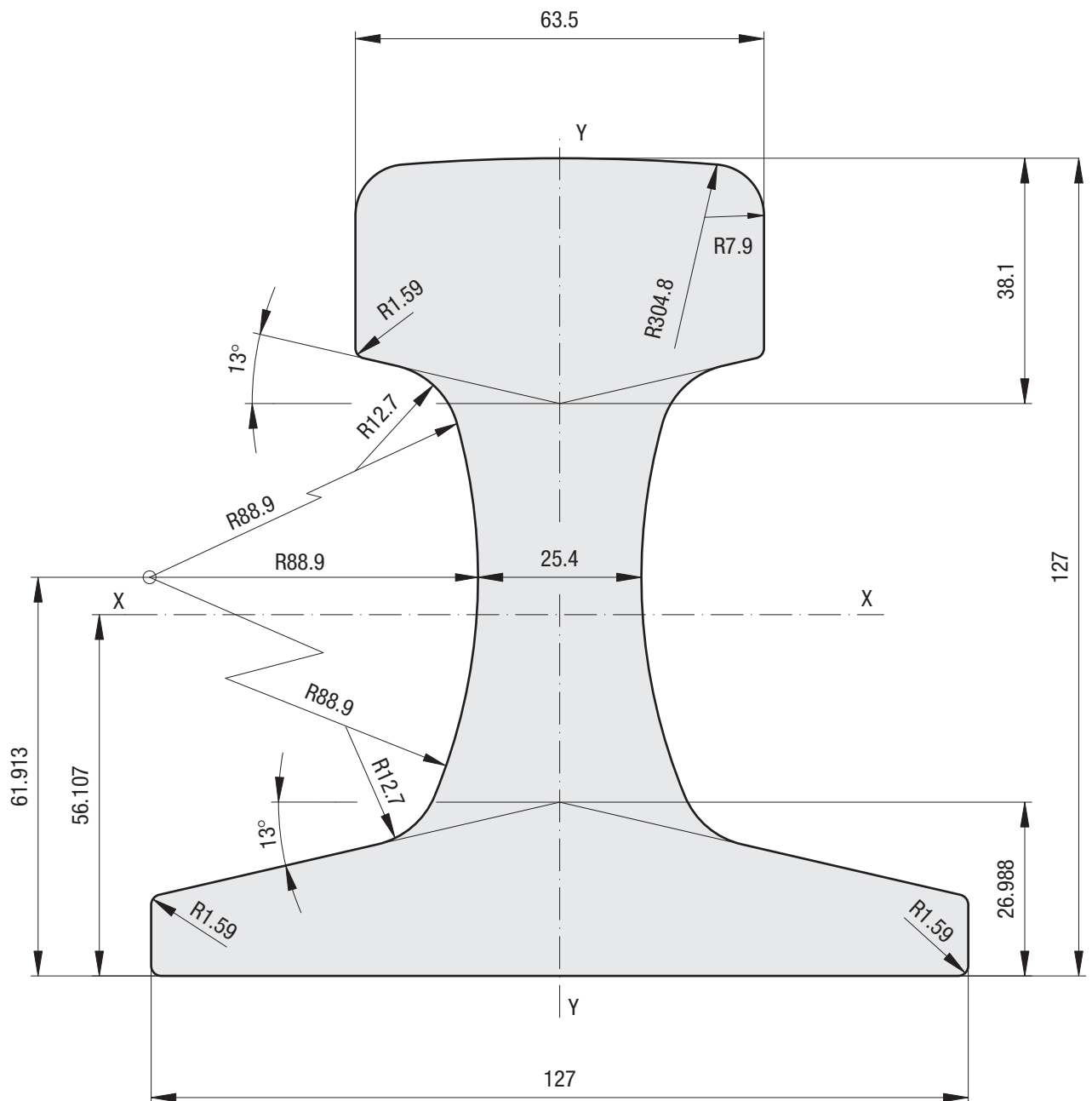
KRANSCHIENEN, CRANE RAILS



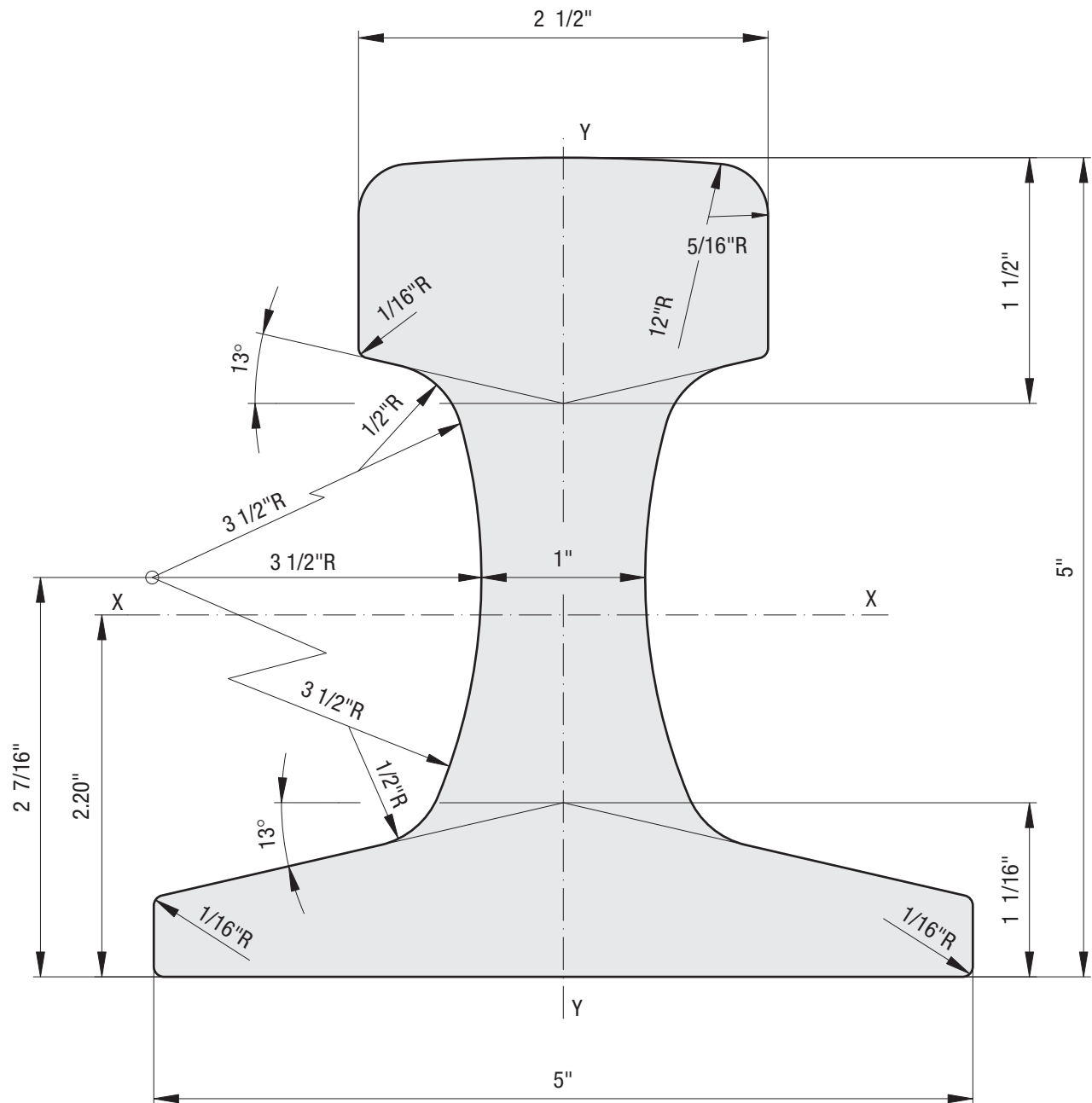
MASSE / MASS		51.82 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		66.01 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1378.9 cm ⁴		
	Y-Y	361.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	195.6 cm ³		
	X-X Fuß / Base	225.0 cm ³		
	Y-Y Achse / Axis	54.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1700



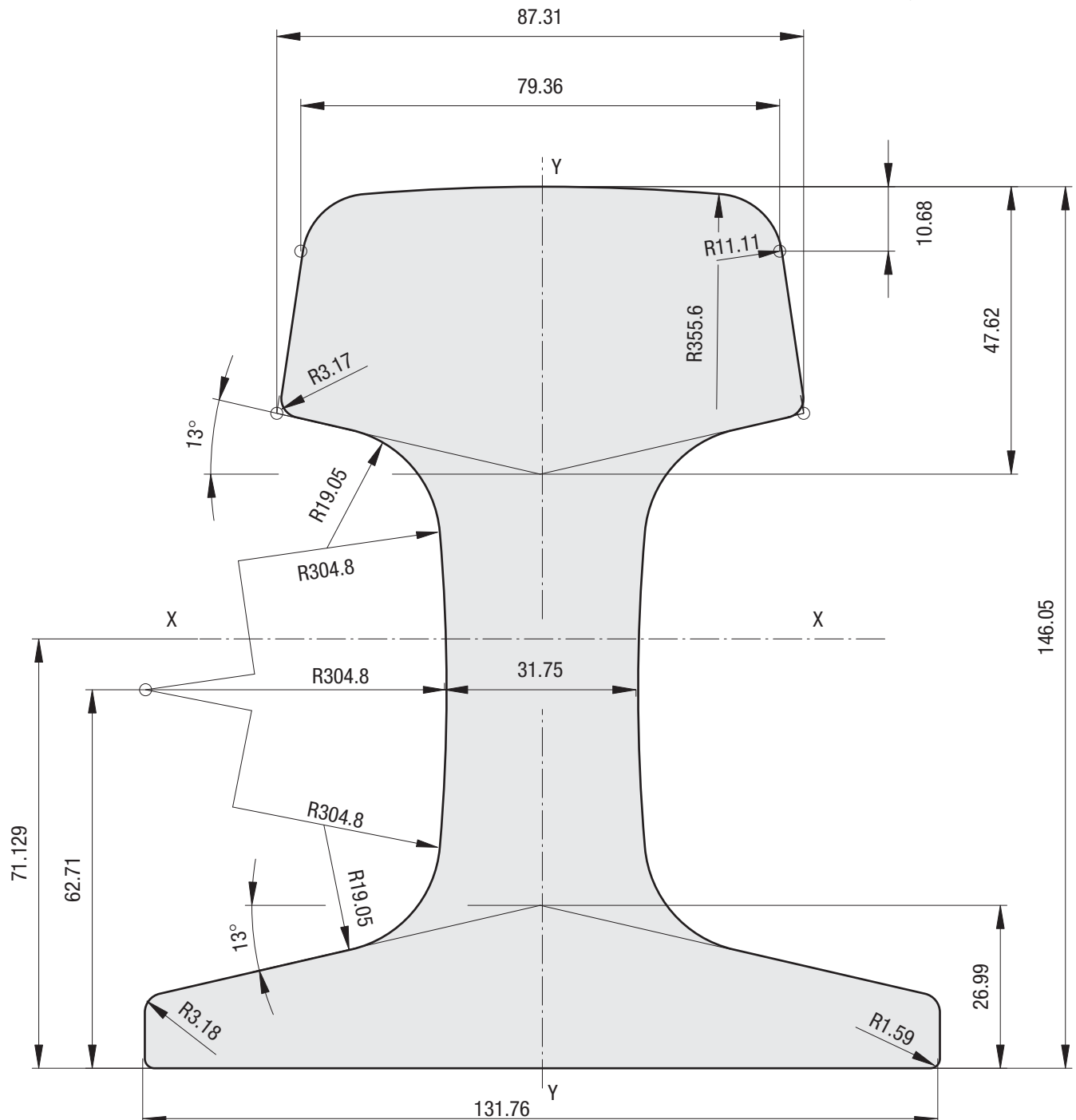
MASSE / MASS		105 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		10.30 in ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	34.41 in ⁴		
	Y-Y	8.68 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	12.39 in ³		
	X-X Fuß / Base	13.73 in ³		
	Y-Y Achse / Axis	3.35 in ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1700A



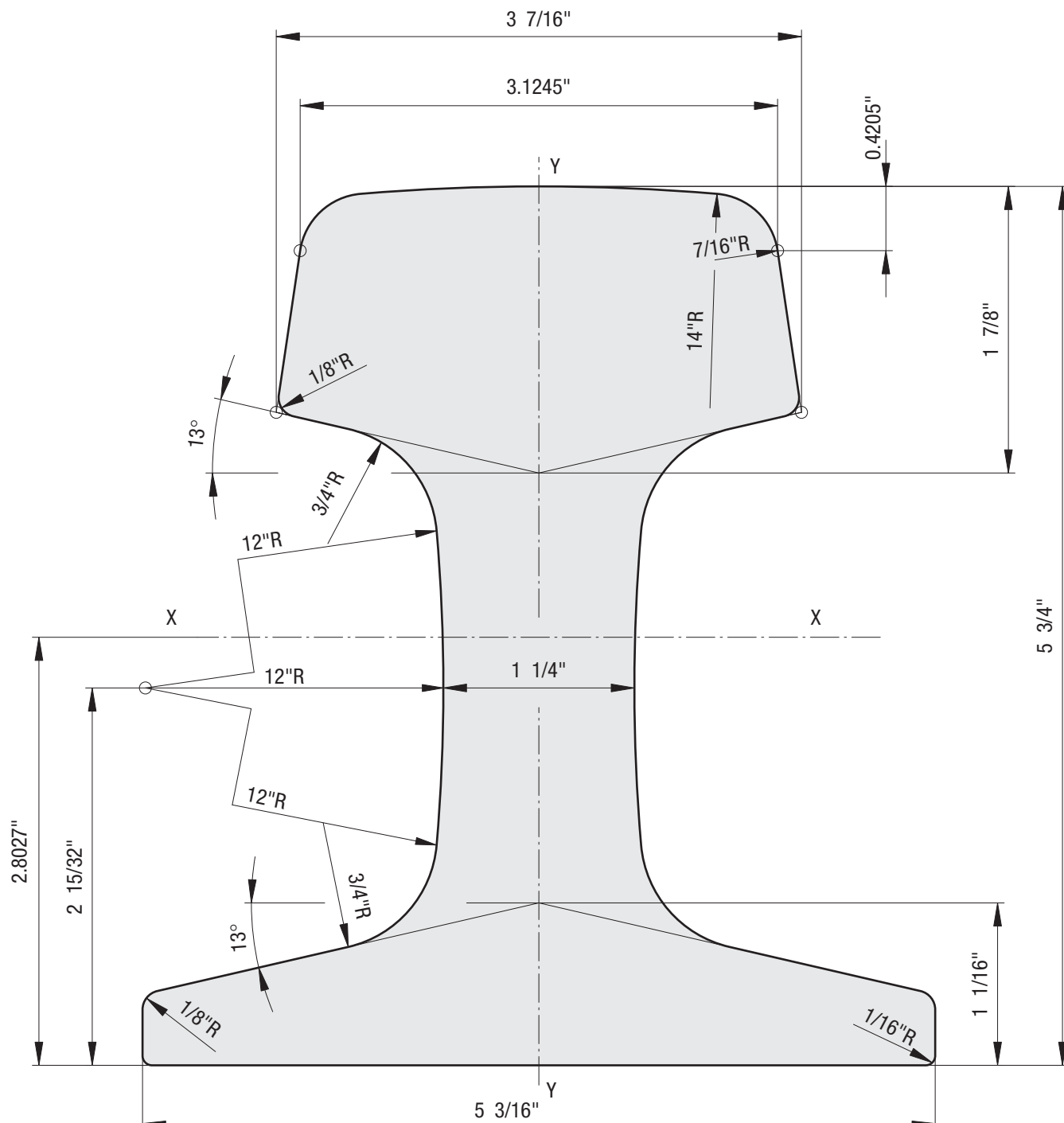
MASSE / MASS		52.08 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		66.35 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1241.9 cm ⁴		
	Y-Y	355.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	175.2 cm ³		
	X-X Fuß / Base	221.3 cm ³		
	Y-Y Achse / Axis	56.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1800



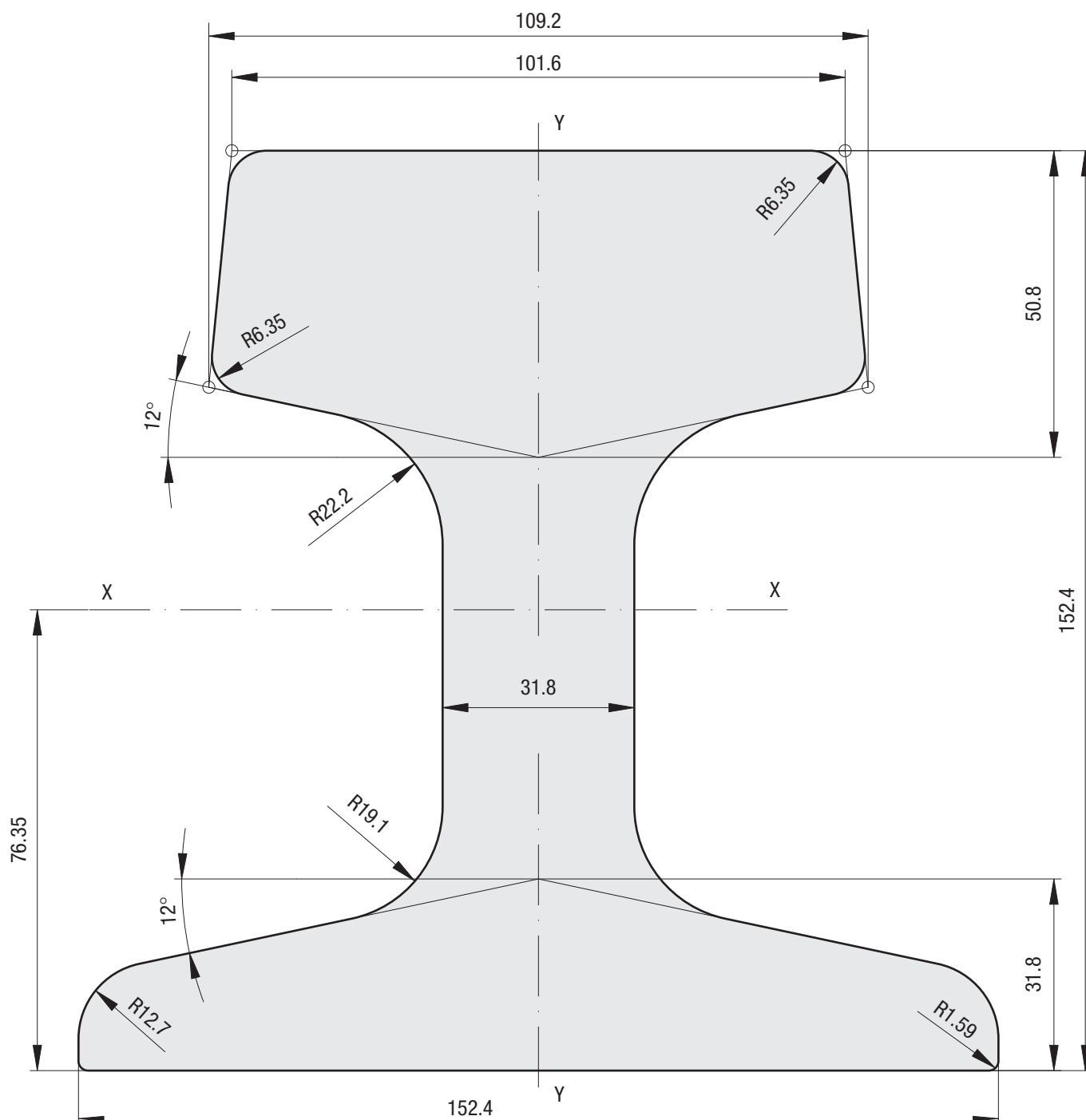
MASSE / MASS		104 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		10.29 in ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	29.84 in ⁴		
	Y-Y	8.54 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	10.69 in ³		
	X-X Fuß / Base	13.50 in ³		
	Y-Y Achse / Axis	3.42 in ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1800A



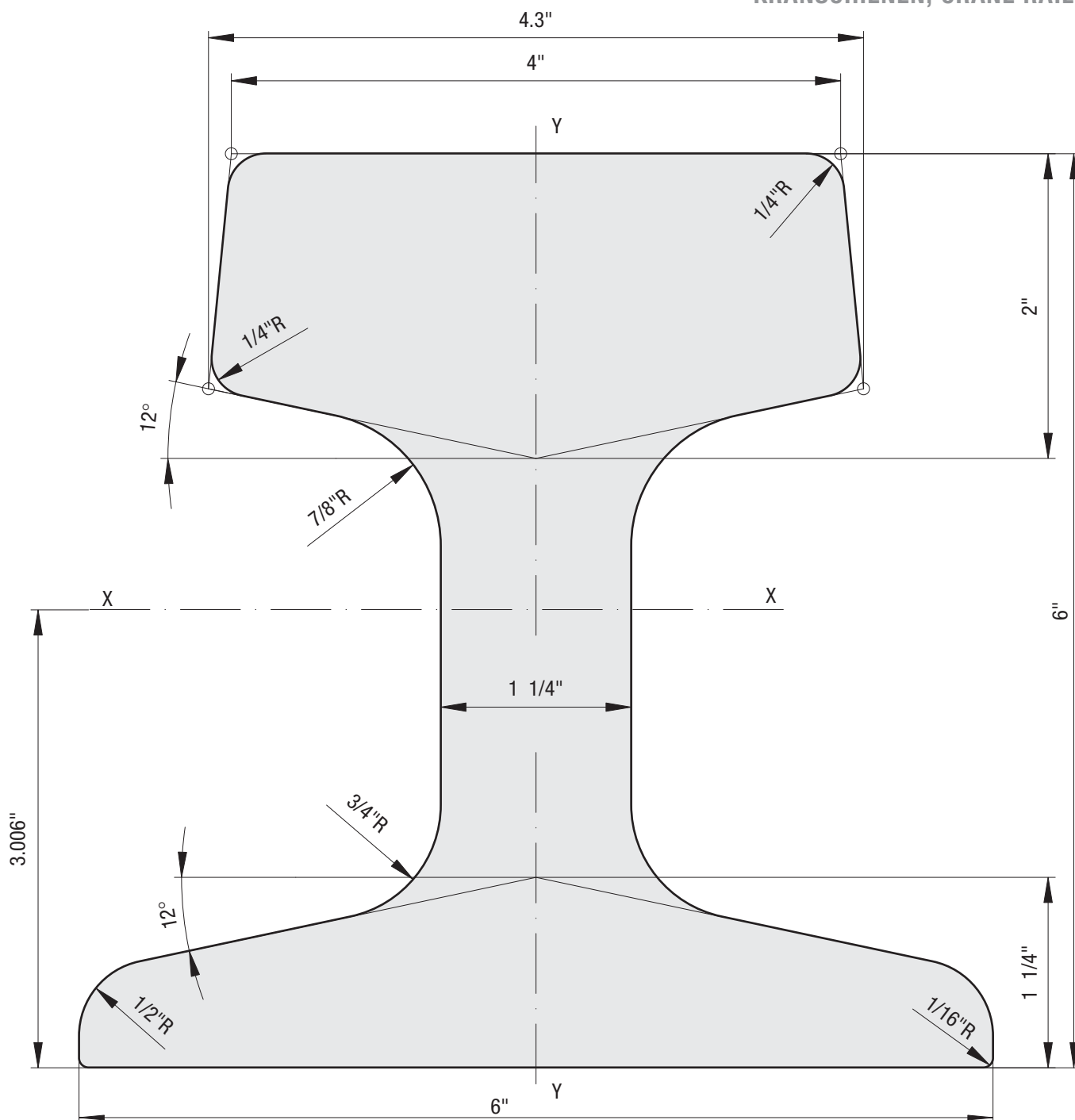
MASSE / MASS		67.77 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		86.33 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2116.0 cm ⁴		
	Y-Y	502.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	283.5 cm ³		
	X-X Fuß / Base	296.5 cm ³		
	Y-Y Achse / Axis	76.2 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1900



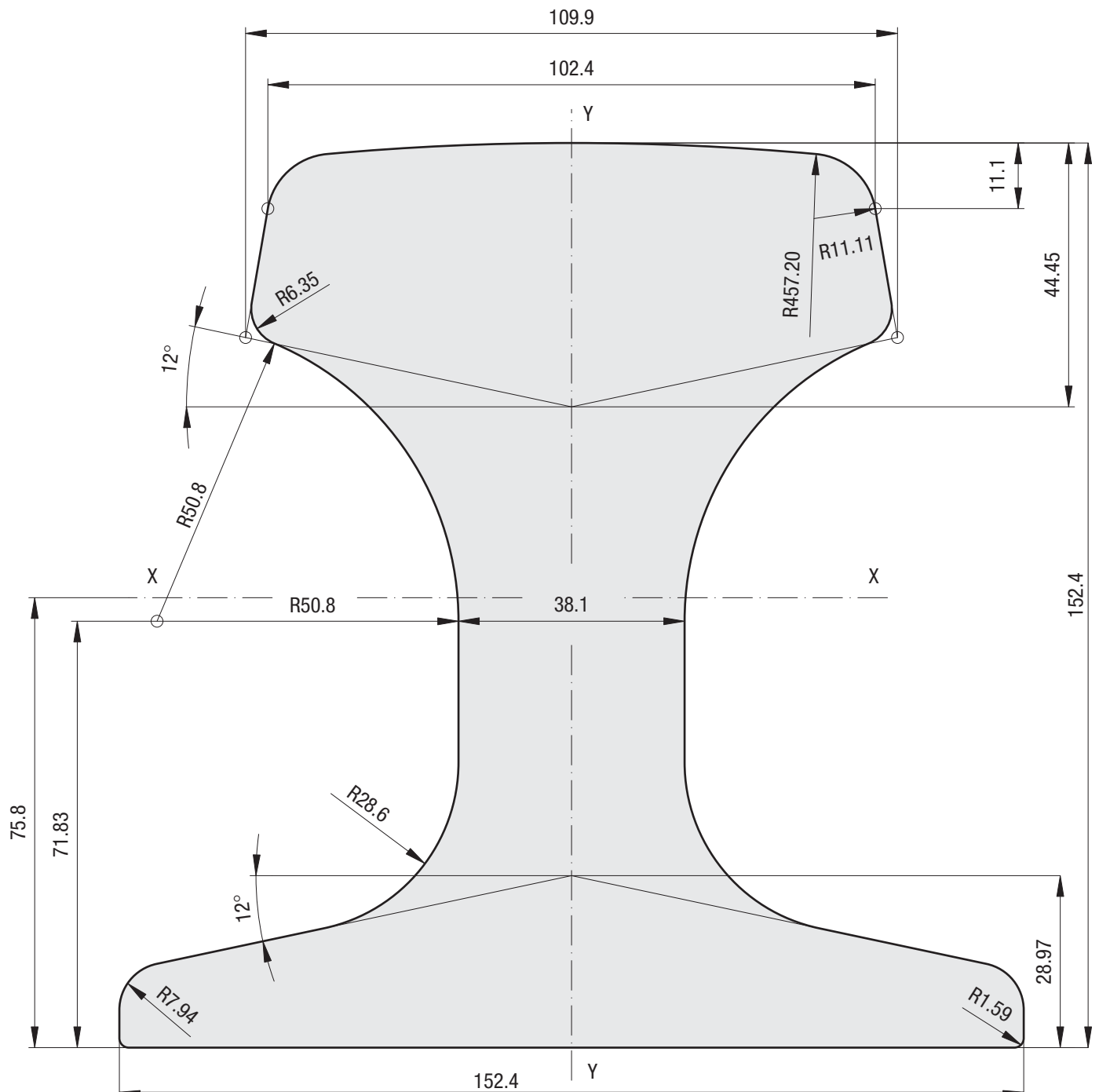
MASSE / MASS		135 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		13.32 in ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	50.59 in ⁴		
	Y-Y	12.01 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	17.29 in ³		
	X-X Fuß / Base	18.09 in ³		
	Y-Y Achse / Axis	4.65 in ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-1900A



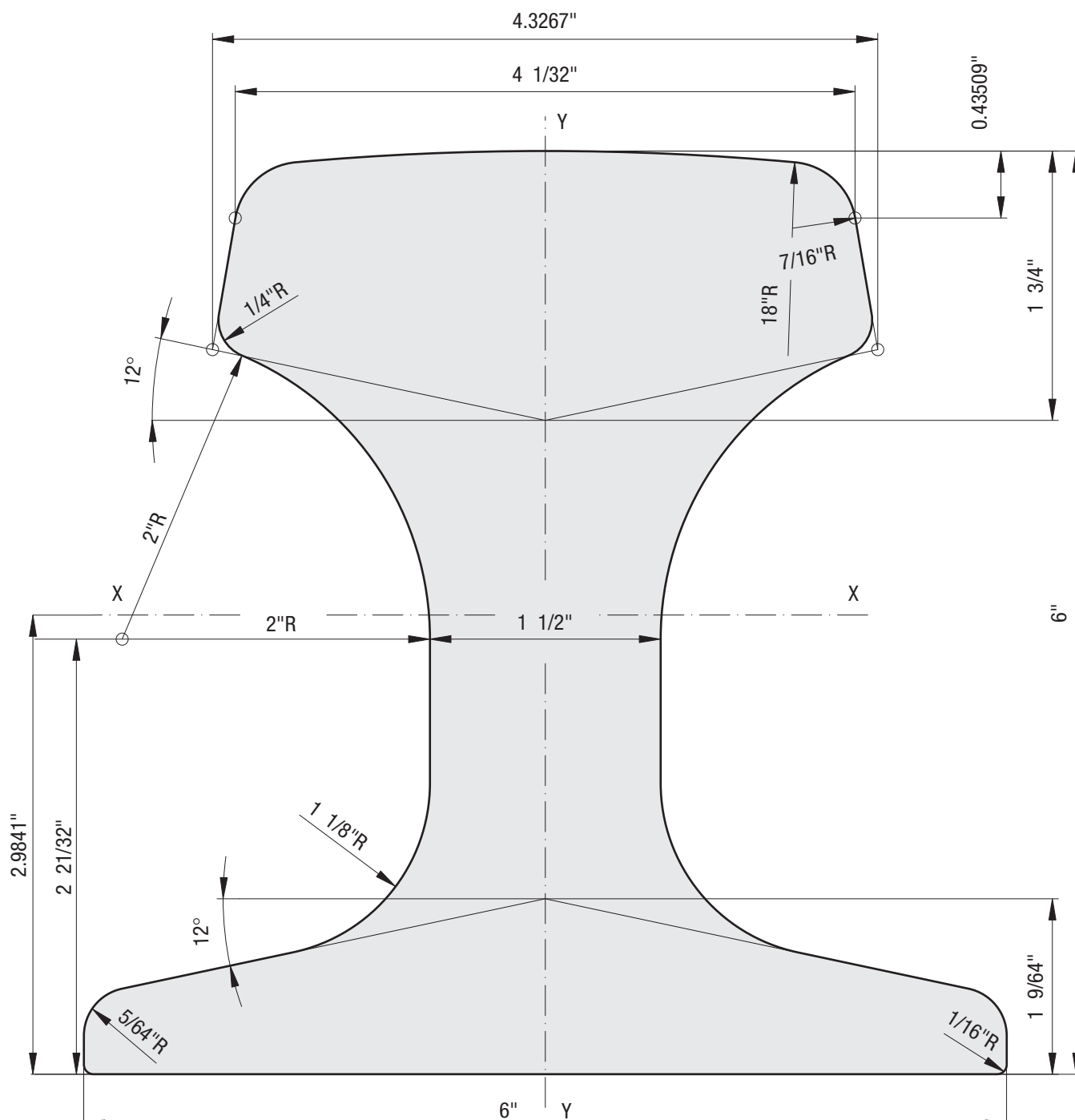
MASSE / MASS		85.14 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		108.46 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3055.0 cm ⁴		
	Y-Y	990.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	401.7 cm ³		
	X-X Fuß / Base	400.2 cm ³		
	Y-Y Achse / Axis	130.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-2000



MASSE / MASS		171 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		16.81 in ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	73.40 in ⁴		
	Y-Y	23.84 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	24.51 in ³		
	X-X Fuß / Base	24.42 in ³		
	Y-Y Achse / Axis	7.93 in ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-2000A



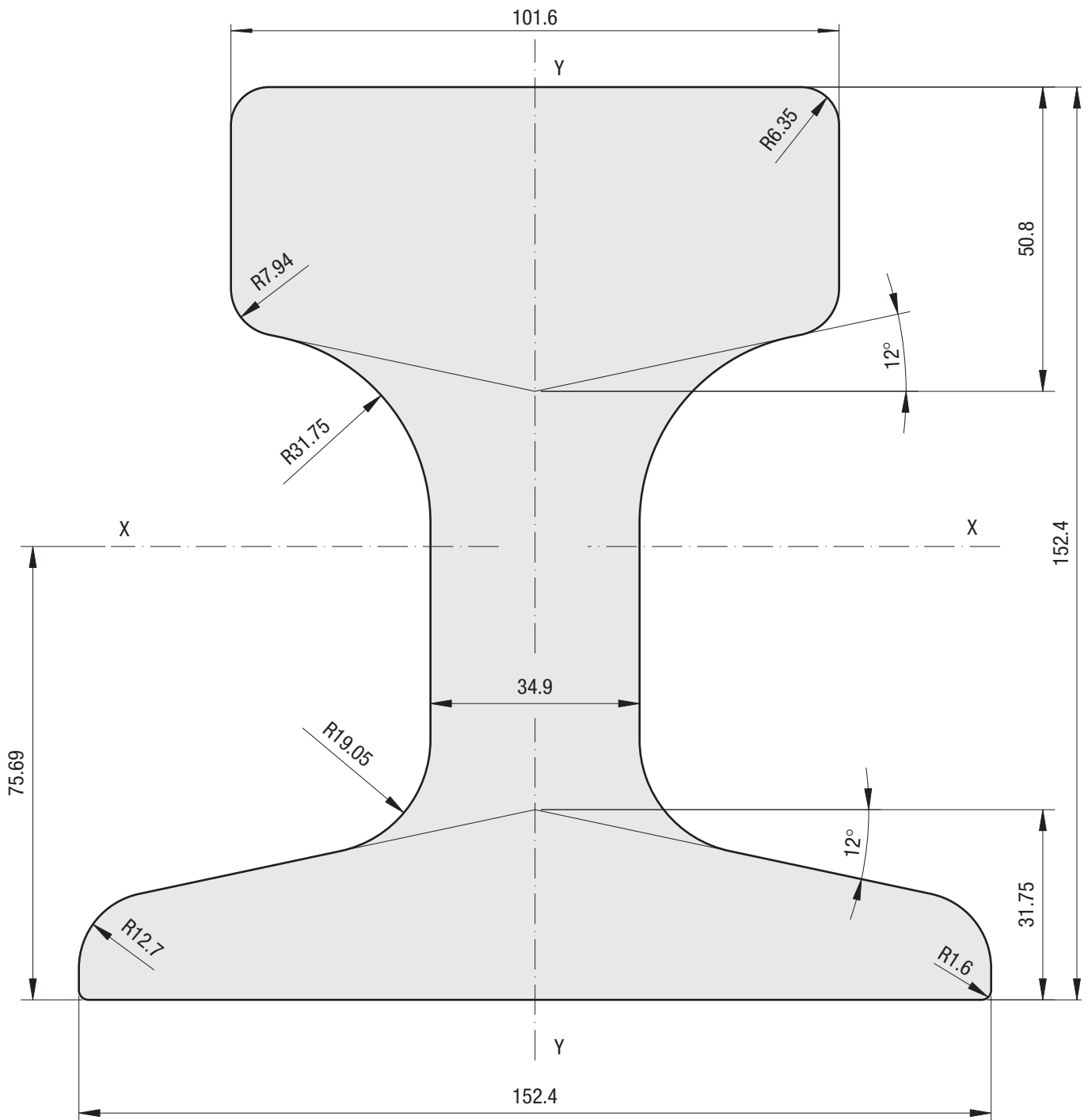
MASSE / MASS		86.84	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		110.63	cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2936.0	cm ⁴		
	Y-Y	902.3	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	383.3	cm ³		
	X-X Fuß / Base	387.4	cm ³		
	Y-Y Achse / Axis	118.4	cm ³		
				BLATTNUMMER / NUMBER OF SHEET	KS-2100



MASSE / MASS		175 lb/yd	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		17.12 in ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	70.22 in ⁴		
	Y-Y	21.58 in ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	23.83 in ³		
	X-X Fuß / Base	24.08 in ³		
	Y-Y Achse / Axis	7.22 in ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-2100A

PRI85R

KRANSCHIENEN, CRANE RAILS

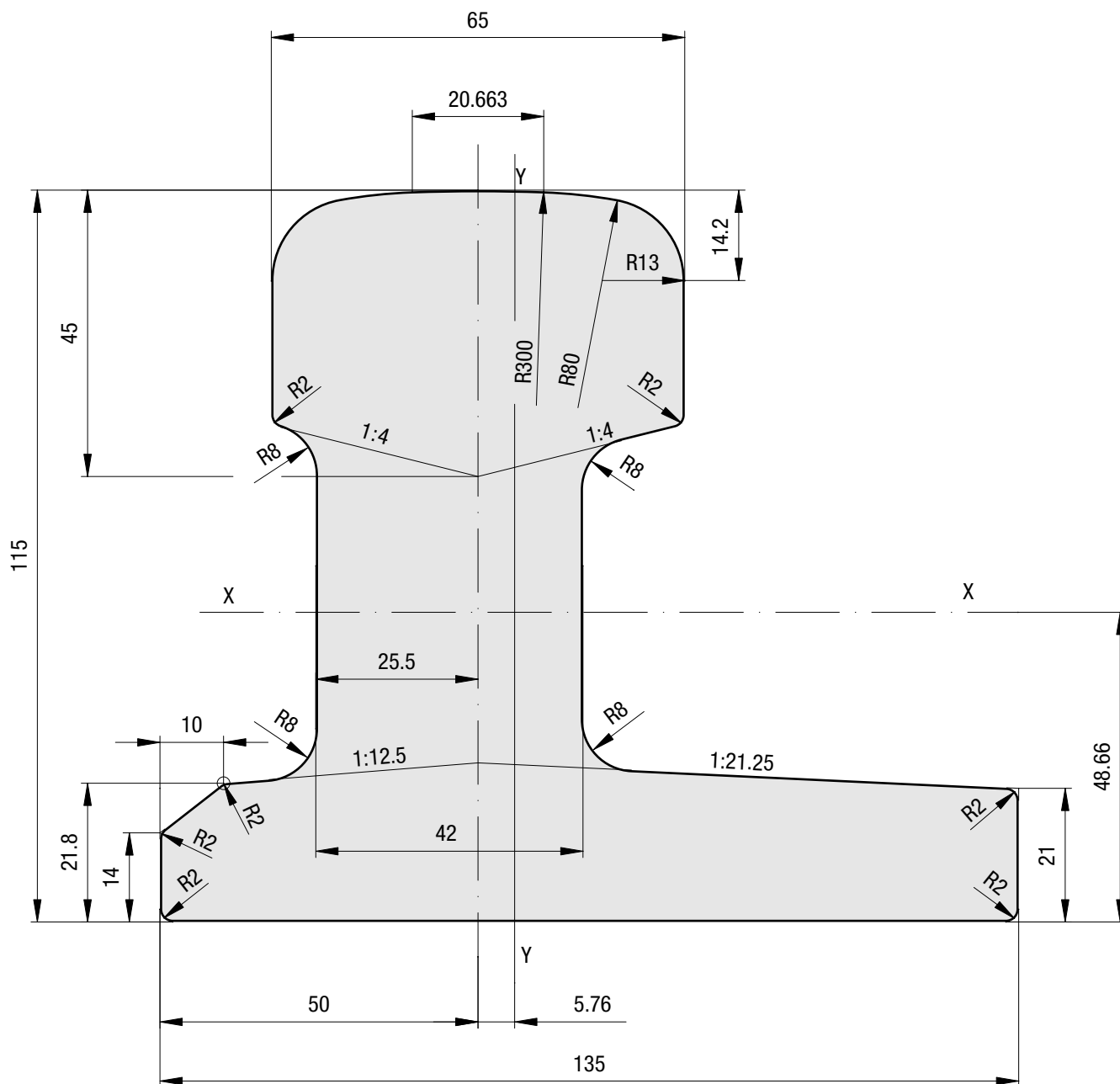


MASSE / MASS		86.85 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		110.64 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3035.0 cm ⁴		
	Y-Y	964.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	395.7 cm ³		
	X-X Fuß / Base	401.0 cm ³		
	Y-Y Achse / Axis	126.6 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	KS-2200

ZUNGENSCHIENEN / TONGUE RAILS

ZUSBBI	ZU-1100
49E1A1 (Zu2-49DB, Zu2-49)	ZU-1200
54E1T1 (ZuUIC54A)	ZU-1300
54E1A2 (Zu1-54)	ZU-1400
54E1A1 (ZuUIC54B)	ZU-1500
60E1A2 (ZuA60UNI)	ZU-1600
54E2A1 (ZuSBBIV)	ZU-1700
Zu60E2-40	ZU-1800
60E1A1 (Zu1-60)	ZU-1900

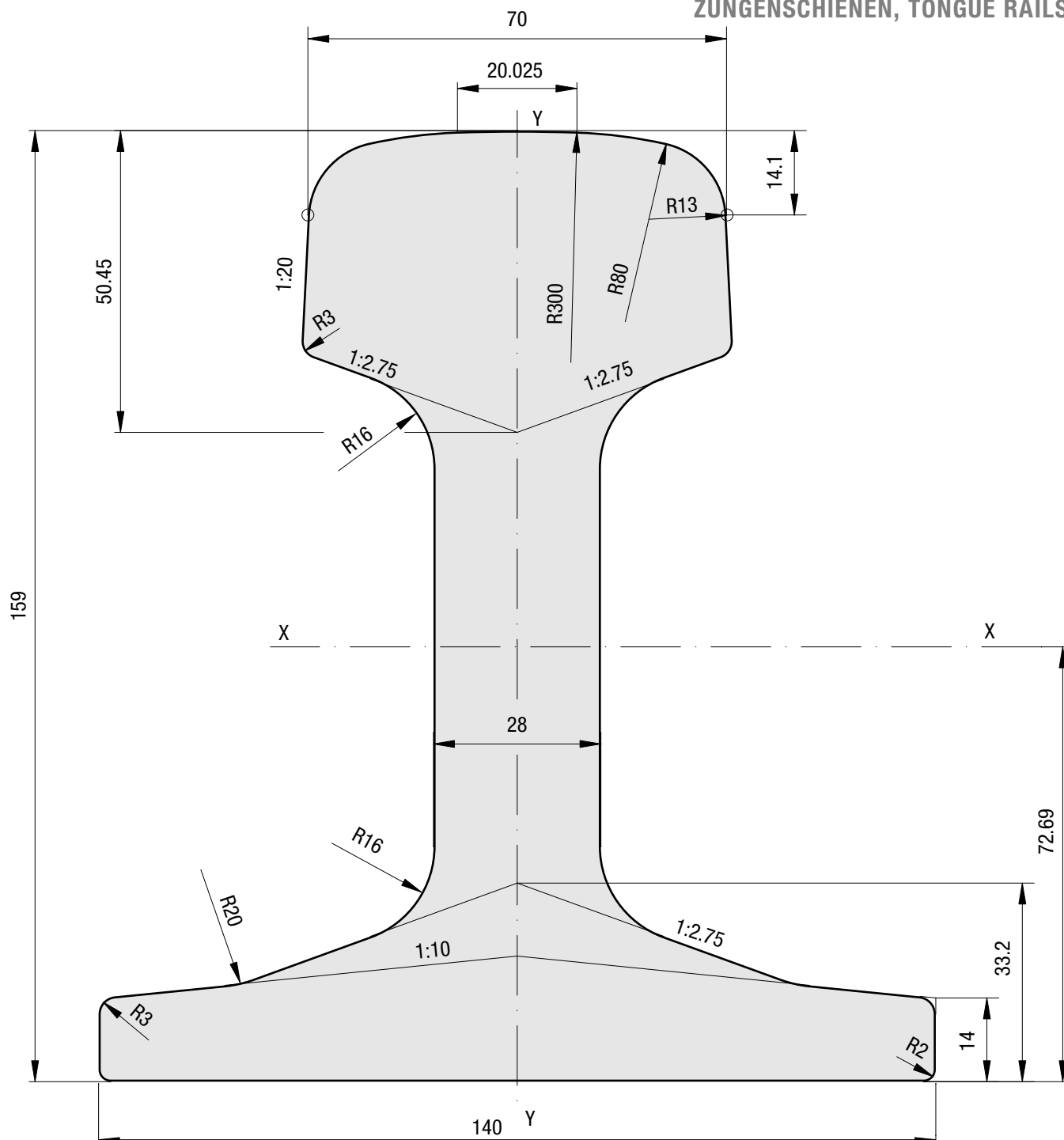




MASSE / MASS		60.37 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		76.90 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1030.9 cm ⁴		
	Y-Y	625.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	155.4 cm ³		
	X-X Fuß / Base	211.9 cm ³		
	Y-Y links / left	112.1 cm ³		
	Y-Y rechts / right	78.9 cm ³	BLATTNUMMER / NUMBER OF SHEET	ZU-1100

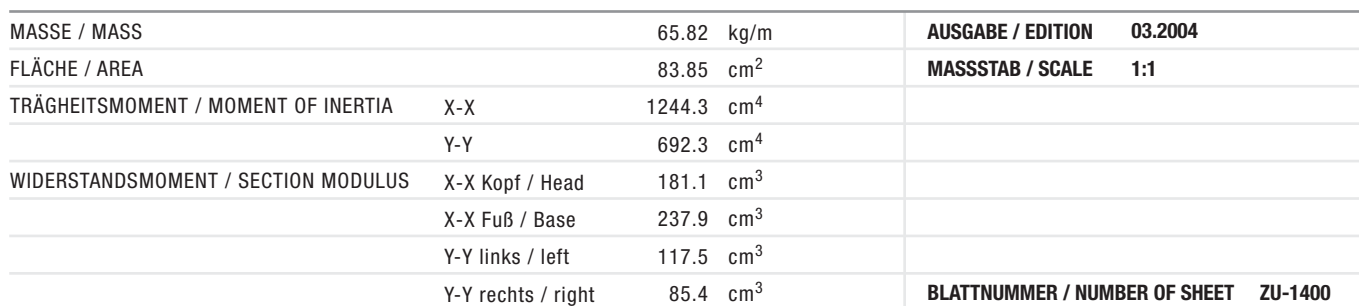
54E1T1 (ZuUIC54A)

ZUNGENSCHIENEN, TONGUE RAILS



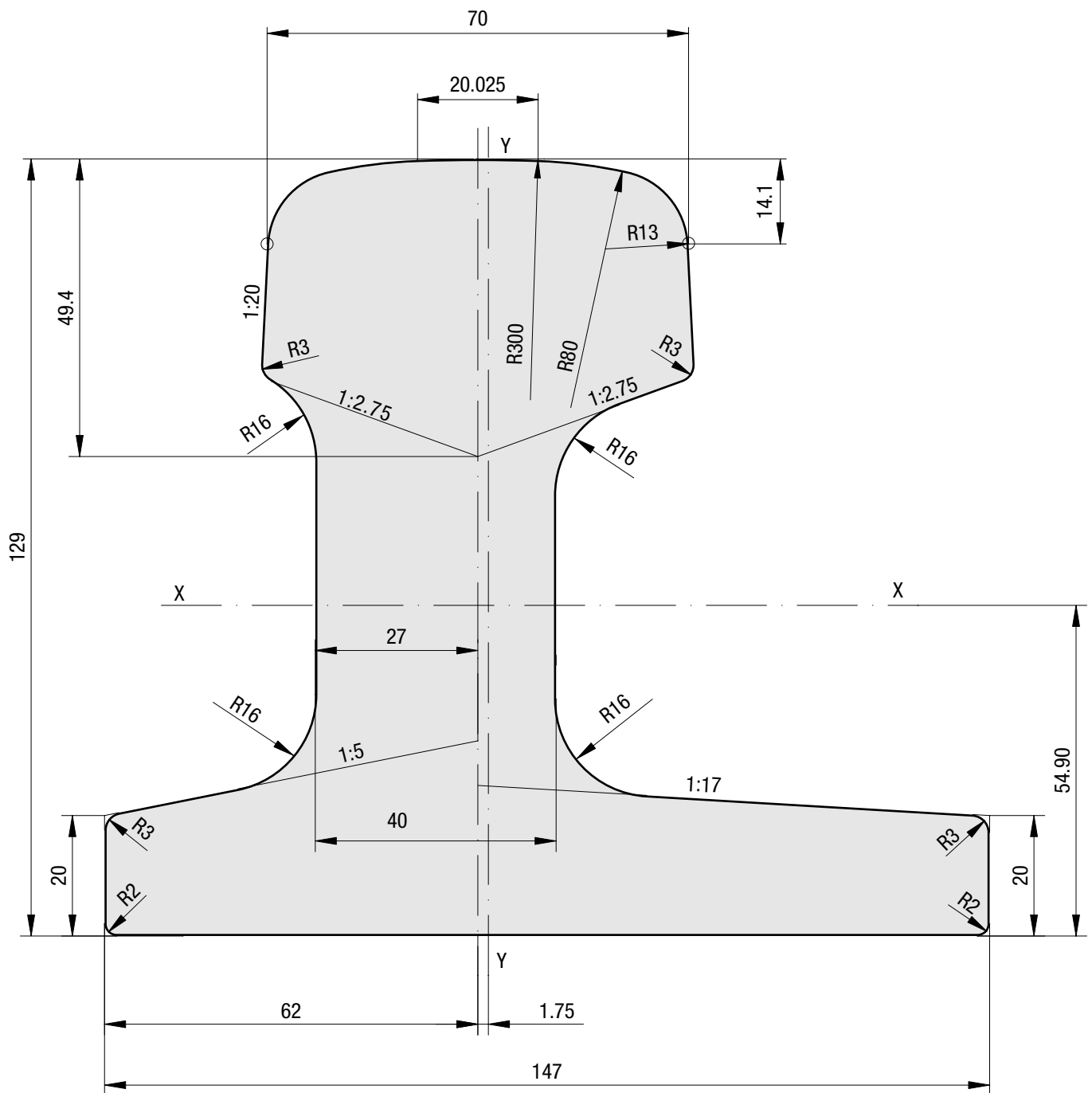
MASSE / MASS		65.40 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		83.32 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2513.8 cm ⁴		
	Y-Y	504.1 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	291.3 cm ³		
	X-X Fuß / Base	345.8 cm ³		
	Y-Y Achse / Axis	72.0 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	ZU-1300

ZUNGENSCHIENEN, TONGUE RAILS



54E1A1 (ZuUIC54B)

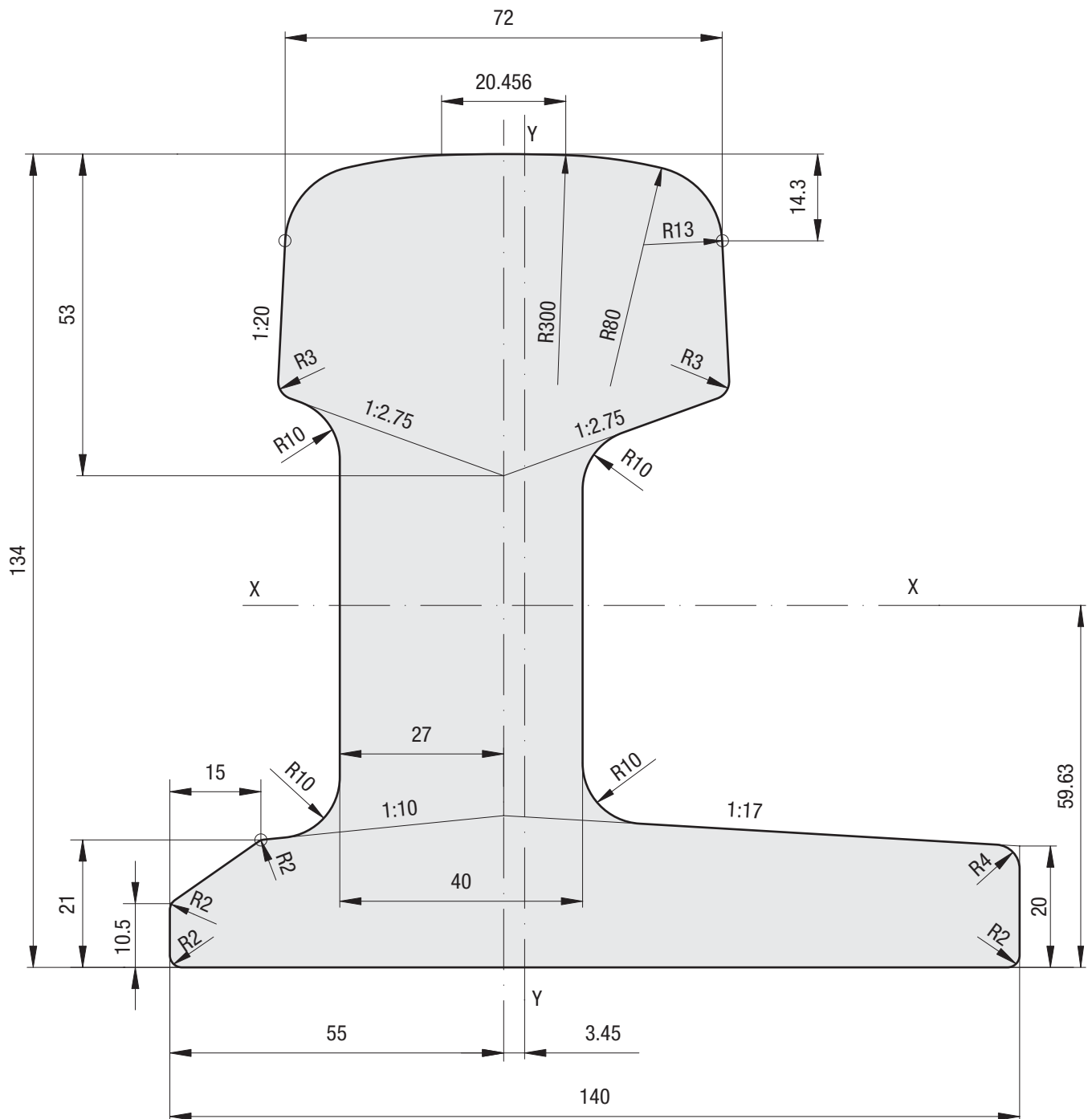
ZUNGENSCHIENEN, TONGUE RAILS



MASSE / MASS		68.95 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		87.83 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1544.0 cm ⁴		
	Y-Y	767.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	208.4 cm ³		
	X-X Fuß / Base	281.3 cm ³		
	Y-Y links / left	120.4 cm ³		
	Y-Y rechts / right	92.2 cm ³	BLATTNUMMER / NUMBER OF SHEET	ZU-1500

60E1A2 (ZuA60UNI)

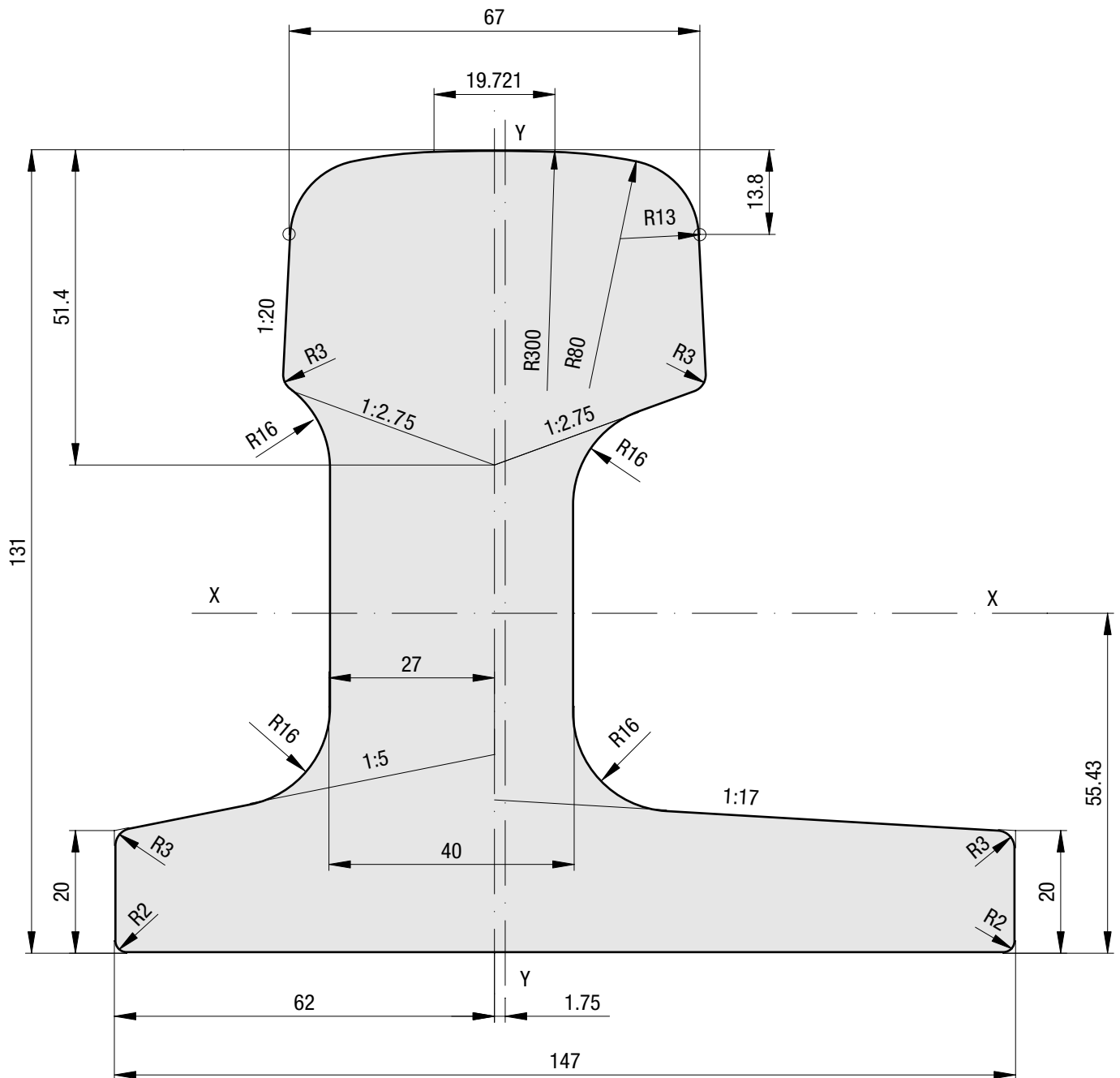
ZUNGENSCHIENEN, TONGUE RAILS



MASSE / MASS		69.04 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		87.95 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1688.2 cm ⁴		
	Y-Y	695.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	227.0 cm ³		
	X-X Fuß / Base	283.1 cm ³		
	Y-Y links / left	119.0 cm ³		
	Y-Y rechts / right	85.3 cm ³	BLATTNUMMER / NUMBER OF SHEET	ZU-1600

54E2A1 (ZuSBBIV)

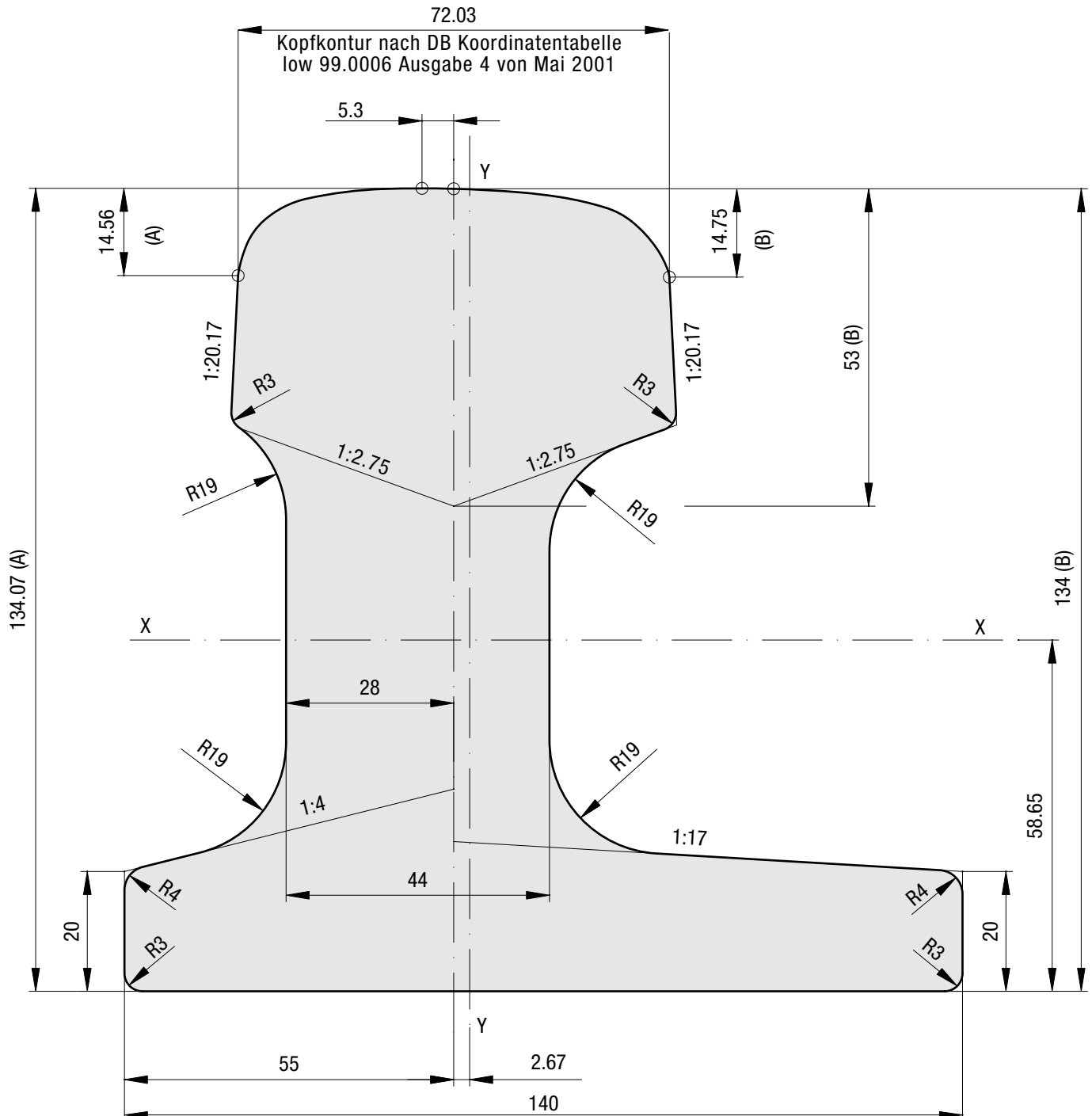
ZUNGENSCHIENEN, TONGUE RAILS



MASSE / MASS		69.25 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		88.22 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1587.3 cm ⁴		
	Y-Y	761.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	210.0 cm ³		
	X-X Fuß / Base	286.4 cm ³		
	Y-Y links / left	119.5 cm ³		
	Y-Y rechts / right	91.5 cm ³	BLATTNUMMER / NUMBER OF SHEET	ZU-1700

Zu60E2-40

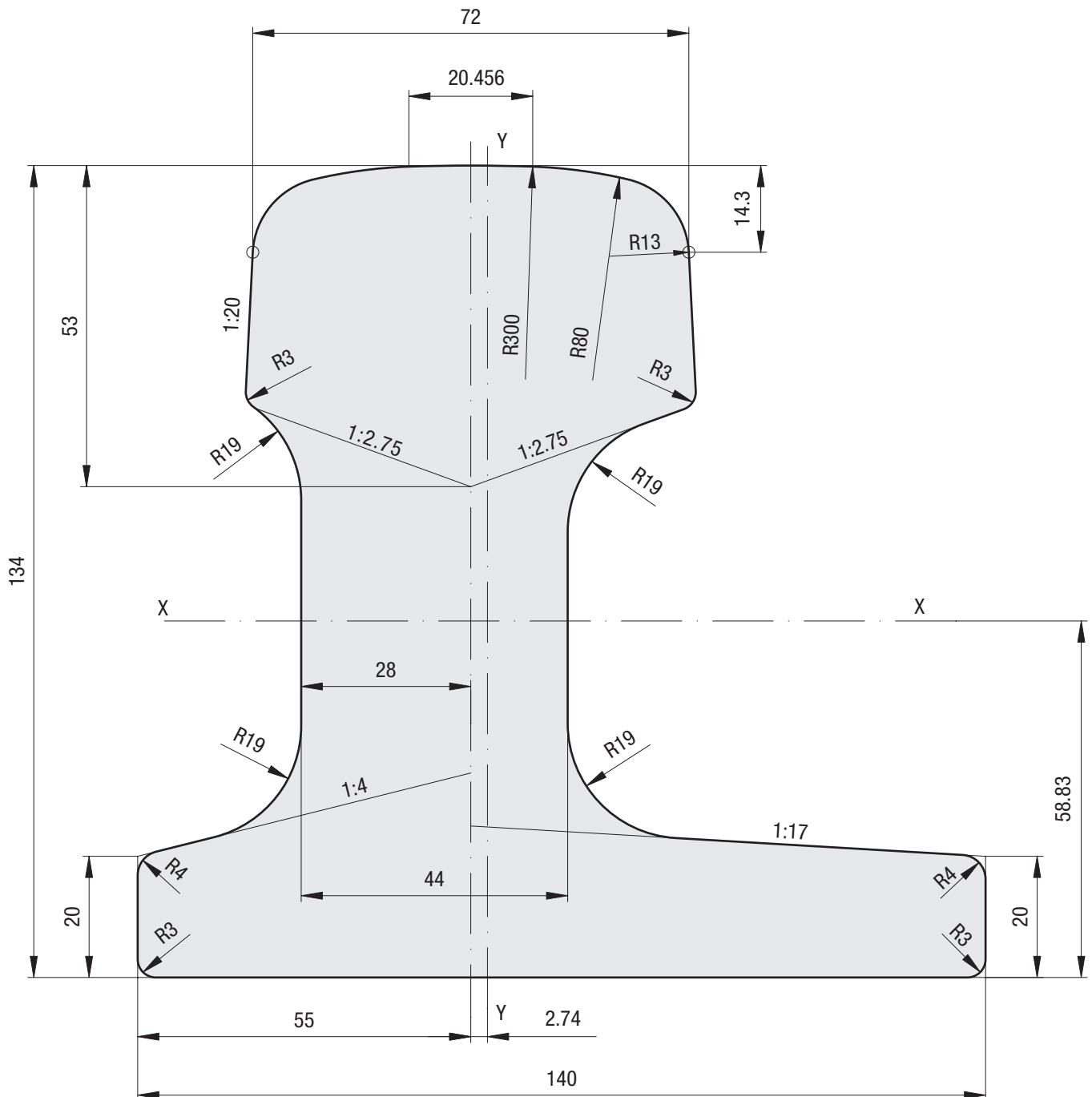
ZUNGENSCHIENEN, TONGUE RAILS



MASSE / MASS	72.78	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	92.71	cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1715.1	cm ⁴	
	Y-Y	739.6	cm ⁴	
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	227.6	cm ³	
	X-X Fuß / Base	292.4	cm ³	
	Y-Y links / left	128.3	cm ³	
	Y-Y rechts / right	89.8	cm ³	
			BLATTNUMMER / NUMBER OF SHEET	ZU-1800

60E1A1 (Zu1-60)

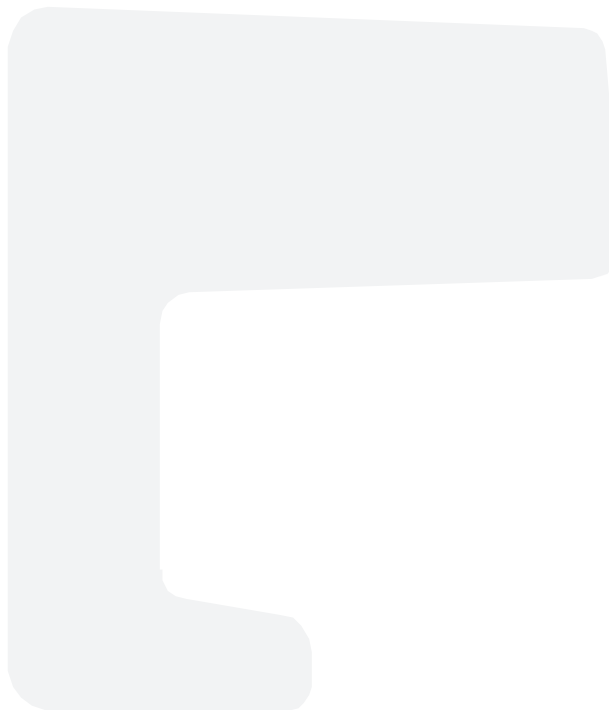
ZUNGENSCHIENEN, TONGUE RAILS



MASSE / MASS		72.97 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		92.95 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1726.9 cm ⁴		
	Y-Y	741.2 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	229.7 cm ³		
	X-X Fuß / Base	293.5 cm ³		
	Y-Y links / left	128.4 cm ³		
	Y-Y rechts / right	90.1 cm ³	BLATTNUMMER / NUMBER OF SHEET	ZU-1900

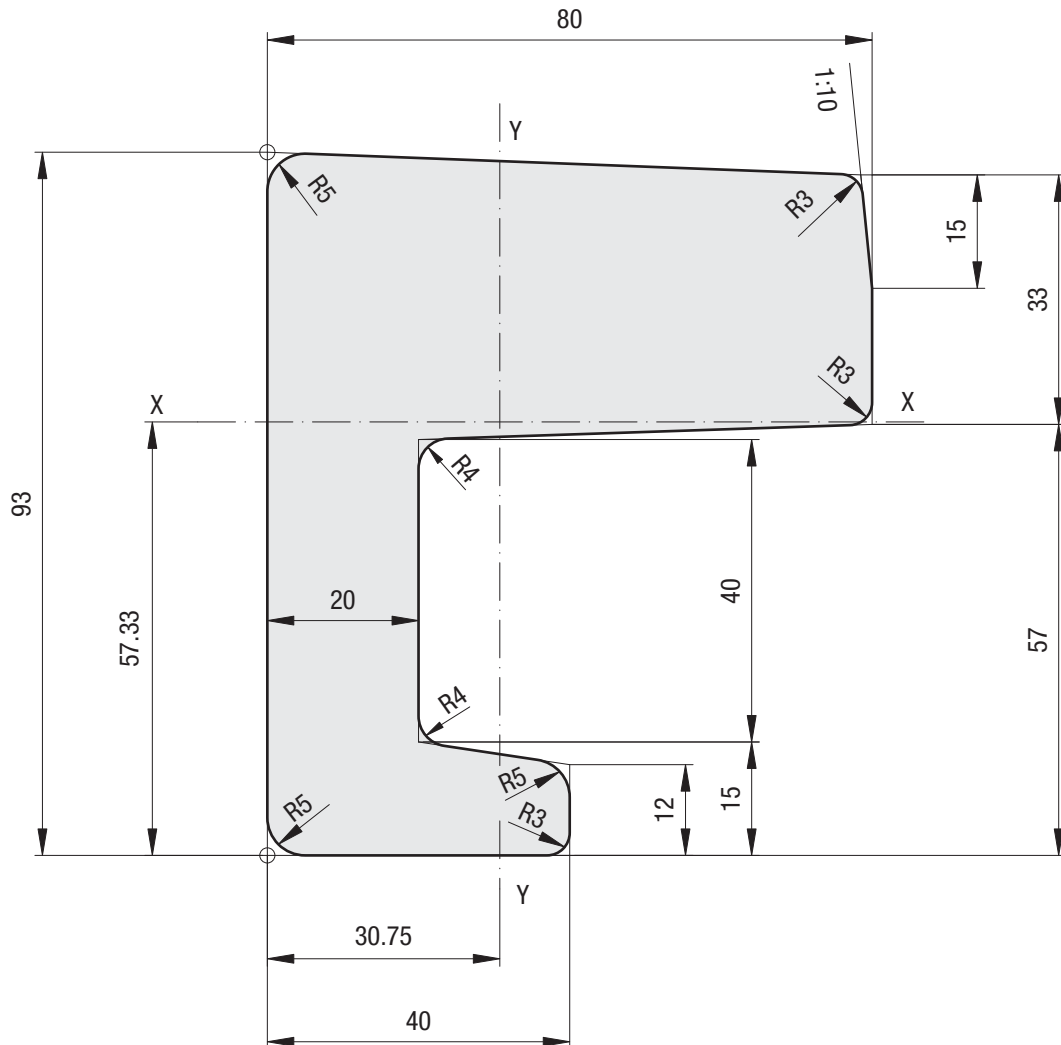
RADLENKER / GUARD RAILS

33C1 (RIUIC33, RI1-60)	RL-1100
36C1 (RI1-49)	RL-1200
RISBB	RL-1300
48C1 (RI1-54)	RL-1400



33C1 (RIUIC33, RI1-60)

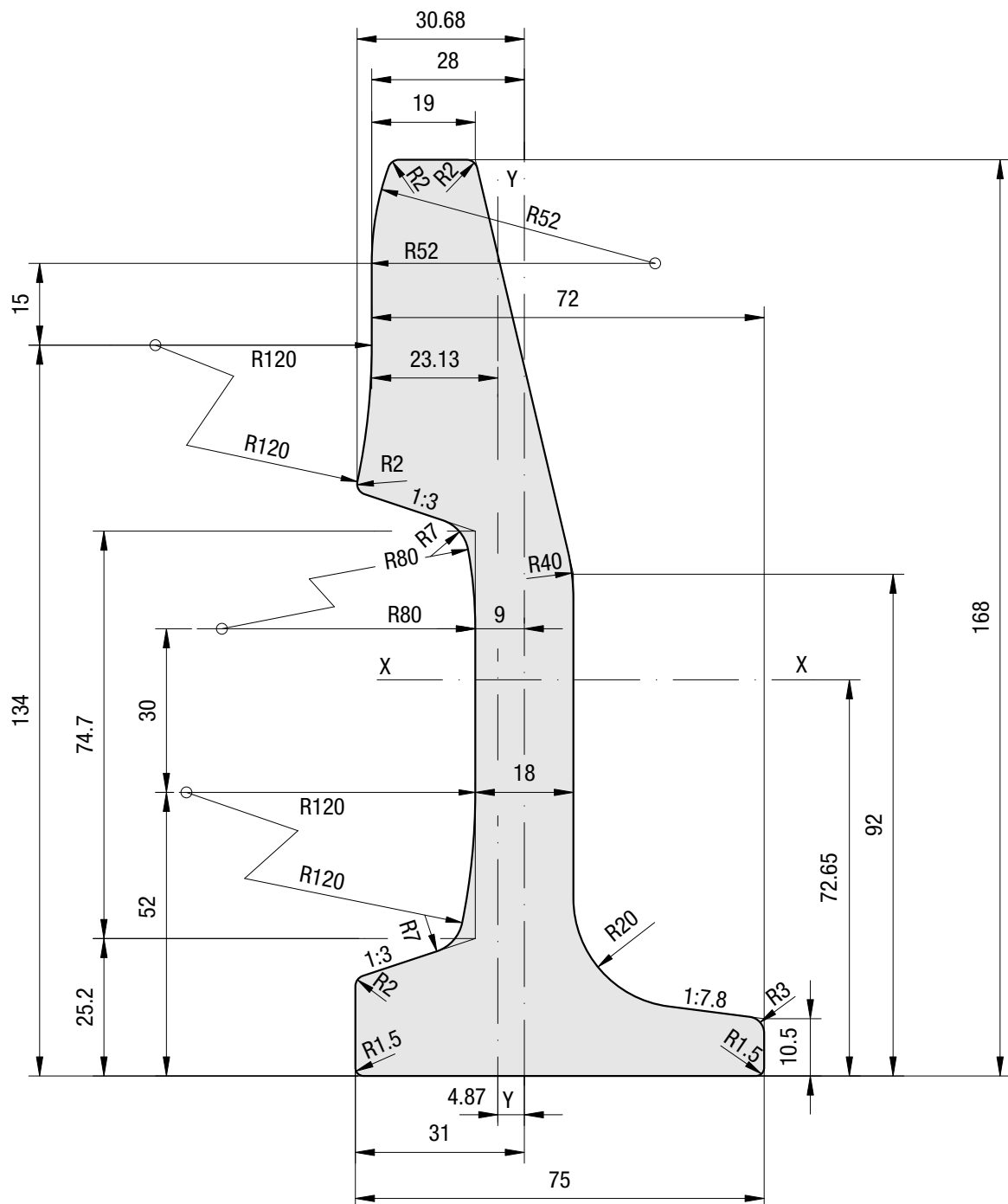
RADLENKER, GUARD RAILS



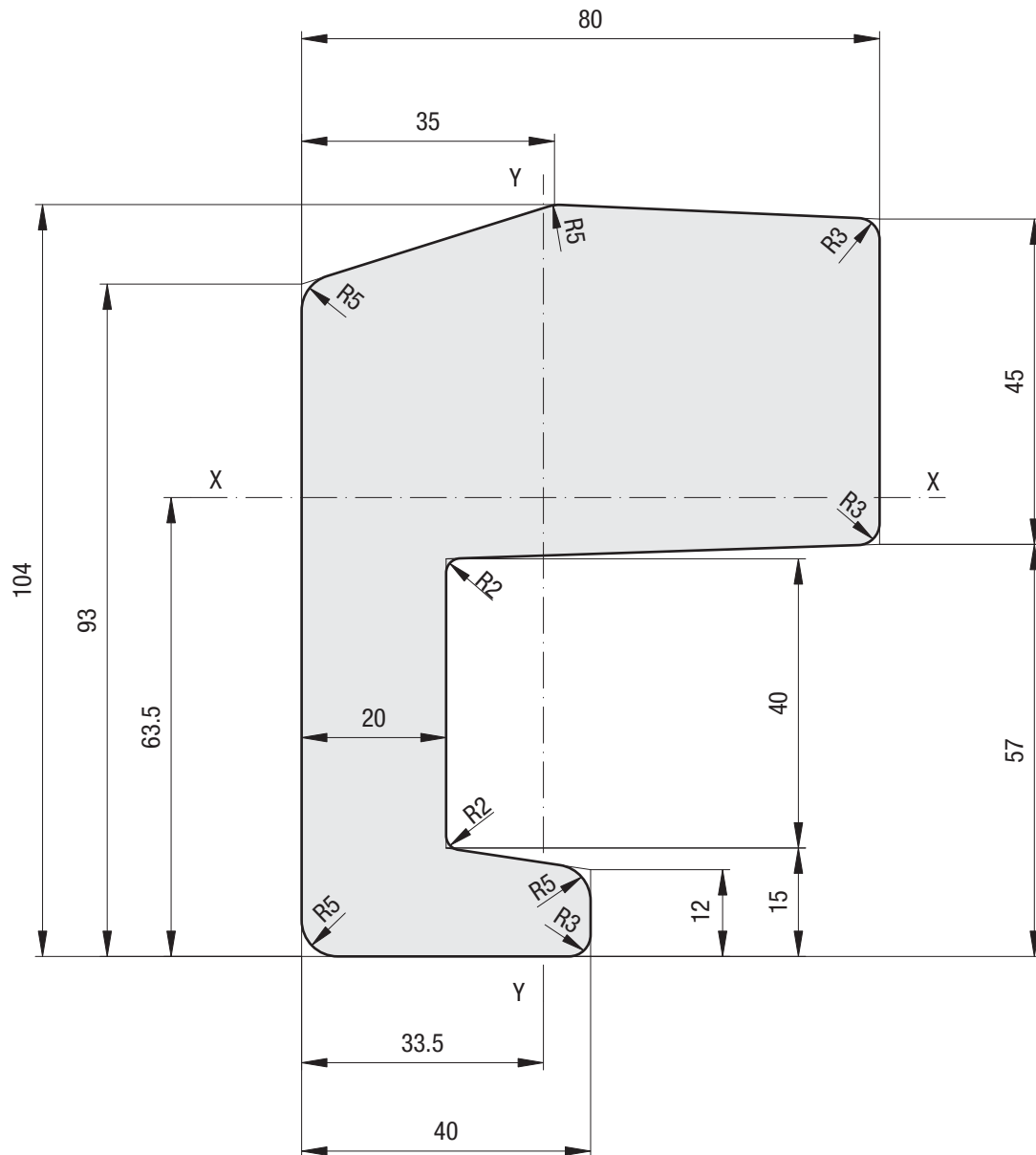
MASSE / MASS		32.99 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		42.02 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	297.0 cm ⁴		
	Y-Y	218.8 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	83.7 cm ³		
	X-X Fuß / Base	51.8 cm ³		
	Y-Y links / left	71.2 cm ³		
	Y-Y rechts / right	44.4 cm ³	BLATTNUMMER / NUMBER OF SHEET	RL-1100

36C1 (RI1-49)

RADLENKER, GUARD RAILS



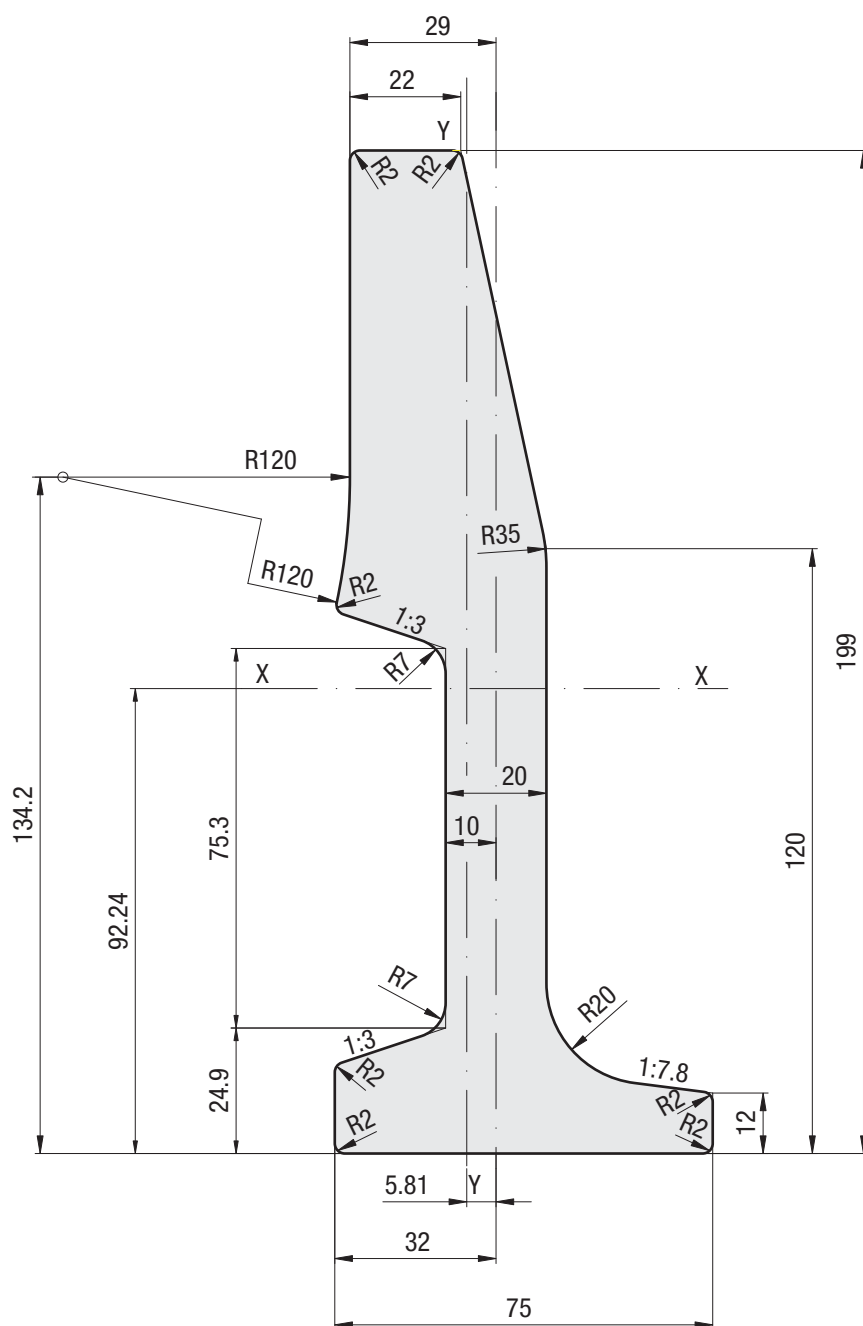
MASSE / MASS		36.14 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		46.04 cm ²	MASSSTAB / SCALE	1:1.2
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1312.3 cm ⁴		
	Y-Y	95.6 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	137.6 cm ³		
	X-X Fuß / Base	180.6 cm ³		
	Y-Y links / left	36.6 cm ³		
	Y-Y rechts / right	19.6 cm ³	BLATTNUMMER / NUMBER OF SHEET	RL-1200



MASSE / MASS		39.06 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		49.76 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	398.4 cm ⁴		
	Y-Y	268.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	98.4 cm ³		
	X-X Fuß / Base	62.8 cm ³		
	Y-Y links / left	80.3 cm ³		
	Y-Y rechts / right	57.8 cm ³	BLATTNUMMER / NUMBER OF SHEET	RL-1300

48C1 (RI1-54)

RADLENKER, GUARD RAILS



MASSE / MASS		48.31 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		61.54 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2330.5 cm ⁴		
	Y-Y	123.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	218.3 cm ³		
	X-X Fuß / Base	252.6 cm ³		
	Y-Y links / left	47.1 cm ³		
	Y-Y rechts / right	25.3 cm ³	BLATTNUMMER / NUMBER OF SHEET	RL-1400

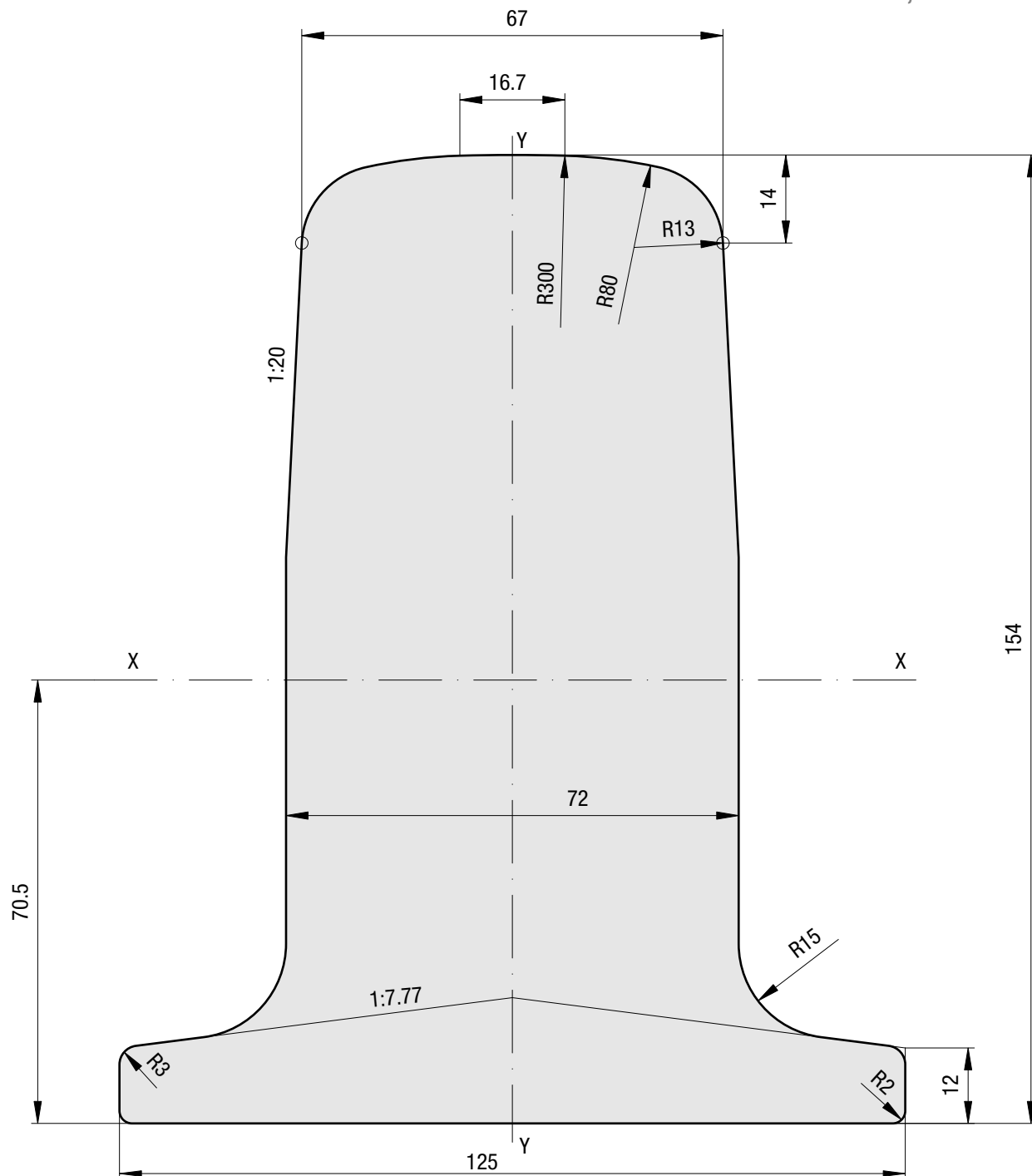
VOLLSCHIENEN / FULL WEB RAILS

54E3F1 (Vo1-54)	_____	VO-1100
49E1F1 (Vo1-49)	_____	VO-1200
Vo60E2-40	_____	VO-1300
60E1F1 (Vo1-60)	_____	VO-1400



54E3F1 (Vo1-54)

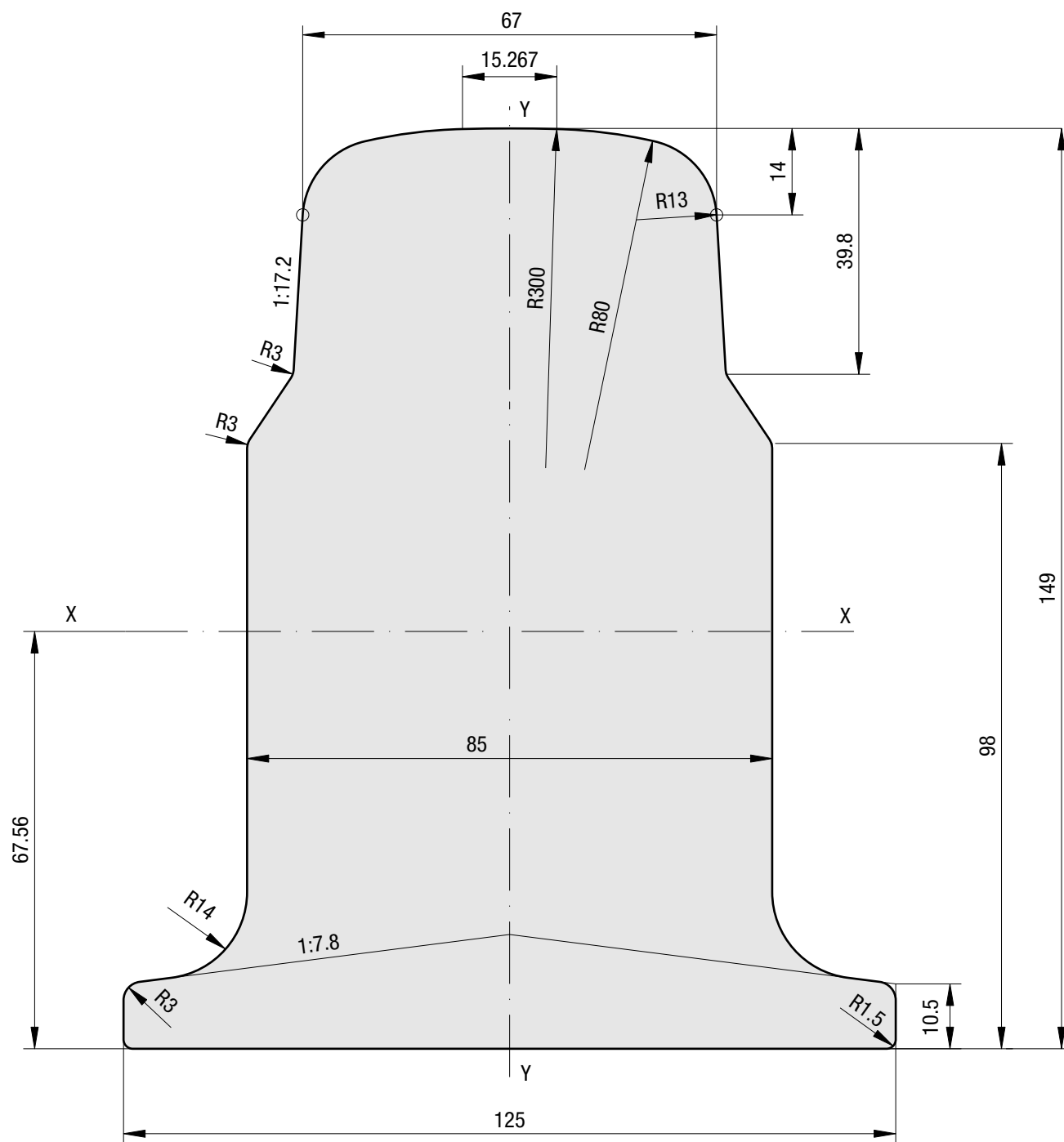
VOLLSCHIENEN, FULL WEB RAILS



MASSE / MASS		90.72 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		115.56 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2389 cm ⁴		
	Y-Y	630.3 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	286.1 cm ³		
	X-X Fuß / Base	338.9 cm ³		
	Y-Y Achse / Axis	100.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VO-1100

49E1F1 (Vo1-49)

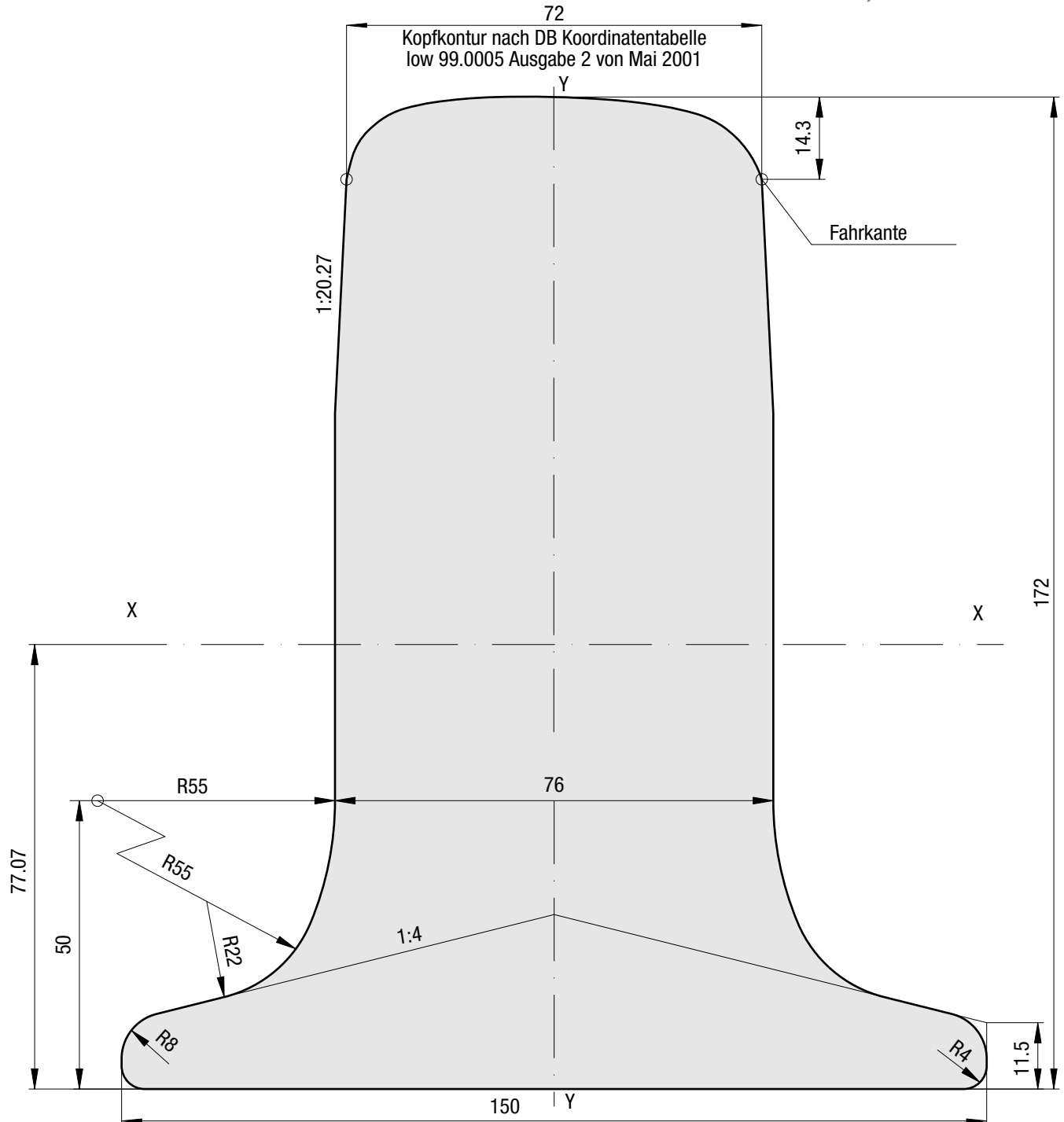
VOLLSCHIENEN, FULL WEB RAILS



MASSE / MASS		96.55 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		123.0 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2234.0 cm ⁴		
	Y-Y	779.9 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	274.3 cm ³		
	X-X Fuß / Base	330.6 cm ³		
	Y-Y Achse / Axis	124.8 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	VO-1200

Vo60E2-40

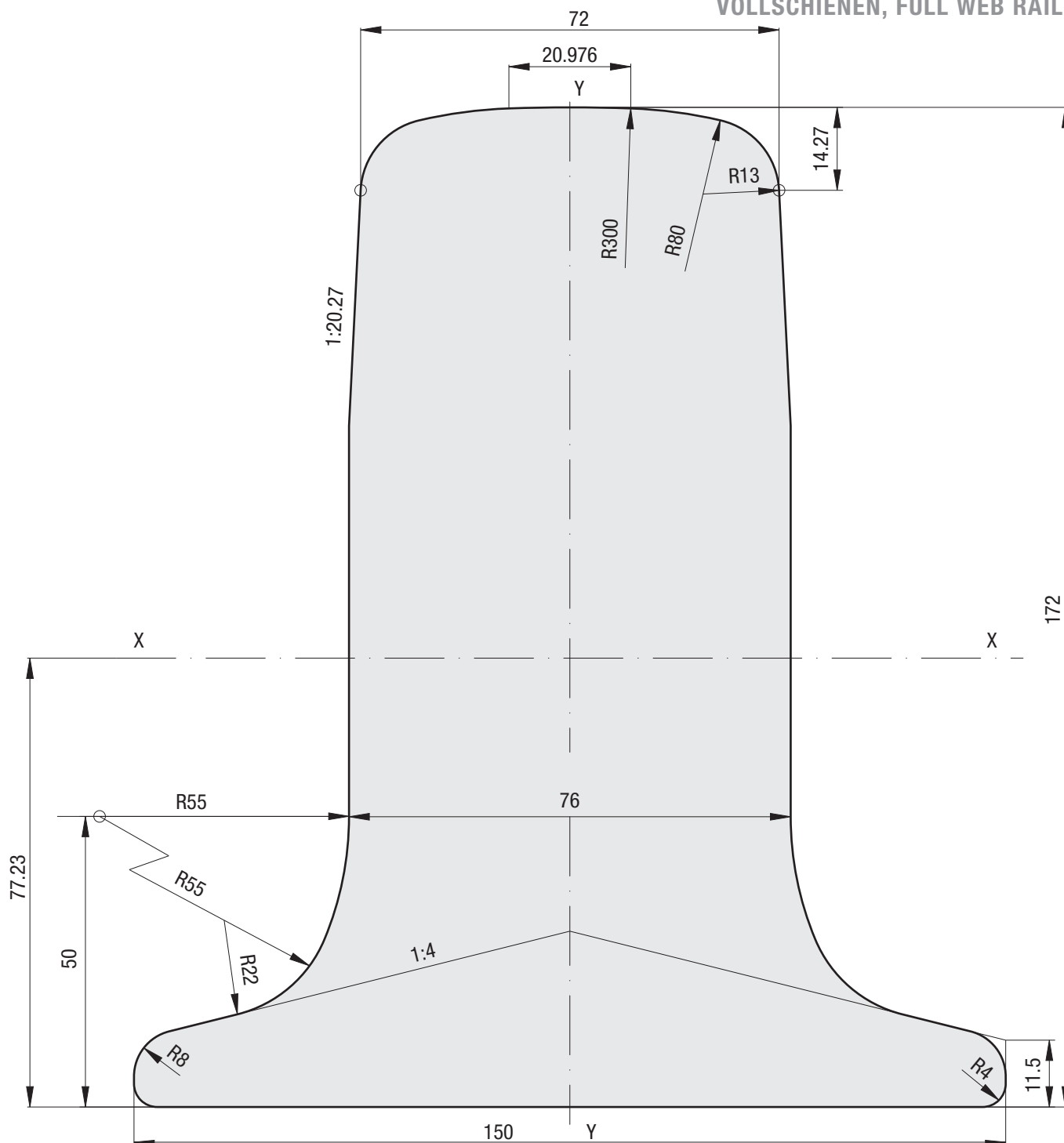
VOLLSCHIENEN, FULL WEB RAILS



MASSE / MASS		111.04	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		141.45	cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3716.0	cm ⁴		
	Y-Y	990.1	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	391.4	cm ³		
	X-X Fuß / Base	482.2	cm ³		
	Y-Y links / left	132.0	cm ³		
	Y-Y rechts / right	132.0	cm ³	BLATTNUMMER / NUMBER OF SHEET	VO-1300

60E1F1 (Vo1-60)

VOLLSCHIENEN, FULL WEB RAILS



MASSE / MASS		111.24	kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		141.71	cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	3737.3	cm ⁴		
	Y-Y	992.3	cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	394.3	cm ³		
	X-X Fuß / Base	483.9	cm ³		
	Y-Y Achse / Axis	132.3	cm ³		
				BLATTNUMMER / NUMBER OF SHEET	VO-1400

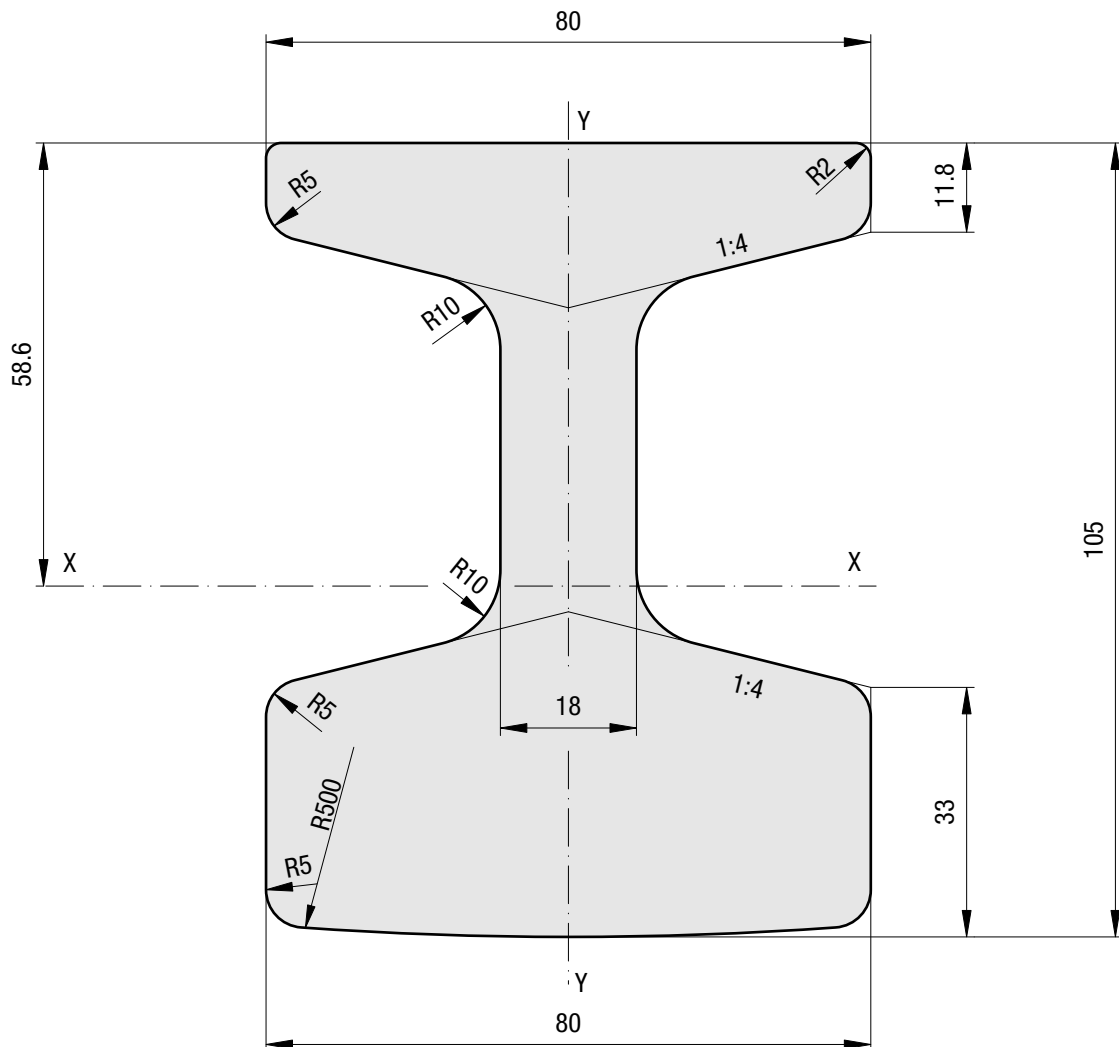
STROMSCHIENEN / CONDUCTOR RAILS

STR40	ST-1100
STS	ST-1200
ST60SL	ST-1300
ST75CR	ST-1400

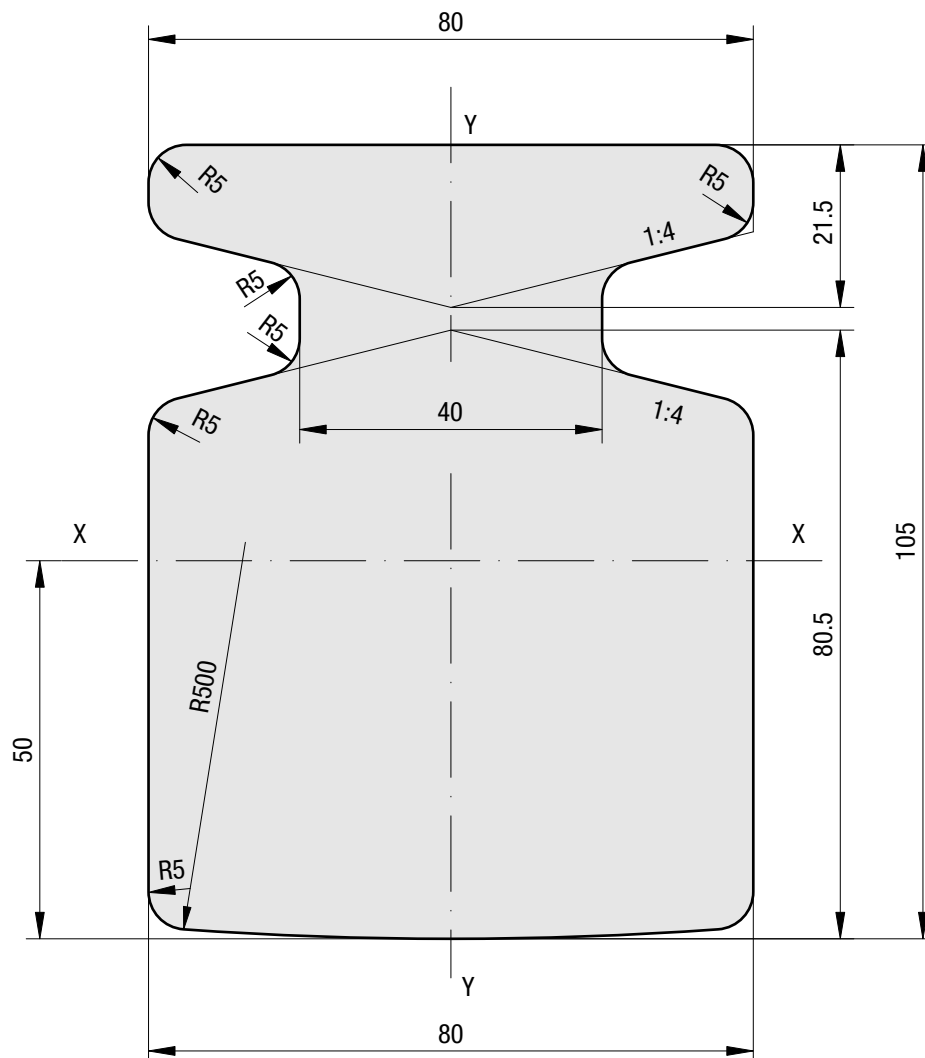


STR40

STROMSCHIENEN, CONDUCTOR RAILS



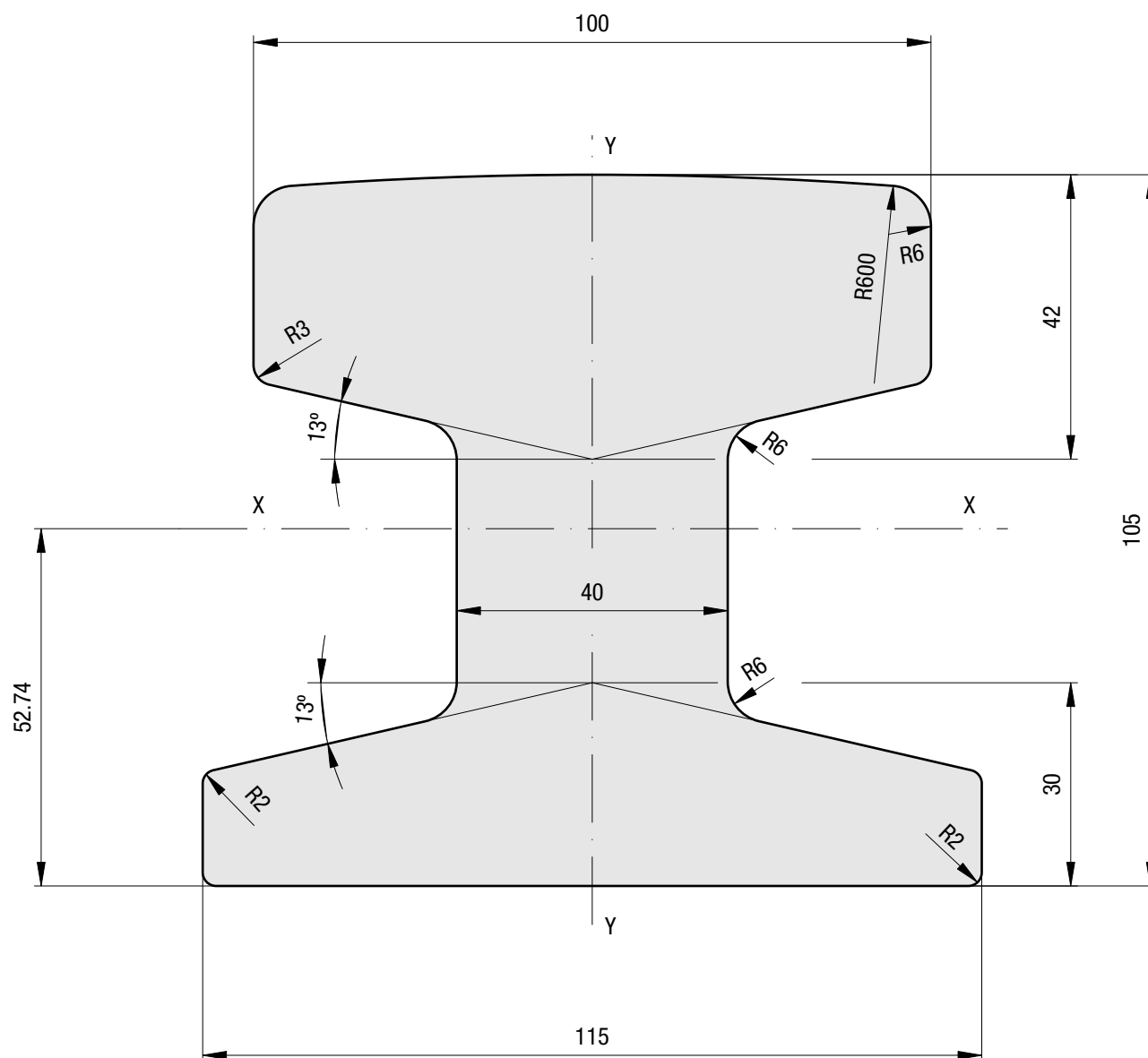
MASSE / MASS		40.37 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		51.30 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	626.7 cm ⁴		
	Y-Y	207.5 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	135.1 cm ³		
	X-X Fuß / Base	106.9 cm ³		
	Y-Y Achse / Axis	51.9 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	ST-1100



MASSE / MASS		59.94 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		76.17 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	685.4 cm ⁴		
	Y-Y	368.4 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	137.1 cm ³		
	X-X Fuß / Base	124.6 cm ³		
	Y-Y Achse / Axis	92.1 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	ST-1200

ST60SL

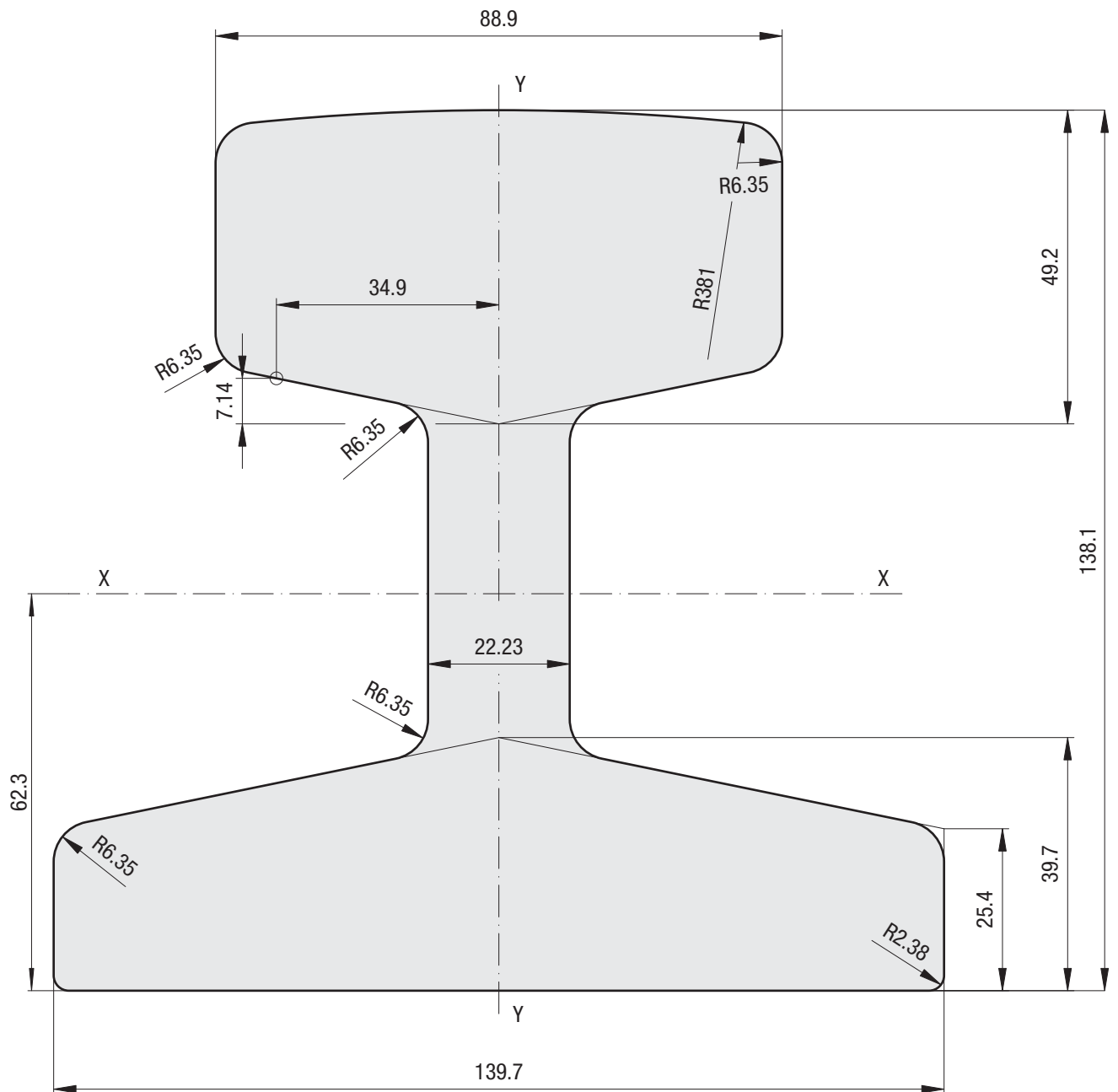
STROMSCHIENEN, CONDUCTOR RAILS



MASSE / MASS		60.95 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		77.45 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	922.7 cm ⁴		
	Y-Y	539.0 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	176.6 cm ³		
	X-X Fuß / Base	174.9 cm ³		
	Y-Y Achse / Axis	93.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	ST-1300

ST75CR

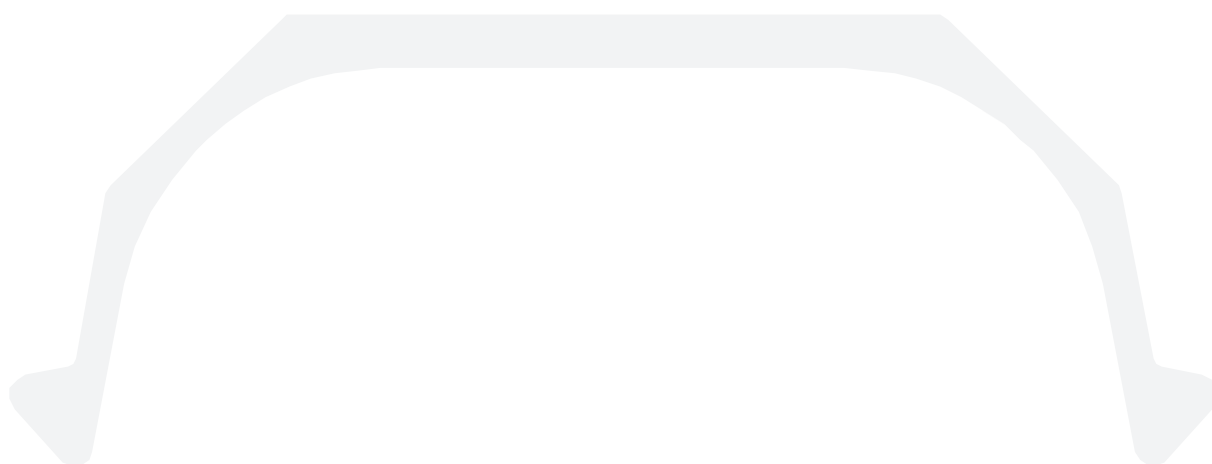
STROMSCHIENEN, CONDUCTOR RAILS

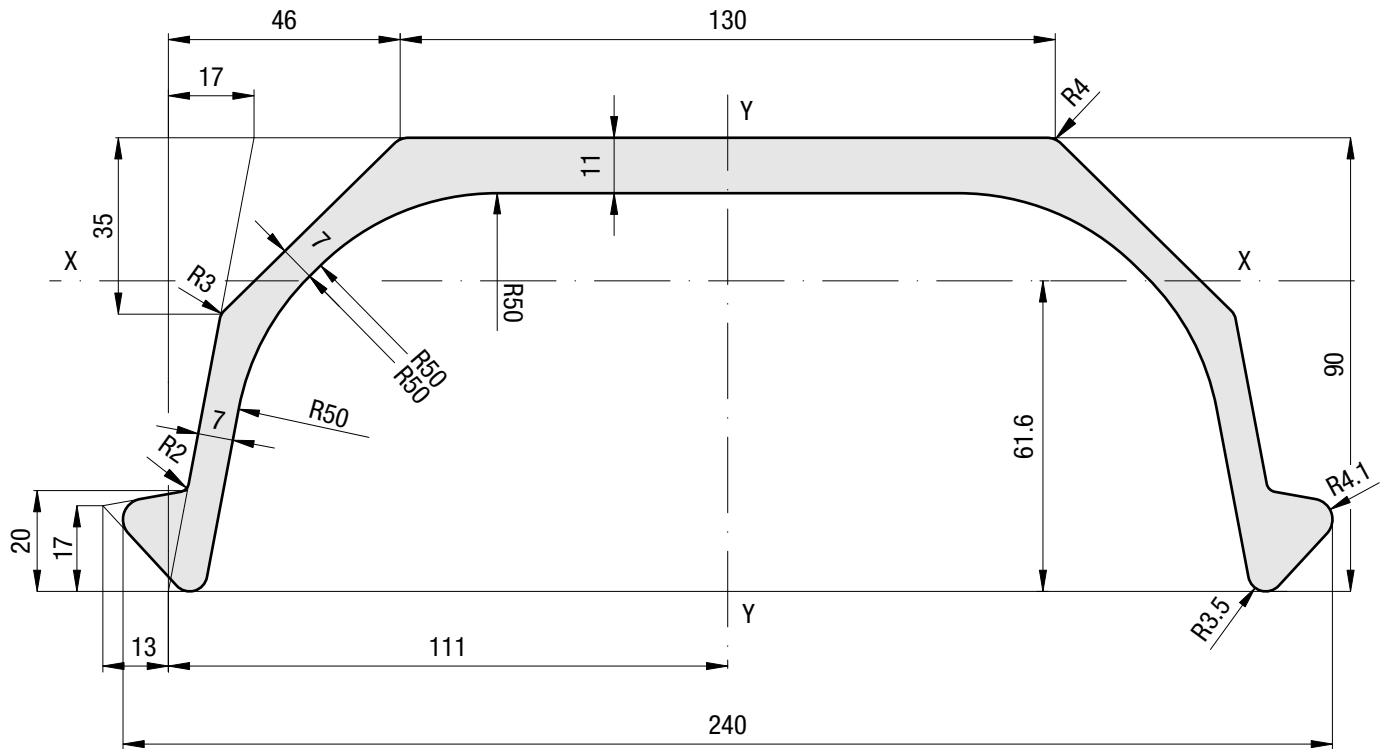


MASSE / MASS		75.11 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		95.68 cm ²	MASSSTAB / SCALE	1:1
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	2168.0 cm ⁴		
	Y-Y	891.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	286.0 cm ³		
	X-X Fuß / Base	348.0 cm ³		
	Y-Y Achse / Axis	127.7 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	ST-1400

STAHLSCHWELLEN / STEEL SLEEPERS

SWSBBI _____ SW-1100



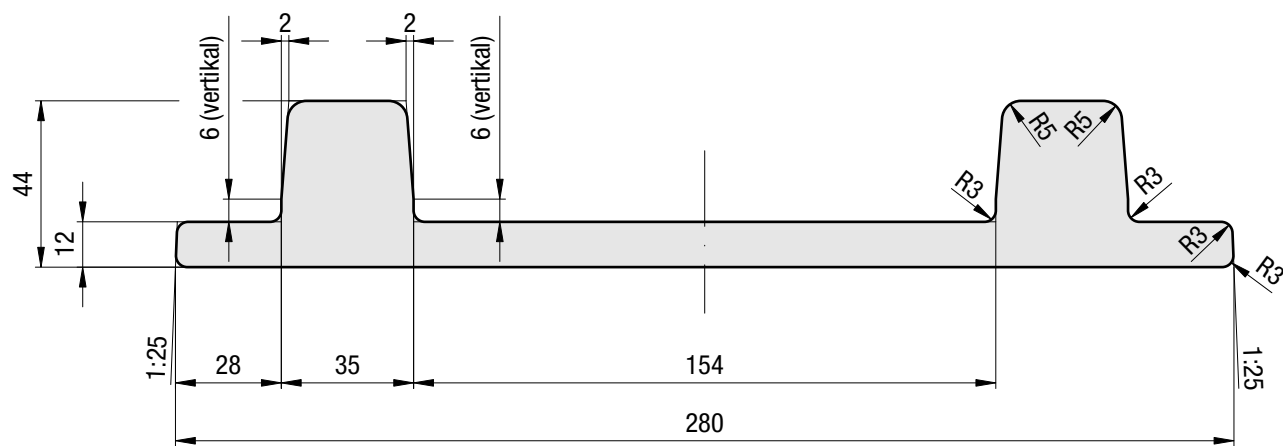


MASSE / MASS		25.4 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA		32.3 cm ²	MASSSTAB / SCALE	1:1.5
TRÄGHEITSMOMENT / MOMENT OF INERTIA	X-X	1831.4 cm ⁴		
	Y-Y	257.7 cm ⁴		
WIDERSTANDSMOMENT / SECTION MODULUS	X-X Kopf / Head	644.9 cm ³		
	X-X Fuß / Base	297.3 cm ³		
	Y-Y Achse / Axis	21.5 cm ³		
			BLATTNUMMER / NUMBER OF SHEET	SW-1100

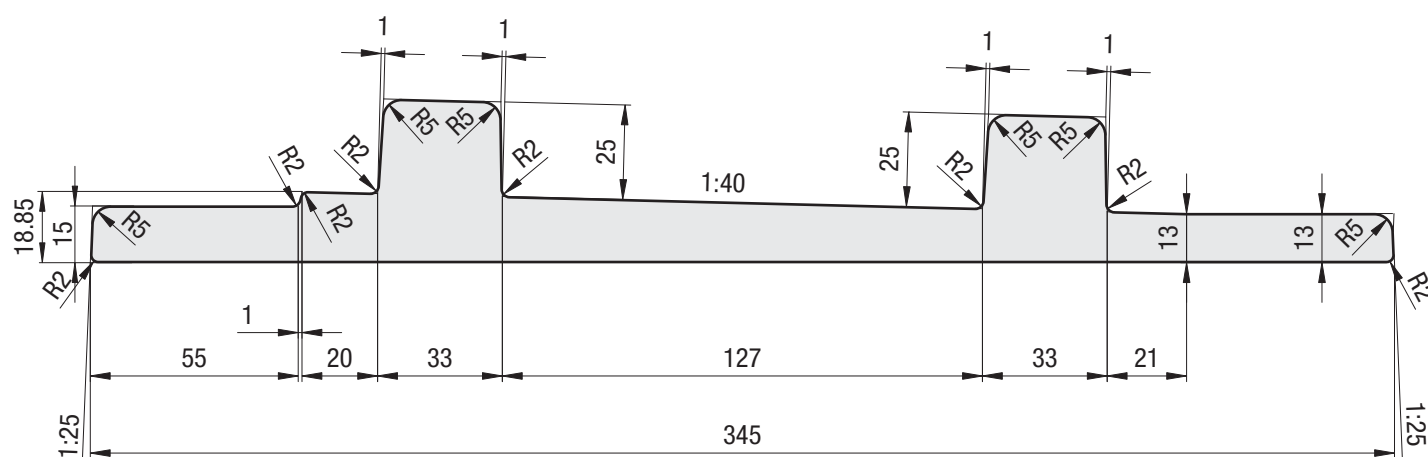
RIPPENPLATTEN / RIBBED BASE PLATES

RpAEK	RP-1100
RpC	RP-1200
Rp16b	RP-1300
RpUIC60-40	RP-1400
RpB	RP-1500
Rp2	RP-1600
RpUIC60-0	RP-1700
RpUIC60-20	RP-1800
RpI1-2	RP-1900
RpUIC60-40X	RP-2000
RpUIC60-0X	RP-2100

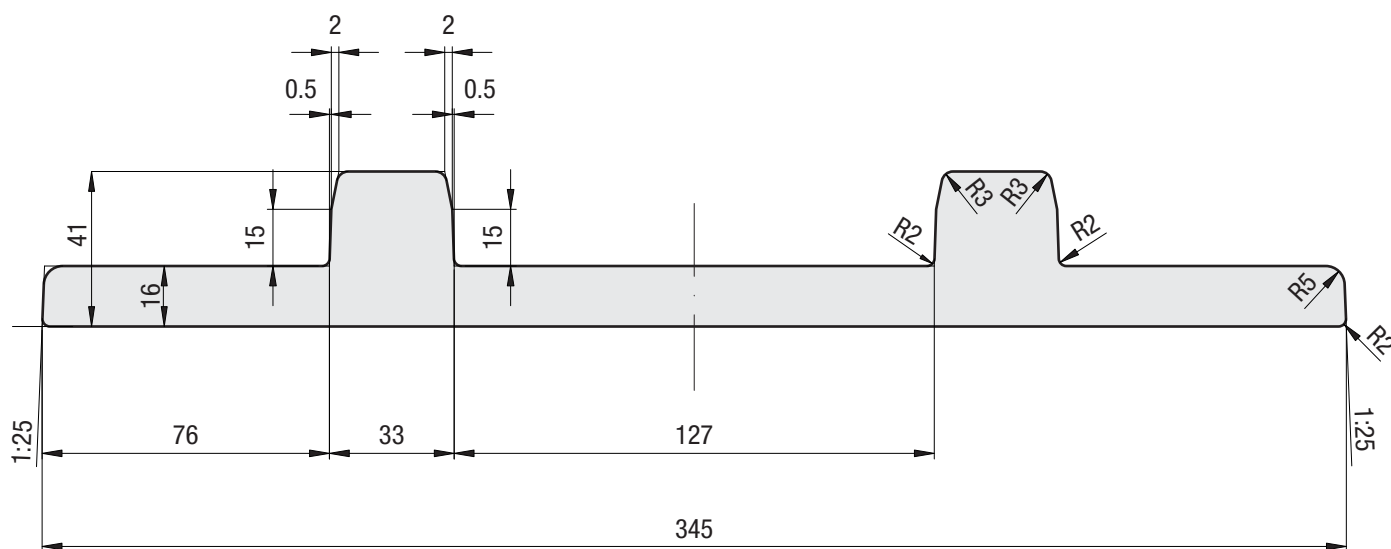




MASSE / MASS	42.96 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	54.72 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1100



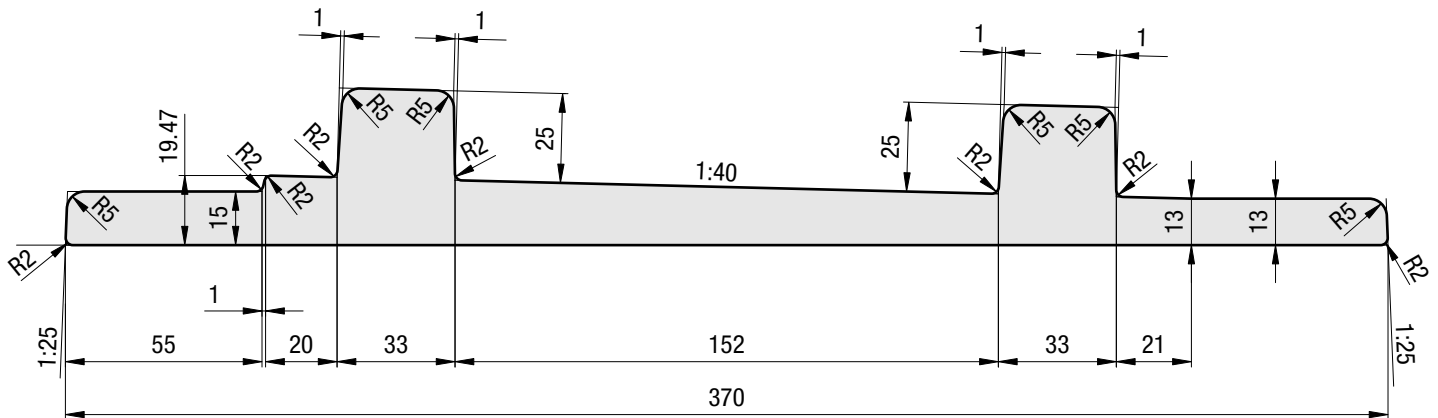
MASSE / MASS	53.76 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	68.48 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1200



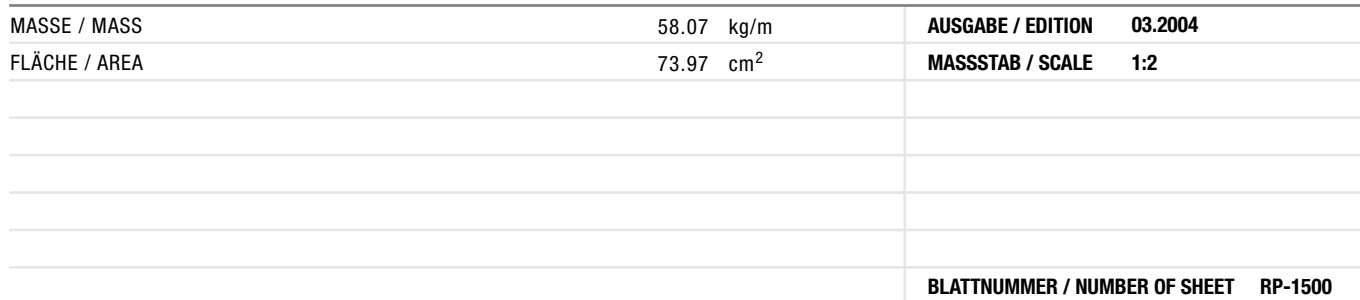
MASSE / MASS	55.52 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	70.72 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1300

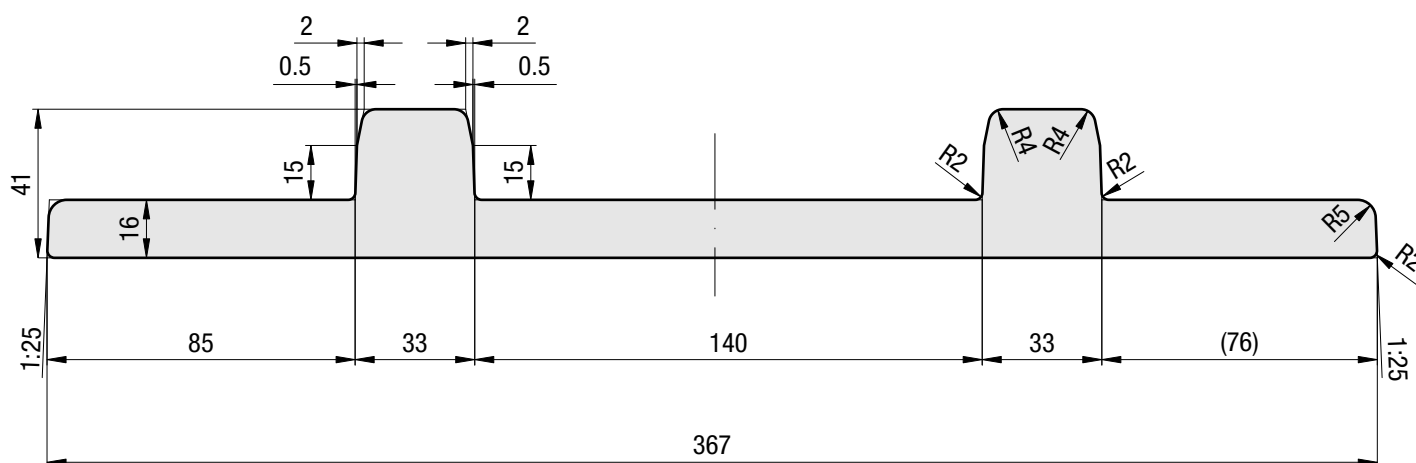
RpUIC60-40

RIPPENPLATTEN, RIBBED BASE PLATES



MASSE / MASS	57.51 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	73.26 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1400

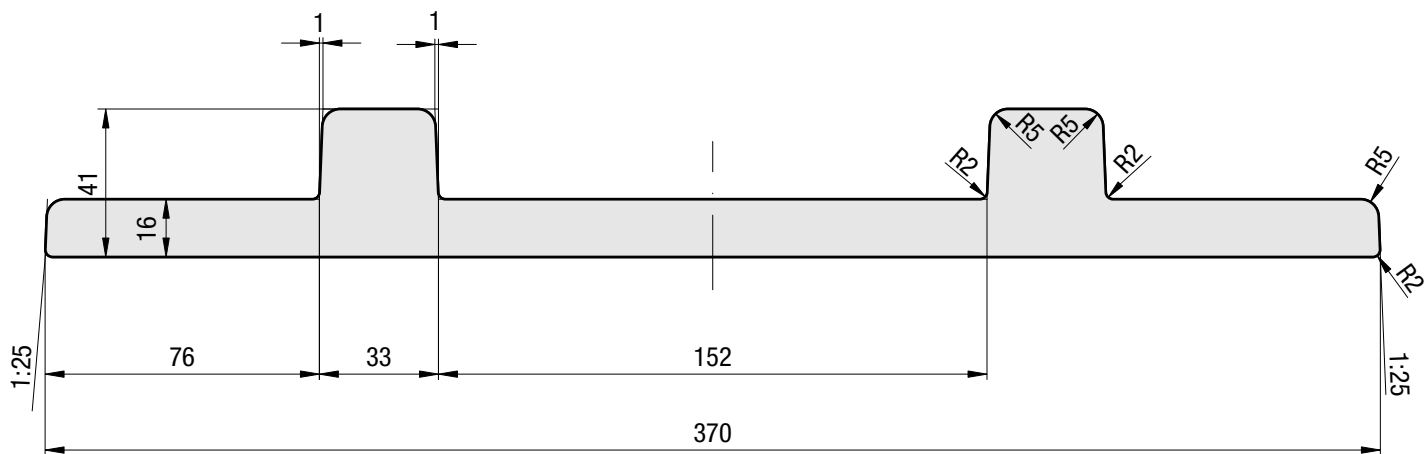




MASSE / MASS	58.25 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	74.20 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1600

RpUIC60-0

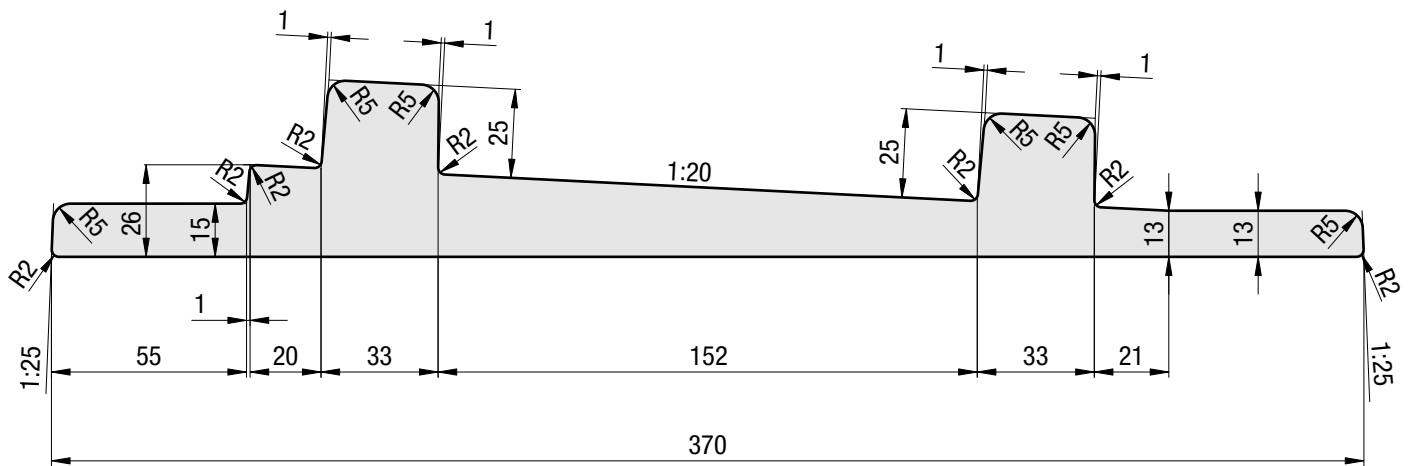
RIPPENPLATTEN, RIBBED BASE PLATES



MASSE / MASS	58.73 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	74.82 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1700

RpUIC60-20

RIPPENPLATTEN, RIBBED BASE PLATES



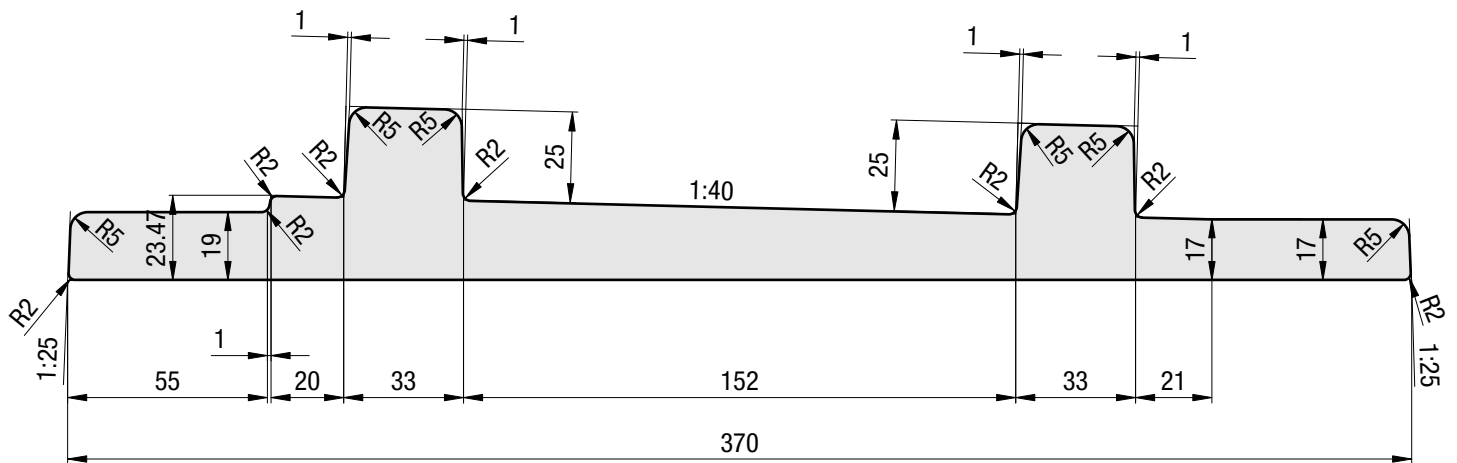
MASSE / MASS	64.20 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	81.60 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-1800

RIPPENPLATTEN, RIBBED BASE PLATES



RpUIC60-40X

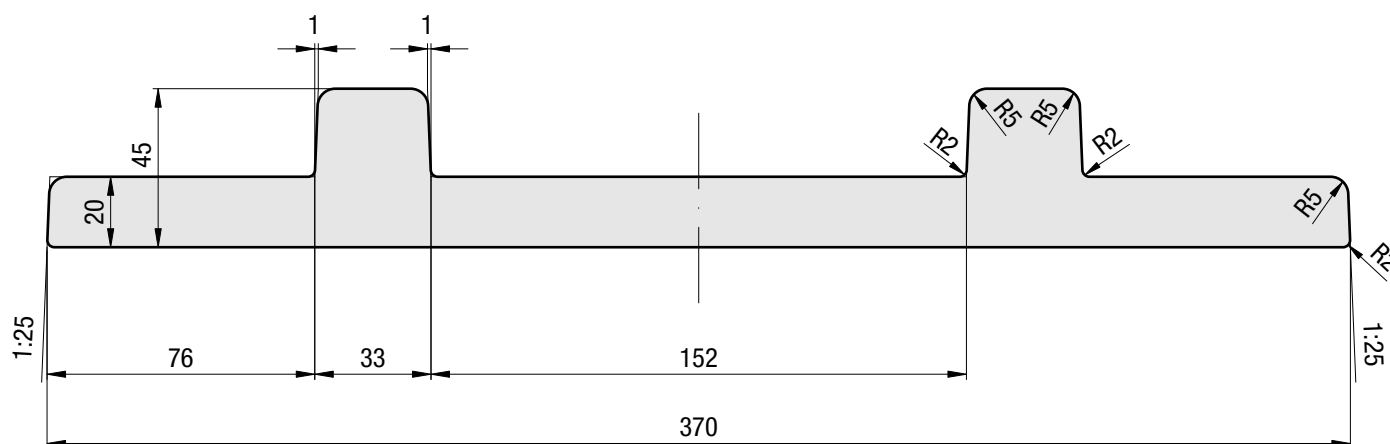
RIPPENPLATTEN, RIBBED BASE PLATES



MASSE / MASS	69.09 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	88.01 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-2000

RpUIC60-0X

RIPPENPLATTEN, RIBBED BASE PLATES



MASSE / MASS	70.30 kg/m	AUSGABE / EDITION	03.2004
FLÄCHE / AREA	89.56 cm ²	MASSSTAB / SCALE	1:2
		BLATTNUMMER / NUMBER OF SHEET	RP-2100