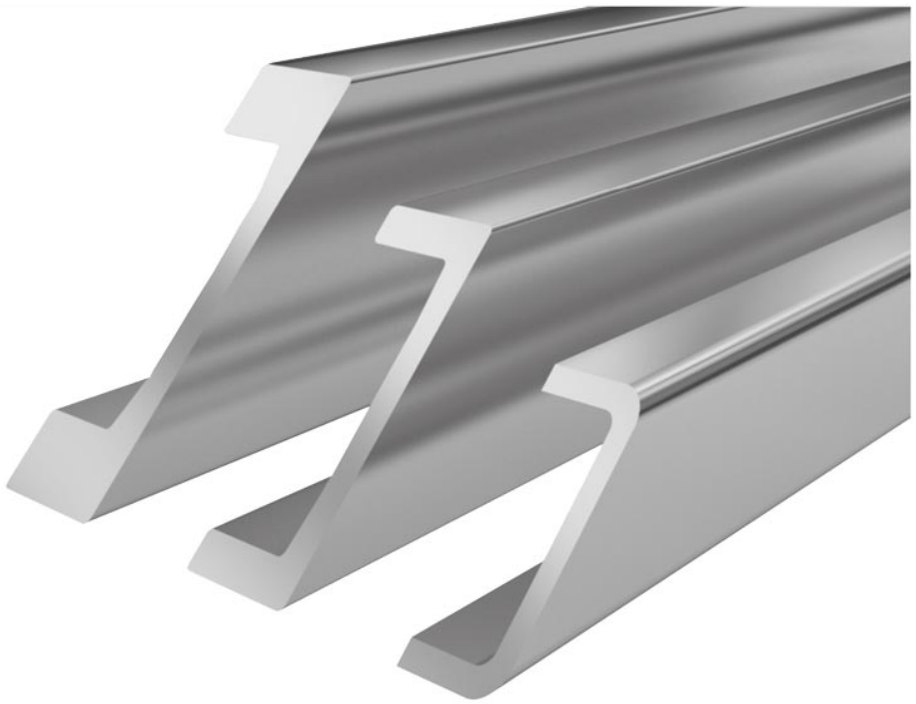
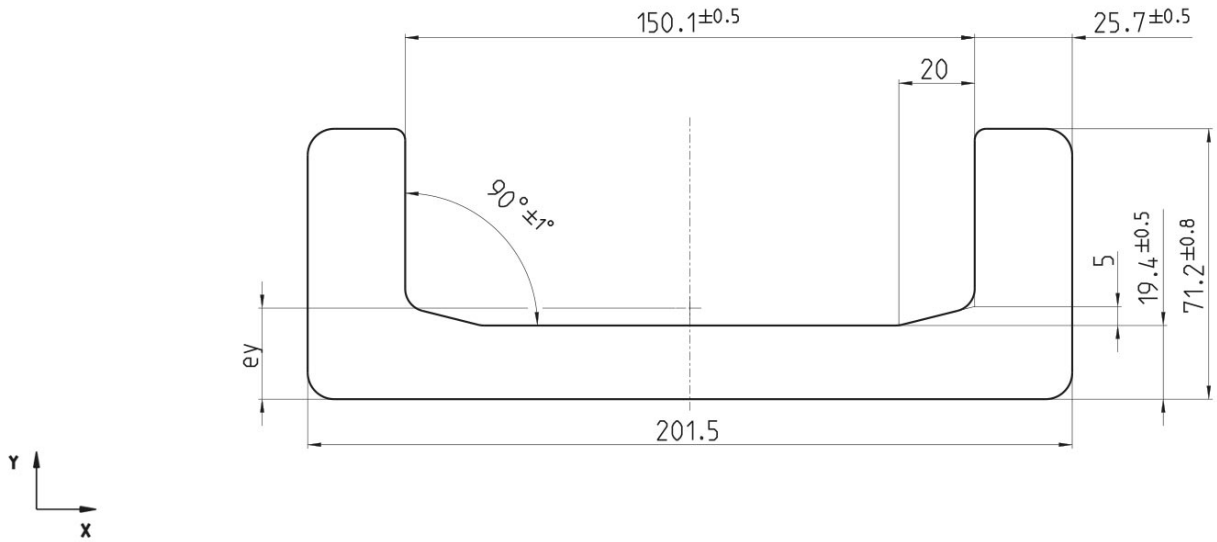


Свойства материала Standard U-profile **Standard 6 NbV**

- Hot rolled profile in sandblasted version.
- Профиль изготовлен из высококачественной стали S450 J2 mod.
- Большая грузоподъемность с новой серией NBV
- Production-related straightness ± 1,0 mm/meter.
- This profile is availiable as fine straightened style on request (± 0,3 mm per meter)
- L_{max} = максимальная длина 12m

Technical drawing **Standard 6 NbV**



*Точность при выравнии профиля с допустимой погрешностью составляет ± 0,3 мм/м при стандарте ± 1,0 мм/м.

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Моменты сопротивления **Standard 6 NbV**

Артикул	m kg/m	A cm²	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	ey cm	L_{max} in m
113.016.000	52,3	66,30	266,40	56,40	3.402,50	337,70	2,40	12

m = масса, **A** = поверхность, **Ix** = момент на поверхности, **Wx** = момент сопротивления, **Iy** = момент на поверхности, **Wy** = момент сопротивления , **ey** = расстояние от оси Y , L_{max} = максимальная длина

WINKEL U-Profiles with 30% increased load capacity

- higher load capacity at same sizes by using profiles with steelgrade S450 J2 mod.
- choice of smaller sizes (price advantage)
- higher resistance against wear out effects

Comparison S355 J2 - S450 J2 mod.

замечание: Yield point 1 is only valid for flange thickness < 20 mm, yield point 2 is only valid for flange thickness > 20 mm.

Because of micro alloying with Vanadium and/or Niobium the steel grade S450J2 mod. has a significantly higher tensile and yield strength and a more fine-grained structure than the customary steel grade S355 J2. In consequence of this and due to a stronger limitation of the elements P and S the steel shows a higher resistance to brittle fracture. Related to this is an increased bearing pressure which is shown by the diagram below.

Load capacity of radial bearings in comparison:



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Instructional Video

Fine straightening to U profiles



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