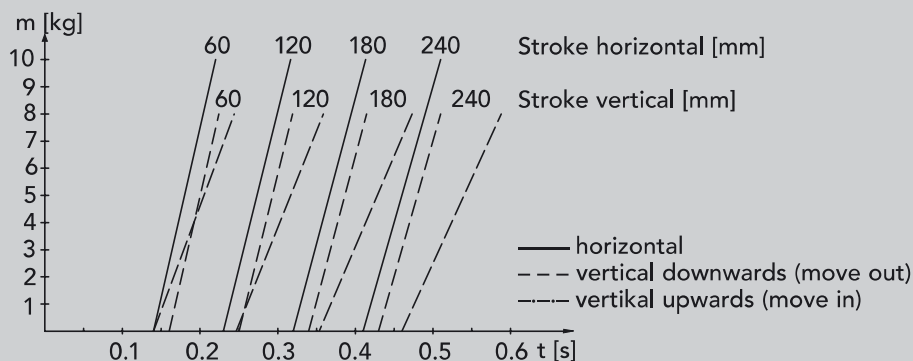


COMPACT UNIVERSAL SLIDES KUS-25-...-SD¹⁾

			KUS-25-60-SD	KUS-25-120-SD	KUS-25-180-SD	KUS-25-240-SD
Stroke (min./max.)	[mm]		10/60	40/120	100/180	160/240
Adjustment range for stops (per side)	[mm]		40	40	40	40
Piston diameter	[mm]		25	25	25	25
Piston-rod diameter	[mm]		10	10	10	10
perm. additional mass horiz.	$m_{h \max}$	[kg]	10	10	10	10
perm. additional mass vert.	$m_{v \max}$ 2)	[kg]	8	8	8	8
max. static moment	$M_{0x \max}$ 3)	[Nm]	50	62	74	86
max. static moment	$M_{0y \max}$ 3)	[Nm]	44	66	88	110
max. static moment	$M_{0z \max}$ 3)	[Nm]	44	66	88	110
max. static force (at 5 bar)	$F_{x \max}$ 3)	[N]	150	150	150	150
max. static force	$F_{y \max}$ 3)	[N]	300	360	420	480
max. static force	$F_{z \max}$ 3)	[N]	300	360	420	480
Weight	[kg]		2.4	3.1	3.8	4.5
Operating pressure	[bar]		3–6			
Operating medium			oiled or unoled air, filtered to 5 μm , dew point < 6°C			
End stop absorption			hydraulic shock-absorbers			
Repeatability	4) [mm]		< 0.01			
Check of end position	5)		inductive proximity switches			
Pneumatic connection			hose-Ø 6 mm			
Speed regulation			adjustable exhaust valves			
Noise level	6) [dBA]		< 64			
Ambient: Temperature	[°C]		10–50			
Rel. humidity			< 95% (without condensation)			
Air purity			normal workshop atmosphere			
Guaranty period			2 years from the date of delivery			
Mounting position	2)		any			
Material			aluminum, steel			

- 1) Designation: KUS-piston diameter-stroke-shock absorber
- 2) For vertical applications, use compensating spring
(see special accessories page 186: Installation kits for compensating spring)
- 3) See load calculations page 174
- 4) Scatter of the end positions for 100 successive strokes, conditions as for 6)
- 5) See assembly instructions page 176 and accessories page 302
- 6) Measured at 5 bar, maximum stroke horizontal, with $m = m_{h \max}$, throttled (approach end positions without impact)

TRAVEL TIME DIAGRAM



$p = 5 \text{ bar}$

Vertical operation with compensating spring (with $m = 0 \text{ kg}$ untensioned, with $m = m_{v \max}$ fully tensioned)