FLUIDLINE | F-LINE

LL, L & S Pressure and Size Guide

DIN 2353 / ISO 8434-1 hydraulic fittings

Series	Tube OD (mm)	Steel (bar)	Stainless (bar)
LL	4, 6, 8, 10, 12	100	100
L	6, 8, 10, 12, 15	315	250
L	18	315	160
L	22	160	160*
L	28, 35, 42	160	100
S	6, 8, 10, 12, 14	630	630
S	16, 20, 25, 30	400	400
S	38	315	315

Tube sizes are outside diameters (OD) in mm. Pressures are catalogue nominal ratings in bar, not a blanket system working-pressure approval.

* 22 mm stainless L series: 160 bar, confirmed by Fluidline on 20 October 2026. This resolves the overlapping 22 mm ranges in the supplier catalogue.

Check the rating for the exact fitting type: individual configurations can have lower ratings. The lowest permissible limit of the fitting, tube, port and seal governs the assembly. Include tube wall thickness, pressure peaks and temperature when requesting selection.

Stainless column: supplier designation 1.4571 (labelled SS316 in the catalogue). Confirm the supplied material grade; do not automatically transfer these ratings to every stainless alloy.

Brass: the catalogue specifies pressure ratings 30% below the steel values. The steel column is not a brass rating.

No marine class approval is implied by this table. Obtain current certificates and the applicable limits for the specific supplied assembly.

Temperature reductions

Stainless-steel pressure reductions at the listed temperatures: +50°C: 4%; +100°C: 11%; +200°C: 20%; +300°C: 29%; +400°C: 33%. The catalogue shows no reduction from -60°C to +20°C. Confirm intermediate-temperature values with Fluidline; do not infer interpolation. Seal and medium limits can be lower.

Source: Shinilace DIN Bite Type catalogue, printed pages 06-07 (PDF pages 7-8), plus Fluidline clarification of 22 mm stainless L on 20 October 2026.

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