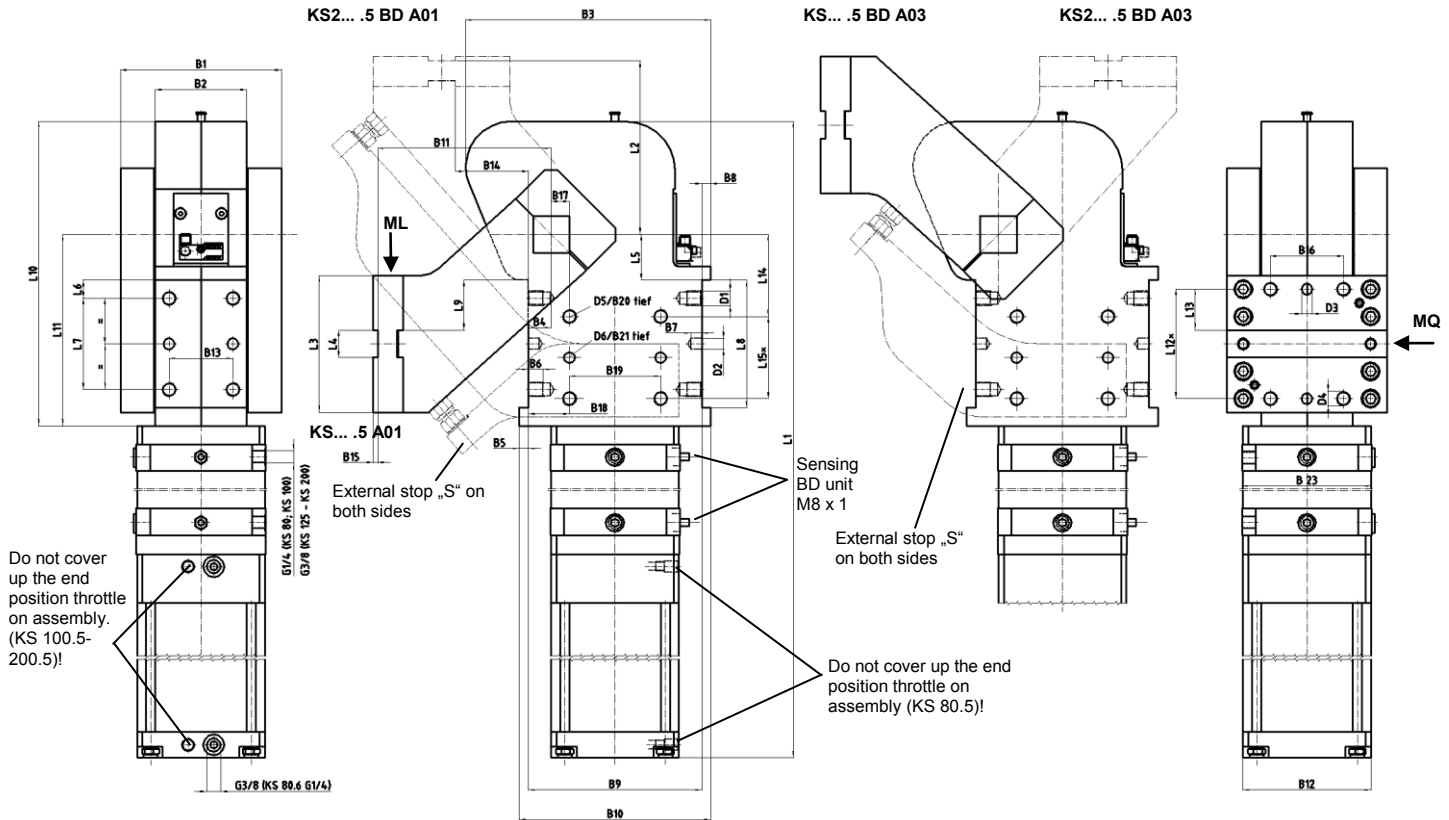


Swivel Unit

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

KS... .5 BD



Ordering example:

KS 125.5 BD S A01 LH T12 75°

KS:	125.5:	Type	Piston Ø
BD:		Blocking system (standard)	
SG:		Prepared for external stop	
S:		External Stop (incl. SG)	
A01:		Swivel arm version	
LH:		Rear air connection (standard)	
T12:	75°	Sensing system	
		Opening angle	

Ordering example Tünkers sensing systems:

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

Attention:

Blocking system must be under 6 bar pressure.

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... .5 A01/A03: max. 135°
Type KS2... .5 A01: max. 105°
Type KS2... .5 A03: max. 60°

Please send the application for approval.

Attention:

Directional flow valves must be installed.

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	Pisten Ø (mm)	Cylinder: R = round F = flat	Weight ~ (kg)	B1	B2 ±0.1	B3	B4	B5	B6	B7	B8	B9 ±0.1
KS 80.5	90 Nm	360 Nm	3.3 sec.	80	F	38	145	80	210	20	8	18	12	8	140
KS 100.5	140 Nm	380 Nm	3.3 sec.	100	R	42									
KS 125.5	250 Nm	1000 Nm	3.3 sec.	125	R	80									
KS 160.5	410 Nm	1000 Nm	3.3 sec.	160	R	100	176	100	269	25	10	16	12	10	190
KS 200.5	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	B23	D1	D2 H7	D3 H7
KS 80.5	156	155	140x62	50	55	5	60	10	30	85	16	10	114	M12	10	10
KS 100.5			110										114			
KS 125.5	210	190	140	70	80	5	80	20	45	100	16	12	142	M16	12	12
KS 160.5			180										180			
KS 200.5			220										180			

Typ	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*	SW
KS 80.5	M12	M16	12	765	155	110	30	50	15	50	80	25	284.5	182.5	90	30	85	60	35
KS 100.5				763															35
KS 125.5	M16	M16	12	948	190	150	30	50	20	100	140	55	334	210	120	45	90	90	40
KS 160.5				994															40
KS 200.5				999															40