Extruding Press Profiles
(according to DIN EN 12020 part 2)

alloy:	Al Mg Si 0.5 F 25
material-№:	3.3206.72
condition:	hardened off by heat

Mechanical Data
(values in direction of press)

	Standard Profiles	Precision Profiles
tensile strength Rm:	min. 245 N/mm^2	min. 350 N/mm^2
elastic limit Rp 0.2:	min. 195 N/mm^2	min. 290 N/mm^2
ductile yield:	min 10 %	min 10 %
modulus of elasticity:	70 kN/mm^2	70 kN/mm^2
Brinell hardness:	HB 75	HB 108
thermal expansion 20 - 100°C:	23.4 · 10^{-6} / °C	23.1 · 10^{-6} / °C
density:	2.7 kg/dm^3	2.77 kg/dm^3

Tolerances

Production related deviations in regards to straightness, flatness and twist but also outside and t-slot dimensions are in accordance with the standard DIN EN 12020: 9001 part 2.

Surface Treatment

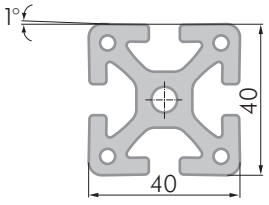
anodized to E6 / EV1 (natural) or
E6 / EV6 (black)
coating thickness: ca. 15 µm
coating hardness: 250 - 350 HV
RAL colors powder coated (on request).

Supplied Lengths
(according to DIN EN 12020 part 2)

Requirements for exact extrusion lengths should be communicated with your order. Standard 3 m or 6 m length extrusions may be slightly longer due to production related requirements.

NV Profile T-Slot

The NV t-slot is not pretensioned. The NV profile range has been designed for use with gauge plates and linear bearings, that require the profile surface to be flat. E.g. Jigs, fixtures and special purpose machines.



pretensioned 1° *not pretensioned*