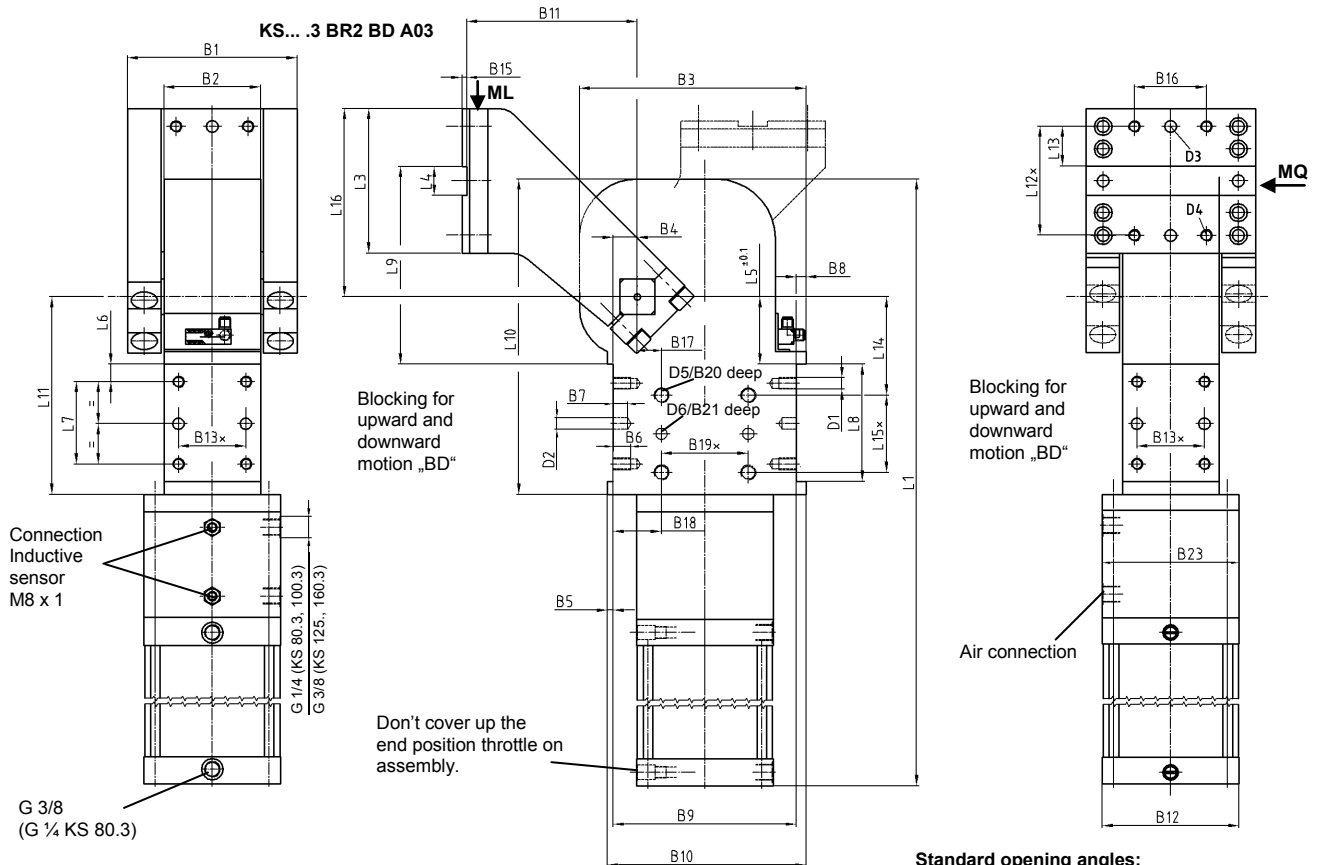


Swivel unit

for heavy duty clamping, blocking system,
toggle locked, with steel housing

KS... .3 BR2 BD



Ordering example:

KS 100.3 BR2 BD A03 LH T12 90°

KS ... BR2: Type
100.3: Piston Ø
BD: Blocking system (standard)
A03: Swivel arm version
LH: Rear air connection (standard)
T12: Sensing system
90: Opening angle

Ordering example Tünkens sensing systems:

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

Attention:

The blocking system must be under 6 bar pressure.

Ordering example swivel arms:

... A00 Without swivel arm
... A03 Swivel arm version
... A01 Swivel arm version A03 mirrored

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!

Standard opening angles:

Typ KS... .3 BR2 BD A01: max. 135°
Typ KS2... .3 BR2 BD A01: max. 105°
Typ KS... .3 BR2 BD A03: max. 135°
Typ KS2... .3 BR2 BD A03: max. 60°

Please send the application for approval.

Attention:

External throttle check valves must be provided on assembly.

Connection on both sides.

Cylinder cushioned on both sides.

Holding torque = Clamping moment

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

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

Type	Clamping moment at 5 bar	Piston Ø (mm)	Cylinder: R = round F = flat	Weight ~ (kg)	B1	B2 ±0,1	B3	B4	B5	B6	B7	B8	B9 ±0,1
KS 80.3 BR2 BD	1000 Nm	80	F	52	145	80	180	20	8	18	12	8	140
KS 100.3 BR2 BD	1700 Nm	100	R	90									
KS 125.3 BR2 BD	3000 Nm	125	R	115	176	100	235	25	10	16	12	10	190
KS 160.3 BR2 BD	5000 Nm	160	R	125									

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 80.3 BR2 BD	156	155	140x62	50	-	5	60	10	30	85	16	10	-	114	M12	10	10
KS 100.3 BR2 BD			110											114			
KS 125.3 BR2 BD	210	190	140	70	-	5	80	20	45	100	16	12	-	142	M16	12	12
KS 160.3 BR2 BD			180											177			

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*	L16
KS 80.3 BR2 BD	M12	M16	12	760	-	110	30	50	15	50	80	155	280	178	90	30	85	60	145
KS 100.3 BR2 BD				758															
KS 125.3 BR2 BD	M16	M16	12	939	-	150	30	50	20	100	140	185	327	205	120	45	90	90	195
KS 160.3 BR2 BD				985															