

Alloy Westig® 1.4006 Datasheet

Precision Strip



Zapp is certified to ISO 9001

Westig® 1.4006

hardened and tempered

Material-No. 1.4006 according to EN 10088-2

Finish

Cold rolled, hardened and tempered

Edge finish

Slit

Surface finish

Polished

$R_t \leq 3.0 \mu\text{m}$

$R_a \leq 0.30 \mu\text{m}$

Dimensions

Thickness: 0.10 - 1.50 mm

Width: 20 - 300 mm

Flatness

Permissible deviation transverse to direction of rolling:

Thickness ≥ 0.20 mm: max. 0.2 % of the strip's width

Thickness < 0.20 mm: max. 0.3 % of the strip's width

Straightness

max. 1.5 mm/ 1 m

Tensile strength

1,200 – 1,400 MPa dependent on dimension

Form of delivery

Coils

- Inside diameter: 300/ 400 mm
- Outside diameter: max. 1,000 mm
- Coil weight: min. 40 kg

Information concerning minimum quantities and our capabilities to produce material with characteristics which differ from the above mentioned data are available upon request.

Approximate chemical Analysis (%)

C	Mn	Si	P	S	Cr	Ni
0.11	≤ 1.50	≤ 1.00	max. 0.040	max. 0.025	12.5	≤ 0.75

Tolerances

Width tolerances in mm (acc. to B1)

Thickness (mm)	Width (mm)	Tolerances (mm) ±
< 0.250	< 20	0.07
	20 to < 50	0.10
	50 to < 125	0.15
	125 to < 250	0.20
	250 to 320	0.30
0.250 to < 0.500	< 20	0.10
	20 to < 50	0.15
	50 to < 125	0.20
	125 to < 250	0.25
	250 to 320	0.35
0.500 to < 1.000	< 20	0.15
	20 to < 50	0.20
	50 to < 125	0.25
	125 to < 250	0.30
	250 to 320	0.40
1.000 to < 1.600	< 20	0.20
	20 to < 50	0.25
	50 to < 125	0.30
	125 to < 250	0.35
	250 to 320	0.45
1.600 to < 2.000	< 20	0.25
	20 to < 50	0.30
	50 to < 125	0.35
	125 to < 250	0.40
	250 to 320	0.50

Thickness tolerances in mm (acc. to T3)

Thickness (mm)	Tolerances (mm) ±
0.080 to < 0.125	0.004
0.125 to < 0.200	0.005
0.200 to < 0.250	0.006
0.250 to < 0.315	0.007
0.315 to < 0.400	0.008
0.400 to < 0.500	0.009
0.500 to < 0.630	0.010
0.630 to < 0.800	0.012
0.800 to < 1.000	0.013
1.000 to < 1.250	0.017
1.250 to < 1.600	0.020
1.600 to < 2.000	0.023

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Further information regarding our products and locations are available in our image brochure and under www.zapp.com

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