



APPLICATION

Premium power chucks with through-hole for maximum speeds and optimized centrifugal forces.

TYPE

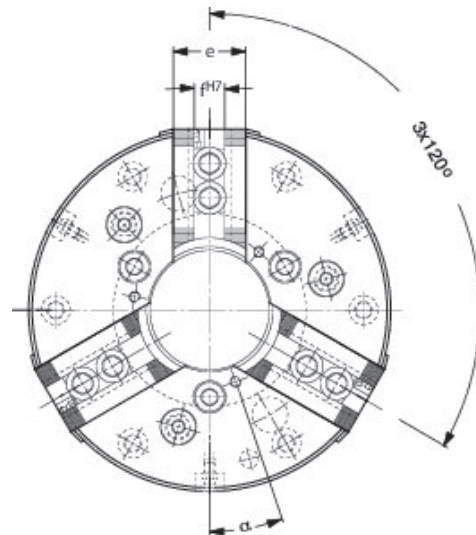
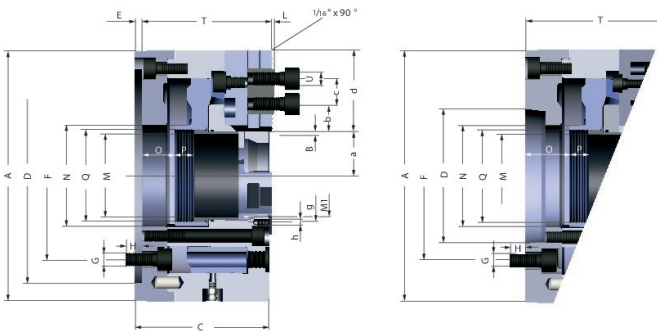
Power chuck available with cylindrical centre mount or short taper mount.
3-jaw version with serration 90° or tongue and groove.
2-jaw version with serration (90°).

CUSTOMER BENEFITS

- ③ Low centrifugal force losses and high Speeds thanks to special wedge hook system with annular piston
- ③ Larger than average through-hole for wide range of workpieces
- ③ Maximum precision thanks to rigid chuck construction
- ③ If necessary quick conversion to a different spindle nose by simple exchanging the centering adapter

TECHNICAL FEATURES

- Universal construction of the piston connection (piston does not project into the spindle bore area, even with the piston position moved back)
- Long jaw guide
- Clamping inserts can be used for bar machining (special version)
- **Included in the scope of delivery:** Chuck, chuck and jaw mounting screws, mounting wrench, slot nuts (without top jaws)



C 15 3 jaw power chuck KFD-HS, with tightening thread, serration 90° Cylindrical center mount, connection dimensions in acc. with DIN 6353/short taper mount (KK) for ISO 702-1 (DIN 55026/55021)

Item no.	149406	144258	143692	144259	143888	144260	161725 ▲	144261 ▲	144262 ▲
Size	110	140	160	175	200	250	250	315	315
Number of jaws	3	3	3	3	3	3	3	3	3
A mm	110	140	160	175	200	250	250	315	315
Stroke per jaw B mm	3.2	3.2	4	4	5	6.2	6.2	6.2	6.2
C mm	78	88	102	102	107	128	128	128	139
Mount D	ZA 60	ZA 120	ZA 140	ZA 140	ZA 170	ZA 220	ZA 170	ZA 220	ZA 300
E mm	6	6	6	6	6	6	6	6	6
F mm	82.6	104.8	104.8	104.8	133.4	171.4	133.4	171.4	235
G	3xM10	3xM10	3xM10	3xM10	3xM12	3xM16	3xM12	3xM16	3xM20
H mm	14	15	15	15	18	24	16	24	30
Piston stroke K mm	12	12	15	15	18,5	23	23	23	23
L mm	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
M max. mm	26	37	46	56	66	86	66	86	108
M1H7 mm	32	37	46	56	66	94	94	94	115
N mm	38	48	58	68	80	99	110	99	126
O min.	-1	5	6	6	7,5	-6	0	-6	-9
O max.	11	17	21	21	26	17	23	17	14

¹⁾ ISO 702-1 (DIN 55026) only (DIN 55021 on request)

KFD-HS

Item no.	149406	144258	143692	144259	143888	144260	161725 ▲	144261 ▲	144262 ▲
P mm	12	14	16	16	15	25	19	25	25
Q mm	M34x1,5	M44x1,5	M54x1,5	M65x1,5	M74x1,5	M94x1,5	M74x1,5	M94x1,5	M120x1,5
T mm	80	84	98	98	103	124	124	124	135
U mm	M8	M6	M8	M8	M12	M12	M12	M16	M16
W mm						74	74	74	85
a min.	10,8	16,8	24	29	35	43,8	43,8	43,8	54,8
a max.	14	20	28	33	40	50	50	50	61
b min.	3	0	0	0	8,5	6	6	10,5	10,5
b max.	23	26	22	24,5	32,5	47,5	47,5	72	61
c mm	15	2x12	2x15	2x15	19	19	19	25	25
d mm	41	50	52	54,5	60	75	75	107,5	96,5
e mm	24	25	32	32	40	50	50	50	50
f ^{H7} -0,025 mm	10	10	12	12	17	17	17	21	21
g mm	50	68	76	76	84	108	108	108	136
h	M5x8	M5x8	M6x10	M6x10	M6x10	M6x10	M6x10	M6x10	M8x12
α	0°	22° 30'	20°	20°	20°	0°	15°	0°	0°
Max. swing top jaws mm	113	180	195	210	250	305	305	380	380
Maximum actuating force kN	18	25	35	40	48	65	65	80	80
Max. total clamping force kN	48	70	86	95	110	150	150	180	180
Max. RPM min ⁻¹	8500	8000	8000	7000	6500	5000	5000	4200	4200
Moment of inertia J kgm ²	0,007	0,022	0,0415	0,057	0,1	0,35	0,35	0,74	0,74
Weight without jaws approx. kg	5	9	12	15	20	40	40	56	56
Actuating cylinders (recommended)	OVS-85 / SZS-37/70	OVS-105 / SZS-37/70	OVS-105 / SZS-46/103	OVS-105 / SZS-52/130	OVS-130 / SZS-67/150	OVS-150 / SZS-86/200	OVS-150 / SZS-67/150	OVS-200 / SZS-86/200	OVS-200 / SZS-110/250

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