



**APPLICATION**

Simple clamping principle for external clamping of bars, pipes and shafts, as well as flange-type workpieces where the axial run-out errors of the workpiece have to be minimized.

**TYPE**

Collet pin system with cylindrical center mount.

**CUSTOMER BENEFITS**

- ③ Maximum plane-parallelism thanks to active draw-down using axially movable draw rod studs
- ③ Easy adaptation to various workpiece diameters thanks to interchangeable clamping inserts
- ③ Insensitive clamping system thanks to simple setup, allows machining at maximum speeds

**TECHNICAL FEATURES**

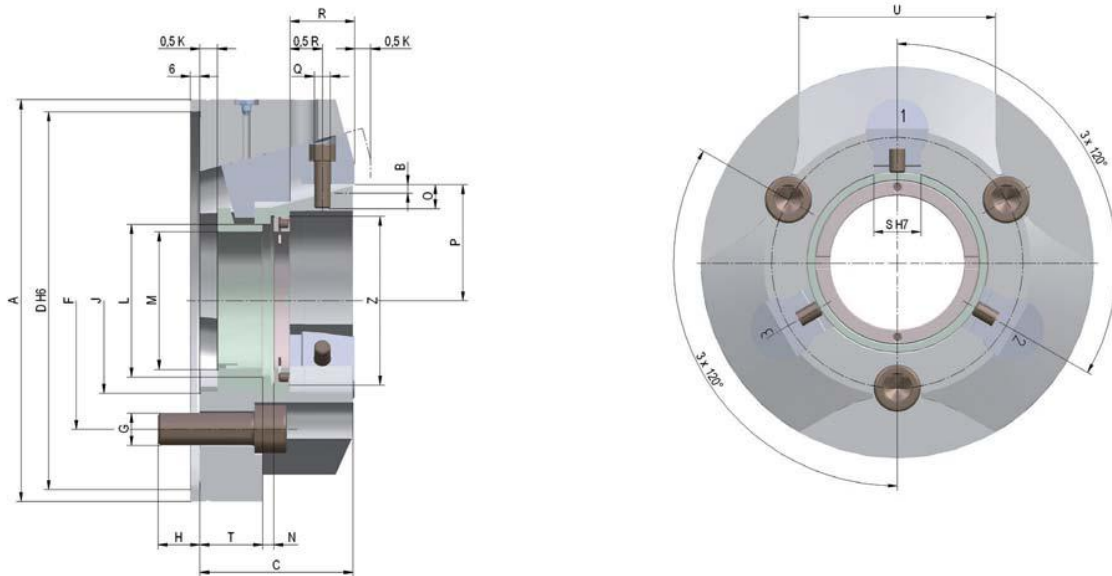
- Power transmission directly from the piston to the draw rod studs
- Clamping inserts hardened, adapted to the workpiece diameter



Power-operated draw bar chuck ZFM

**Special designs:**

E.g. power operated draw bar chuck ZFM, diameter 220 mm, with clamping inserts with chip flow grooves and threads, for work stops for clamping of aluminum flanges.



C 15 Power-operated draw bar chuck ZFM, with gripping inserts, cylindrical centre mount

Item no.	201980 ▲	201981 ▲	201982 ▲	201983 ▲
Size	160	200	250	315
A mm	160	200	250	315
Jaw travel B mm	5,3	5,3	5,3	5,3
C mm	75	82	95	105
DH6 mm	145	185	235	235
F mm	100	140	160	200
G	3 x M 12	3 x M 16	3 x M 20	3 x M 20
H mm	18	20	26	26
J mm	71	95	115	160
Wedge stroke K mm	20	20	20	20
L mm	52	72	95	136
M mm	45,5	65,5	85,5	125,5
N mm	7	7	7	7
O mm	12	15	15	15
P max.	48,15	64,65	74,65	101,65
P min.	42,85	59,35	69,35	96,35
Q mm	M 8	M 10	M 10	M 12
R mm	30	35	40	45
SH7 mm	24	30	30	35
T max.	40	40	48	53
T min.	20	20	28	33
U mm	60	85	125	125
Z	M 62 x 1,25	M 85 x 1,25	M 105 x 1,25	M 150 x 1,25
Maximum draw bar pull kN	25	35	45	50
Max. total clamping force approx. kN	46	66	84	90
Max. admissible speed min-1	8000	6300	5500	4200
Moment of inertia J kgm <sup>2</sup>	0,026	0,072	0,183	0,508
Weight without jaw inserts approx. kg	7,5	13	21	35
Chucking capacity mm	0-40	4-70	24-80	30-130
Actuating cylinders (recommended)	OVS-85/105	OVS-105	OVS-130	OVS-150

Power-operated draw bar chuck ZFM

C 21 Clamping Jaws, 3-jaw-set, prefabricated, can be hardened material: 16 MnCr 5



Chuck Size	3-jaw set	Jaw length mm	Jaw height mm	Jaw width mm
160	210007 ▲	42,7	30	24
200	210008 ▲	51,7	35	30
250	210009 ▲	61,7	45	30
315	210010 ▲	85,7	45	35