

THE NEW POWERGRIP SERIES

- With a large through-hole and high clamping force
- Available in sizes 6, 8, 10

WHY POWERGRIP SERIES?

Harmonised Technology

- Advantages of both products combined in one system

German Technology

- Proven functional principle with a wedge hook system.

Decades of Experience

- RÖHM has been a specialist in power clamping technology since 1909.

Technical Features

- Large through-hole, ideal for bar machining.
- High speed covers broad range of applications.
- High clamping force for secure machining.

Standardised Connection Dimensions

- Connection possible via short tapers or centring mount.

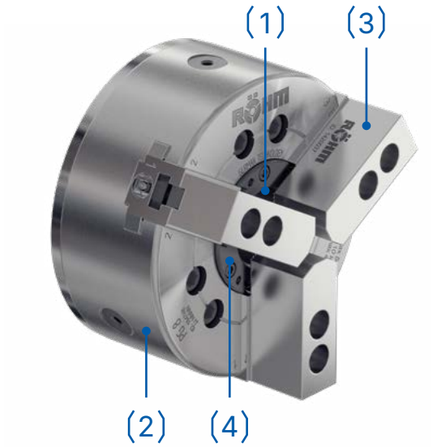


POWERGRIP – FOLLOWING THE PRINCIPLES OF THE LEGENDARY RÖHM PRODUCTS

The KFD-HE and SZS. From RÖHM.

Now, RÖHM presents the low-cost POWERGRIP series, which has its roots in the KFD-HE power chuck and the SZS clamping cylinder. High speeds, a large through-hole, as well as high clamping force distinguish the POWERGRIP series. Therefore, we named them after what they can do: POWERGRIP.

Constructive Features & Advantages

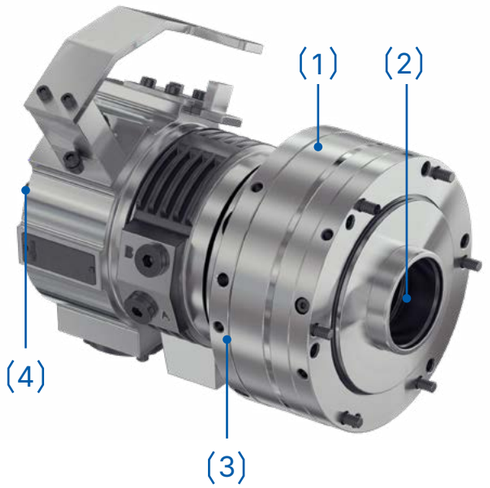


(1) Large through-hole. Optionally with chuck cover for sealing the through-hole.

(2) Standardised connection possible via short tapers or centring mount.

(3) Soft top jaws included with delivery.

(4) Centre sleeve prevents chips from penetrating into the interior of the chuck.



(1) Low rotating mass due to compact construction for lowest possible spindle load

(2) Large bar through-hole for flexible use

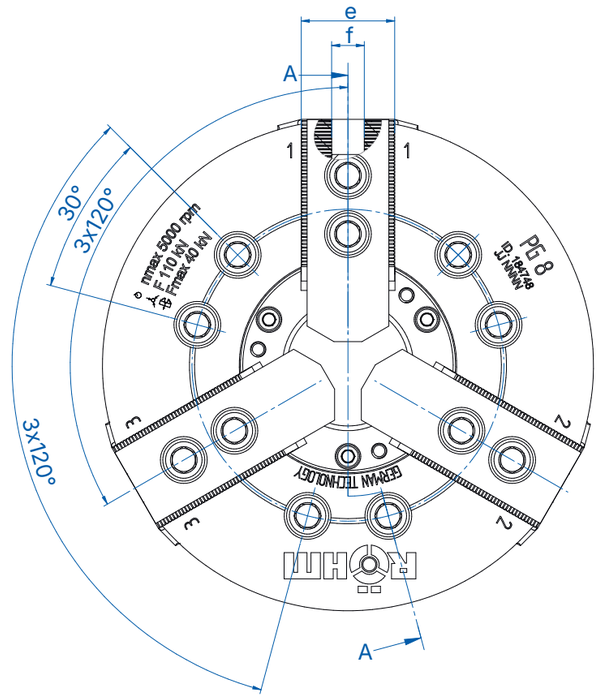
(3) Assurance of operating safety via the safety device

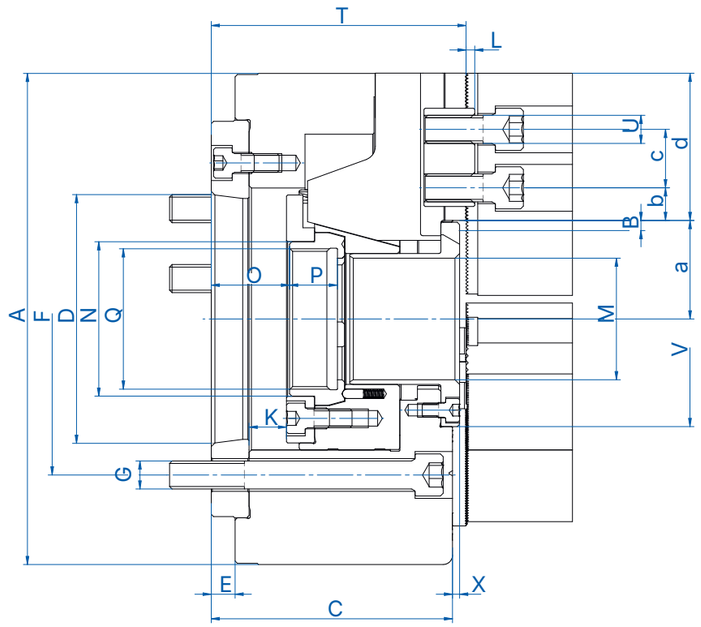
(4) Low oil leakage design

PG-E POWER CHUCKS

(WITH THROUGH-HOLE)

3-jaw PG-E power chuck with through-hole, cylindrical centring mount including short taper adapter				
Type		PG-E 6	PG-E 8	PG-E 10
ID number (1.5×60°)		**184766**	**184767**	**184768**
ID number (1/16×90°)		**184769**	**184770**	**184771**
A	mm	170	210	254
B (Stroke)	mm	3,2	4,3	5,1
C	mm	90,6	103,2	112,8
D (Short taper)		5	6	8
E	mm	15	16	18
F	mm	104,8	133,4	171,4
G	mm	6xM10	6xM12	6xM16
H	mm	15	18	24
K (Stroke)	mm	14	16	19
L	mm	3,5	3,4	3,5
M	mm	43	52	75
N	mm	57	66	94
O min.	mm	13	17,5	8,5
O max.	mm	27	33,5	27,5
P	mm	19	20,5	27
Q	mm	M53×2	M60×2	M85×2
T	mm	96,6	109,3	118,85
U	mm	M10	M12	M12
V	mm	74	92	125
X	mm	3	3	3
a min.	mm	34,8	37,7	50,9
a max.	mm	38	42	56
b min.	mm	4,5	7	8
c	mm	20	25	30
d	mm	47	63	71
e	mm	32	40	50
f	mm	12	14	16
Max. operating force	kN	25	40	60
Max. total clamping force	kN	75	110	160
Max. speed	rpm	6000	5000	4500
Moment of inertia	kgm²	0,053	0,14	0,323
Weigth without top jaw	kg	13,5	23,2	35,3

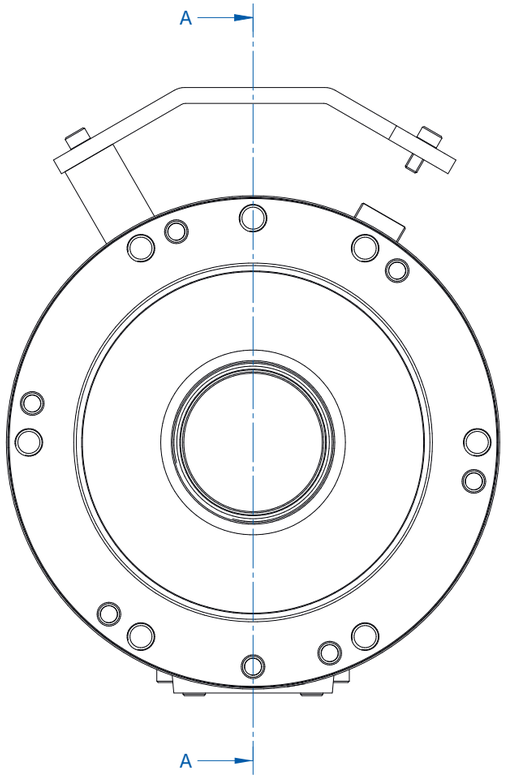


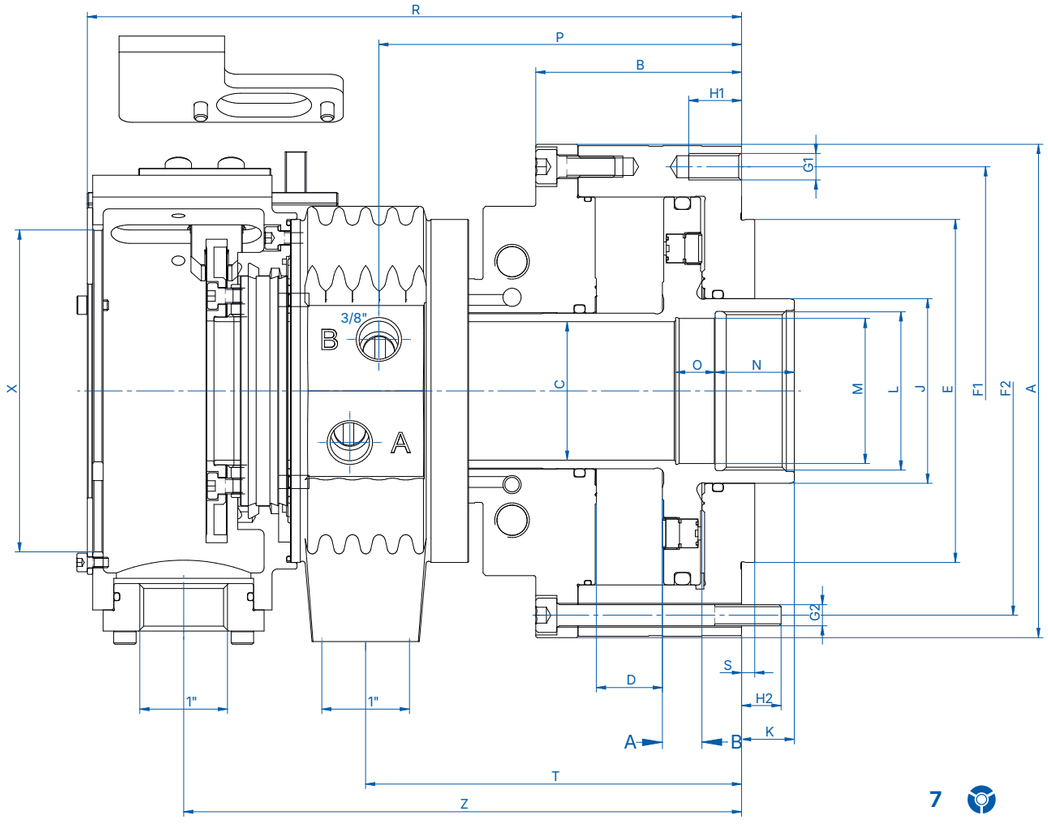


PGC-E HOLLOW CLAMPING CYLINDERS

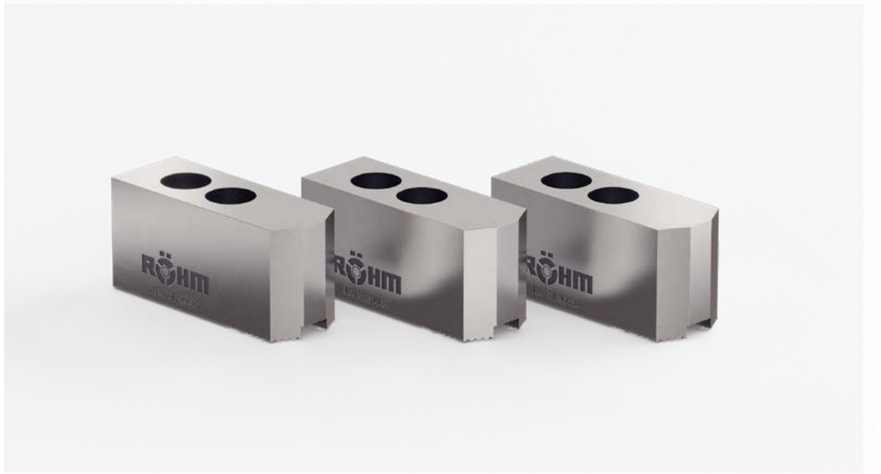
(HYDRAULICALLY ACTUATED)

Hydraulically actuated hollow clamping cylinder PGC-E with cylindrical centring mount				
Type		PG-EC 6	PG-EC 8	PG-EC 10
ID number		**443552**	**443553**	**443554**
Piston area a	cm²	109,8	142,4	184
Piston area b	cm²	102,5	131,2	170
Max. speed	rpm	7000	6300	5000
Weight	kg	14,9	16,5	25
A	mm	165	187	215
B	mm	87	78	88
C	mm	46,5	52,5	77
D (Stroke)	mm	20	25	30
E	mm	100	130	160
F1	mm	130	170	190
G1	mm	M10	M10	M10
H1	mm	18	20	20
F2	mm	147	170	195
G2	mm	M8	M8	M10
H2	mm	12	15	16
J	mm	61	70	95
K	mm	15	20	25
L	mm	M55×2	M60×2	M85×2
M	mm	50	55	80
N	mm	30	30	35
O	mm	15	15	15
P	mm	146,5	137,5	158
R	mm	257	248	289
S	mm	5	5	8
T	mm	151,5	142,5	162,75
X	mm	122	122	145
Z	mm	220,5	211,5	246
Max. hydr. pressure	bar	45	45	45
Min. hydr. pressure	bar	8	8	8
Max. leakage oil	l/min	3	3,5	4,5
Hydraulic connection		G3/8	G3/8	G3/8
Connection leakage oil		G1	G1	G1
Connection coolant		G1	G1	G1





JAWS AND ACCESSORIES



Soft top jaws, set of 3 jaws			
Suitable for type	PG-E 6	PG-E 8	PG-E 10
ID number	**1339943**	**1339944**	**1339945**
Length	72	95	110
Width	31	37	44
Hight	31.5	37.5	44.5

T-nuts, 1 set [3 pieces]			
Suitable for type	PG-E 6	PG-E 8	PG-E 10
ID number	**1339948**	**1339949**	**1339950**

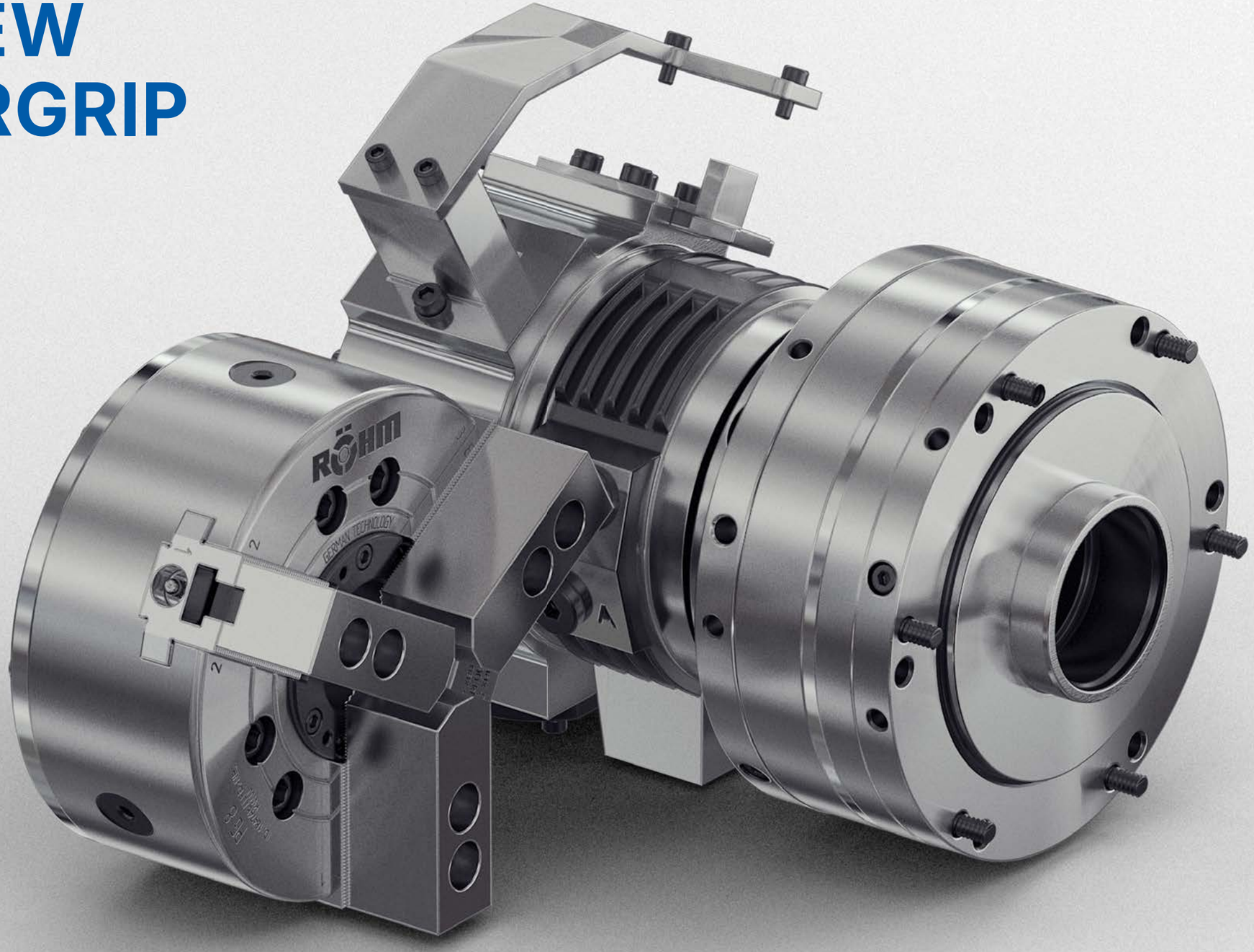
Centre sleve			
Suitable for type	PG-E 6	PG-E 8	PG-E 10
ID number	**1339951**	**1339952**	**1339953**

Chuck cover			
Suitable for type	PG-E 6	PG-E 8	PG-E 10
ID number	**1339954**	**1339955**	**1339956**

Cylinder sealing set			
Suitable for type	PGC-E 6	PGC-E 8	PGC-E 10
ID number	**1339957**	**1339958**	**1339959**

For Your Notes

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