

Technical data for strut profiles

EN AW – Al MgSi		Material designation according to DIN EN 573 for Rexroth strut profiles
EN AW – 6060		Material number according to DIN EN 573
R_m	= 245 N/mm ²	Minimum tensile strength (in direction of pressure)
$R_{p0.2}$	= 195 N/mm ²	0.2 % proof stress (in direction of pressure)
A_5	= 10 %	Ductile yield A_5 or A_{10}
A_{10}	= 8 %	
E	= 70000 N/mm ²	Modulus of elasticity E
75 HB		Brinell hardness
$\alpha_{(-50...+20\text{ °C})}$	= 21.8 x 10 ⁻⁶ 1/K	Longitudinal expansion coefficient
$\alpha_{(+20...100\text{ °C})}$	= 23.4 x 10 ⁻⁶ 1/K	