ArcelorMittal Europe Long Products
Rails & Special Sections

ArcelorMittal

Railway Accesories

ArcelorMittal
Our Company

ArcelorMittal with over 199,000 employeesacross 60 countries and industrial locations in 19 countries is the world`s leading steel and mining company.

ArcelorMittal is one of the world's largest rail producers with a capacity of 1 milliontons of annual rail production with true global presence; supplying rails for railways,metro, tramway, light tracks, crossings, crane rails and rail components.

The rolling mills of rails are located in Gijón (Spain), Rodange (Luxembourg), Dabrowa Górnicza and Chorzów (Poland), and Steelton (USA), where we produce environmentally friendly products and services for domestic and foreign market.

ArcelorMittal has implemented a quality assurance system that meets the requirementsof international standards ISO 9001, 1 4001 , 1 8001 . ArcelorMittal is member of IQNetinternational network of agencies for the quality systems evaluation and certification.

ArcelorMittal was awarded the Gold Recognition Level of EcoVadis sustainability rating, which places the Company as a reference supplier within the railway sector.

Contents

"We produce and sell environment friendly products and services for domestic and foreign market, and we guarantee full satisfaction for our customers".

The respect for the offered products in the world.

The high quality of manufactured goods as well as possesing of the certificates and approvals for foreign markets have directly affected the increase of export of our products in the recent years.

Our products are well known in the whole world. Our customers come from such countries like: Canada, Germany Switzerland, Austria, Belgium, Spain, Italy, Turkey, Malaysia, China, Thailand, Russia, Czech Republic, Yugoslavia, Romania, Hungary.

The Quality policy of ArcelorMittal Rail means the structural and technical activities ensuring the supply of the high quality products to our customers, adapted to their individual requirements, now and in the future. The policy of quality assurance system is directed to the production of goods and rendering of services to meet changing requirements of customers according to their expectations. The customer´s satisfaction on the domestic and foreign market is our and the condition of permanent success of steelworks as a recognised and reliable producer. ArcelorMittal is homologated in the main Railway Administrations, and does not stop working on enlarging the list all around the world. Homologated by DB (GERMANY), ADIF (SPAIN), FINNISH RAIL (FINLAND), REFER (PORTUGAL), SNCF (FRANCE), SNCB (BELGIUM), OBB (AUSTRIA), SBB (SWITZERLAND), MRS (BRAZIL), ADIF (ARGENTINA), TCDD (TURKEY), PKP (POLAND), CFR (ROMANIA), NETWORK RAIL (UK) and many more.

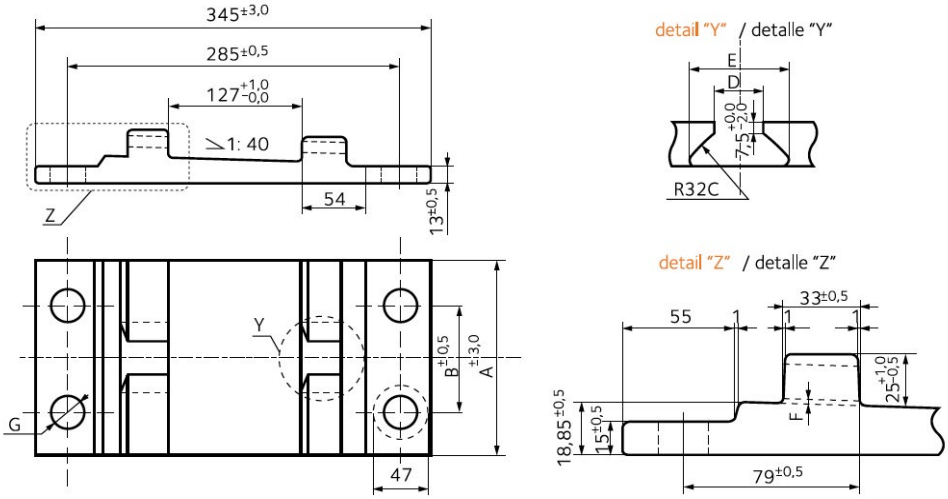
The quality policy

The manufacturing of the high quality products was for ArcelorMittal always the superior objective. Therefore the strong emphasis is laid on the fact, that the produced goods should fulfill the customers' requirements placed in their orders. We rove the technology, we widen the range of control, in order to get the final product of the highest quality.

Introducing of Quality Assurance System according to ISO 9001 standard is another step improving the organisation for increasing the quality of our products.

Ribbed baseplates

From section KRph1



TYPE OF BASEPLATE	DIMENSIONS mm							THEORETICAL WEIGHT (Kg)		
	A	B	C	D	E	F	G	With 4 holes	With 2 holes	With no holes
Rph1-110-2	110	-	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø26±0,8	-	5,28	-
RpIV-110*	110	-	+0,5 -0,0	27±0,5	56,5±1,0	0,5+1,0 -0,0	-	-	-	5,435
Rph1-140/4/25	140	80	+1,0 -0,5	28±1,0	56,5+1,5 -0,5	0+1,0 -0,0	Ø25±0,2	6,79	-	-
Rph1-150	150	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø26±0,8	7,328	7,445	-
RpIV-150	150	90	+0,5 -0,0	27±0,5	56,5±1,0	0,5+1,0 -0,0	Ø24+1,0 -0,0	7,35	-	-
RpIV	160	90	+0,5 -0,0	27±0,5	56,5±1,0	0,5+1,0 -0,0	Ø24+1,0 -0,0	7,86	-	-
Rph1-160	160	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø26±0,8	7,857	7,97	-
Rph1-160/2d/36	160	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø36+1,0 -0,0	-	7,88	-
Rph1-160/79/2/33	160	-	+1 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø33+0,8 -0,2	-	7,89	-
Rph1-170/285x90/4/24	170	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø24+1,0 -0,0	8,44	-	-
Rph1-180/26	180	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø26±0,8	8,95	-	-
Rph1-210/26	210	90	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø26±0,8	10,549	10,67	-
Rph1-210/285x150	210	150	+1,0 -0,5	28±1,0	56,5+3,0 -0,5	0+1,0 -0,0	Ø36+1,0 -0,0 Ø37+1,0 -0,0	10,35 10,31	10,56 10,55	-

*Undrilled, milled

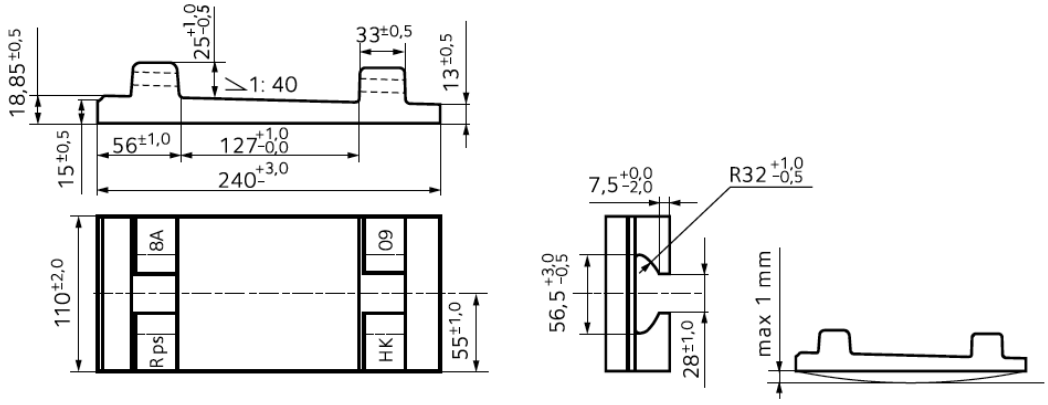
Besides we produce

From section KRph1

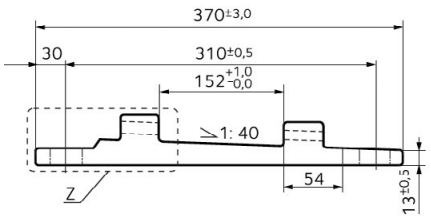
Rph1/HR-160, Pzb17

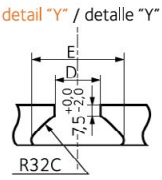
RpIA-150, Rpla-160, Sph1a

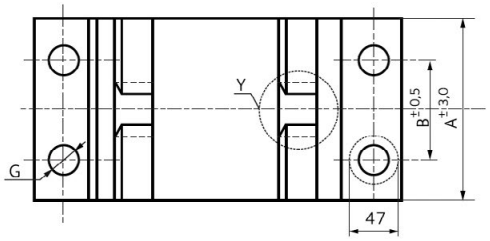
Rps8A from section KRph1

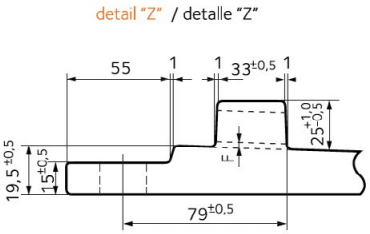


From section KRph6









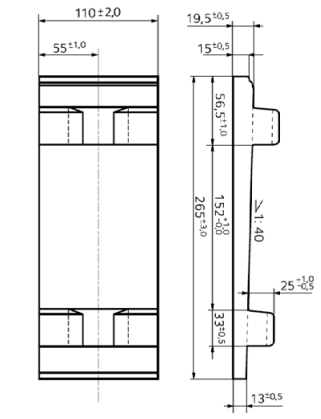
TYPE OF BASEPLATE	DIMENSIONS mm							THEORETICAL WEIGHT (Kg)	
	A	B	C	D	E	F	G	With 4 holes	With 2 holes
Rph6-150	150	90	+1,0 -0,5	28± 1,0	56,5 +3,0 -0,5	0 +1,0 -0,0	Ø26±0,8	7,88	-
Rph6-160	160	90	+1,0 -0,5	28± 1,0	56,5 +3,0 -0,5	0 +1,0 -0,0	Ø26±0,8	8,44	8,56
RpVI	160	90	+0,5 -0,0	27± 0,5	56,5 +1,0	0,5 +1,0 -0,0	Ø24 +1,0 -0,0	8,48	-
Rph6-180/26	180	90	+1,0 -0,5	28± 1,0	56,5 +3,0 -0,5	0 +1,0 -0,0	Ø26±0,8	9,59	9,71
Rph6-210/26	210	90	+1,0 -0,5	28± 1,0	56,5 +3,0 -0,5	0 +1,0 -0,0	Ø26±0,8	11,316	11,433
Pm60	160	90	±0,5	28± 1,0 -0,5	56,5 +1,5 -1,0	0 +1,0 -0,0	Ø26±0,5	8,44	-

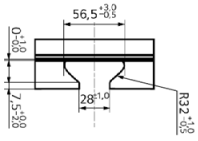
Besides we produce

From section KRph6

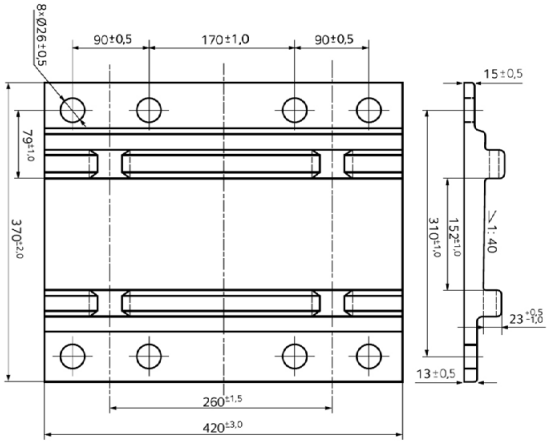
Rph6/HR-160
Rpb25
Rph6-150/4/32
Rph6-150/2/32
Rph6-190/4/26

Rph6/Rus-110x265 from section KRph6



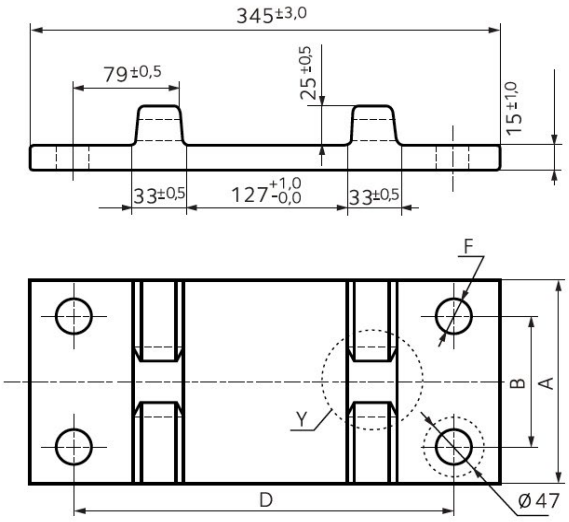


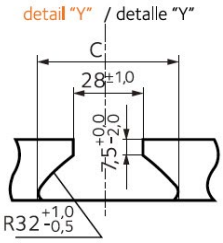
Pz60A from section KRph6



Ribbed baseplates

From section KRp01/01





TYPE OF BASEPLATE	DIMENSIONS mm					THEORETICAL WEIGHT (Kg)
	A	B	C	D	F	
Rp01/01-160	160±2,0	90+0,5 -1,0	56,5+3,0 -0,5	285±1,0	Ø26±0,8	7,7
Rpb1-160	160±2,0	90+0,5 -1,0	56,5+3,5 -0,5	285±1,0	Ø26±0,8	7,7
Rp01/01-150	150±2,0	94+0,5 -1,0	56,5+3,0 -0,5	285±1,0	Ø26±0,8	7,2
Rp01/01-110	110±2,0	-	56,5+3,0 -0,5	285±1,0	Ø26±0,8	5,19
Rpb1-110	110±3,0	-	56,5+3,0 -0,5	285±1,0	Ø26±0,8	5,19
Rp01/02-160	160±2,0	94+0,5 -1,0	56,5+3,0 -0,5	-	Ø26±0,8	7,83
Rp01/01-210/285x150/4/36	210±2,0	150±0,5	56,5+3,0 -0,5	285±1,0	Ø36+1,0 -0,0	10,12
Rp01/01-140/4/25	140±3,0	80±0,5	56,5+1,5 -0,5	285±0,5	Ø25±0,2	6,67
Rp16g*	160±2,0	-	56,5+3,0 -0,5	-	-	7,357
Rp01/03-160	160±2,0	-	56,5+1,5 -0,5	-	-	7,96
Rp01/09**	160±2,0	94±0,5	56,5+1,5 -0,5	285±1,0	Ø26±0,8	7,7
BL3A	112±3,0	-	56,5+1,5 -1,0	285±1,0	Ø26±1,0	5,33

*Undrilled, milled

**Milling axle dislocated at 25mm

Besides we produce

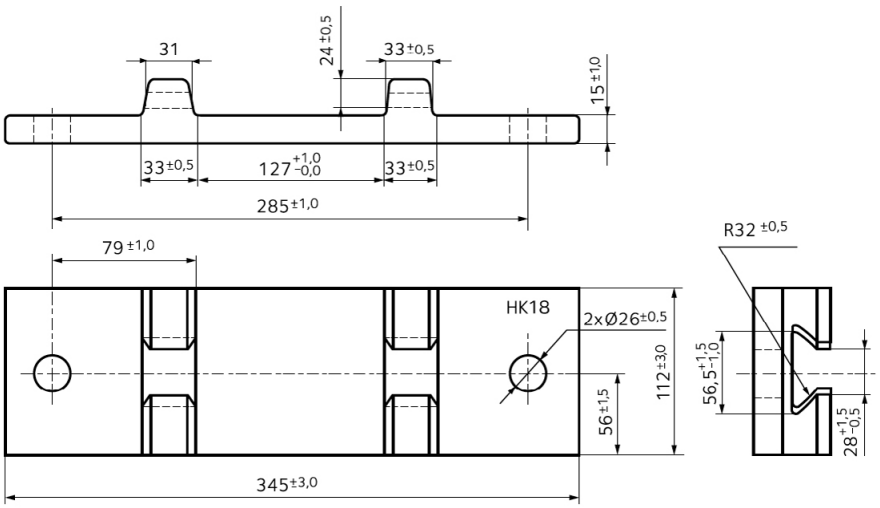
From section KRp01/01

Rpb1/SBB-160

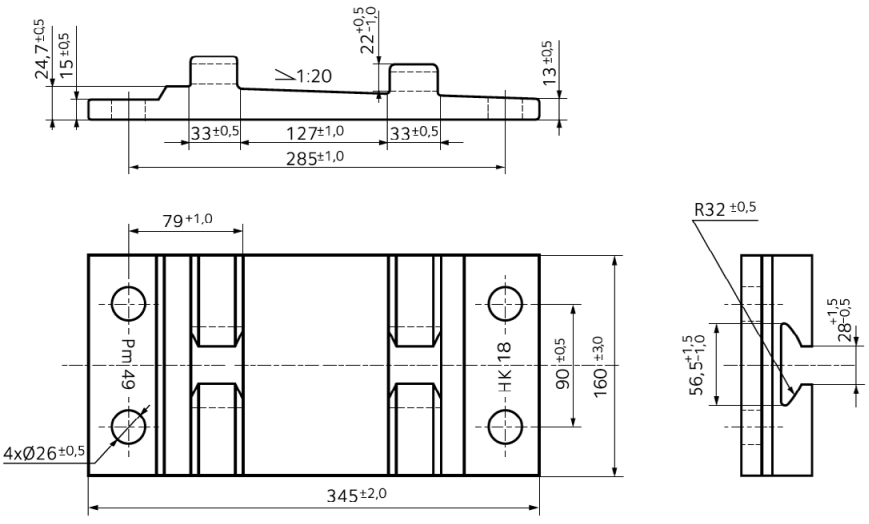
SRp1A

SRp2 (15 +1,0 -0,0)

BL3A from section KRp01/01

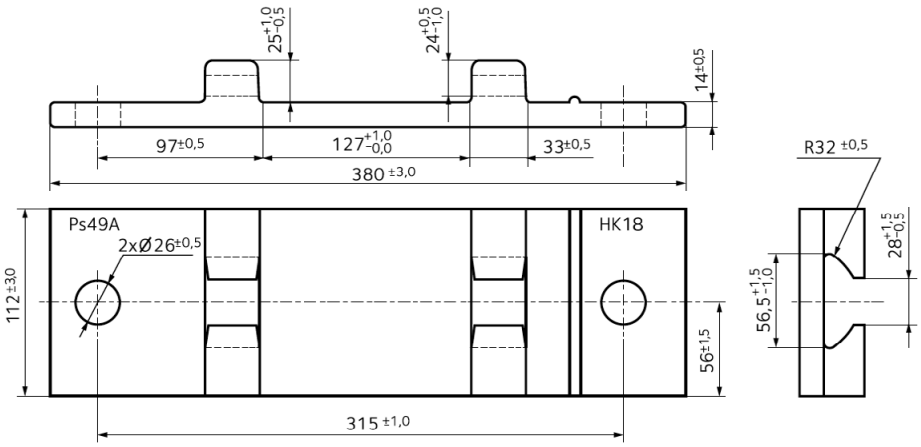


Pm49 from section KPZ5

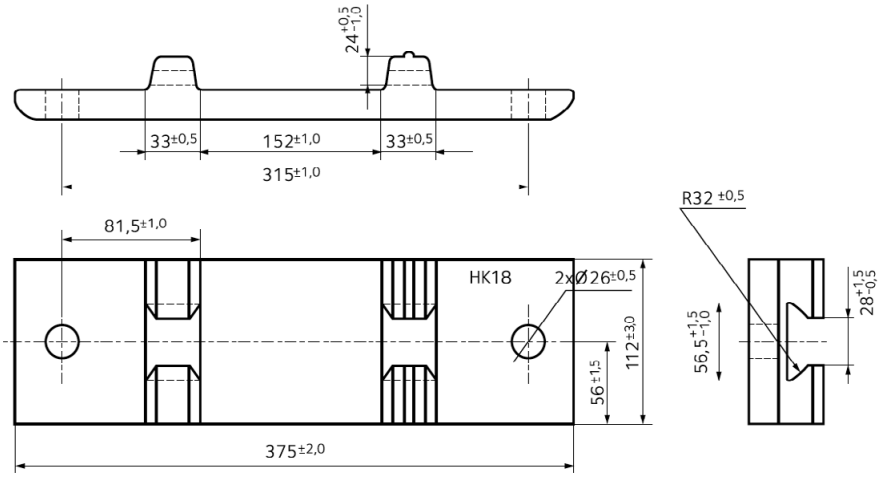


Ribbed baseplates

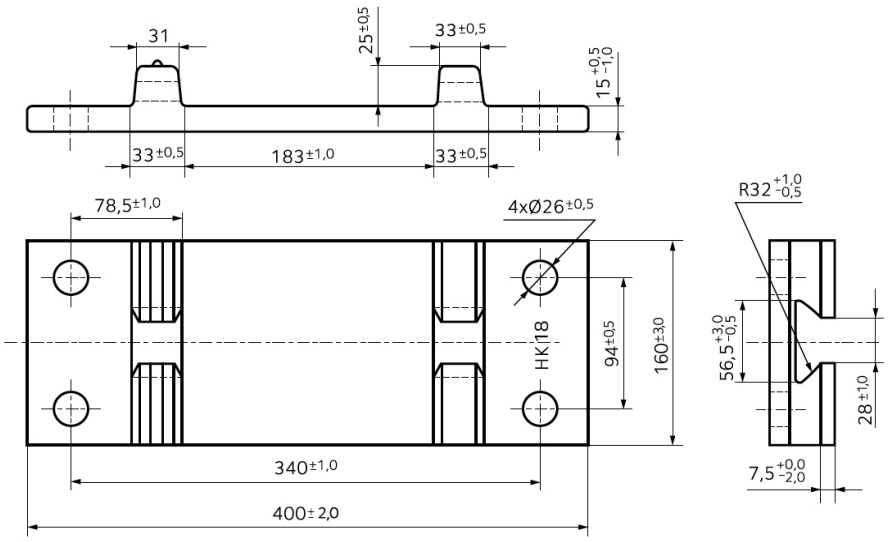
Ps49A from section KRpo21



Ps60-112 from section KPZ3



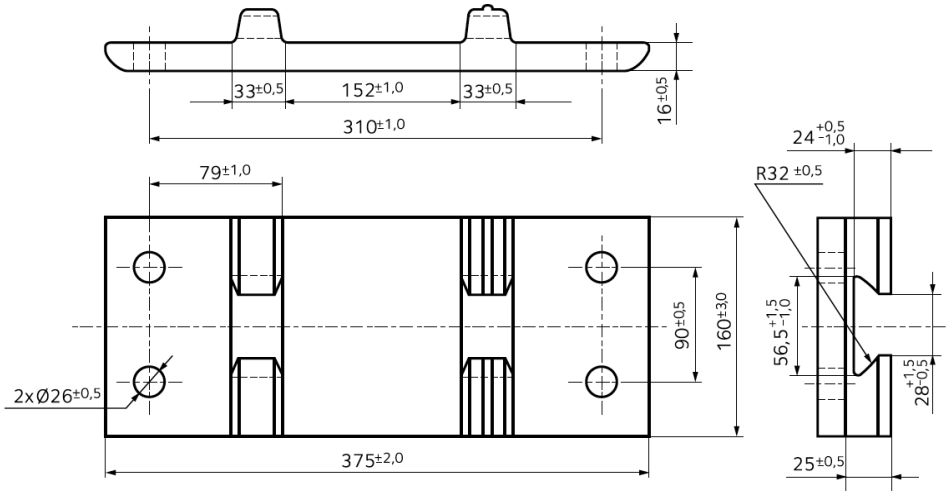
PT180-160 from section KPT180



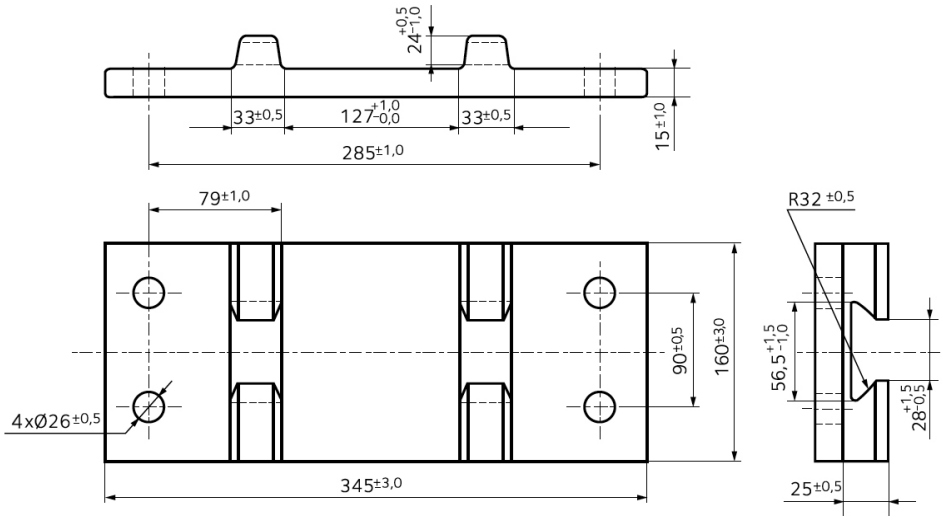
Besides we produce	
PT180-110/2/26, PT180-110/2/28	PT180-140/2/34, PT180-140/6/26
PT180-110/2/36, PT180-110/2/37	PT180-140/4/26, PT180-150/4/24
PT180-115, PT180-130, PT180-140/2/26	PT180-150/4/26, PT180-160/2/26

Ribbed baseplates

Pża16 from section KPZ3

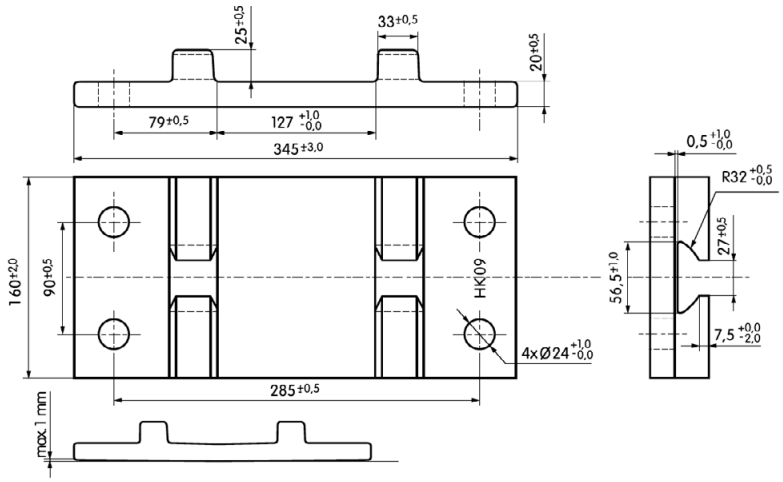


Pżb16A from section KRp01/01

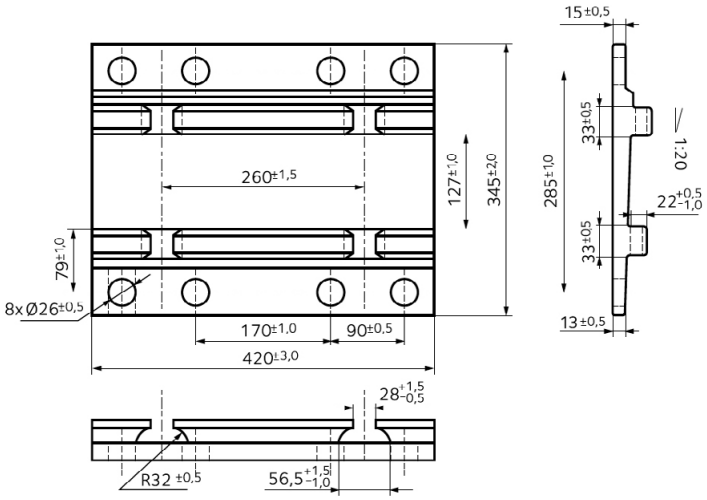


Besides we produce	
From section KPZ3	From section KPZ3 thickness 20 mm
Pża18A	Pża16-20
Ps60-160/HR	Ps60-20/112/2/26
Ps60-150/4/25	Ps60-20/160/4/24
Ps60-180/4/25	Ps60-20/160/2/28
Ps60-210/4/26	Ps60-20/160/4/26
	Ps60-20/180
From section KPZ5	From section KRpo21
Pm49-140/HR	Rpo21a, Rpo21f, Rpo21b
Rpl-150, Rpl-110 n/o-,fr	
Rpo5e	
RplVx	

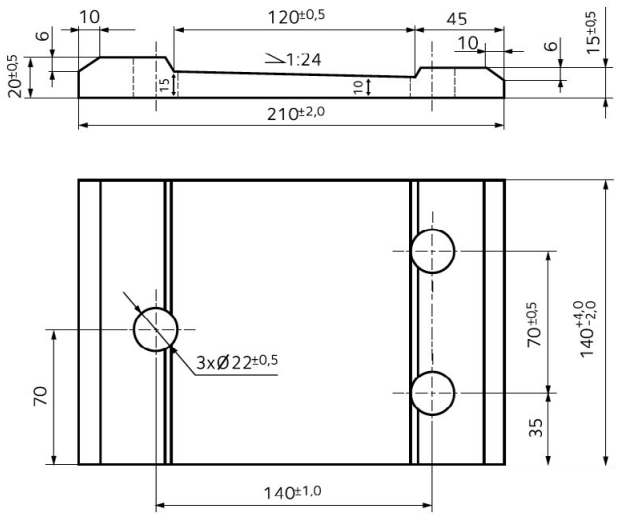
Rpl-20/4 from section KRp01/01B



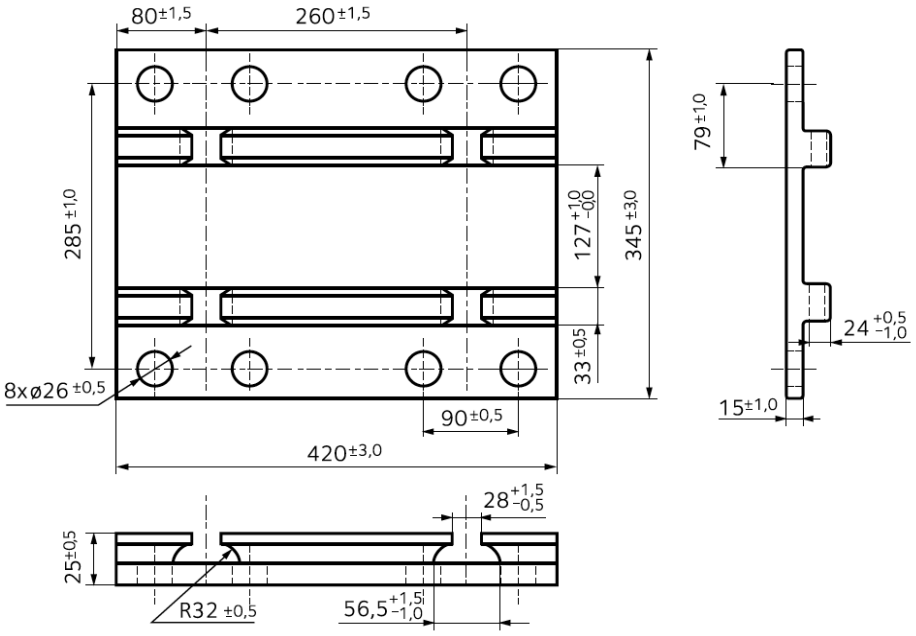
Pż49A from section KPZ5



P39 from section KP39

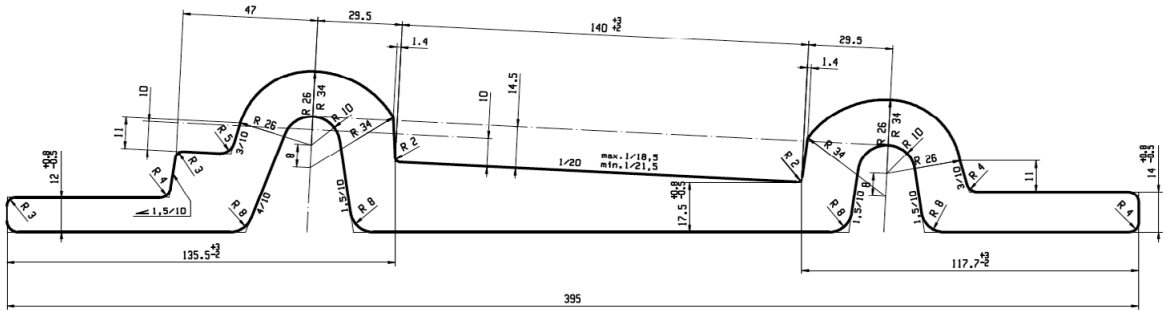


Pzb18B from section KRp01/01



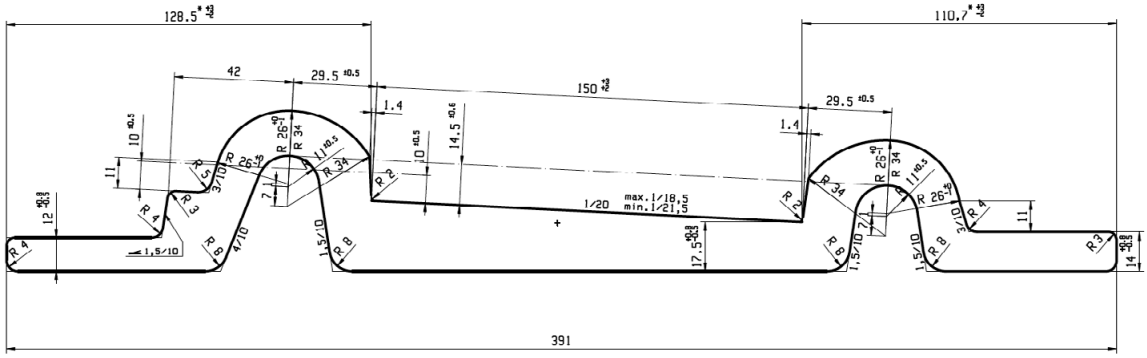
Type Pandrol

Pandrol 140



Pandrol 140 dimension B 395 mm.

Tilted Pandrol fastening 1/20
For flange rails of 140 mm.



Pandrol150 dimension B 391mm.

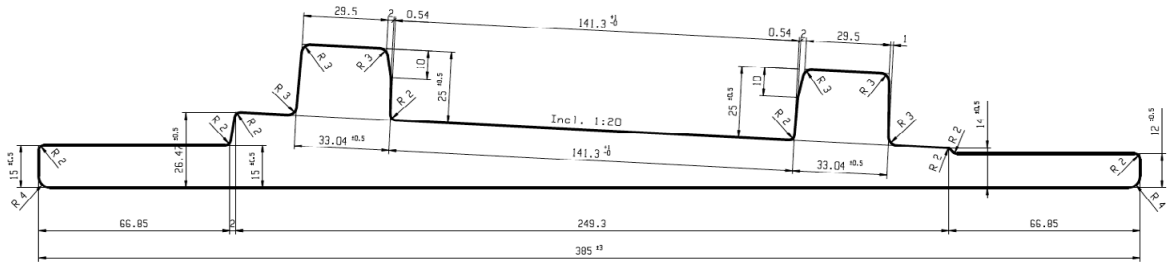
Tilted Pandrol fastening 1/20
For flange rails of 150 mm.

* To guarantee the functionality of the product at the joint moment, a tolerance of +6 -2.

Tie plates

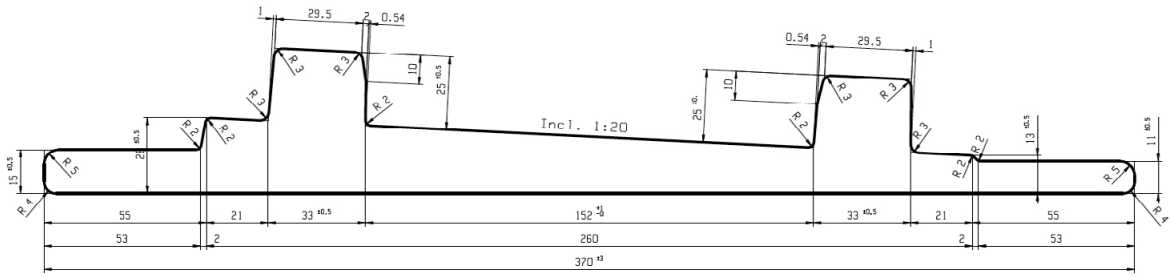
Inclined

Pl 140-1/20



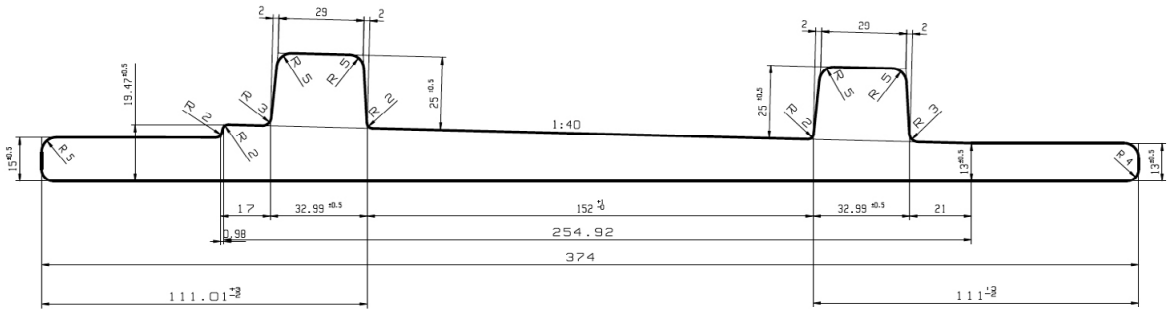
Flat inclined "GEO" 1/20 - 66,71 kg/m.
for rails of 50 kg Belgium state
Flange rails of 140 mm.

Pl 150-1/20



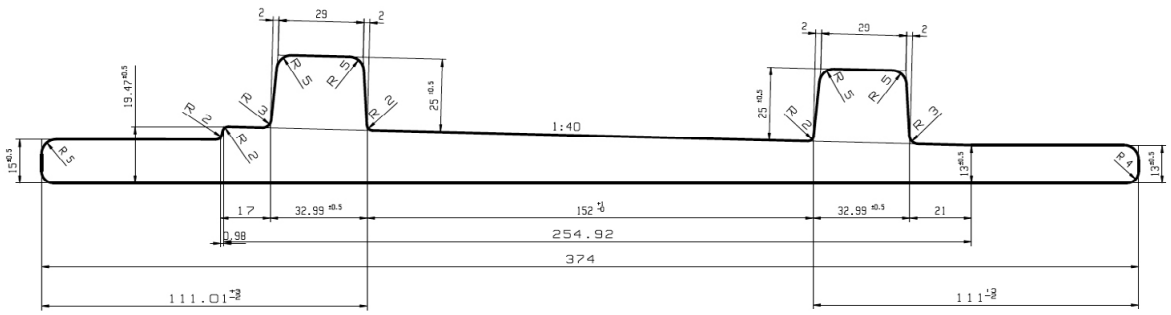
Flat inclined "GEO" 1/20 - 57.5 kg/m.
Flange rails of 150 mm.

Pl 150-1/40A



Flat inclined "GEO" 1/40 - 57.5 kg/m.
Flange rails of 150 mm.

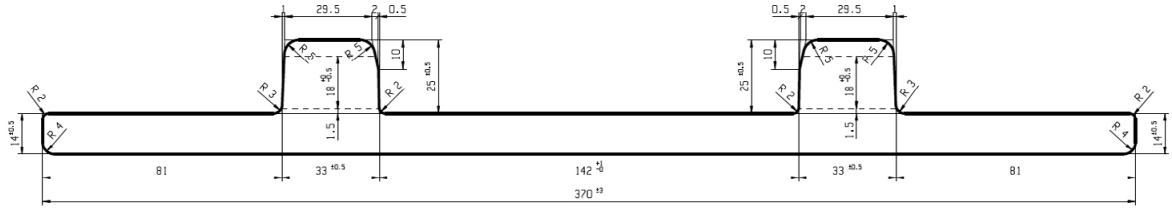
Pl 150-1/40B



Flat inclined "GEO" 1/40 - 69,2 kg/m.
Flange rails of 150 mm.

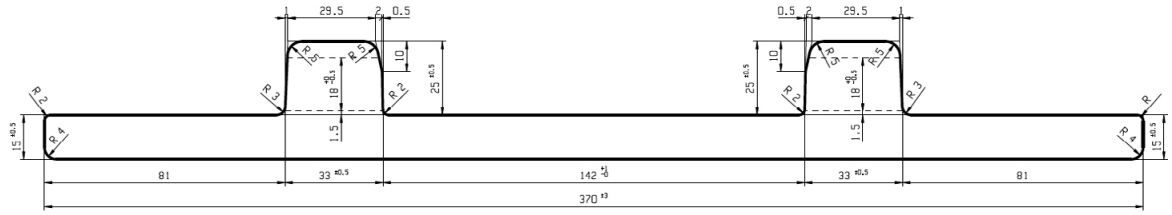
Standard

PP 140-t14



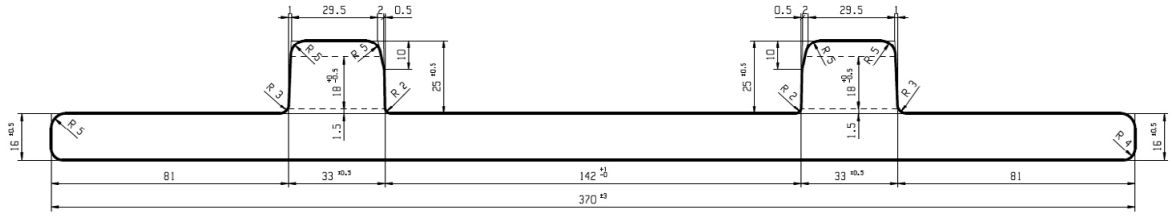
Flat plate "GEO" - 53 kg/m.
Flange rails of 140 mm.

PP 140-t15



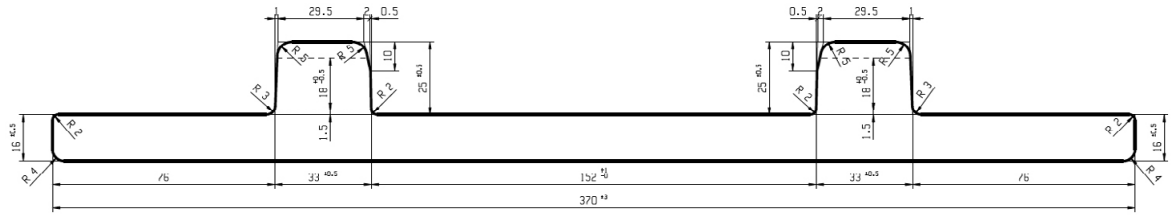
Flat plate "GEO" - 55,84 kg/m. for the S.T.I.B.*
Flange rails of 140 mm.

PP 140-t16



Flat plate "GEO" - 59,0 kg/m.
Flange rails of 140 mm.

PP 140-t20



Flat plate "GEO" - 70,294 kg/m.
For rails of 50 kg Belgium state.
Flange rails of 140 mm.

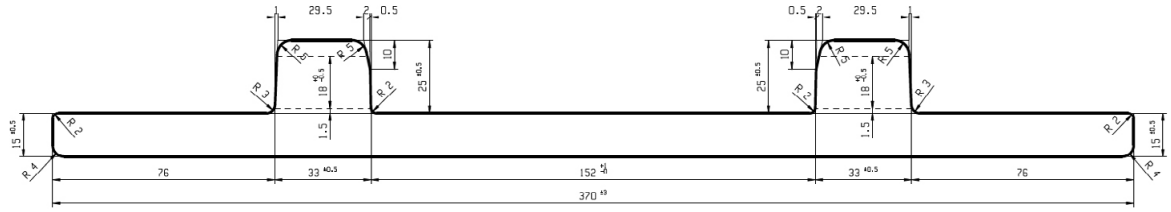
- Steel grade as per the request of the customer.
- All variations upon request and subject to final acceptance of the mill.
- Delivery of all tie-plate profiles in length up to 24m possible.
For length › 24m pls contact the technical department.
- All tie-plate profiles can be delivered as finished product ready for use (cut, drilled) based on the specifications of the customer.

* S.T.I.B. Société des Transports Intercommunaux de Bruxelles.

Tie plates

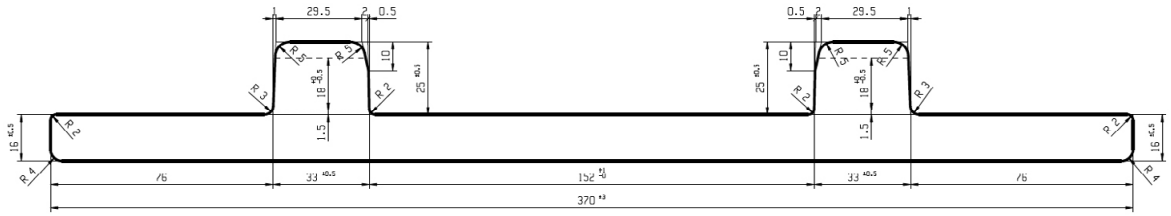
Standard

PP 150-t15



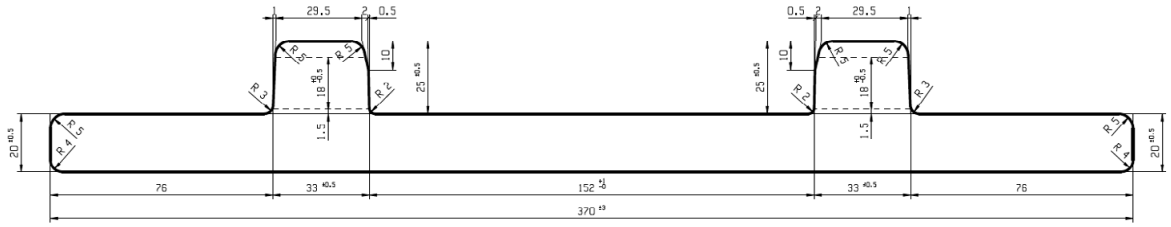
Flat plate "GEO" - 55,84 kg/m. modelo S.I.T.B.*
Flange rails of 150 mm.

PP 150-t16



Flat plate "GEO" - 59 kg/m. modelo U.I.C.
Flange rails of 150 mm.

PP 150-t20

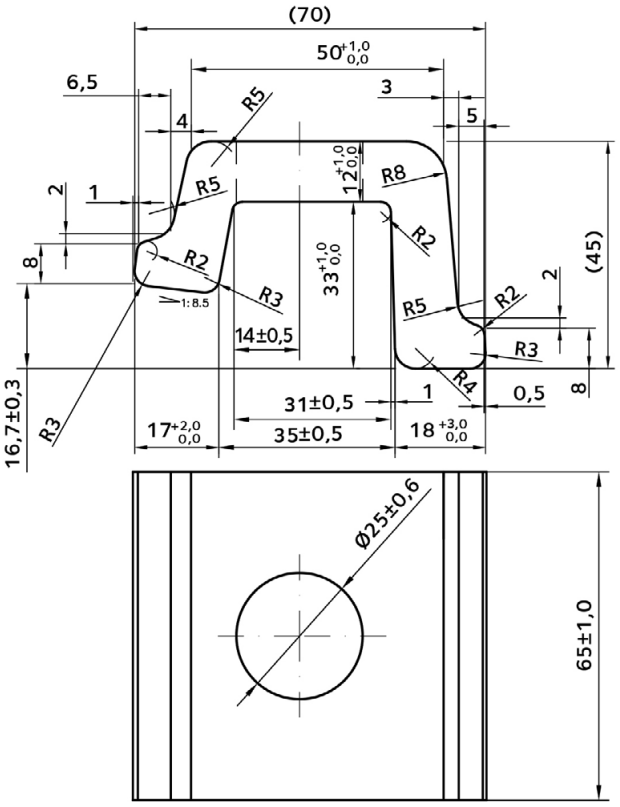


Flat plate "GEO" - 70,294 kg/m.
Flange rails of 150 mm.

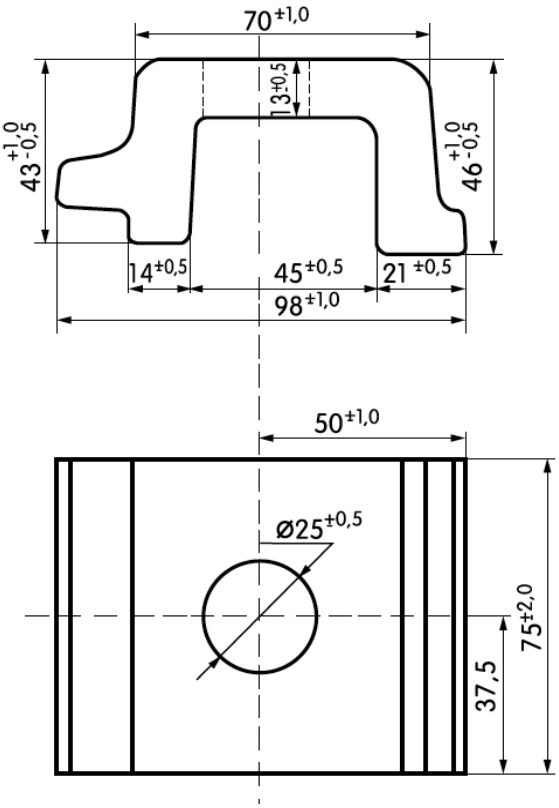
- Steel grade as per the request of the customer.
- All variations upon request and subject to final acceptance of the mill.
- Delivery of all tie-plate profiles in length up to 24m possible.
For length › 24m pls contact the technical department.
- All tie-plate profiles can be delivered as finished product ready for use (cut, drilled) based on the specifications of the customer.

* S.T.I.B. Société des Transports Intercommunaux de Bruxelles.

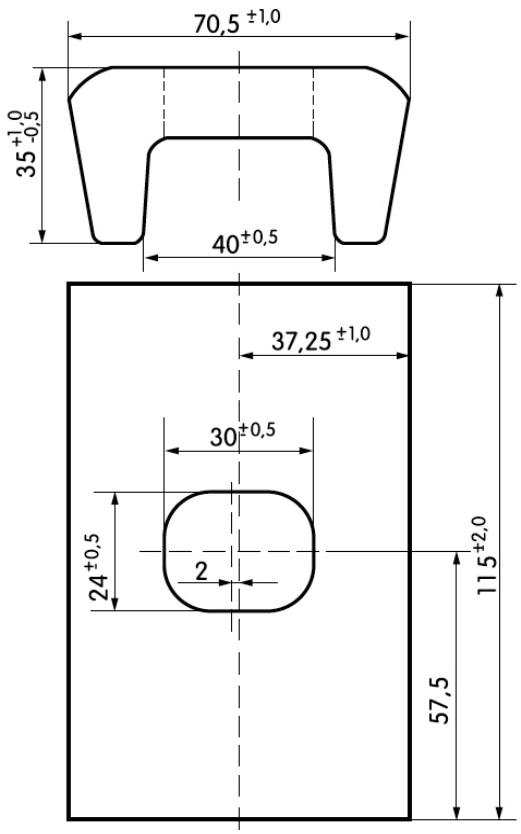
Ł p2



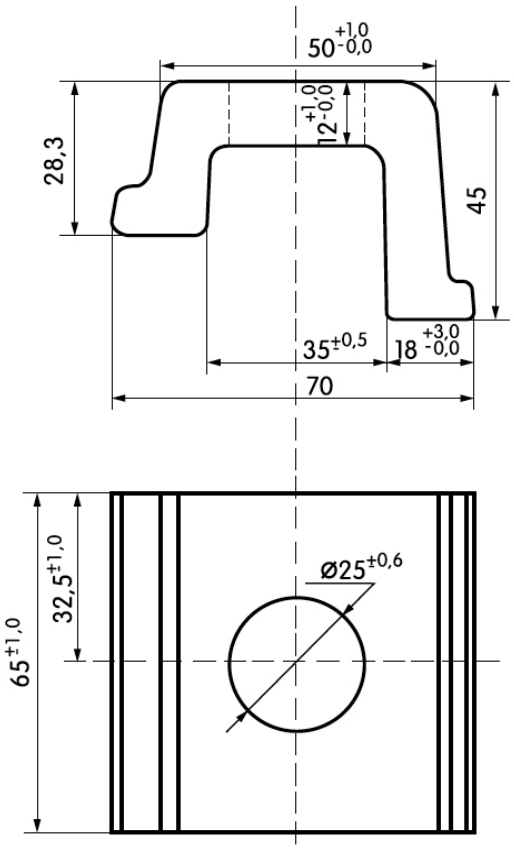
Ł p3



Ł p5

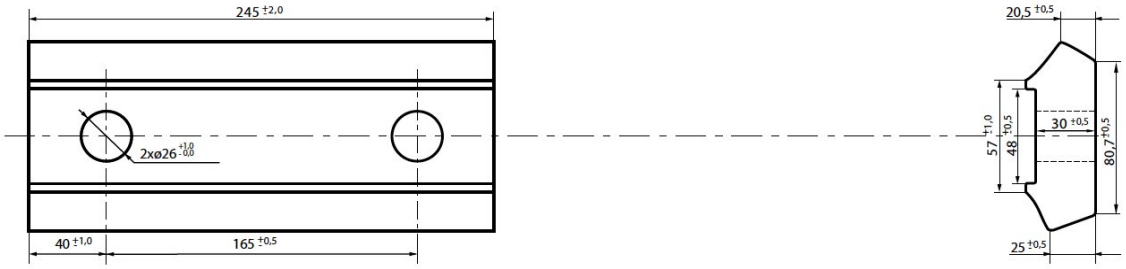


Кроб

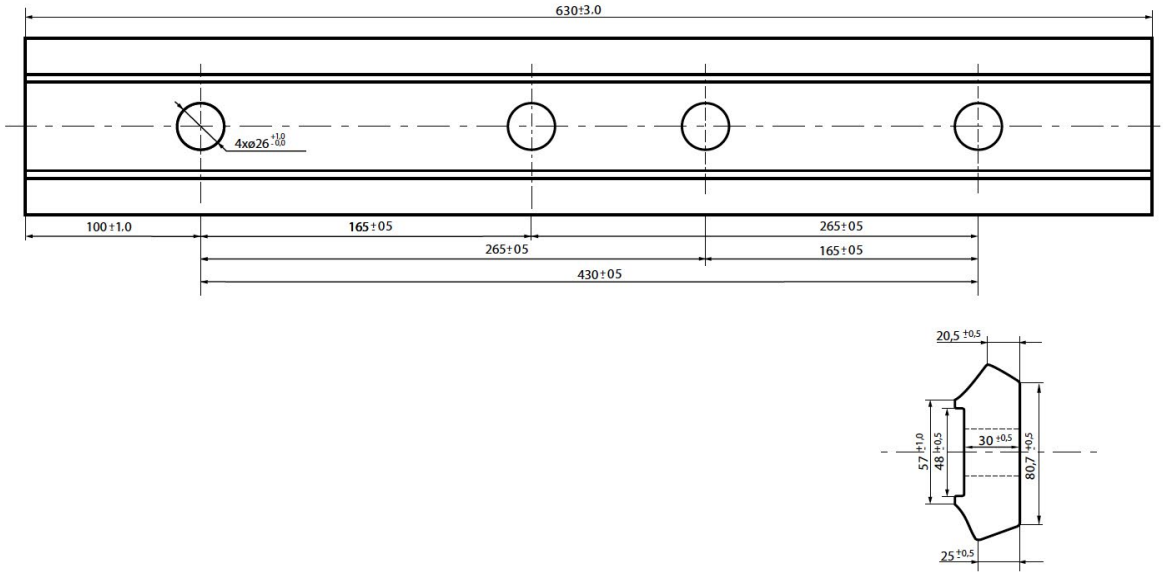


Fishplates

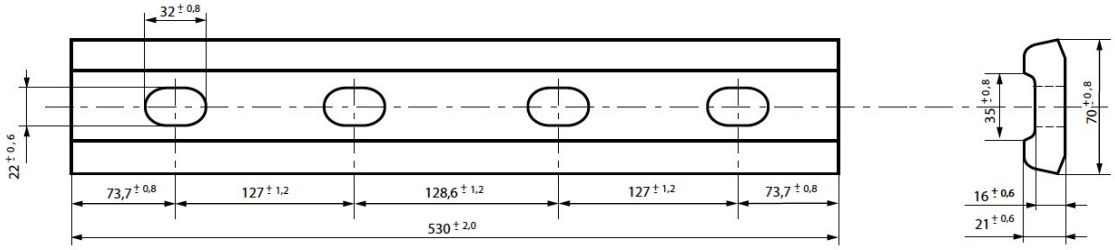
Fl 14c



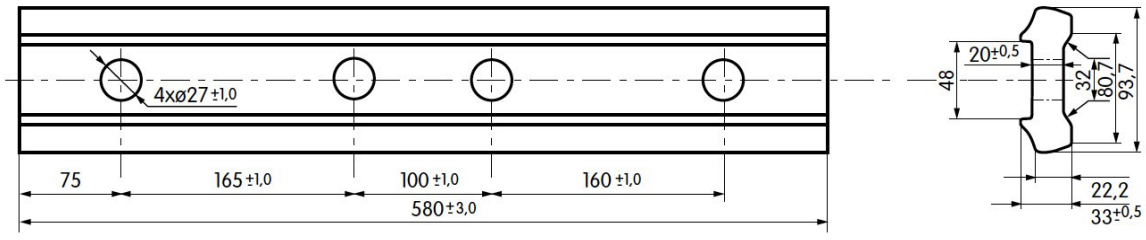
Fl 14a



Fl 30

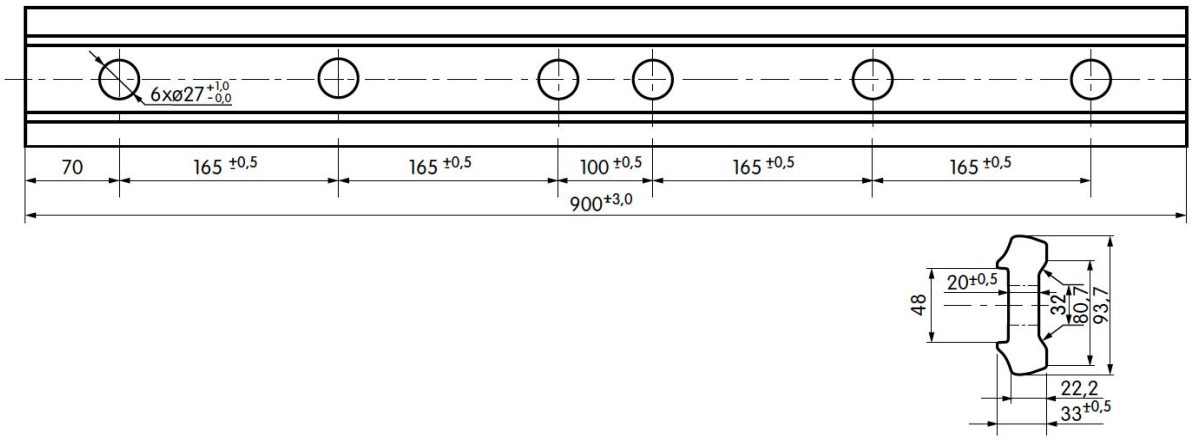


Ł 49

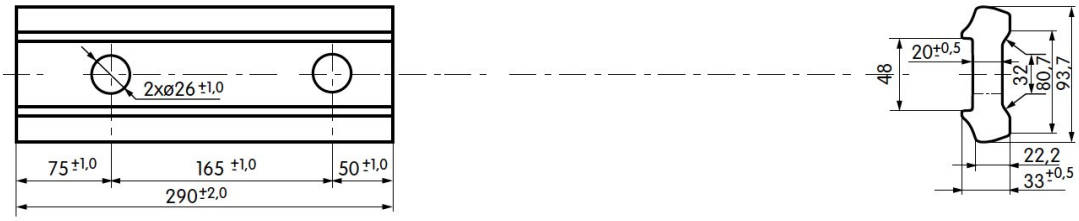


As well as £49/26 (4x ø26 +1,0 -0,0) and / y £49/HR (4x ø26 ±0,5)

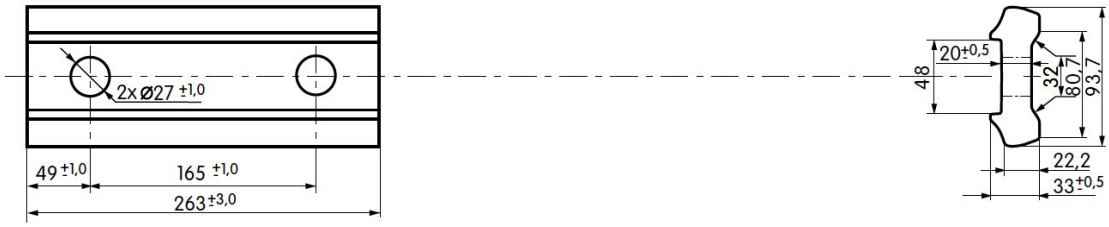
Ł 49-900/6



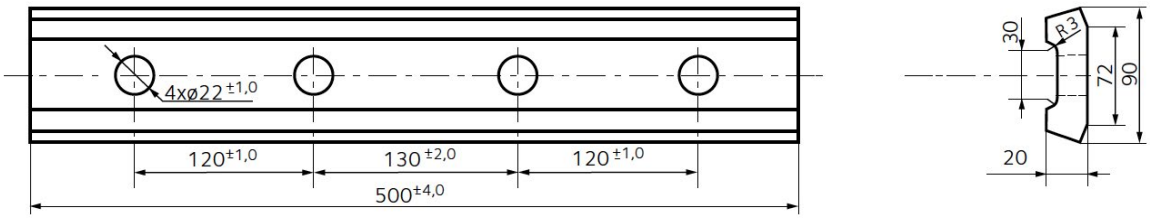
Ł 49d



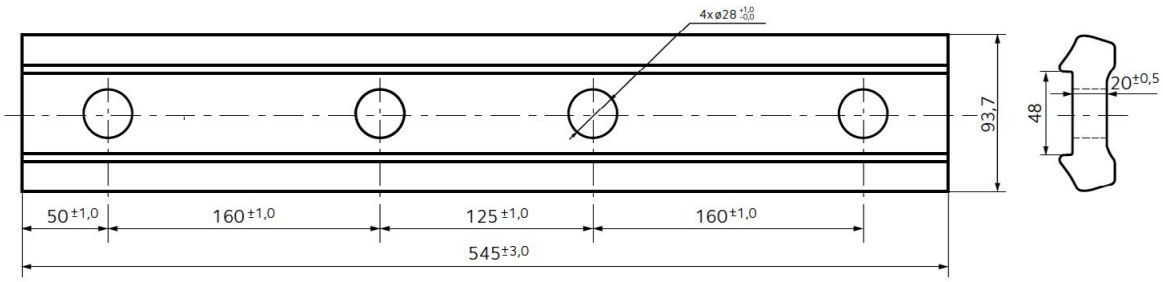
Ł 49d-263



Ł 39

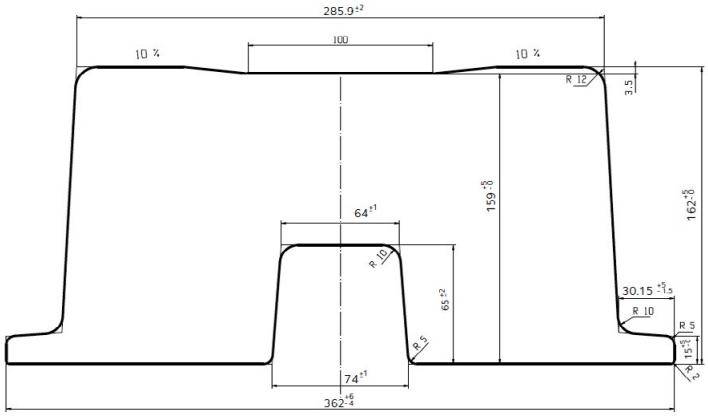


Ł 49-545/28

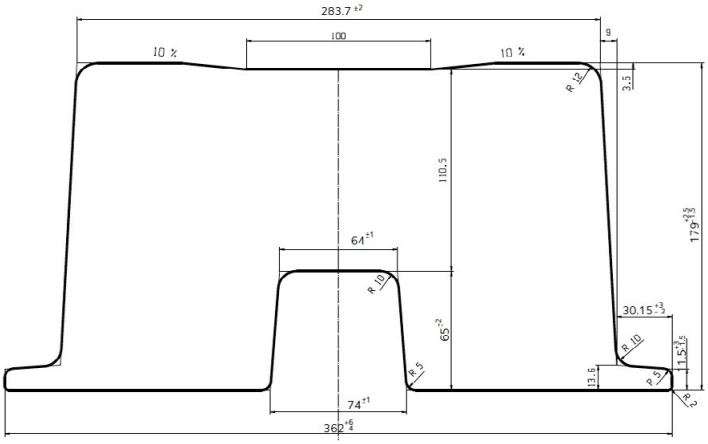


Frog profile

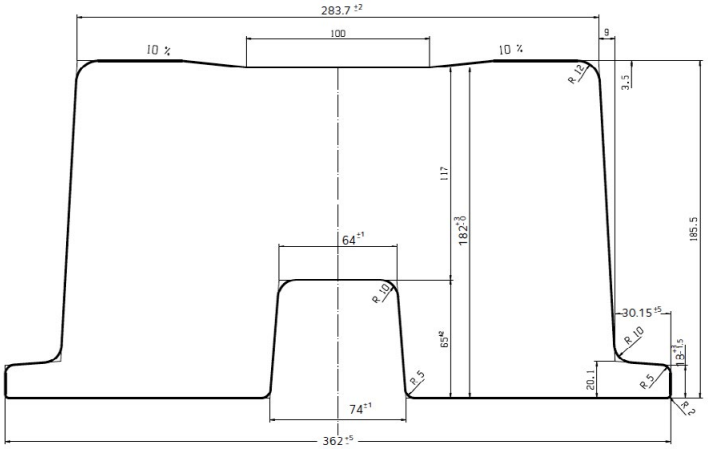
C.C.332



C.C. 379



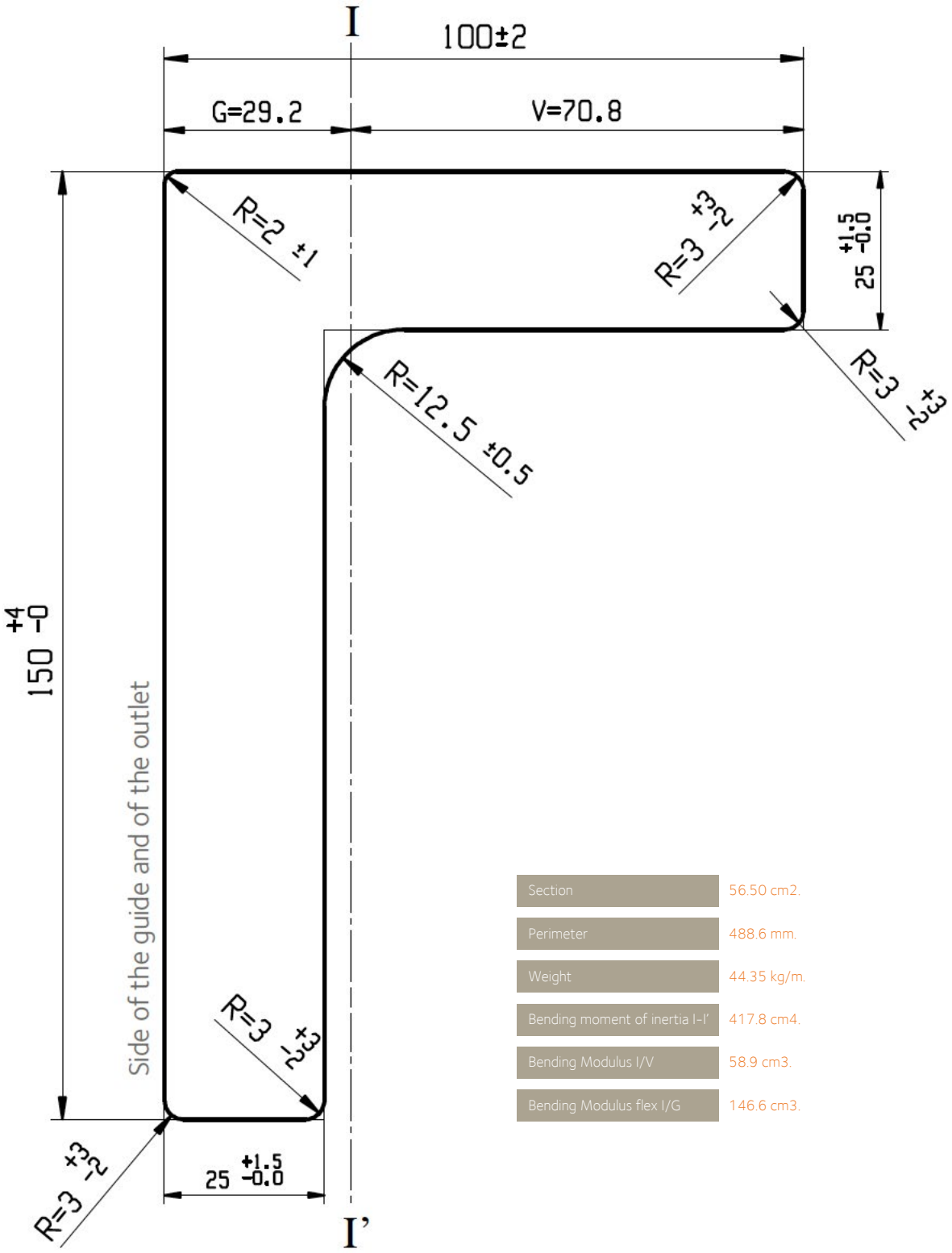
C.C. 397



CC332, CC 379 and CC 397
Steelgrades as per request.
Lenght as per request.

Used to build cross sections between rails

Angle of the guide and of the outlet

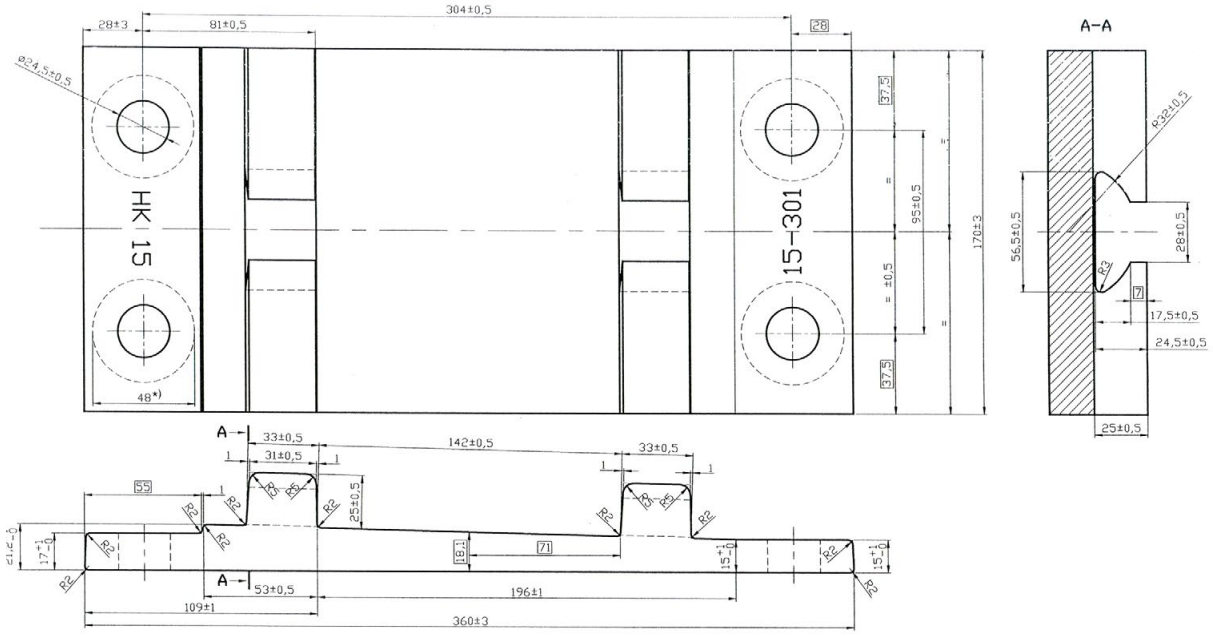


Section	56.50 cm2.
Perimeter	488.6 mm.
Weight	44.35 kg/m.
Bending moment of inertia I-I'	417.8 cm4.
Bending Modulus I/V	58.9 cm3.
Bending Modulus flex I/G	146.6 cm3.

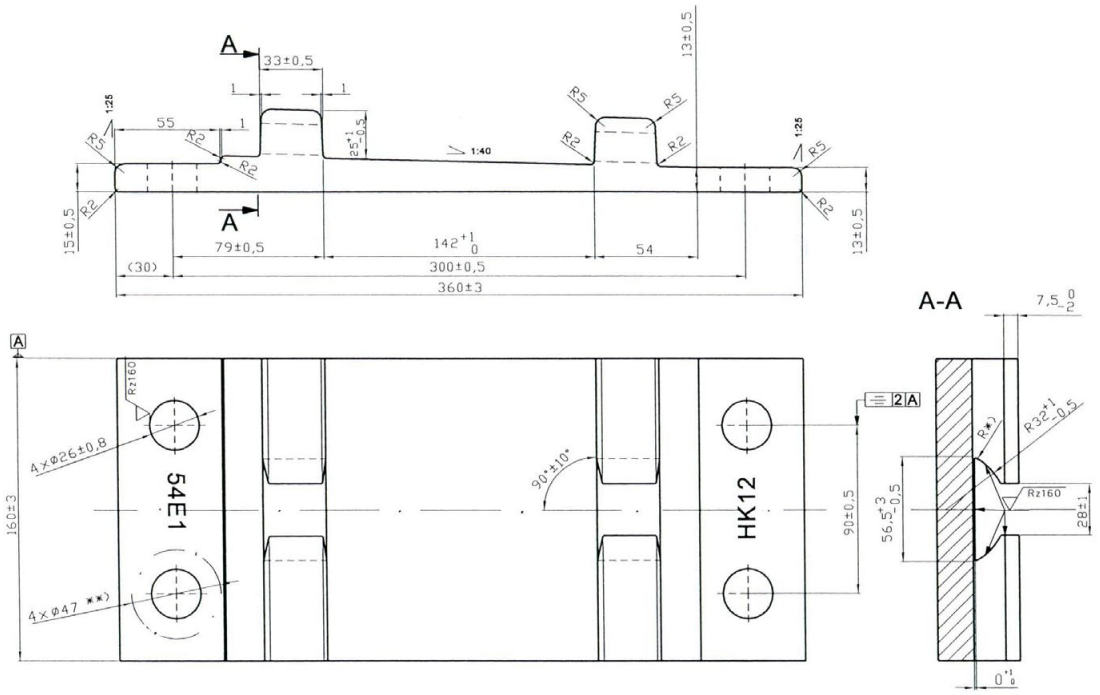
Bar dimensions 150 x 100 x25 mm Weight: 44,35 kg/m.
Low-resistivity steelgrade (LR-Grade).

Used in the construction of metro lines to limit the lateral movements of the wagons and to enable the current flow.

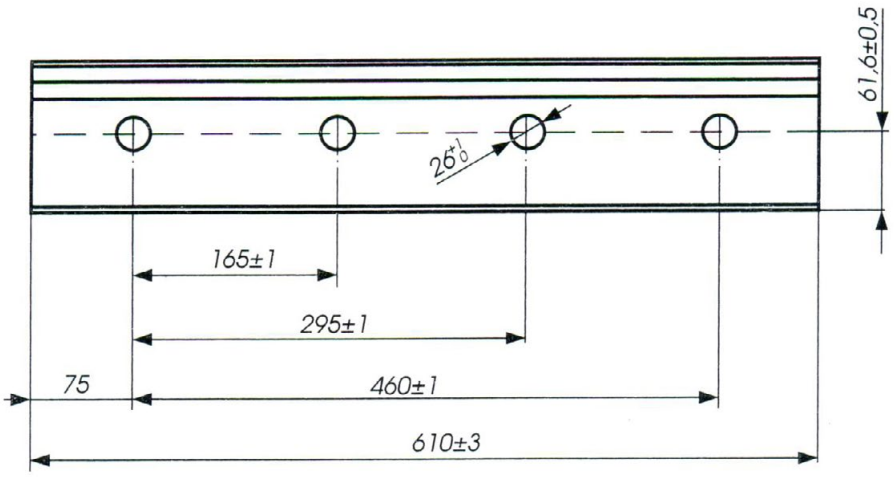
UIC54-170
produced from section type KUIC54



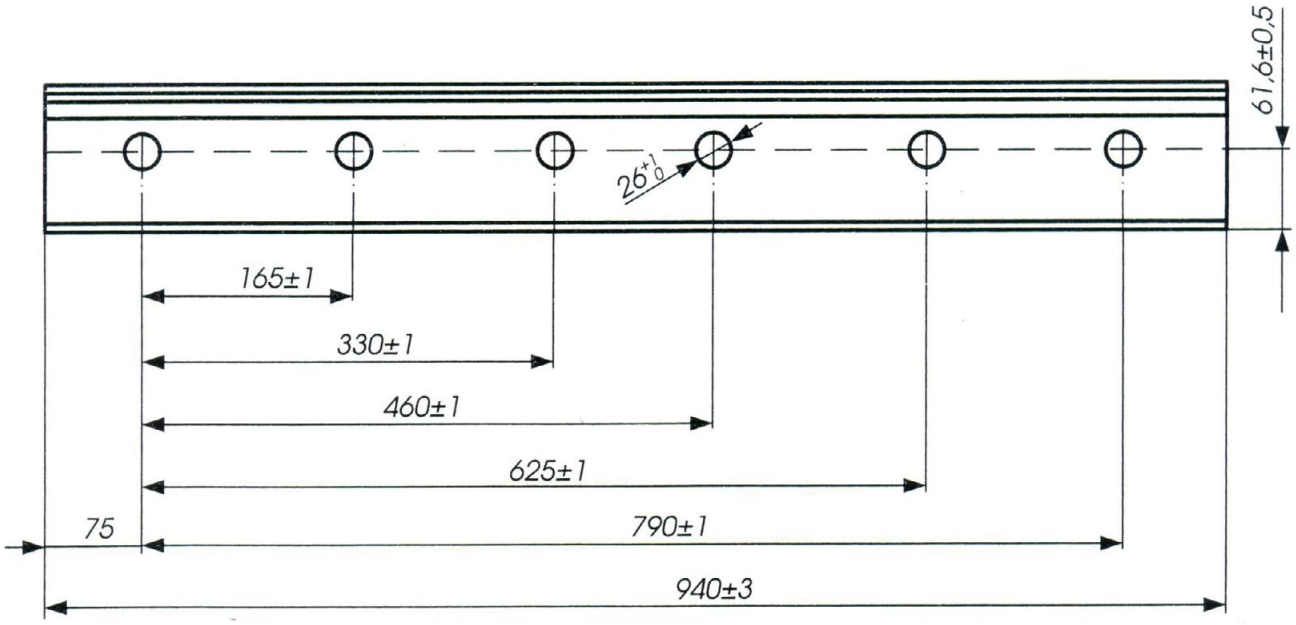
54E1-160
produced from section type 54E1



Ł60W4
produced from section type KŁ60W

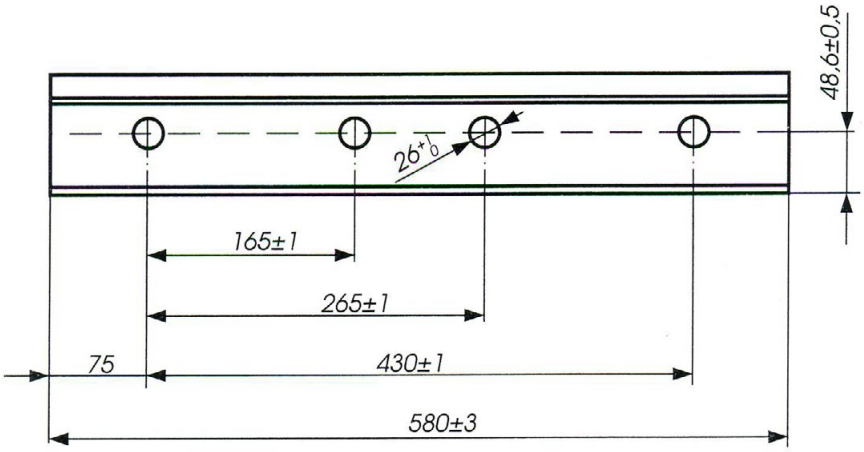


Ł60W6
produced from section type KŁ60W

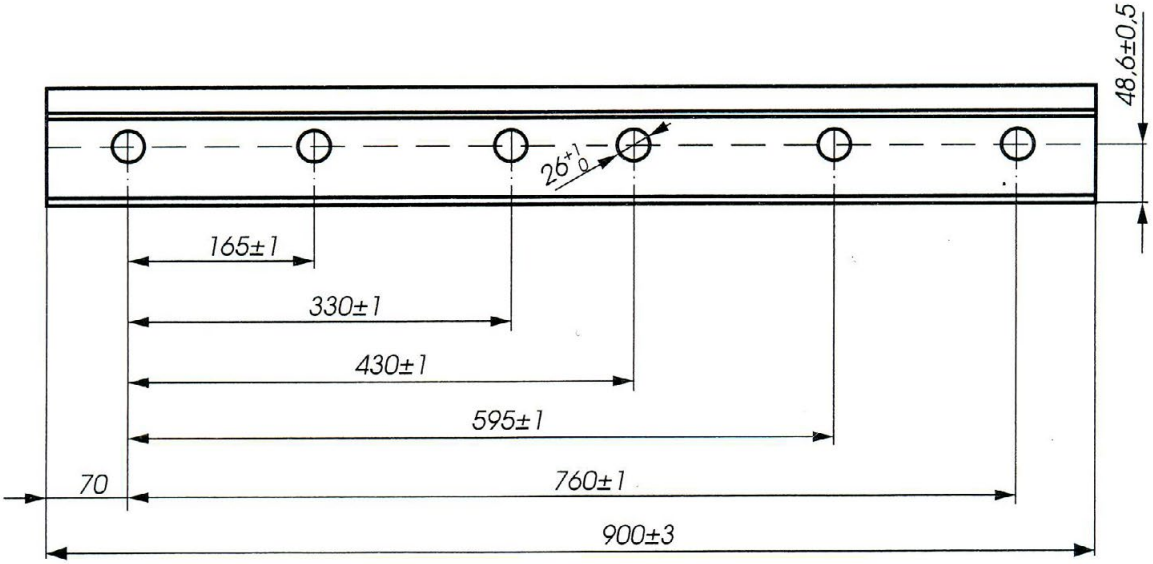


Strengthened fishplates

Ł49W4
produced from section type KŁ60W



Ł60W6
produced from section type KŁ60W



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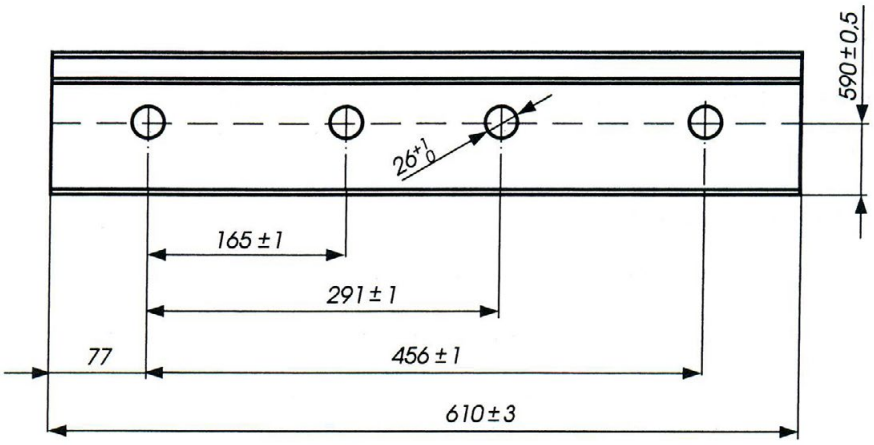

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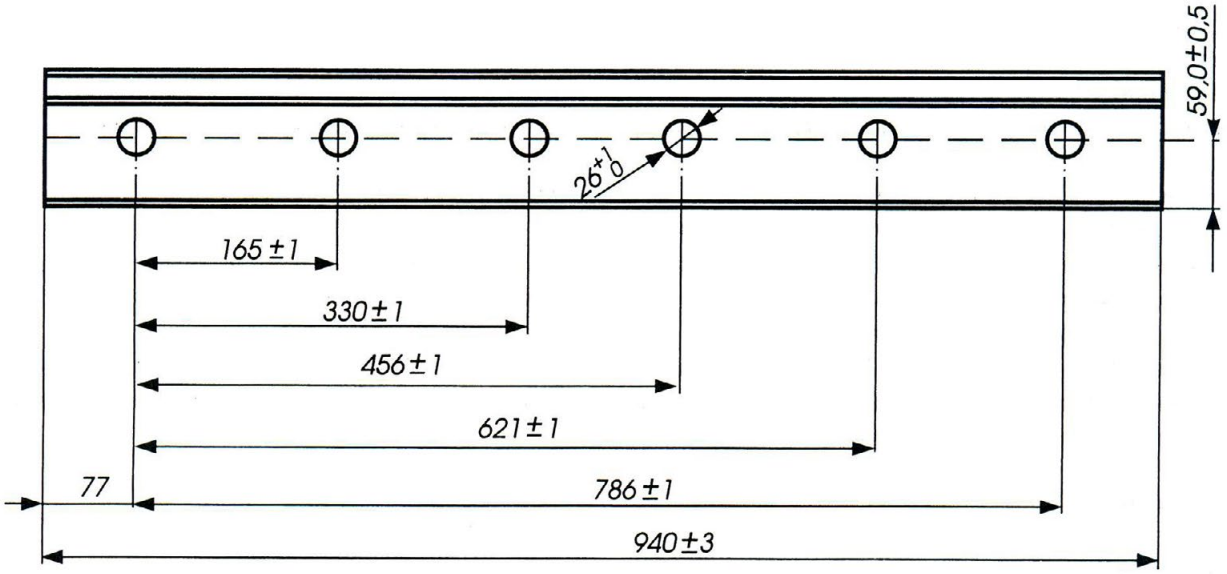
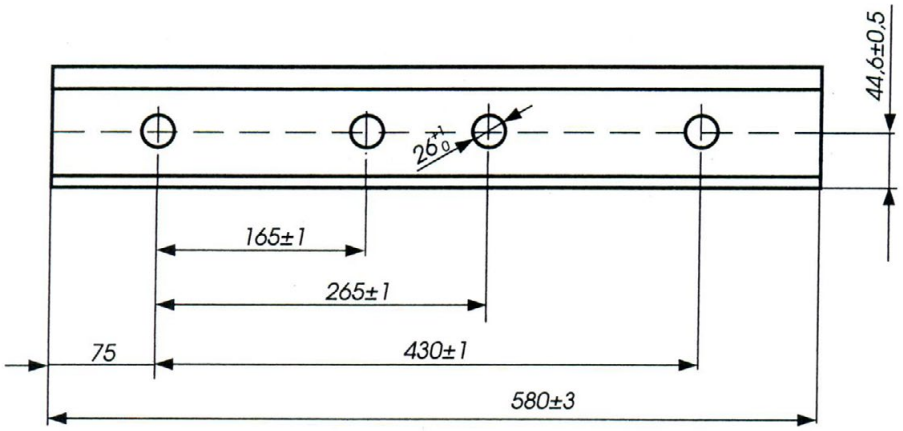


Strengthened fishplates

Ł49WS4
produced from section type KŁ49W



Ł49WS6
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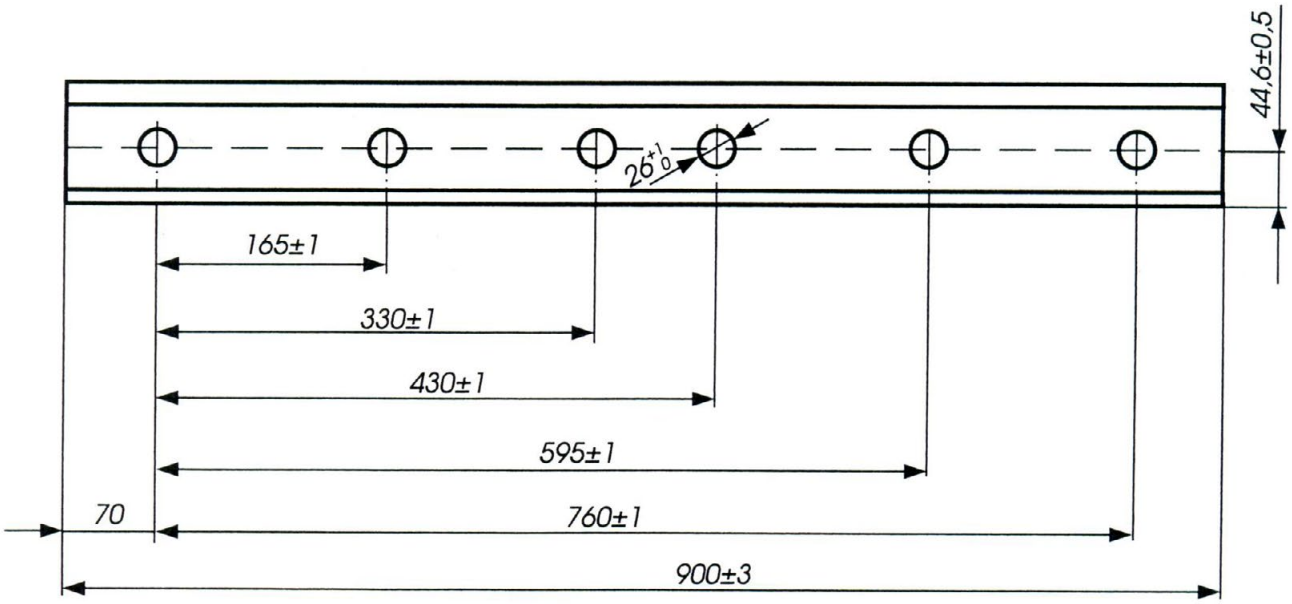
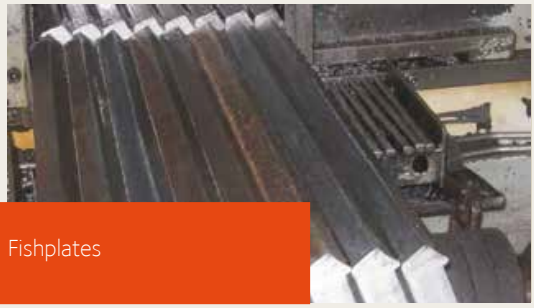


Ribbed baseplates

Tie plates

Clamps



Fishplates

Frog profile

Metro guide bar

ArcelorMittal has an unique profile with unprecedented scale, scope and synergies:

- Number 1 position in the global steel industry with steel-making capacity of 120 millon tonnes.
- Leading positions in NAFTA, UE, Central Europe, Africa and South America.
- Expected synergies of US$ 1,6 billon from purchasing, marketing and manufacturing efficiencies.
- Exceptional raw material resources with a high degree of iron-ore self sufficiency.
- Reduced volatility through geographic and product diversification.
- Security of long-term contracts through high value-added products.
- Leading position across a range of key products segments
- Ability to supply customers on a global basis.

Additional information can be found on:
http://rails.arcelormittal.com
August 2018

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