

1.4122, Martensitic Steel, DIN ISO 9445

Precision Strip – Data Sheet



Zapp is certified to ISO 9001



Grade 1.4122 YL from Zapp

Execution

cold-rolled, annealed, hardened and tempered

Edge

cut, deburred and rounded

Surface Finish

bright-rolled, bright annealed, bright -hardened, polished

- Roughness: $R_t \leq 3.0 \mu\text{m}$
 $R_a \leq 0.30 \mu\text{m}$

Dimensions

Thickness: 0.08 to 1.0 mm

Width: 4 to 320 mm

Flatness

Deviation from the flatness transverse to the direction of rolling:

- cold-rolled and levelling: max. 0.4 % of the strip width
- hardened and tempered: max. 0.3% of the strip width

Straightness

- cold-rolled and levelling: max. 1.5 mm/ 1 m
- hardened and tempered: max. 1.0 mm/ 1 m

Tensile Strength

- annealed: max. 950 MPa
- cold rolled: max. 1,250 MPa
- hardened and tempered: max. 1,700 MPa

Delivery Form

Coils

- inside diameter: 200/ 300/ 400/ 500 mm
- outside diameter: max. 1,200 mm

Should deviations from the above characteristics be necessary, we look forward to your inquiry.

Chemical Analysis* (Mass-%)

C	Mn	Si	P	S	Cr	Mo
0.43	0.50	0.50	max. 0.035	max. 0.025	16.50	1.10

*approx. value

Tolerances

Thickness and width tolerance according to DIN ISO 9445

Please find further stainless steel grades here:

<https://www.zapp.com/en-uk/materials/stainless-steel>

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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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