

1 BTP
ONE-BTP.COM

MADE IN
GERMANY



Attachments for construction equipment

TILTROTATOR ROTOBX XTRATILT



www.hks-partner.com



QUALITY THAT MAKES THE DIFFERENCE.

BETTER WITHOUT CYLINDER.

OVER
50.000
XTRA TILT
IN USE
WORLDWIDE

**For me, the best
system on the market.**

Ingo M. Aschaffenburg

GOOD REASONS TO PURCHASE HKS ATTACHMENTS



Our attachments increase the cost-effectiveness of your excavator

With an attachment by HKS, you can move your attachment tools into many new operating positions. Only the attachment pivots or rotates to position the tool, not your excavator. This prevents site damage and saves fuel.



Durable quality and reliability are a given!

We manufacture our attachments in our own facility. This way, we maintain control over quality and ensure that you get a durable product. In addition, our attachments are "Made in Germany" with German quality and the greatest precision.



Good service for your satisfaction

Our service team provides on-site support everywhere in Germany. In addition, we have a global partner network that can help you if you have problems.



Technically innovative and solution-oriented

The connections between our attachments and your excavators and quick couplers are customized. Each dipperstick connection is produced for optimum kinematics and to ensure the greatest tear strength and breakaway torque.



Consistent performance ensures smooth operation

Even after many operating hours, the pivot force remains constant and consistent. Neither adjustments nor lubrication are necessary. Save downtime and costs.

**WHY HKS IS
YOUR BEST CHOICE:**

- ✓ Save costs in the long term
- ✓ Reduce maintenance costs
- ✓ Significantly less wear and tear
- ✓ No damaged cylinders

**YOUR NEW STANDARD –
MAINTENANCE-FREE AND
WITHOUT CYLINDERS.**



ASK ME

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XTRATILT



Many years of experience and innovation have made the XtraTilt even more robust, reliable and durable. Thanks to the special deflectors on both sides, dirt is prevented from entering the housing of the XtraTilt range, making it maintenance-free from the day it leaves the factory. This feature considerably reduces maintenance costs. Together with our experts in sales you will find the XtraTilt that meets the needs of your special applications.

DETAILS

- Standard rotating angles: 100°/140°/180°
- Holding torque of up to 165.000 Nm
- Operating pressure of up to 250 bar
- 33 models for 17 sizes for a carrier device weight of up to 100 t
- Further tilting weights available by request



FACTS

- Tilt up to 2 x 90°
- The **XTRATILT** for positioning and holding attachments in place
- An additional movement axis for greater versatility and flexibility

PRODUCT ADVANTAGES

1 | MAINTENANCE-FREE OPERATION:

no need for re-lubrication and readjustment.

2 | UNLIMITED FLEXIBILITY:

compatible with all quick couplers and carrier devices.

3 | LESS MATERIAL EXCAVATION:

narrower attachment tools can be used, considerably reducing the working width.

4 | MORE PRECISE OPERATION:

high holding torques and precise manufacture ensure the exact maintenance of the

selected position.

5 | CONSTANT TORQUE/HOLDING TORQUE:

regardless of the operating angle.

6 | DURABILITY:

protection against wear, tear and rust thanks to special manufacturing, annealing and hardening processes which give the robust welded housings the utmost accuracy of shape.

7 | MADE IN GERMANY:

Over 20 years of experience in design and production of the highest quality – Made in Germany.

PRODUCT TYPES



BVC 1-11t

- Tilt angle 2x90° (180°)

BVC 2.0 1-12t

- Rotating angle: (180°)
- Lower weight and greater torque
- Installation dimensions and drilling patterns are nearly unchanged



BVD 1-16t

COMPARED TO THE BVC AT THE SAME OUTPUT:

- Lower space requirement
- Ideal fit for all commercially available quick couplers
- Regardless of the excavator hydraulics, thanks to directly connected load-holding valve
- Only available with a tilt angle of 180°

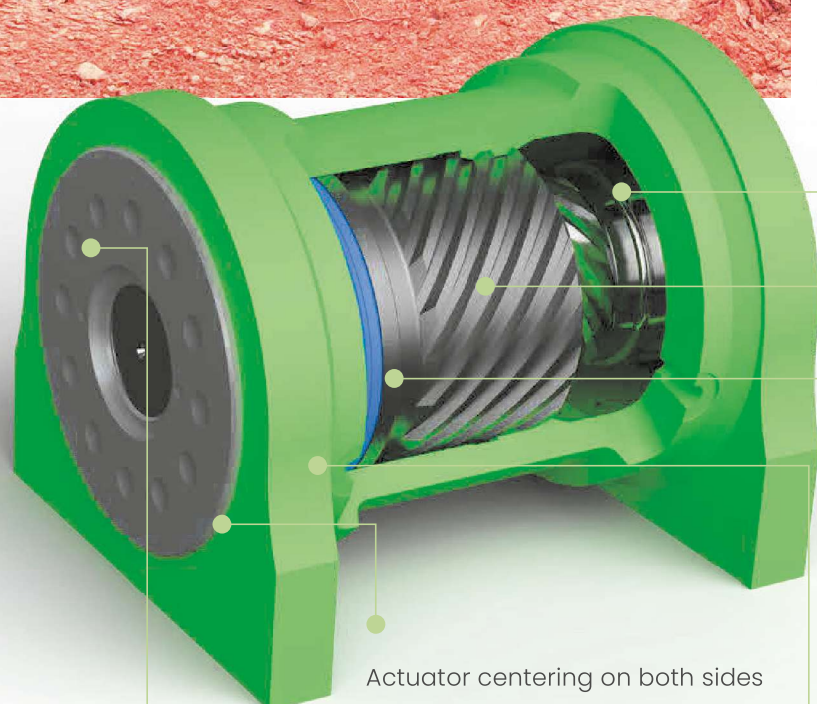


BVE 10-100t

- Operating pressure of up to 250 bar
- Designed for biologically degradable media (dual seals)
- Reinforced shaft

THE RIGHT CHOICE FOR HARSH EVERYDAY CONDITIONS

The compact **four-part construction** made from high-quality materials and its high-precision manufacturing make the XtraTilt the most robust rotary actuator in its class.



Shaft with mounting flange and friction bearings all in one

Ultimate precision manufacture of paired interleaving

Surface-hardened piston with guiding element

Actuator centering on both sides for optimum power distribution

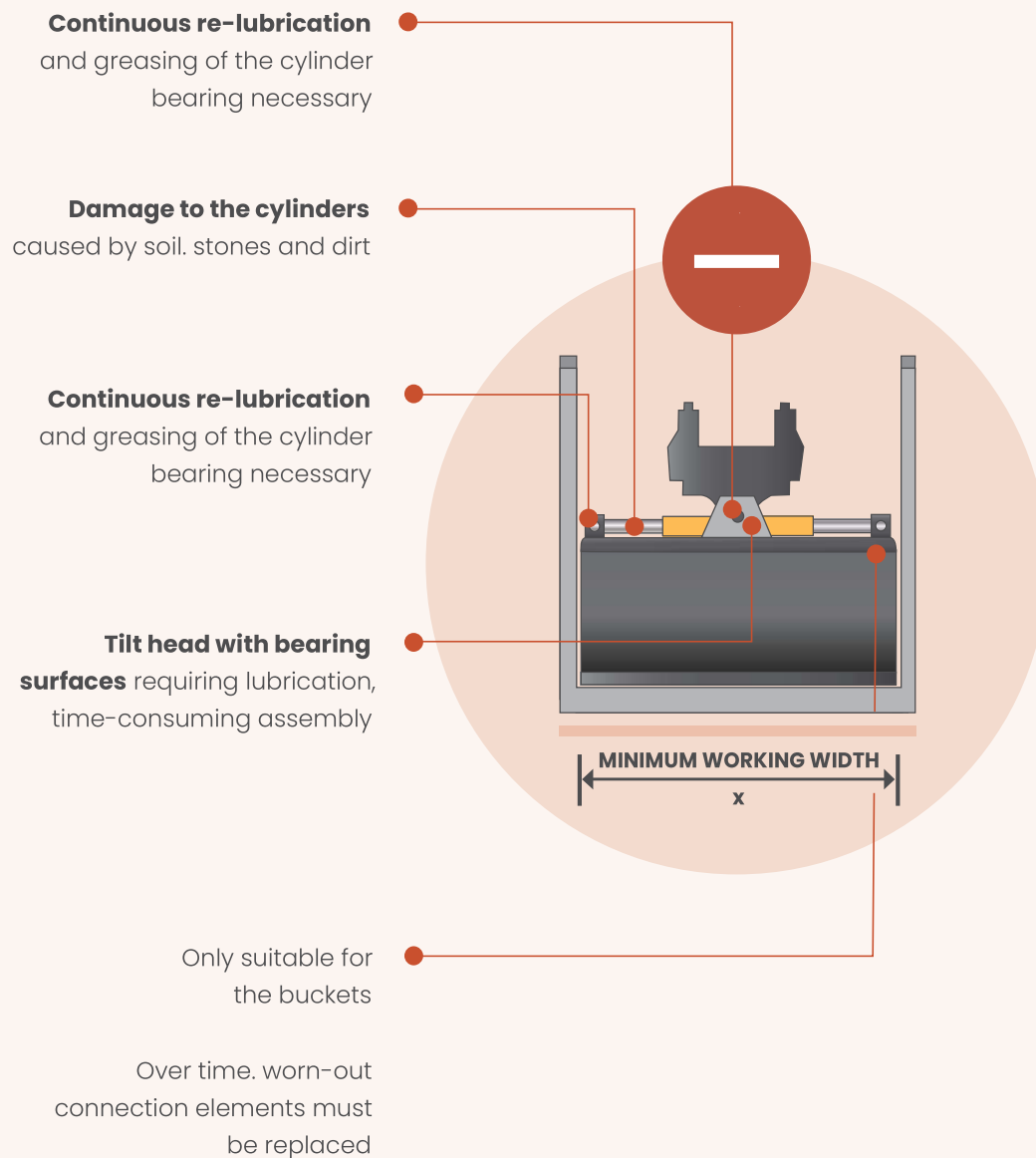
End flange with friction bearings.

fastening thread and special deflector on both sides – BVC 2.0 with enclosed wiper

Surface-hardened and corrosion-resistant housing

with screw or weld-type fastening on the feet

BUCKET WITH LINEAR CYLINDER



THE DIFFERENCES ARE IN THE DETAILS



HKS XTRATILT



Greater accessibility thanks to greater tilt angle of up to 2 x 90°

Durable, robust, protected, powerful

Compact – fits all buckets and tools

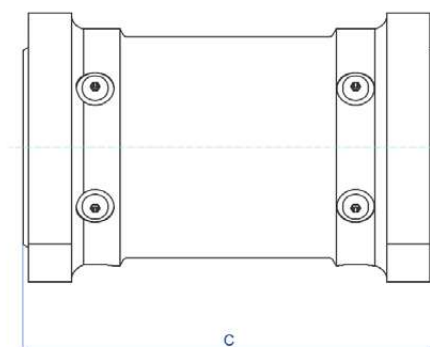
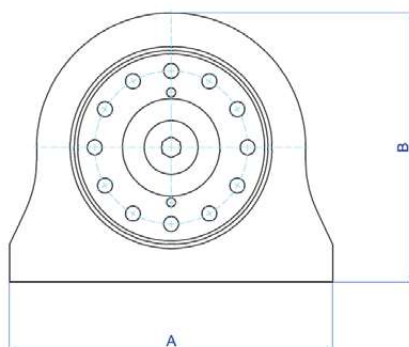
No maintenance means you save on service costs







TECHNICAL DRAWINGS



XTRATILT Size	240	250	260	270	290	300	350	400*	420*	450*
Excavator class (t)	11 - 16	15 - 23	22 - 26	25 - 29	28 - 34	28 - 38	37 - 50	48-60	58-70	68-100
XTRATILT BV series	E	E	E	E	E	E	E	E	E	E
Holding torque [Nm]	34.000	40.000	43.000	54.000	80.000	90.000	100.000	By request	By request	By request
Working pressure [bar]	250	250	250	250	250	250	250			
Tilt angle	100° 140° 180°	100° 140°	100° 140°	100° 140°	100° 140°	100° 140°	100° 140°			
Displacement [dm³]	1,851 2,591 3,331	1,777 2,486	3,29 3,519	3,765 4,115	4,239 6,01	5,742 6,277	7,969			
Weight [kg]	166 186 206	202 236	269 301	334 374	365 422	555 622	696	By request	By request	By request
A [mm]	390	412	450	492	490 492	570	608			
B [mm]	328	353	380	400	400 400	478	515			
C [mm]	354 412 470	368 430	420 482	460 534	534 642	540 612	565			

Further sizes and tilt angles available by request vertrieb@hks-partner.com
All weights exclude quick coupler and adapter to dipperstick connection.

Deliveries and services based solely on our Terms and Conditions.
Exact values for your specific actuator can be found in the respective technical drawings or operating instructions.

