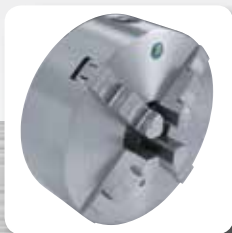


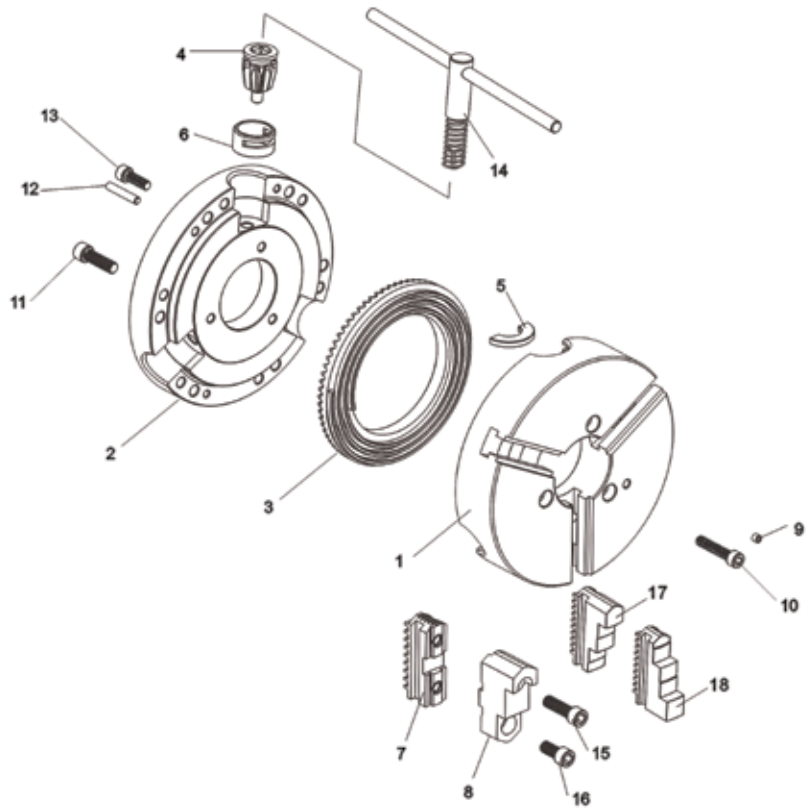
LATHE CHUCKS AND ACCESSORIES INDEPENDENT CHUCKS / FLANGE



PS 3
PO 3
PS 4
PO 4
DK 11
DK 12
K72
FL
FLD

Structure self centering chuck / steel

1. Chuck body
2. Back cover
3. Scroll plate
4. Pinion
5. Pinion half ring
6. Pinion sleeve
7. Hard master jaw
8. Hard top jaw
9. Grease nipple
10. Back cover mounting bolts
11. Chuck mounting bolt
12. Spindle locating pin
13. Back cover mounting bolts
14. Chuck wrench
15. & 16. Hard top jaw mounting bolts
17. Hard solide outside jaws
18. Hard solide inside jaws



Chuck body

- made of steel, forged, hardened and ground

Scroll plate

- made of alloy steel, forged and hardened
- thread flanks ground on both sides

Pinion

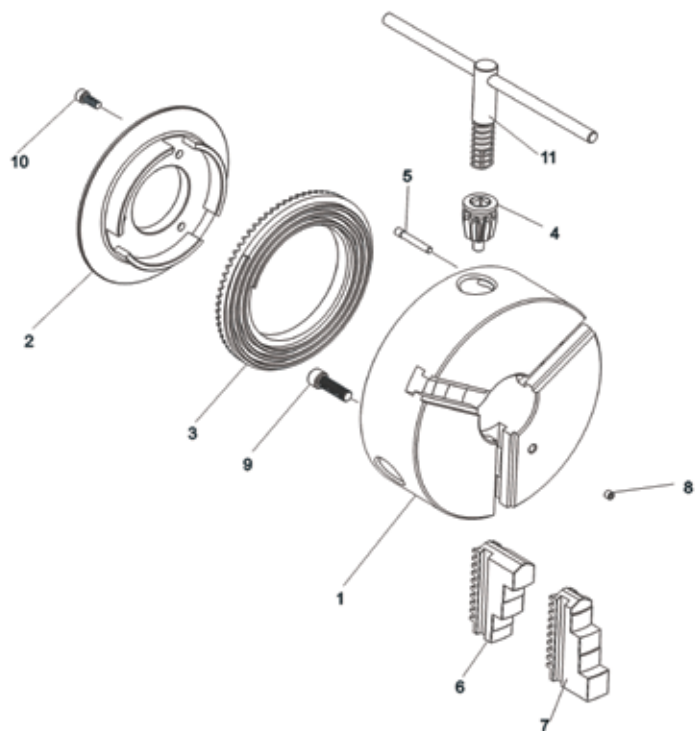
- made of alloy steel, hardened and ground

Jaws

- out of high-quality alloy steel
- hardened and ground guiding, gearing and surface

Structure self centering chuck / cast iron

1. Chuck body
2. Back cover
3. Scroll plate
4. Pinion
5. Pinion half ring
6. Pinion sleeve
7. Bohrbacke
8. Drehbacke
9. Grease nipple
10. Back cover mounting bolts
11. Chuck wrench



Chuck body

- made of cast iron, ground

Scroll plate

- made of alloy steel, forged and hardened
- thread flanks ground on both sides

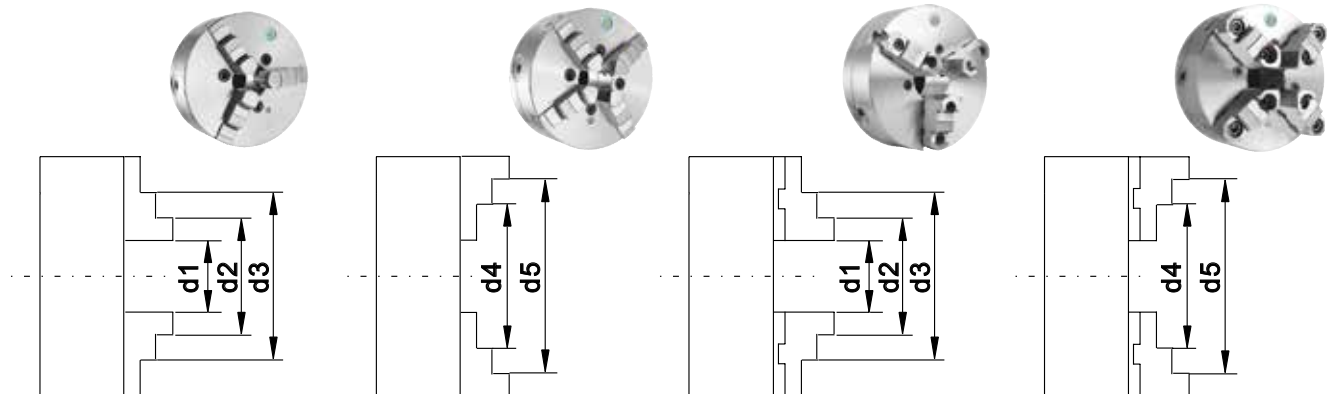
Pinion

- made of alloy steel, hardened and ground

Jaws

- made of high-quality alloy steel
- hardened and ground guiding, gearing and surface

Clamping range for lathe chucks - PS3 / PS4 / PO3 / PO4 and DK11 / DK12

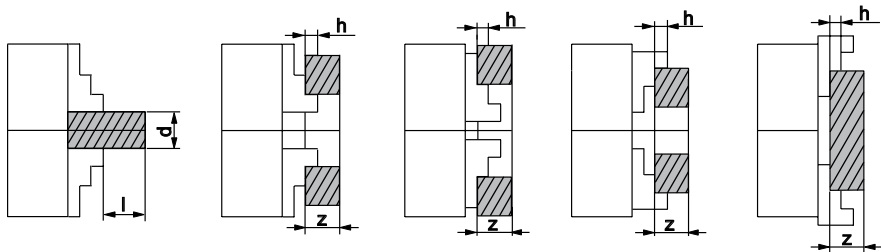


mm

Chuck size		80	100	125	160	200	250	315	400	500	630	800
d1	solid*	2-27	3-33	3-50	3-64	4-90	5-118	10-131	10-180	20-235	30-335	150-482
d1	reversible**	-	-	3-50	3-64	4-90	5-118	10-131	10-180	20-235	30-335	150-482
d2	solid	22-46	25-56	34-74	42-100	52-135	62-174	78-200	85-252	120-335	160-465	282-614
d2	reversible	-	-	34-76	42-97	50-130	58-165	65-182	72-228	120-410	140-590	252-736
d3 max.	solid	45-69	56-87	72-115	94-154	120-202	145-256	172-299	210-380	245-476	325-630	448-780
d3 max.	reversible	-	-	77-118	88-146	105-190	125-235	145-265	165-329	200-485	210-665	328-812
d4 max.	solid	25-50	32-62	39-83	50-107	60-145	77-188	90-215	103-272	140-357	180-487	302-634
d4 max.	reversible	-	-	52-96	62-121	72-156	86-197	103-226	127-294	110-400	120-570	240-724
d5 max.	solid	48-71	62-83	80-125	98-160	130-200	160-250	190-315	230-400	276-500	345-630	468-800
d5 max.	reversible	-	-	95-125	115-160	133-200	160-250	190-315	230-400	190-500	200-630	316-800

* Solid jaws ** 2-pieces jaws

Terms for safe use



1. l, z = Max. workpiece length / width
2. d = Workpiece diameter
3. h = Height of jaw step
4. Workpiece is fixed without any additional clamping components (e.g. rest..)

Chuck size	80	100	125	160	200	250	315	400	500	630	800
Workpiece dimension											
l	1,2 x d	1,2 x d	1,2 x d	1,2 x d	1,2 x d	1,2 x d	1,5 x d	1,5 x d	1,5 x d	1,0 x d	1,0 x d
z	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h	4 x h
Max. gripping force											
daN	1000	1700	2400	3100	3700	4600	5500	6500	7200	8000	9000
Max. speed (min⁻¹)											
Chuck cast iron (PS)	4000	3500	3200	3000	2500	2000	1500	1000	700	500	300
Chuck steel (PO)	6000	5200	4800	4500	4000	3500	2800	2000	1200	1000	450
Chuck cast iron (DK)	4000	3500	3000	2500	2000	1600	1200	1000	800	800	300
Unbalance lathe chuck steel											
gcm	11	16	23	32	45	63	90	140	300	640	-

Centre mount according DIN 6350, cast iron

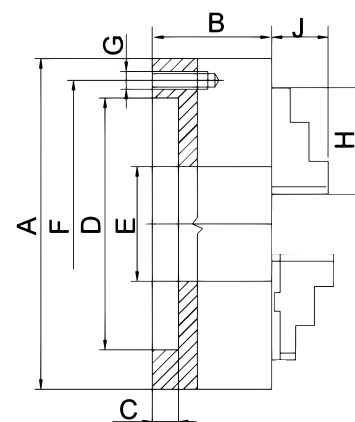


Execution:

- Standard-3-jaw chuck with high-quality cast iron body
- With centre mount according to DIN 6350
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for turning lathe and grinding machines
- For use on machines with increased concentricity



A - chuck size	100	125	160	200	250
B	50 mm	56 mm	64,5 mm	75 mm	85 mm
C	3 mm	4 mm	4 mm	4 mm	5 mm
D	70 mm	95 mm	125 mm	160 mm	200 mm
E	20 mm	32 mm	42 mm	55 mm	76 mm
F	83 mm	108 mm	140 mm	176 mm	224 mm
G	M8	M8	M10	M10	M12
H	42 mm	51 mm	70 mm	85 mm	105 mm
J	17 mm	20 mm	32 mm	29 mm	34 mm
Max. speed	3500 rpm	3200 rpm	3000 rpm	2500 rpm	2000 rpm
Weight approx.	2,8 kg	5 kg	10 kg	17,5 kg	29 kg
Art. no.	21-1001F	21-1002F	21-1003F	21-1004F	21-1005F
Price excl. VAT					

A- chuck size	315	400	500	630
B	94 mm	105 mm	120 mm	135 mm
C	5 mm	5 mm	5 mm	7 mm
D	260 mm	330 mm	420 mm	545 mm
E	103 mm	136 mm	190 mm	252 mm
F	286 mm	362 mm	458 mm	586 mm
G	M16	M16	M16	M16
H	125 mm	145 mm	180 mm	225 mm
J	43 mm	55 mm	60 mm	70 mm
Max. speed	1500 rpm	1000 rpm	700 rpm	500 rpm
Weight approx.	50 kg	85 kg	145 kg	250 kg
Art. no.	21-1006F	21-1007F	21-1008F	21-1009F
Price excl. VAT				

Standard accessories			Optional accessories				
	1 set hard inside solid jaws U-PS3	1 set hard outside solid jaws OJ-PS3		Hard master jaws MJ-PS3	Reversible top jaws TJ-PS3	Soft solid jaws SJ-PS3	Soft top jaws STJ-PS3

Spare parts see page 12-13

According to DIN 55029, cast iron

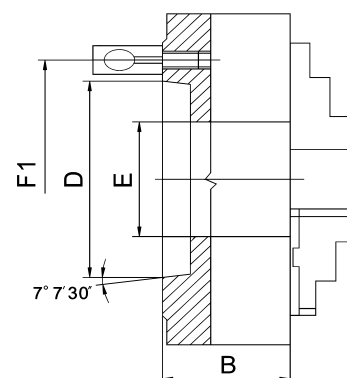


Execution:

- Standard-3-jaw chuck with high-quality cast iron body
- With Camlock direkt mounting according to DIN 55029
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for conventional turning lathes
- For use on machines with increased concentricity



Chuck size	125/D4	160/D4	160/D5	200/D4	200/D5	200/D6	250/D5	250/D6
Diameter	125 mm	160 mm	160 mm	200 mm	200 mm	200 mm	250 mm	250 mm
Taper	4	4	5	4	5	6	5	6
B	70 mm	81,5 mm	81,5 mm	91 mm	91 mm	91 mm	103,5 mm	103,5 mm
D (max.)	63,526 mm	63,526 mm	82,578 mm	63,526 mm	82,578 mm	106,390 mm	82,578 mm	106,390 mm
E	32 mm	42 mm	42 mm	55 mm	55 mm	55 mm	76 mm	76 mm
F1	82,6 mm	82,6 mm	104,8 mm	82,6 mm	104,8 mm	133,4 mm	104,8 mm	133,4 mm
Camlock stud	3	3	6	3	6	6	6	6
Max. speed	3200 rpm	3000 rpm	3000 rpm	2500 rpm	2500 rpm	2500 rpm	2000 rpm	2000 rpm
Weight approx.	5 kg	9 kg	9 kg	19 kg	19 kg	19 kg	32 kg	32 kg
Art. no.	21-1051F	21-1052F	21-1053F	21-1054F	21-1054F1	21-1055F	21-1055F1	21-1056F
Price excl. VAT								

Chuck size	250/D8	315/D6	315/D8	315/D11	400/D8	400/D11	500/D8	500/D11
Diameter	250 mm	315 mm	315 mm	315 mm	400 mm	400 mm	500 mm	500 mm
Taper	8	6	8	11	8	11	8	11
B	103,5 mm	117,7 mm	117,7 mm	125 mm	128,5 mm	128,5 mm	46 mm	146 mm
D (max.)	139,734 mm	106,390 mm	139,734 mm	196,887 mm	139,734 mm	196,887 mm	139,734 mm	196,887 mm
E	76 mm	103 mm	103 mm	103 mm	136 mm	136 mm	136 mm	190 mm
F1	171,4 mm	133,4 mm	171,4 mm	235 mm	171,4 mm	235 mm	171,4 mm	235 mm
Camlock stud	6	6	6	6	6	6	6	6
Max. speed	2000 rpm	1500 rpm	1500 rpm	1500 rpm	1000 rpm	1000 rpm	700 rpm	700 rpm
Weight approx.	32 kg	51 kg	51 kg	51 kg	101 kg	101 kg	150 kg	150 kg
Art. no.	21-1057F	21-1057F1	21-1058F	21-1059F	21-1060F	21-1061F	21-1062F	21-1063F
Price excl. VAT								

Standard accessories	Optional accessories
 1 set hard inside solid jaws IJ-PS3	 1 set hard outside solid jaws OJ-PS3
 Hard master jaws MJ-PS3	 Reversible top jaws TJ-PS3
 Soft solid jaws SJ-PS3	 Soft top jaws STJ-PS3

Spare parts see page 12-13

Centre mount according DIN 6350, steel

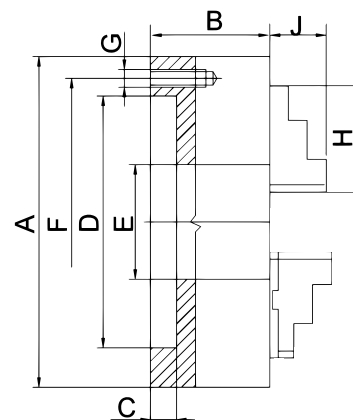


Execution:

- Precision 3-jaw chuck
- With centre mount according to DIN 6350
- Steel-design for higher speeds and longer life span
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for turning lathe and grinding machines
- For use on machines with increased concentricity



A - chuck size	80	100	125	160	200
B	44 mm	50 mm	59,5 mm	68 mm	78 mm
C	3 mm	3 mm	4 mm	4 mm	4 mm
D	56 mm	70 mm	95 mm	125 mm	160 mm
E	16 mm	20 mm	35,5 mm	42 mm	55 mm
F	67 mm	83 mm	108 mm	140 mm	176 mm
G	M6	M8	M8	M10	M10
H	32 mm	42 mm	51 mm	70 mm	85 mm
J	13 mm	17 mm	20 mm	32 mm	29 mm
Max. speed	6000 rpm	5200 rpm	4800 rpm	4500 rpm	4000 rpm
Weight approx.	1,5 kg	2,8 kg	5 kg	10 kg	17,5 kg
Art. no.	21-1011F	21-1012F	21-1013F	21-1014F	21-1015F
Price excl. VAT					

A - chuck size	250	315	400	500	630
B	89 mm	96,2 mm	108 mm	119 mm	129 mm
C	5 mm	5 mm	5 mm	5 mm	7 mm
D	200 mm	260 mm	330 mm	420 mm	545 mm
E	76 mm	103 mm	136 mm	190 mm	252 mm
F	224 mm	286 mm	362 mm	458 mm	586 mm
G	M12	M16	M16	M16	M16
H	105 mm	125 mm	145 mm	180 mm	225 mm
J	34 mm	43 mm	55 mm	60 mm	70 mm
Max. speed	3500 rpm	2800 rpm	2000 rpm	1200 rpm	1000 rpm
Weight approx.	29 kg	50 kg	85 kg	145 kg	250 kg
Art. no.	21-1016F	21-1017F	21-1018F	21-1018F1	21-1018F2
Price excl. VAT					

Standard accessories			Optional accessories				
	1 set hard inside solid jaws U-PS3	1 set hard outside solid jaws OJ-PS3		Hard master jaws MJ-PS3	Reversible top jaws TJ-PS3	Soft solid jaws SJ-PS3	Soft top jaws STJ-PS3

Spare parts see page 12-13

According to DIN 55029, steel

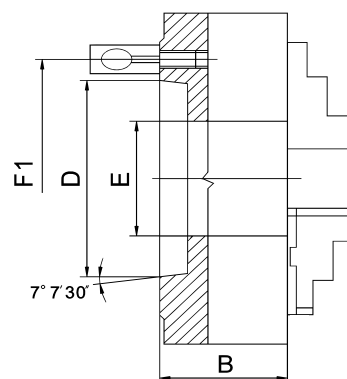


Execution:

- Precision 3-jaw chuck
- With Camlock direct mount according to DIN 55029
- Steel-design for higher speeds and longer life span
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for conventional turning lathes
- For use on machines with increased concentricity



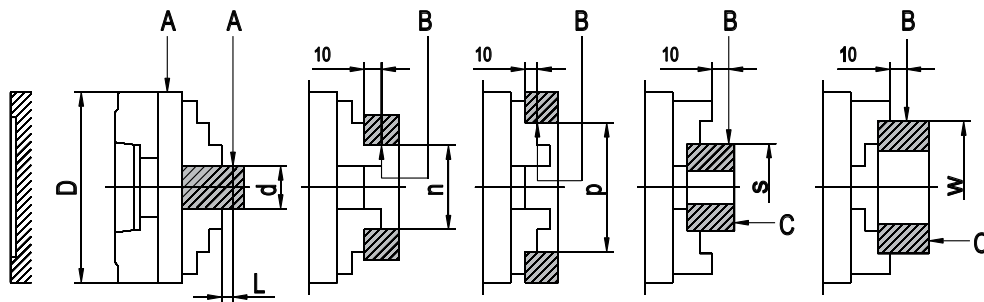
Chuck size	125/D3	125/D4	160/D4	160/D5	200/D5	200/D6	250/D6	250/D8
Diameter	125 mm	125 mm	160 mm	160 mm	200 mm	200 mm	250 mm	250 mm
Taper	3	4	4	5	5	6	6	8
B	59,5 mm	59,5 mm	68 mm	68 mm	78 mm	78 mm	89 mm	89 mm
D (max.)	53,988 mm	63,526 mm	63,526 mm	82,578 mm	82,578 mm	106,390 mm	106,390 mm	139,734 mm
E	32 mm	32 mm	42 mm	42 mm	55 mm	55 mm	76 mm	76 mm
F1	70,6 mm	82,6 mm	82,6 mm	104,8 mm	104,8 mm	133,4 mm	133,4 mm	171,4 mm
Camlock stud	3	3	3	6	6	6	6	6
Max. speed	4800 rpm	4800 rpm	4500 rpm	4500 rpm	4000 rpm	4000 rpm	3500 rpm	3500 rpm
Weight approx.	5 kg	5 kg	9 kg	9 kg	19 kg	19 kg	32 kg	32 kg
Art. no.	21-1036F	21-1037F	21-1039F	21-1040F	21-1042F	21-1043F	21-1044F	21-1045F
Price excl. VAT								

Chuck size	315/D6	315/D8	315/D11	400/D8	400/D11	500/D8	500/D11
Diameter	315 mm	315 mm	315 mm	400 mm	400 mm	500 mm	500 mm
Taper	6	8	11	8	11	8	11
B	96,2 mm	96,2 mm	117,7 mm	108 mm	108 mm	119 mm	119 mm
D (max.)	106,390 mm	139,734 mm	196,887 mm	139,734 mm	196,887 mm	139,734 mm	196,887 mm
E	103 mm	103 mm	103 mm	136 mm	136 mm	136 mm	190 mm
F1	133,4 mm	171,4 mm	235 mm	171,4 mm	235 mm	171,4 mm	235 mm
Camlock stud	6	6	6	6	6	6	6
Max. speed	2800 rpm	2800 rpm	2800 rpm	2000 rpm	2000 rpm	1200 rpm	1200 rpm
Weight approx.	51 kg	51 kg	51 kg	101 kg	101 kg	150 kg	150 kg
Art. no.	21-1046F	21-1047F	21-1048F	21-1049F	21-1050F	21-1050F1	21-1050F2
Price excl. VAT							

Standard accessories			Optional accessories				
	1 set hard inside solid jaws IJ-PS3	1 set hard outside solid jaws OJ-PS3		Hard master jaws MJ-PS3	Reversible top jaws TJ-PS3	Soft solid jaws SJ-PS3	Soft top jaws STJ-PS3

Spare parts see page 12-13

Concentricity of lathe chucks

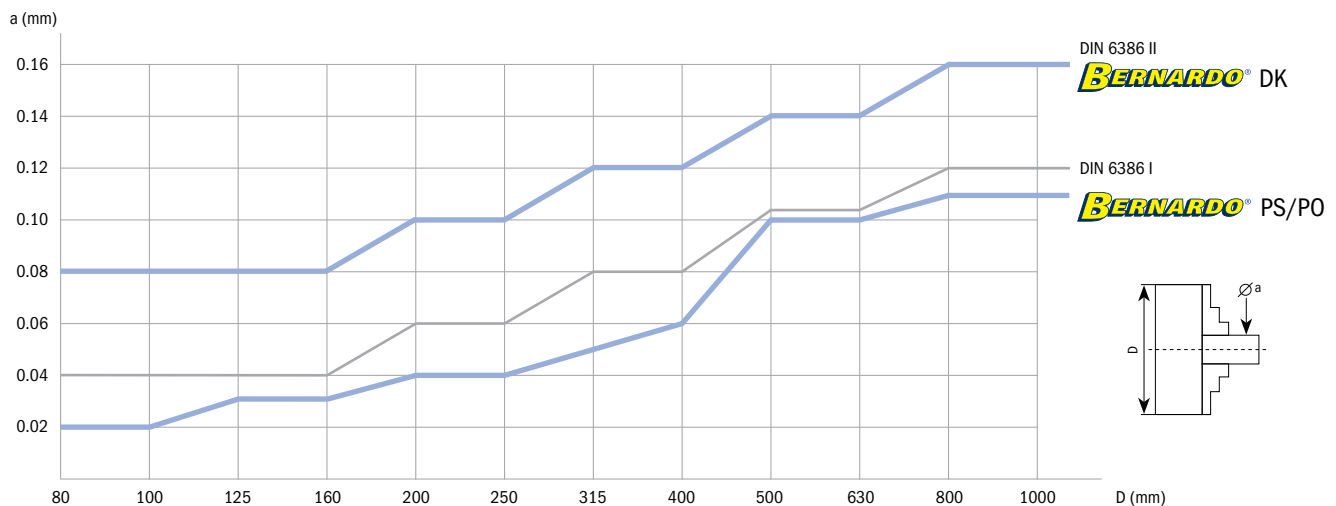


Take care at measuring:

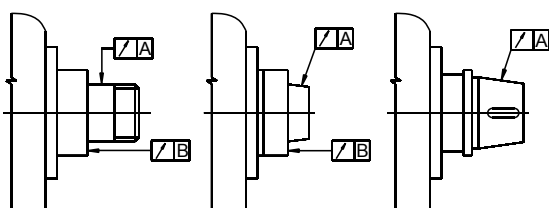
1. The concentricity of the machine spindle (see table below)
2. Correct mounting of the chuck on the spindle nose

- = workpiece
- Maximal inbalance (A, B, C) at jaw openings d1, d2 und d3

Chuck size	80	100	125	160	200	250	315	400	500	630	800
d1	10	10	18	18	30	30	53	53	75	75	160
d2	-	14	25	30	40	53	75	100	100	125	200
d3	14	18	30	40	53	75	100	125	125	160	250
L	40	40	60	60	80	80	120	120	160	160	160
n	40	40	50	50	80	80	125	125	200	200	325
p	60	75	100	135	162	200	252	282	282	325	500
s	35	50	62	88	96	150	210	250	300	400	400
w	63	80	100	100	160	160	250	250	400	400	500
A+B Radial runout PS/PO	0,02	0,02	0,03	0,03	0,04	0,04	0,05	0,06	0,10	0,10	0,11
C Axial runout PS/PO	0,015	0,015	0,02	0,02	0,025	0,025	0,03	0,03	0,05	0,05	0,06
A+B Radial runout DK	0,08	0,08	0,08	0,08	0,08	0,08	0,12	0,12	0,14	0,14	0,16
C Axial runout DK	0,03	0,03	0,03	0,03	0,03	0,03	0,04	0,04	0,05	0,05	0,06



Requirements for compliance the above mentioned concentricity



- Correct mounting of the lathe chuck on the spindle nose
- The concentricity of the spindle nose must be in accordance to the right data

	Diameter	Concentricity
PO	80-400	0,003
	500-630	0,005
PS, DK	80-160	0,003
	200-800	0,005

Centre mount according to DIN 6350, cast iron

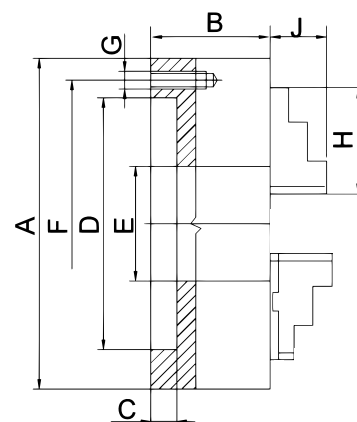


Execution:

- Standard 4-jaw chuck with high-quality cast iron body
- With centre mount according to DIN 6350
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Useable for turning lathe and grinding machines as well as milling devices
- For clamping of rectangular and round workpieces
- For using at machines with high concentricity



A - chuck size	100	125	160	200	250
B	50 mm	56 mm	64,5 mm	75 mm	85 mm
C	3 mm	4 mm	4 mm	4 mm	5 mm
D	70 mm	95 mm	125 mm	160 mm	200 mm
E	20 mm	32 mm	42 mm	55 mm	76 mm
F	83 mm	108 mm	140 mm	176 mm	224 mm
G	M8	M8	M10	M10	M12
H	42 mm	51 mm	70 mm	85 mm	105 mm
J	17 mm	20 mm	32 mm	29 mm	34 mm
Max. speed	3500 rpm	3200 rpm	3000 rpm	2500 rpm	2000 rpm
Weight approx.	2,8 kg	5 kg	10 kg	17,5 kg	29 kg
Art. no.	21-1999F	21-2000F	21-2001F	21-2002F	21-2003F
Price excl. VAT					

A - chuck size	315	400	500	630
B	94 mm	105 mm	120 mm	135 mm
C	5 mm	5 mm	5 mm	7 mm
D	260 mm	330 mm	420 mm	545 mm
E	103 mm	136 mm	190 mm	252 mm
F	286 mm	362 mm	458 mm	586 mm
G	M16	M16	M16	M16
H	125 mm	145 mm	180 mm	225 mm
J	43 mm	55 mm	60 mm	70 mm
Max. speed	1500 rpm	1000 rpm	700 rpm	500 rpm
Weight approx.	50 kg	85 kg	145 kg	250 kg
Art. no.	21-2004F	21-2005F	21-2006F	21-2007F
Price excl. VAT				

Standard accessories			Optional accessories				
	1 set hard inside solid jaws IJ-PS4	1 set hard outside solid jaws OJ-PS4		Hard master jaws MJ-PS4	Reversible top jaws TJ-PS4	Soft solid jaws SJ-PS4	Soft top jaws STJ-PS4

Spare parts see page 12-13

Centre mount according to DIN 6350, steel

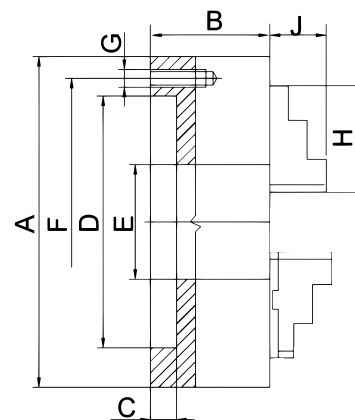


Execution:

- Precision 4-jaw chuck
- With centre mount according to DIN 6350
- Steel design for higher speed and longer life span
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for turning lathe and grinding machines
- For using on machines with increased concentricity



A - chuck size	125	160	200	250
B	59,5 mm	68 mm	78 mm	89 mm
C	4 mm	4 mm	4 mm	5 mm
D	95 mm	125 mm	160 mm	200 mm
E	35,5 mm	42 mm	55 mm	76 mm
F	108 mm	140 mm	176 mm	224 mm
G	M8	M10	M10	M12
H	51 mm	70 mm	85 mm	105 mm
J	20 mm	32 mm	29 mm	34 mm
Max. speed	4800 rpm	4500 rpm	4000 rpm	3500 rpm
Weight approx.	5 kg	10 kg	17,5 kg	29 kg
Art. no.	21-2009F	21-2010F	21-2011F	21-2012F
Price excl. VAT				

A - chuck size	315	400	500	630
B	96,2 mm	108 mm	119 mm	129 mm
C	5 mm	5 mm	5 mm	7 mm
D	260 mm	330 mm	420 mm	545 mm
E	103 mm	136 mm	190 mm	252 mm
F	286 mm	362 mm	458 mm	586 mm
G	M16	M16	M16	M16
H	125 mm	145 mm	180 mm	225 mm
J	43 mm	55 mm	60 mm	70 mm
Max. speed	2800 rpm	2000 rpm	1200 rpm	1000 rpm
Weight approx.	50 kg	85 kg	145 kg	250 kg
Art. no.	21-2013F	21-2014F	21-2014F1	21-2014F2
Price excl. VAT				

Standard accessories			Optional accessories				
	1 set hard inside solid jaws U-PS4	1 set hard outside solid jaws OJ-PS4		Hard master jaws MJ-PS4	Reversible top jaws TJ-PS4	Soft solid jaws SJ-PS4	Soft top jaws STJ-PS4

Spare parts see page 12-13

According to DIN 55029, steel

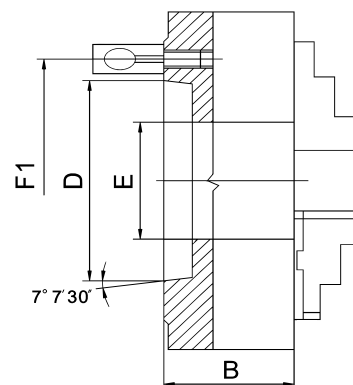


Execution:

- Precision 4-jaw chuck
- With Camlock direct mount according to DIN 55029
- Steel-design for higher speeds and longer life span
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Useable for conventional turning lathes
- For clamping of rectangular and round workpieces
- For using at machines with higher concentricity



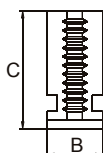
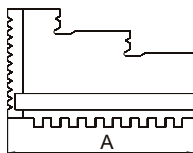
Chuck size	160/D4	160/D5	200/D5	200/D6	250/D6	250/D8
Diameter	160 mm	160 mm	200 mm	200 mm	250 mm	250 mm
Taper	4	5	5	6	6	8
B	68 mm	68 mm	78 mm	78 mm	89 mm	89 mm
D (max.)	63,526 mm	82,578 mm	82,578 mm	106,390 mm	106,390 mm	139,734 mm
E	42 mm	42 mm	55 mm	55 mm	76 mm	76 mm
F1	82,6 mm	104,8 mm	104,8 mm	133,4 mm	133,4 mm	171,4 mm
Camlock studs	3	6	6	6	6	6
Max. speed	4500 rpm	4500 rpm	4000 rpm	4000 rpm	3500 rpm	3500 rpm
Weight approx.	9 kg	9 kg	19 kg	19 kg	32 kg	32 kg
Art. no.	21-2035F	21-2036F	21-2037F	21-2038F	21-2039F	21-2040F
Price excl. VAT						

Chuck size	315/D6	315/D8	315/D11	400/D6	400/D8	400/D11
Diameter	315 mm	315 mm	315 mm	400 mm	400 mm	400 mm
Taper	6	8	11	6	8	11
B	96,2 mm	96,2 mm	117,7 mm	108 mm	108 mm	108 mm
D (max.)	106,390 mm	139,734 mm	196,887 mm	106,390 mm	139,734 mm	196,887 mm
E	103 mm	103 mm	103 mm	103 mm	136 mm	136 mm
F1	133,4 mm	171,4 mm	235 mm	133,4 mm	171,4 mm	235 mm
Camlock studs	6	6	6	6	6	6
Max. speed	2800 rpm	2800 rpm	2800 rpm	2000 rpm	2000 rpm	2000 rpm
Weight approx.	51 kg	51 kg	51 kg	101 kg	101 kg	101 kg
Art. no.	21-2041F	21-2042F	21-2043F	21-2044F	21-2045F	21-2046F
Price excl. VAT						

Standard accessories			Optional accessories				
	1 set hard inside solid jaws IJ-PS4	1 set hard outside solid jaws OJ-PS4		Hard master jaws MJ-PS4	Reversible top jaws TJ-PS4	Soft solid jaws SJ-PS4	Soft top jaws STJ-PS4

Spare parts see page 12-13

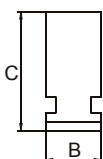
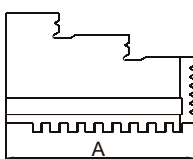
Hard outside solid jaws OJ-PS3 and OJ-PS4



Art. no.	Description	A	B	C	excl. VAT
mm					
21-3360	Hard outside solid jaws OJ-PS3-80	32	11	28	€
21-3361	Hard outside solid jaws OJ-PS3-100	42	15	32	€
21-3362	Hard outside solid jaws OJ-PS3-125	51	20	40	€
21-3363	Hard outside solid jaws OJ-PS3-160	70	20	53	€
21-3364	Hard outside solid jaws OJ-PS3-200	85	25	54	€
21-3365	Hard outside solid jaws OJ-PS3-250	105	28	63	€

Art. no.	Description	A	B	C	excl. VAT
mm					
21-3366	Hard outside solid jaws OJ-PS3-315	125	32	73	€
21-3367	Hard outside solid jaws OJ-PS3-400	145	36	92	€
21-3368	Hard outside solid jaws OJ-PS3-500	180	40	100	€
21-3369	Hard outside solid jaws OJ-PS3-630	225	50	110	€
21-3380	Hard outside solid jaws OJ-PS4-125	51	20	40	€
21-3381	Hard outside solid jaws OJ-PS4-160	70	20	53	€
21-3382	Hard outside solid jaws OJ-PS4-200	85	25	54	€
21-3383	Hard outside solid jaws OJ-PS4-250	105	28	63	€
21-3384	Hard outside solid jaws OJ-PS4-315	125	32	73	€
21-3385	Hard outside solid jaws OJ-PS4-400	145	36	92	€
21-3386	Hard outside solid jaws OJ-PS4-500	180	40	100	€
21-3387	Hard outside solid jaws OJ-PS4-630	225	50	110	€

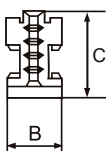
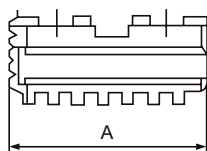
Hard inside solid jaws IJ-PS3 and IJ-PS4



21-3400	Hard inside solid jaws IJ-PS3-80	32	11	28	€
21-3401	Hard inside solid jaws IJ-PS3-100	42	15	32	€
21-3402	Hard inside solid jaws IJ-PS3-125	51	20	40	€
21-3403	Hard inside solid jaws IJ-PS3-160	70	20	53	€
21-3404	Hard inside solid jaws IJ-PS3-200	85	25	54	€
21-3405	Hard inside solid jaws IJ-PS3-250	105	28	63	€
21-3406	Hard inside solid jaws IJ-PS3-315	125	32	73	€

21-3407	Hard inside solid jaws IJ-PS3-400	145	36	92	€
21-3408	Hard inside solid jaws IJ-PS3-500	180	40	100	€
21-3409	Hard inside solid jaws IJ-PS3-630	225	50	110	€
21-3420	Hard inside solid jaws IJ-PS4-125	51	20	40	€
21-3421	Hard inside solid jaws IJ-PS4-160	70	20	53	€
21-3422	Hard inside solid jaws IJ-PS4-200	85	25	54	€
21-3423	Hard inside solid jaws IJ-PS4-250	105	28	63	€
21-3424	Hard inside solid jaws IJ-PS4-315	125	32	73	€
21-3425	Hard inside solid jaws IJ-PS4-400	145	36	92	€
21-3426	Hard inside solid jaws IJ-PS4-500	180	40	100	€
21-3427	Hard inside solid jaws IJ-PS4-630	225	50	110	€

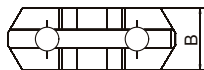
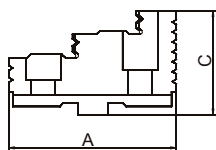
Hard master jaws MJ-PS3 and MJ-PS4



21-3280	Hard master jaws MJ-PS3-125	54	20	28	€
21-3281	Hard master jaws MJ-PS3-160	65	20	29	€
21-3282	Hard master jaws MJ-PS3-200	79	25	33	€
21-3283	Hard master jaws MJ-PS3-250	92	28	36	€
21-3284	Hard master jaws MJ-PS3-315	110	32	40	€
21-3285	Hard master jaws MJ-PS3-400	130	36	49	€

21-3286	Hard master jaws MJ-PS3-500	166	40	54	€
21-3287	Hard master jaws MJ-PS3-630	210	50	54,5	€
21-3300	Hard master jaws MJ-PS4-125	54	20	28	€
21-3301	Hard master jaws MJ-PS4-160	65	20	29	€
21-3302	Hard master jaws MJ-PS4-200	79	25	33	€
21-3303	Hard master jaws MJ-PS4-250	92	28	36	€
21-3304	Hard master jaws MJ-PS4-315	110	32	40	€
21-3305	Hard master jaws MJ-PS4-400	130	36	49	€
21-3306	Hard master jaws MJ-PS4-500	166	40	54	€
21-3307	Hard master jaws MJ-PS4-630	210	50	54,5	€

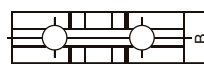
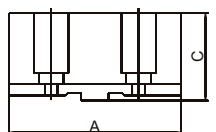
Reversible top jaws TJ-PS3 and TJ-PS4



Art. no.	Description	A	B	C	excl. VAT
		mm			
21-3320	Reversible top jaws TJ-PS3-125	56	22	38,5	€
21-3321	Reversible top jaws TJ-PS3-160	67	25	41,5	€
21-3322	Reversible top jaws TJ-PS3-200	80	27	43,5	€
21-3323	Reversible top jaws TJ-PS3-250	95	32,5	51,5	€
21-3324	Reversible top jaws TJ-PS3-315	110	37	55	€
21-3325	Reversible top jaws TJ-PS3-400	127	42	64,5	€

Art. no.	Description	A	B	C	excl. VAT
		mm			
21-3326	Reversible top jaws TJ-PS3-500	127	50	74,5	€
21-3327	Reversible top jaws TJ-PS3-630	127	52	82	€
21-3340	Reversible top jaws TJ-PS4-125	56	22	38,5	€
21-3341	Reversible top jaws TJ-PS4-160	67	25	41,5	€
21-3342	Reversible top jaws TJ-PS4-200	80	27	43,5	€
21-3343	Reversible top jaws TJ-PS4-250	95	32,5	51,5	€
21-3344	Reversible top jaws TJ-PS4-315	110	37	55	€
21-3345	Reversible top jaws TJ-PS4-400	127	42	64,5	€
21-3346	Reversible top jaws TJ-PS4-500	127	50	74,5	€
21-3347	Reversible top jaws TJ-PS4-630	127	52	82	€

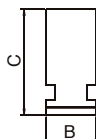
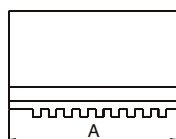
Soft top jaws STJ-PS3 and STJ-PS4



21-3240	Soft top jaws STJ-PS3-125	64	22	38,5	€
21-3241	Soft top jaws STJ-PS3-160	78	25	41,5	€
21-3242	Soft top jaws STJ-PS3-200	90	27	43,5	€
21-3243	Soft top jaws STJ-PS3-250	106	32,5	51,5	€
21-3244	Soft top jaws STJ-PS3-315	120	37	55	€
21-3245	Soft top jaws STJ-PS3-400	140	42	64,5	€

21-3246	Soft top jaws STJ-PS3-500	140	42	74,5	€
21-3247	Soft top jaws STJ-PS3-630	160	52	82	€
21-3260	Soft top jaws STJ-PS4-125	64	22	38,5	€
21-3261	Soft top jaws STJ-PS4-160	78	25	41,5	€
21-3262	Soft top jaws STJ-PS4-200	90	27	43,5	€
21-3263	Soft top jaws STJ-PS4-250	106	32,5	51,5	€
21-3264	Soft top jaws STJ-PS4-315	120	37	55	€
21-3265	Soft top jaws STJ-PS4-400	140	42	64,5	€
21-3266	Soft top jaws STJ-PS4-500	140	42	74,5	€
21-3267	Soft top jaws STJ-PS4-630	160	52	82	€

Soft solid jaws SJ-PS3 and SJ-PS4



21-3200	Soft solid jaws SJ-PS3-80	32	11	28	€
21-3201	Soft solid jaws SJ-PS3-100	42	15	32	€
21-3202	Soft solid jaws SJ-PS3-125	51	20	40	€
21-3203	Soft solid jaws SJ-PS3-160	70	20	53	€
21-3204	Soft solid jaws SJ-PS3-200	85	25	54	€
21-3205	Soft solid jaws SJ-PS3-250	105	28	63	€
21-3206	Soft solid jaws SJ-PS3-315	125	32	73	€

21-3207	Soft solid jaws SJ-PS3-400	145	36	92	€
21-3208	Soft solid jaws SJ-PS3-500	180	40	100	€
21-3209	Soft solid jaws SJ-PS3-630	225	50	110	€
21-3220	Soft solid jaws SJ-PS4-125	51	20	40	€
21-3221	Soft solid jaws SJ-PS4-160	70	20	53	€
21-3222	Soft solid jaws SJ-PS4-200	85	25	54	€
21-3223	Soft solid jaws SJ-PS4-250	105	28	63	€
21-3224	Soft solid jaws SJ-PS4-315	125	32	73	€
21-3225	Soft solid jaws SJ-PS4-400	145	36	92	€
21-3226	Soft solid jaws SJ-PS4-500	180	40	100	€
21-3227	Soft solid jaws SJ-PS4-630	225	50	110	€

Centre mount according to DIN 6350, cast iron

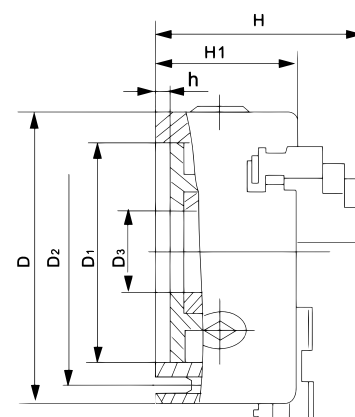


Execution:

- Standard 3-jaw chuck with high-quality cast iron body
- with centre mount according to DIN 6350
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Useable for turning lathes and drilling devices



D - chuck size	80	100	125	160	200
D1	56 mm	70 mm	95 mm	125 mm	160 mm
D2	67 mm	83 mm	108 mm	140 mm	176 mm
D3	16 mm	22 mm	30 mm	45 mm	65 mm
H	66,5 mm	74,5 mm	84,5 mm	94 mm	109 mm
H1	50 mm	55 mm	58 mm	65 mm	75 mm
h	4 mm	3 mm	4 mm	5 mm	5 mm
Mounting bolts	3 x M6	3 x M8	3 x M8	6 x M10	6 x M10
Max. speed	4000 rpm	3500 rpm	3000 rpm	2500 rpm	2000 rpm
Weight ca.	1,9 kg	3,2 kg	5 kg	8,8 kg	15,7 kg
Art. no.	21-0750	21-0751	21-0752	21-0753	21-0754
Price excl. VAT					

D - chuck size	250	315	400	500	630
D1	200 mm	260 mm	330 mm	420 mm	545 mm
D2	224 mm	286 mm	362 mm	458 mm	586 mm
D3	80 mm	100 mm	130 mm	210 mm	260 mm
H	120 mm	156,5 mm	173,5 mm	205 mm	220,5 mm
H1	80 mm	90 mm	100 mm	115 mm	135 mm
h	5 mm	6 mm	6 mm	6 mm	7 mm
Mounting bolts	6 x M12	6 x M16	6 x M16	6 x M16	6 x M16
Max. speed	1600 rpm	1200 rpm	1000 rpm	800 rpm	800 rpm
Weight ca.	26,5 kg	47 kg	73 kg	128 kg	230 kg
Art. no.	21-0755	21-0756	21-0757	21-0758	21-0759
Price excl. VAT					

Standard accessories			Optional accessories				
	1 set hard inside solid jaws DJU-DK11	1 set hard outside solid jaws DOJ-DK11		Hard master jaws DMJ-DK11	Reversible top jaws DTJ-DK11	Soft solid jaws DSJ-DK11	Soft top jaws DSTJ-DK11

Spare parts see page 18-19

According to DIN 55029, cast iron

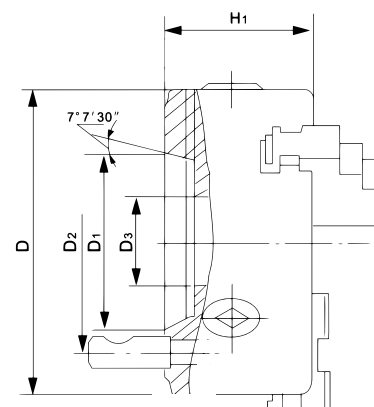


Execution:

- Standard 3-jaw chuck with high-quality cast iron body
- With Camlock direct mount according to DIN 55029
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for conventional turning lathes



Chuck size	125/D3	125/D4	160/D4	160/D5	200/D5	200/D6
D - diameter	125 mm	125 mm	160 mm	160 mm	200 mm	250 mm
Taper	3	4	4	5	5	6
D1 (max.)	53,988	63,526 mm	63,526 mm	82,578 mm	82,578	106,390 mm
D2	70,6 mm	82,6 mm	82,6 mm	104,8 mm	104,8 mm	133,4 mm
D3	30 mm	30 mm	40 mm	40 mm	60 mm	60 mm
H1	63 mm	63 mm	74 mm	74 mm	90 mm	90 mm
Max. speed	3000 rpm	3000 rpm	2500 rpm	2500 rpm	2000 rpm	2000 rpm
Weight approx.	5 kg	5 kg	9 kg	9 kg	19 kg	19 kg
Art. no.	21-0780	21-0781	21-0782	21-0783	21-0784	21-0785
Price excl. VAT						

Chuck size	250/D6	250/D8	315/D6	315/D8	315/D11	400/D8	400/D11
D - diameter	250 mm	250 mm	315 mm	315 mm	315 mm	400 mm	400 mm
Taper	6	8	6	8	11	8	11
D1 (max.)	106,390 mm	139,734 mm	106,390 mm	139,734 mm	196,887 mm	139,734 mm	196,887 mm
D2	133,4 mm	171,4 mm	133,4 mm	171,4 mm	235 mm	171,4 mm	235 mm
D3	70 mm	80 mm	100 mm	100 mm	100 mm	130 mm	130 mm
H1	96,5 mm	96,5 mm	113 mm	113 mm	115 mm	126 mm	126 mm
Max. speed	1600 rpm	1600 rpm	1200 rpm	1200 rpm	1200 rpm	1000 rpm	1000 rpm
Weight approx.	32 kg	32 kg	51 kg	51 kg	51 kg	101 kg	101 kg
Art. no.	21-0786	21-0787	21-0788	21-0789	21-0790	21-0791	21-0792
Price excl. VAT							

Standard accessories			Optional accessories				
	1 set hard inside solid jaws DIJ-DK11	1 set hard outside solid jaws DOJ-DK11		Hard master jaws DMJ-DK11	Reversible top jaws DTJ-DK11	Soft solid jaws DSJ-DK11	Soft top jaws DSTJ-DK11

Spare parts see page 18-19

Centre mount according to DIN 6350, cast iron

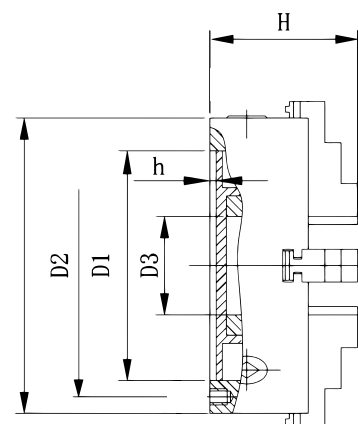


Execution:

- Standard 4-jaw chuck with high-quality cast iron body
- With centre mount according to DIN 6350
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for turning lathes and grinding machines as well as milling devices



D - chuck size	80	100	125	160	200
D1	56 mm	70 mm	95 mm	125 mm	160 mm
D2	67 mm	83 mm	108 mm	140 mm	176 mm
D3	16 mm	22 mm	30 mm	45 mm	65 mm
H	66,5 mm	74,5 mm	84,5 mm	94 mm	109 mm
H1	50 mm	55 mm	58 mm	65 mm	75 mm
h	4 mm	3 mm	4 mm	5 mm	5 mm
Mounting bolts	3 x M6	3 x M8	3 x M8	6 x M10	6 x M10
Max. speed	4000 rpm	3500 rpm	3000 rpm	2500 rpm	2000 rpm
Weight approx.	2 kg	3,2 kg	5,3 kg	9 kg	16,4 kg
Art. no.	21-0800	21-0801	21-0802	21-0803	21-0804
Price excl. VAT					

D - chuck size	250	315	400	500	630
D1	200 mm	260 mm	330 mm	420 mm	545 mm
D2	224 mm	286 mm	362 mm	458 mm	586 mm
D3	80 mm	100 mm	130 mm	210 mm	260 mm
H	120 mm	156,5 mm	173,5 mm	205 mm	220,5 mm
H1	80 mm	90 mm	100 mm	115 mm	135 mm
h	5 mm	6 mm	6 mm	6 mm	7 mm
Mounting bolts	6 x M12	6 x M16	6 x M16	6 x M16	6 x M16
Max. speed	1600 rpm	1200 rpm	1000 rpm	800 rpm	800 rpm
Weight approx.	28,7 kg	49 kg	80 kg	142 kg	240 kg
Art. no.	21-0805	21-0806	21-0807	21-0808	21-0809
Price excl. VAT					

Standard accessories			Optional accessories				
	1 set hard inside solid jaws DJI-DK11	1 set hard outside solid jaws DOJ-DK11		Hard master jaws DMJ-DK11	Reversible top jaws DTJ-DK11	Soft solid jaws DSJ-DK11	Soft top jaws DSTJ-DK11

Spare parts see page 18-19

According to DIN 55029, cast iron

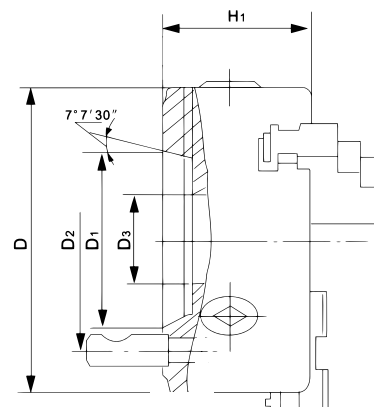


Execution:

- Standard 4-jaw chuck with high-quality cast iron body
- With Camlock direct mount according to DIN 55029
- Inclusive each 1 set hard inside and hard outside solid jaws

Application:

- Suitable for conventional turning lathes



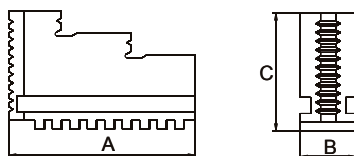
Chuck size	125/D3	125/D4	160/D4	160/D5	200/D4	200/D5	200/D6
D - diameter	125 mm	125 mm	160 mm	160 mm	200 mm	200 mm	200 mm
Taper	3	4	4	5	4	5	6
D1 (max.)	53,988 mm	63,526 mm	63,526 mm	82,578 mm	63,526 mm	82,578 mm	106,390 mm
D2	70,6 mm	82,6 mm	82,6 mm	104,8 mm	82,6 mm	104,8 mm	133,4 mm
D3	30 mm	30 mm	40 mm	40 mm	60 mm	60 mm	60 mm
H1	63 mm	63 mm	74 mm	74 mm	90 mm	90 mm	90 mm
Max. speed	3000 rpm	3000 rpm	2500 rpm	2500 rpm	2000 rpm	2000 rpm	2000 rpm
Weight approx.	5 kg	5 kg	9 kg	9 kg	19 kg	19 kg	19 kg
Art. no.	21-0830	21-0831	21-0832	21-0833	21-0833F	21-0834	21-0835
Price excl. VAT							

Chuck size	250/D6	250/D8	315/D6	315/D8	315/D11	400/D6	400/D8	400/D11
D - diameter	250 mm	250 mm	315 mm	315 mm	315 mm	400 mm	400 mm	400 mm
Taper	6	8	6	8	11	6	8	11
D1 (max.)	106,390 mm	139,734 mm	106,390 mm	139,734 mm	196,887 mm	106,390 mm	139,734 mm	196,887 mm
D2	133,4 mm	171,4 mm	133,4 mm	171,4 mm	235 mm	133,4 mm	171,4 mm	235 mm
D3	70 mm	80 mm	100 mm	100 mm	100 mm	103 mm	130 mm	130 mm
H1	96,5 mm	96,5 mm	113 mm	113 mm	115 mm	126 mm	126 mm	126 mm
Max. speed	1600 rpm	1600 rpm	1200 rpm	1200 rpm	1200 rpm	1000 rpm	1000 rpm	1000 rpm
Weight approx.	32 kg	32 kg	51 kg	51 kg	51 kg	101 kg	101 kg	101 kg
Art. no.	21-0836	21-0837	21-0838	21-0839	21-0840	21-0841	21-0842	21-0843
Price excl. VAT								

Standard accessories			Optional accessories				
	1 set hard inside solid jaws DJI-DK11	1 set hard outside solid jaws DOJ-DK11		Hard master jaws DMJ-DK11	Reversible top jaws DTJ-DK11	Soft solid jaws DSJ-DK11	Soft top jaws DSTJ-DK11

Spare parts see page 18-19

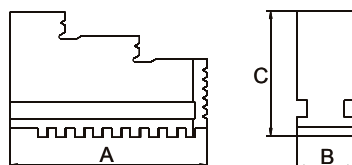
Hard outside solid jaws DOJ-DK11 and DOJ-DK12



Art. no.	Description	A	B	C	excl. VAT
mm					
21-0942	Hard out. solid jaws DOJ-DK11-80	32	12	33	€
21-0943	Hard out. solid jaws DOJ-DK11-100	42	15	38	€
21-0944	Hard out. solid jaws DOJ-DK11-125	56	16	45	€
21-0945	Hard out. solid jaws DOJ-DK11-160	70	18,5	53	€
21-0946	Hard out. solid jaws DOJ-DK11-200	85	22	61	€
21-0947	Hard out. solid jaws DOJ-DK11-250	105	27	69	€
21-0948	Hard out. solid jaws DOJ-DK11-315	130	36	91	€
21-0949	Hard out. solid jaws DOJ-DK11-400	138	36	91	€

Art. no.	Description	A	B	C	excl. VAT
mm					
21-0950	Hard out. solid jaws DOJ-DK12-500	180	46	100	€
21-0951	Hard out. solid jaws DOJ-DK12-630	225	50	117	€
21-0955	Hard out. solid jaws DOJ-DK12-80	32	12	33	€
21-0956	Hard out. solid jaws DOJ-DK12-100	42	15	38	€
21-0957	Hard out. solid jaws DOJ-DK12-125	56	16	45	€
21-0958	Hard out. solid jaws DOJ-DK12-160	70	18,5	53	€
21-0959	Hard out. solid jaws DOJ-DK12-200	85	22	61	€
21-0960	Hard out. solid jaws DOJ-DK12-250	105	27	69	€
21-0961	Hard out. solid jaws DOJ-DK12-315	130	36	91	€
21-0962	Hard out. solid jaws DOJ-DK12-400	138	36	91	€
21-0963	Hard out. solid jaws DOJ-DK12-500	180	46	100	€
21-0964	Hard out. solid jaws DOJ-DK12-630	225	50	117	€

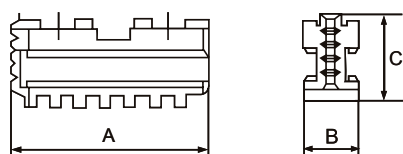
Hard inside solid jaws DIJ-DK11 and DIJ-DK12



21-0968	Hard inside solid jaws DIJ-DK11-80	32	12	33	€
21-0969	Hard inside solid jaws DIJ-DK11-100	42	15	38	€
21-0970	Hard inside solid jaws DIJ-DK11-125	56	16	45	€
21-0971	Hard inside solid jaws DIJ-DK11-160	70	18,5	53	€
21-0972	Hard inside solid jaws DIJ-DK11-200	85	22	61	€
21-0973	Hard inside solid jaws DIJ-DK11-250	105	27	69	€
21-0974	Hard inside solid jaws DIJ-DK11-315	130	36	91	€

21-0975	Hard inside solid jaws DIJ-DK12-400	138	36	91	€
21-0976	Hard inside solid jaws DIJ-DK12-500	180	46	100	€
21-0977	Hard inside solid jaws DIJ-DK12-630	225	50	117	€
21-0981	Hard inside solid jaws DIJ-DK12-80	32	12	33	€
21-0982	Hard inside solid jaws DIJ-DK12-100	42	15	38	€
21-0983	Hard inside solid jaws DIJ-DK12-125	56	16	45	€
21-0984	Hard inside solid jaws DIJ-DK12-160	70	18,5	53	€
21-0985	Hard inside solid jaws DIJ-DK12-200	85	22	61	€
21-0986	Hard inside solid jaws DIJ-DK12-250	105	27	69	€
21-0987	Hard inside solid jaws DIJ-DK12-315	130	36	91	€
21-0988	Hard inside solid jaws DIJ-DK12-400	138	36	91	€
21-0989	Hard inside solid jaws DIJ-DK12-500	180	46	100	€
21-0990	Hard inside solid jaws DIJ-DK12-630	225	50	117	€

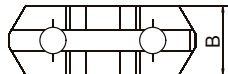
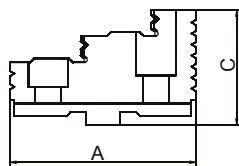
Hard master jaws DMJ-DK11 and DMJ-DK12



21-0898	Hard master jaws DMJ-DK11-125	51	16	26,5	€
21-0899	Hard master jaws DMJ-DK11-160	64	20	33	€
21-0900	Hard master jaws DMJ-DK11-200	80	22	35	€
21-0901	Hard master jaws DMJ-DK11-250	98	27	38	€
21-0902	Hard master jaws DMJ-DK11-315	118	36	43	€
21-0903	Hard master jaws DMJ-DK11-400	114	36	46	€

21-0904	Hard master jaws DMJ-DK12-500	152	45	55	€
21-0905	Hard master jaws DMJ-DK12-630	210	50	57	€
21-0909	Hard master jaws DMJ-DK12-125	51	16	26,5	€
21-0910	Hard master jaws DMJ-DK12-160	64	20	33	€
21-0911	Hard master jaws DMJ-DK12-200	80	22	35	€
21-0912	Hard master jaws DMJ-DK12-250	98	27	38	€
21-0913	Hard master jaws DMJ-DK12-315	118	36	43	€
21-0914	Hard master jaws DMJ-DK12-400	114	36	46	€
21-0915	Hard master jaws DMJ-DK12-500	152	45	55	€
21-0916	Hard master jaws DMJ-DK12-630	210	50	57	€

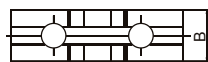
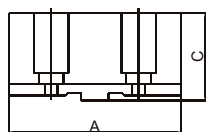
Reversible top jaws DTJ-DK11 and DTJ-DK12



Art. no.	Description	A	B	C	excl. VAT
		mm			
21-0920	Reversible top jaws DTJ-DK11-125	53,5	20	38,3	€
21-0921	Reversible top jaws DTJ-DK11-160	67	25	41	€
21-0922	Reversible top jaws DTJ-DK11-200	80	30	45	€
21-0923	Reversible top jaws DTJ-DK11-250	95	36	53	€
21-0924	Reversible top jaws DTJ-DK11-315	118	42	61	€
21-0925	Reversible top jaws DTJ-DK11-400	130	45	70	€

Art. no.	Description	A	B	C	excl. VAT
		mm			
21-0926	Reversible top jaws DTJ-DK11-500	132	45	82	€
21-0927	Reversible top jaws DTJ-DK11-630	131	52	87	€
21-0931	Reversible top jaws DTJ-DK12-125	53,5	20	38,3	€
21-0932	Reversible top jaws DTJ-DK12-160	67	25	41	€
21-0933	Reversible top jaws DTJ-DK12-200	80	30	45	€
21-0934	Reversible top jaws DTJ-DK12-250	95	36	53	€
21-0935	Reversible top jaws DTJ-DK12-315	118	42	61	€
21-0936	Reversible top jaws DTJ-DK12-400	130	45	70	€
21-0937	Reversible top jaws DTJ-DK12-500	132	45	82	€
21-0938	Reversible top jaws DTJ-DK12-630	131	52	87	€

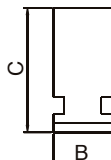
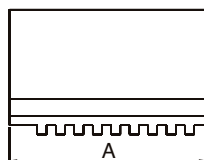
Soft top jaws DSTJ-DK11 and DSTJ-DK12



21-0876	Soft top jaws DSTJ-DK11-125	64	22	38,5	€
21-0877	Soft top jaws DSTJ-DK11-160	78	25	41,5	€
21-0878	Soft top jaws DSTJ-DK11-200	90	27	43,5	€
21-0879	Soft top jaws DSTJ-DK11-250	106	32,5	51,5	€
21-0880	Soft top jaws DSTJ-DK11-315	120	37	55	€
21-0881	Soft top jaws DSTJ-DK11-400	140	42	64,5	€

21-0882	Soft top jaws DSTJ-DK11-500	140	42	74,5	€
21-0883	Soft top jaws DSTJ-DK11-630	160	52	82	€
21-0887	Soft top jaws DSTJ-DK12-125	64	22	38,5	€
21-0888	Soft top jaws DSTJ-DK12-160	78	25	41,5	€
21-0889	Soft top jaws DSTJ-DK12-200	90	27	45	€
21-0890	Soft top jaws DSTJ-DK12-250	106	32,5	51,5	€
21-0891	Soft top jaws DSTJ-DK12-315	120	37	55	€
21-0892	Soft top jaws DSTJ-DK12-400	140	42	64,5	€
21-0893	Soft top jaws DSTJ-DK12-500	140	42	74,5	€
21-0894	Soft top jaws DSTJ-DK12-630	160	52	82	€

Soft solid jaws DSJ-DK11 and DSJ-DK12



21-0850	Soft solid jaws DSJ-DK11-80	32	12	29	€
21-0851	Soft solid jaws DSJ-DK11-100	44	15	38	€
21-0852	Soft solid jaws DSJ-DK11-125	56	16	45	€
21-0853	Soft solid jaws DSJ-DK11-160	70	18,5	53	€
21-0854	Soft solid jaws DSJ-DK11-200	85	22	57	€
21-0855	Soft solid jaws DSJ-DK11-250	105	27	61	€
21-0856	Soft solid jaws DSJ-DK11-315	125	36	73	€

21-0857	Soft solid jaws DSJ-DK11-400	145	36	92	€
21-0858	Soft solid jaws DSJ-DK11-500	180	46	100	€
21-0859	Soft solid jaws DSJ-DK11-630	225	50	117	€
21-0863	Soft solid jaws DSJ-DK12-80	32	12	29	€
21-0864	Soft solid jaws DSJ-DK12-100	44	15	38	€
21-0865	Soft solid jaws DSJ-DK12-125	56	16	45	€
21-0866	Soft solid jaws DSJ-DK12-160	70	18,5	53	€
21-0867	Soft solid jaws DSJ-DK12-200	85	22	57	€
21-0868	Soft solid jaws DSJ-DK12-250	105	27	61	€
21-0869	Soft solid jaws DSJ-DK12-315	125	36	73	€
21-0870	Soft solid jaws DSJ-DK12-400	145	36	92	€
21-0871	Soft solid jaws DSJ-DK12-500	180	46	100	€
21-0872	Soft solid jaws DSJ-DK12-630	225	50	117	€

Centre mount according to DIN 6350, cast iron

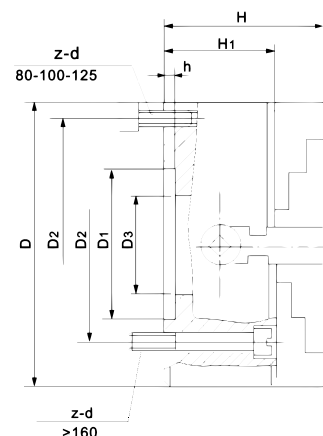


Execution:

- 4-jaw independent chuck made out of cast iron
- With centre mount according to DIN 6350
- Four separate adjustable jaws
- From a diameter of 160 mm the independent chuck is with front-mounting
- Including milled T-slots from a diameter of 300 mm
- Inclusive one set hard outside solid jaws

Application:

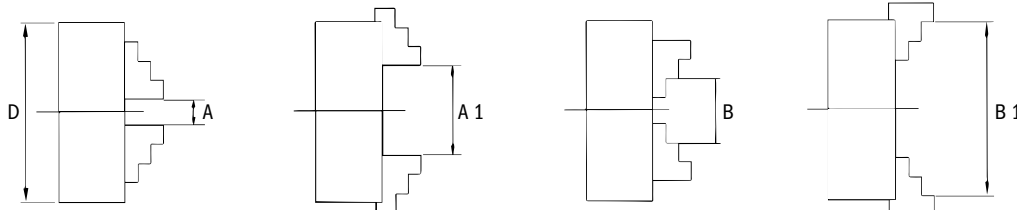
- Useable for clamping of asymmetric and rectangular shaped workpieces on turning lathes



D - chuck size	80	100	125	160	200	250	320
D1	55 mm	72 mm	95 mm	65 mm	125 mm	100 mm	140 mm
D2	66 mm	84 mm	108 mm	95 mm	104,8 mm	120 mm	165 mm
D3	22 mm	25 mm	30 mm	45 mm	50 mm	65 mm	95 mm
H	58 mm	77 mm	78 mm	96,5 mm	110 mm	117,5 mm	134 mm
H1	42 mm	54 mm	56 mm	65 mm	75 mm	82 mm	90 mm
h	3,5 mm	4 mm	4,5 mm	5 mm	6 mm	6 mm	6 mm
Mounting bolts	4 x M6	4 x M8	4 x M8	4 x M10	4 x M10	4 x M12	4 x M16
Max. speed	2400 rpm	2400 rpm	2000 rpm	1600 rpm	1440 rpm	1200 rpm	960 rpm
Weight approx.	1,55 kg	3,15 kg	4,90 kg	7,70 kg	15 kg	22 kg	38 kg
Art. no.	21-5000	21-5001	21-5002	21-5003	21-5004	21-5005	21-5007
Price excl. VAT							

D - chuck size	400	500	630	800	1000	1250
D1	160 mm	200 mm	220 mm	250 mm	320 mm	400 mm
D2	185 mm	236 mm	258 mm	300 mm	370 mm	500 mm
D3	125 mm	160 mm	180 mm	210 mm	260 mm	305 mm
H	143 mm	161 mm	180 mm	210 mm	241 mm	256 mm
H1	95 mm	106 mm	115 mm	135 mm	150 mm	165 mm
h	8 mm	8 mm	10 mm	12 mm	15 mm	15 mm
Mounting bolts	4 x M16	4 x M20	4 x M20	8 x M20	8 x M20	8 x M20
Max. speed	640 rpm	400 rpm	320 rpm	240 rpm	180 rpm	180 rpm
Weight approx.	62 kg	90 kg	148 kg	267 kg	500 kg	800 kg
Art. no.	21-5008	21-5009	21-5010	21-5011	21-5012	21-5013
Price excl. VAT						

Clamping range for independent chuck K72



According to DIN 55029, cast iron

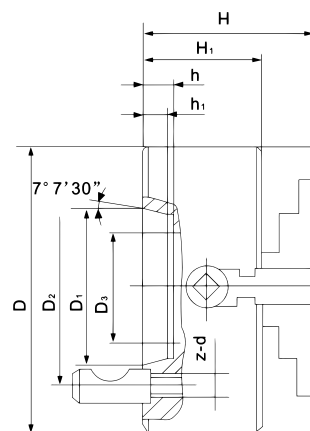


Execution

- 4-jaw independent chuck made out of cast iron
- With Camlock- direct mount according to DIN 55029
- Four separate adjustable jaws
- Including milled T-slots from a diameter of 300 mm
- Inclusive one set hard outside solid jaws

Application:

- Useable for clamping of asymmetric and rectangular shaped workpieces on turning lathes



Chuck size	160/D4	200/D4	200/D5	250/D5	250/D6	320/D5	320/D6	320/D8	400/D6	400/D8
D - diameter	160 mm	200 mm	200 mm	250 mm	250 mm	320 mm	320 mm	320 mm	400 mm	400 mm
Taper	4	4	5	5	6	5	6	8	6	8
D1 (max.)	63,51 mm	63,51 mm	82,56 mm	82,56 mm	106,37 mm	82,56 mm	106,37 mm	139,72 mm	106,37 mm	139,72 mm
D2	82,6 mm	82,6 mm	104,8 mm	104,8 mm	133,4 mm	104,8 mm	133,4 mm	171,4 mm	133,4 mm	171,4 mm
D3	56 mm	56 mm	56 mm	56 mm	75 mm	56 mm	75 mm	95 mm	75 mm	125 mm
H1	65 mm	75 mm	75 mm	80 mm	80 mm	90 mm	90 mm	90 mm	95 mm	95 mm
Max. speed	1600 rpm	1440 rpm	1440 rpm	1200 rpm	1200 rpm	960 rpm	960 rpm	400 rpm	640 rpm	640 rpm
Weight approx.	15,7 kg	15 kg	17 kg	26 kg	26 kg	36 kg	40 kg	38 kg	61,2 kg	70 kg
Art. no.	21-5058	21-5059	21-5060	21-5062	21-5063	21-5064	21-5065	21-5066	21-5069	21-5070
Price excl. VAT										

Chuck size	400/D11	500/D8	500/D11	630/D11	630/D15	800/D11	800/D15	1000/D11	1000/D15	1250/D15
D - diameter	400 mm	500 mm	500 mm	630 mm	630 mm	800 mm	800 mm	1000 mm	1000 mm	1250 mm
Taper	11	8	11	11	15	11	15	11	15	15
D1 (max.)	196,87 mm	139,72 mm	196,87 mm	196,87 mm	285,77 mm	196,87 mm	285,77 mm	196,87 mm	285,77 mm	285,77 mm
D2	235 mm	171,4 mm	235 mm	235 mm	330,2 mm	235 mm	330,2 mm	235 mm	330,2 mm	330,2 mm
D3	160 mm	125 mm	160 mm	180 mm	180 mm	180 mm	180 mm	180 mm	280 mm	280 mm
H1	95 mm	106 mm	106 mm	115 mm	115 mm	135 mm	135 mm	150 mm	150 mm	165 mm
Max. speed	640 rpm	400 rpm	400 rpm	320 rpm	180 rpm	240 rpm	240 rpm	180 rpm	180 rpm	180 rpm
Weight approx.	70 kg	95 kg	94,4 kg	169 kg	174 kg	243 kg	257 kg	582 kg	608 kg	835 kg
Art. no.	21-5071	21-5072	21-5073	21-5074	21-5075	21-5076	21-5077	21-5078	21-5079	21-5080
Price excl. VAT										

Clamping range for independent chuck K72

D - Futtergröße	80	100	125	160	200	250	300	320	400	500	630	800	1000
A-A1	5-35	6-45	7-57	8-80	10-100	15-130	20-156	20-176	25-250	35-300	50-400	70-540	100-680
B-B1	35-80	40-100	48-125	50-160	63-200	80-250	100-300	100-320	118-400	125-500	160-630	200-800	250-1000

* The mentioned clamping ranges are for independent chucks with reversible jaws

Short taper according to DIN 55029, rough on chuck side

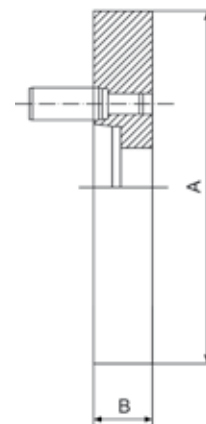


Execution:

- Flange out of cast iron
- With Camlock-direct mount according to DIN 55029
- Fully machined on machine side
- Rough on chuck side

Application:

- For mounting of self-centering chucks and independent chucks with centre mount



Flange size	125/D3	125/D4	160/D4	160/D5	200/D4	200/D5	200/D6	250/D6	250/D8	315/D6
Diameter	125 mm	125 mm	160 mm	160 mm	200 mm	200 mm	200 mm	250 mm	250 mm	315 mm
Taper	3	4	4	5	4	5	6	6	8	6
A	127 mm	127 mm	162 mm	162 mm	203 mm	203 mm	203 mm	253 mm	253 mm	318 mm
B	28 mm	28 mm	29 mm	32 mm	29 mm	32 mm	39 mm	39 mm	42 mm	42 mm
Passage	51,5 mm	61 mm	61 mm	79,5 mm	61 mm	79,5 mm	103 mm	103 mm	136,2 mm	103 mm
Art. no.	21-4051	21-4052	21-4053	21-4054	21-4055	21-4056	21-4057	21-4058	21-4059	21-4060
Price excl. VAT										

Flange size	315/D8	315/D11	400/D8	400/D11	500/D8	500/D11	500/D15	630/D8	630/D11	630/D15
Diameter	315 mm	315 mm	400 mm	400 mm	500 mm	500 mm	500 mm	630 mm	630 mm	630 mm
Taper	8	11	8	11	8	11	15	8	11	15
A	318 mm	318 mm	405 mm	405 mm	505 mm	505 mm	505 mm	635 mm	635 mm	635 mm
B	45 mm	52 mm	45 mm	49 mm	42 mm	49 mm	50 mm	42 mm	49 mm	50 mm
Passage	136,2 mm	192,8 mm	136,2 mm	192,8 mm	136,2 mm	192,8 mm	281,5 mm	136,2 mm	192,8 mm	281,5 mm
Art. no.	21-4061	21-4062	21-4063	21-4064	21-4065	21-4066	21-4067	21-4068	21-4069	21-4070
Price excl. VAT										

Examples of our wide range of accessories



Short taper according to DIN 55029, chuck side pre-machined and drilled

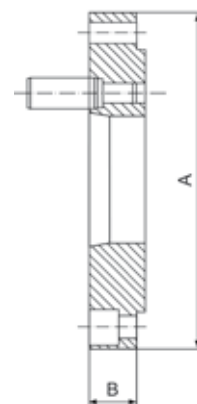


Execution:

- Flange out of cast iron
- With Camlock-direct mount according to DIN 55029
- Fully machined on machine side
- Chuck side pre-machined and drilled

Application:

- For mounting of self-centering chucks and independent chucks with centre mount



Flange size	125/D3	125/D4	160/D4	160/D5	200/D4	200/D5	200/D6	250/D6	250/D8	315/D6
Diameter	125 mm	125 mm	160 mm	160 mm	200 mm	200 mm	200 mm	250 mm	250 mm	315 mm
Taper	3	4	4	5	4	5	6	6	8	6
A	125 mm	125 mm	160 mm	160 mm	200 mm	200 mm	200 mm	250 mm	250 mm	315 mm
B	26 mm	26 mm	27 mm	30 mm	27 mm	30 mm	36,5 mm	36,5 mm	39 mm	39,5 mm
Passage	51,5 mm	61 mm	61 mm	79,5 mm	61 mm	79,5 mm	103 mm	103 mm	136,2 mm	103 mm
Art. no.	21-4101	21-4102	21-4103	21-4104	21-4105	21-4106	21-4107	21-4108	21-4109	21-4110
Price excl. VAT										

Flange size	315/D8	315/D11	400/D8	400/D11	500/D8	500/D11	500/D15	630/D8	630/D11	630/D15
Diameter	315 mm	315 mm	400 mm	400 mm	500 mm	500 mm	500 mm	630 mm	630 mm	630 mm
Taper	8	11	8	11	8	11	15	8	11	15
A	315 mm	315 mm	400 mm	400 mm	500 mm	500 mm	500 mm	630 mm	630 mm	630 mm
B	42 mm	52 mm	39 mm	47 mm	39 mm	47 mm	50 mm	39 mm	47 mm	50 mm
Passage	136,2 mm	192,8 mm	136,2 mm	192,8 mm	136,2 mm	192,8 mm	281,5 mm	136,2 mm	192,8 mm	281,5 mm
Art. no.	21-4111	21-4112	21-4113	21-4114	21-4115	21-4116	21-4117	21-4118	21-4119	21-4120
Price excl. VAT										

Examples of our wide range of accessories





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