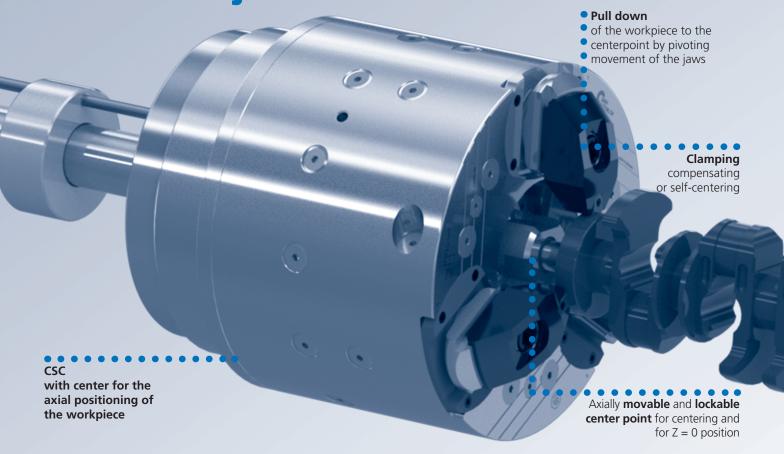
proofline® series fully sealed – low maintenance

Crank shaft chuck with retractable jaws





Step 1, loading of the workpiece:

- The centers are retracted
- The jaws are retracted and open



Step 2, create the Z = 0 position:

- The left center point moves forward to its end stop to create the Z = 0 position and is locked
- The jaws are retracted and open



Step 3, centering the workpiece:

the right center moves forward to center the workpiece between the 2 centers and is locked



Step 4, clamping the workpiece:

- The jaws move forward and clamp the work piece with a pull down effect
- The jaw carrier is locked

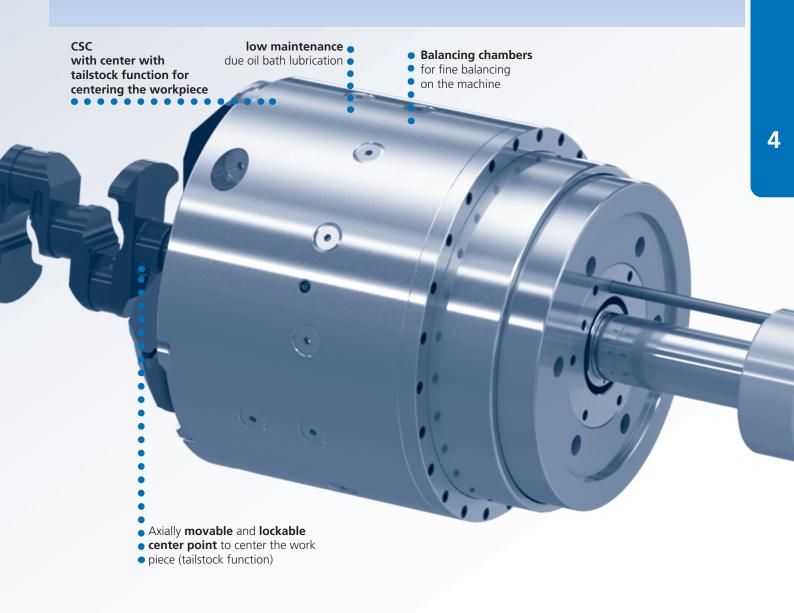
Pull down: The jaws of the CSC crankshaft chuck clamp inwards by means of a pivoting movement. This generates a pull-down movement in the Z axis - in the direction of the centering point. This pull-down movement prevents the crankshaft from being pushed off the center point and keeps the crankshaft exactly stable in the center axis. This guarantees high concentricity accuracies.

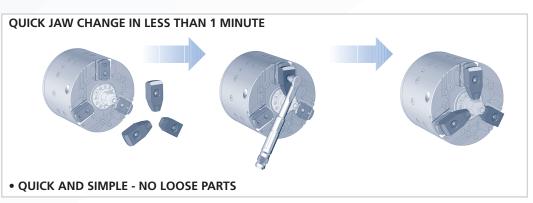
Sealing: The CSC crankshaft chuck is completely sealed and **protected against dirt and coolant**. This prevents inaccuracies, malfunctions and increased wear and makes the system **extremely reliable**.

Low Maintenance: The CSC crankshaft chuck is equipped with permanent oil bath lubrication. This allows continuous operation of the machine without regular interruptions for maintenance, which guarantees to increase machine availability.

Clamping: The centering point and the jaw carrier of the CSC crankshaft chuck are **hydraulically clamped in the clamping position**. This **increases the rigidity** of the clamping system and **reduces vibrations**. This is reflected in **improved workpiece quality** and **reduced tool wear**.

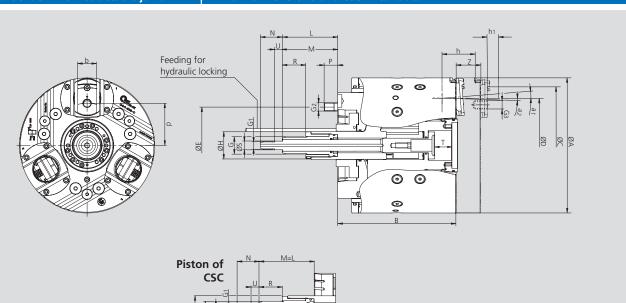
Balancing chambers: The CSC crankshaft chuck has radial **balancing chambers** on the outer diameter. By removing inserted balance weights **the system can be easily fine-balanced on the machine**.





Crank shaft chuck with retractable jaws

■ Main dimensions and technical data



Subject to technical changes.
For more detailed information please ask our customer service.

-AUTOBLOK Type nting outside dia. height nping position (radius)	A B C	CSC-260 A8 260	CSC-325 A8 260
outside dia. height	B C	260	
height	B C		260
	C	220	200
nping position (radius)		228	287
	_	R115	R115
lamping dia.	D	175	175
	Е	171.4	133.4
	G	M33 x 1.5	M33 x 1.5
	G1	M16	M16
	G2	M16	M16
	G3	M16 x 24	M16 x 24
	Н	54	54
od center point min. / max.	L	106.3 / 66.5	123 / 83
max.	M	106.5 / 36.4	123 / 43.8
	N	42	42
	Р	21	21
	R	45	45
	S _{f6}	16.5	16.5
dimension center insert	Т	33	33
	U	15	15
novement / jaw carrier	Z	53	53
stroke for jaw clamping	Z 1	17	17
ng / residual stroke angle	a1/a2	4.5° / 1.3°	4.5° / 1.3°
ng / residual stroke at distance h1	h1	4.5 / 1.3	4.5 / 1.3
aw stroke at distance h1	mm	5.8	5.8
ompensation / chuck (type C)	mm	± 1.0	± 1.0
	b	36	36
	d	78	78
nce height	h	57	57
ume horizontal use	1	0.50	0.50
peed*	r.p.m.	4000	4000
raw pull*	kN	55	55
ripping force at reference distance h*	kN	110	110
nt of inertia	kg·m²	0.606	0.606
t (without top jaws)	kg	70	70

^{*} With higher top jaws, the actuating force and thus the gripping force must be reduced. The maximum speed is reduced accordingly..

Crank shaft chuck Ø 260 - 325 mm

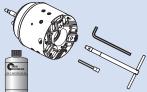
CSC

■ Ordering review

Crank shaft chuck with retractable jaws

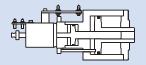
Supply range:

Compensating clamping (Type C) chuck with mounting bolts and mounting keys, oil



	Spindle mounting	CSC-260	CSC-325
	A6	-	-
1	A8	162600	-
	A11	-	-
	A15	-	-

Actuating cylinder



Double piston cylinder	W-215
DCN	125-30 / 87 / 40
ld. No.	046796

Centering inserts



Centering insert main and subspindle (without custom center point)		
CSC-260	CSC-325	
209285	5315643	

Oil



Oil for permanent oil bath lubrication		
Oil specification	CGLP ISO VG 68	
Contents	1 liter / 1.05 quart (U.S.)	
ld No	107950	