

# GUIDE TYPE SELECTION AID

Criteria / Guide type	Precision slide guide, sintered ferrites	Precision slide guide, bronze-coated	Slide guide, bronze-coated (ECO-LINE)	Slide guide with solid lubrication rings (ECO-LINE)	Slide guide with non-liquid lubricant pockets	Precision roller bearing	Precision roller guide	Precision needle roller guide (Million Guide)
Load capacity / High stresses	++	++	+	+++	+++	0	++	+++
Impact load / Pulsations	-	++	++	++	++	-	0	0
High stroke speed	0	-	-	-	-	+++	+++	++++
Ease of movement / Low friction	+ <sup>1</sup>	+	+	+	+	+++ <sup>1</sup>	++	++
Resistance to wear / Bearing life	++	+	+	++	++	+++	+++	++++
Low-maintenance operation	++	-	-	+++	+++	-	-	-
Tolerance to contamination and dust	-	0	0	+	++	-	-	-
Tolerance to pillar offset	0	+	+	++	++	-	-	-
Guide behaviour can change due to pairing classification	●					●		
Suitable for rotational movements	●	●	●		● <sup>2</sup>	●		
Low-corrosion designs (on request)						●		●

++++ = Excellent, +++ = excellent, ++ = good, + = satisfactory, 0 = adequate, - = Not as good

<sup>1</sup> Variable due to the pairing classification

<sup>2</sup> Depending on the arrangement of the solid lubricant deposits

The selection aid helps with orientation. Depending on the application, installation situation and ambient conditions, an advance check or test is essential.