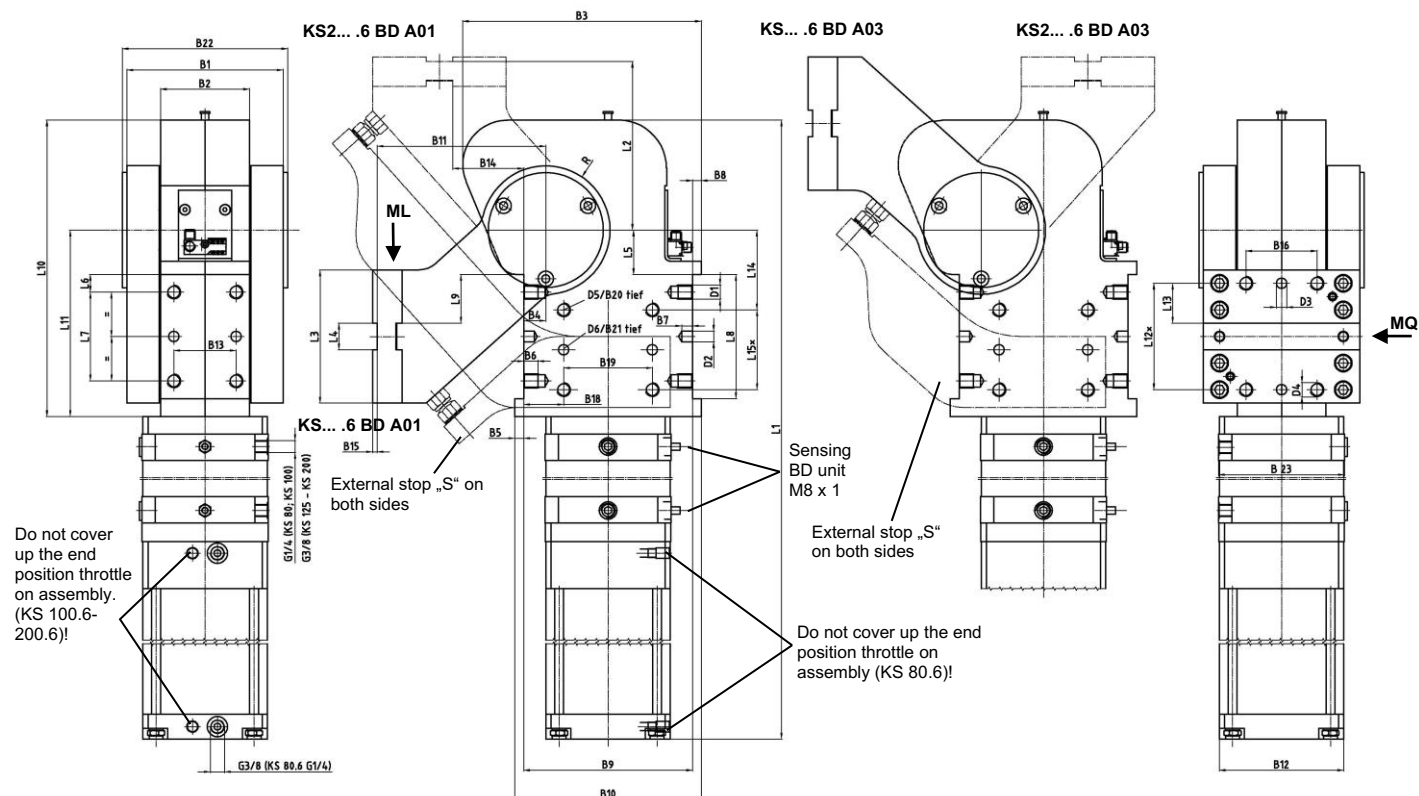


Swivel Unit

Blocking system, with optimized torque,
totally enclosed, self-locking type

KS... .6 BD



Ordering example:

KS 125.6 BD S A01 LH T12 75°

KS: 125.6: Type
BD: Piston Ø
SG: Blocking system (standard)
S: Prepared for external stop
SD: External Stop + damping
A01: Swivel arm version
LH: Rear air connection (standard)
T12: Sensing system
75°: Opening angle

Ordering example TÜNKERS sensing systems:

...T00 Without sensing system
...T12 Inductive sensor 24 V,
1 output with integrated LED's

Attention:

Operating pressure of the blocking unit: 4-8 bar.

Ordering example swivel arms:

...A00 Without swivel arm
...A01 Standard swivel arm
...A03 Mirrored standard swivel arm A01
...A10 Symmetrical swivel arm
Version 2: Opening angle max.70°
(see data sheet KSD...)

External stop „S“ not for arm version A10

Sensor position blocking system BD:

BD: Sensor on rear side (standard)
BD-L: Sensor left
BD-R: Sensor right
BD-V: Sensor front (only KS 80/KS 100)

Air connections:

LH Rear air connection
LV Front air connection
LR Right air connection
LL Left air connection

Size KS 80 only LH + LV!

Opening angles:

Type KS... .6 A01/A03: max. 135°
Type KS2... .6 A01: max. 105°
Type KS2... .6 A03: max. 60°

Please send the application for approval.

Attention:

External throttle check valves must be installed on assembly.

Attachment on both sides.

Horizontal mounting

Cylinder cushioned on both sides.

**For the torque curve for the angle of tilt see separate data sheet.

Torque caused by load =
mass of swivel traverse complete x throat depth

For pneumatic circuit diagram see separate data sheet
no. P0014979

* Tolerance for dowel holes ± 0.02, for threaded holes ± 0.1.

Medium: Air, max. 6 bar, operation permitted with oil-free air.

Type	**Torque caused by load ML max. 0°-135°	Torques by horizontal forces MQ max.	Rotating time at 135° opening angle	Piston Ø (mm)	Cylinder: R = round F = flat	Weight ~ (kg)	B1	B2 ±0,1	B3	B4	B5	B6	B7	B8	B9 ±0,1
KS 80.6	90 Nm	360 Nm	3,3 sec.	80	F	38	145	80	210	20	8	18	12	8	140
KS 100.6	140 Nm	380 Nm	3,3 sec.	100	R	42	176	100	269	25	10	16	12	10	190
KS 125.6	250 Nm	1000 Nm	3,3 sec.	125	R	80									
KS 160.6	410 Nm	1000 Nm	3,3 sec.	160	R	100									
KS 200.6	650 Nm	1000 Nm	4,3 sec.	200	R	120									

Type	B10	B11	B12	B13*	B14	B15	B16	B17 ±0,05	B18 ±0,1	B19*	B20	B21	B22	B23	D1	D2 H7	D3 H7
KS 80.6	156	155	140x62	50	55	5	60	10	30	85	16	10	155/175	114	M12	10	10
KS 100.6			110											114			
KS 125.6			140	70	80	5	80	20	45	100	16	12	181/206	142	M16	12	12
KS 160.6	210	190	180											180			
KS 200.6			220											180			

Type	D4	D5	D6 H7	L1 (max. 135°)	L2	L3	L4 ±0,1	L5 ±0,1	L6 ±0,1	L7 ±0,1	L8 +0,1	L9	L10 ~	L11 ±0,02	L12*	L13 ±0,1	L14 ±0,05	L15*	R
KS 80.6	M12	M16	12	765	155	110	30	50	15	50	80	25	284,5	182,5	90	30	85	60	52,5
KS 100.6				763															
KS 125.6				948															
KS 160.6	M16	M16	12	994	190	150	30	50	20	100	140	55	334	210	120	45	90	90	72,5
KS 200.6				999															