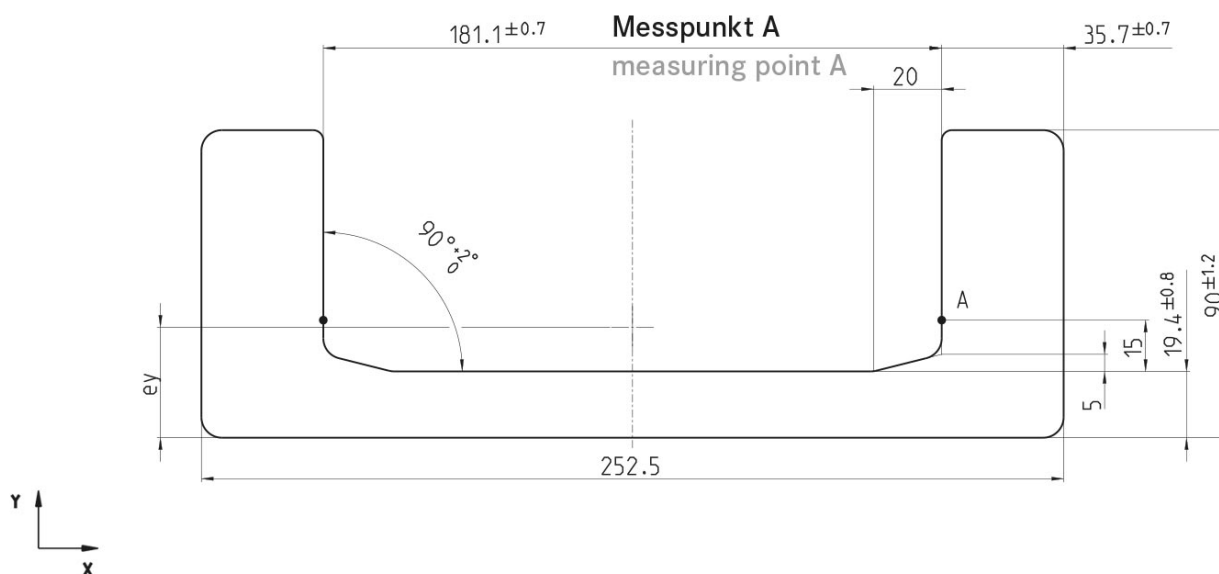




Свойства материала Standard U-profile Standard 8 NbV

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

Technical drawing Standard 8 NbV



*Точность при выравнивании профиля с допустимой погрешностью составляет $\pm 0,3$ мм/м при стандарте $\pm 1,0$ мм/м.



Моменты сопротивления Standard 8 NbV

Артикул	m kg/m	A cm ²	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	e _y cm	L _{max} in m
113.018.000	78,8	100,10	721,50	125,10	8.605,40	681,60	3,20	12

m = масса, A = поверхность, I_x = момент на поверхности, W_x = момент сопротивления, I_y = момент на поверхности, W_y = момент сопротивления, e_y = 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:





Instructional Video

Fine straightening to U profiles

