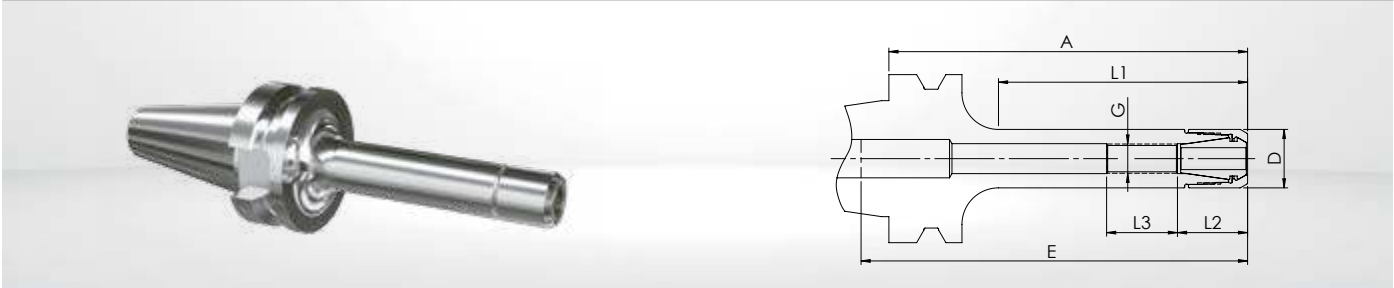


MPC MINI PRECISION CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT
 FORM AD - CENTRAL COOLANT SUPPLY

BTP30
 MPC

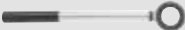
Very slim precision chuck with optimum interference contour, ideal for HSC machining
 Cylindrical design for tight spaces



- **Chuck body and clamping nut separately balanced**
 G2,5 at 25.000 1/min or U ≤ 1 gmm
- **Standard:** MPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.

Description + A	Order-No. incl. MPC clamping nut	D = Wrench Ø	max. 1/min	E	L1	L2	L3	G
Clamping range Ø 1-7 mm - Collets GERC11								
MPC11-BTP30-A=60	60431340605	16	25.000	70	29	19	20	M8x1
MPC11-BTP30-A=90	60431340905	16	25.000	100	59	19	20	M8x1
MPC11-BTP30-A=105	60431341055	16	25.000	115	74	19	20	M8x1

Suitable Accessories

Collets	Clamping Nuts	Wrenches	Mounting Devices	Adjustable Stop Screws
				
Page 135ff	Page 162	Page 160	Page 161	Page 165

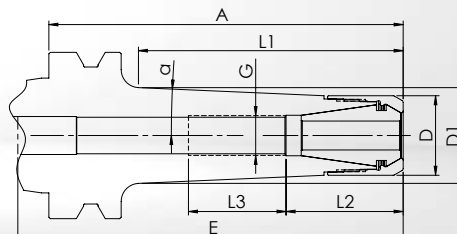
BTP30 MPC

MPC MINI PRECISION CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Slim precision chuck for difficult machining tasks and HSC machining
Tapered design for more stability



- **Chuck body and clamping nut separately balanced**
G2,5 at 25.000 1/min or U ≤ 1 gmm

- **Standard:** MPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.

- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of ≤ 10 µm with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. MPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	max. 1/min	E	D1	α	L1	L2	L3	G
Clamping range Ø 1-7 mm - Collets GERC11											
MPC11C-BTP30-A=100	60431331005	---	16	25.000	100	32,5	2,5°	73	19	40	M8x1
Clamping range Ø 1-10 mm - Collets GERC16											
MPC16C-BTP30-A=100	60433331005	60433331006	22	25.000	110	30	2,5°	73	32	40	M11x1

Suitable Accessories

Collets



Page 135ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable Stop Screws



Page 165

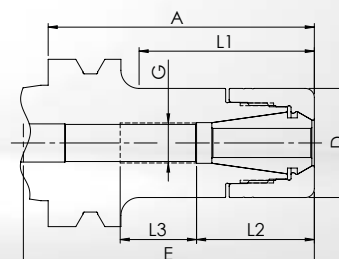
DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP30
DPC

Multifunctional precision chuck, especially for finishing and HDC milling
Cylindrical design for less interference contours



- **Chuck body and clamping nut separately balanced**
G2,5 at 25.000 1/min or $U \leq 1 \text{ gmm}$
- **Standard:** DPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \text{ }\mu\text{m}$ with GERC-HP collets.
- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of $\leq 10 \text{ }\mu\text{m}$ with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. DPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench $\varnothing$	E	L1	L2	L3	G
Clamping range $\varnothing$ 1-10 mm - Collets GERC16								
DPC16-BTP30-A=60	62433300605	62433300606	30	75	34	32	21	M11x1
DPC16-BTP30-A=75	62433300755	62433300756	30	90	49	32	21	M11x1
DPC16-BTP30-A=90	62433300905	62433300906	30	105	64	32	21	M11x1
DPC16-BTP30-A=105	62433301055	62433301056	30	120	79	32	21	M11x1
DPC16-BTP30-A=120	62433301205	62433301206	30	130	94	32	21	M11x1
Clamping range $\varnothing$ 1-13 mm - Collets GERC20								
DPC20-BTP30-A=60	62434300605	62434300606	32	65	36,5	36	22	M14x1
DPC20-BTP30-A=75	62434300755	62434300756	32	65	51,5	36	22	M14x1
DPC20-BTP30-A=90	62434300905	62434300906	32	81	66,5	36	22	M14x1
DPC20-BTP30-A=105	62434301055	62434301056	32	96	81,5	36	22	M14x1
DPC20-BTP30-A=120	62434301205	62434301206	32	111	96,5	36	22	M14x1

For other DPC chucks with BTP30, see following page.

Suitable Accessories

Collets



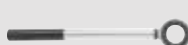
Page 138ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

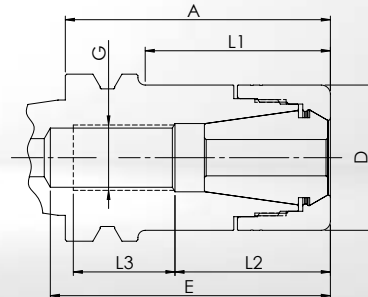
BTP30 DPC

DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Multifunctional precision chuck, especially for finishing and HDC milling
Cylindrical design for less interference contours



- **Chuck body and clamping nut separately balanced**
G_{2,5} at 25.000 1/min or U ≤ 1 gmm
- **Standard:** DPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.
- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of ≤ 10 µm with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. DPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 1-16 mm - Collets GERC25								
DPC25-BTP30-A=60	62435300605	62435300606	40	76	37	42	28	M18x1,5
DPC25-BTP30-A=75	62435300755	62435300756	40	77	52	42	28	M18x1,5
DPC25-BTP30-A=90	62435300905	62435300906	40	88	67	42	28	M18x1,5
DPC25-BTP30-A=105	62435301055	62435301056	40	98	81	42	28	M18x1,5
DPC25-BTP30-A=120	62435301205	62435301206	40	110	97	42	28	M18x1,5
Clamping range Ø 2-20 mm - Collets GERC32								
DPC32-BTP30-A=60	62436300605	62436300606	50	70	39	46	20	M22x1,5
DPC32-BTP30-A=75	62436300755	62436300756	50	78	54	46	25	M22x1,5
DPC32-BTP30-A=90	62436300905	62436300906	50	90	69	46	32	M22x1,5
DPC32-BTP30-A=105	62436301055	62436301056	50	95	84	46	32	M22x1,5

Suitable Accessories

Collets



Page 146ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

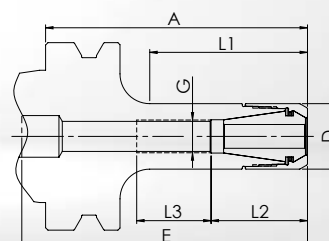
MPC MINI PRECISION CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP40
MPC

Very slim precision chuck with optimum interference contour, ideal for HSC machining
Cylindrical design for tight spaces



- **Chuck body and clamping nut separately balanced**
G2,5 at 25.000 1/min or $U \leq 1 \text{ gmm}$

- **Standard:** MPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \text{ }\mu\text{m}$ with GERC-HP collets.

- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of $\leq 10 \text{ }\mu\text{m}$ with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. MPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench $\varnothing$	max. 1/min	E	L1	L2	L3	G
Clamping range $\varnothing$ 1-7 mm - Collets GERC11									
MPC11-BTP40-A=90	60451340905	---	16	25.000	100	54	19	20	M8x1
MPC11-BTP40-A=120	60451341205	---	16	25.000	140	84	19	20	M8x1
Clamping range $\varnothing$ 1-10 mm - Collets GERC16									
MPC16-BTP40-A=90	60453340905	60453340906	22	25.000	110	54	32	25	M11x1
MPC16-BTP40-A=120	60453341205	60453341206	22	25.000	140	84	32	25	M11x1

Suitable Accessories

Collets



Page 135ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

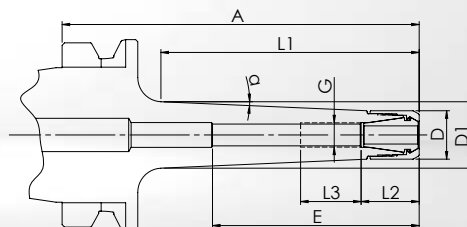
BTP40 MPC

MPC MINI PRECISION CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Slim precision chuck for difficult machining tasks and HSC machining
Tapered design for more stability



- **Chuck body and clamping nut separately balanced**
G2,5 at 25.000 1/min or U ≤ 1 gmm

- **Standard:** MPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.

- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of ≤ 10 µm with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. MPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	max. 1/min	E	D1	α	L1	L2	L3	G
Clamping range Ø 1-7 mm - Collets GERC11											
MPC11C-BTP40-A=100	60451331005	---	16	25.000	110	20	2,5°	65	19	20	M8x1
MPC11C-BTP40-A=120	60451331205	---	16	25.000	140	21,5	2,5°	85	19	20	M8x1
MPC11C-BTP40-A=160	60451331605	---	16	25.000	170	25,5	2,5°	125	19	20	M8x1
Clamping range Ø 1-10 mm - Collets GERC16											
MPC16C-BTP40-A=100	60453331005	60453331006	22	25.000	125	30,5	2,5°	67	32	27	M11x1
MPC16C-BTP40-A=120	60453331205	60453331206	22	25.000	140	32,5	2,5°	87	32	27	M11x1
MPC16C-BTP40-A=160	60453331605	60453331606	22	25.000	170	36	2,5°	127	32	27	M11x1

Suitable Accessories

Collets



Page 135ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable Stop Screws



Page 165

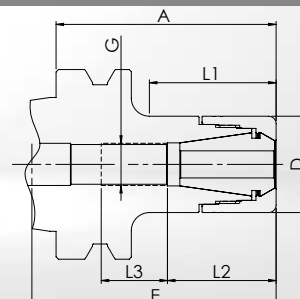
DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP40
DPC

Multifunctional precision chuck, especially for finishing and HDC milling
Cylindrical design for less interference contours



- **Chuck body and clamping nut separately balanced**
G2,5 at 25.000 1/min or U ≤ 1 gmm

- **Standard:** DPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.

- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of ≤ 10 µm with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. DPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 1-10 mm - Collets GERC16								
DPC16-BTP40-A=75	62453300755	62453300756	30	100	39	32	20	M11x1
DPC16-BTP40-A=90	62453300905	62453300906	30	115	54	32	25	M11x1
DPC16-BTP40-A=105	62453301055	62453301056	30	130	69	32	25	M11x1
DPC16-BTP40-A=120	62453301205	62453301206	30	145	84	32	25	M11x1
DPC16-BTP40-A=150	62453301505	62453301506	30	175	114	32	25	M11x1
DPC16-BTP40-A=165	62453301655	62453301656	30	190	129	32	25	M11x1
DPC16-BTP40-A=200	62453302005	62453302006	30	225	164	32	25	M11x1
Clamping range Ø 1-13 mm - Collets GERC20								
DPC20-BTP40-A=75	62454300755	62454300756	32	95	46,5	46	25	M14x1
DPC20-BTP40-A=90	62454300905	62454300906	32	110	61,5	43	25	M14x1
DPC20-BTP40-A=105	62454301055	62454301056	32	125	76,5	43	25	M14x1
DPC20-BTP40-A=120	62454301205	62454301206	32	135	91,5	43	25	M14x1
DPC20-BTP40-A=150	62454301505	62454301506	32	165	121,5	43	25	M14x1
DPC20-BTP40-A=165	62454301655	62454301656	32	180	136,5	43	25	M14x1

For other DPC chucks with BTP40, see following page.

Suitable Accessories

Collets



Page 138ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

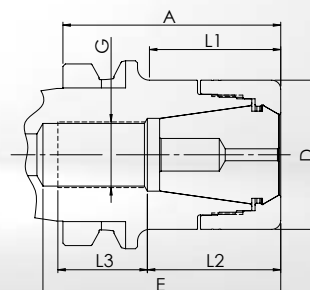
BTP40 DPC

DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Multifunctional precision chuck, especially for finishing and HDC milling
Cylindrical design for less interference contours



- **Chuck body and clamping nut separately balanced**
G_{2,5} at 25.000 1/min or U ≤ 1 gmm
- **Standard:** DPC high accuracy clamping nut **without** collet collapse. Concentricity of ≤ 3 µm with GERC-HP collets.
- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of ≤ 10 µm with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. DPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 1-16 mm - Collets GERC25								
DPC25-BTP40-A=60	62455300605	62455300606	40	83	29	43	35	M18x1,5
DPC25-BTP40-A=75	62455300755	62455300756	40	84	44	43	35	M18x1,5
DPC25-BTP40-A=90	62455300905	62455300906	40	84	59	43	35	M18x1,5
DPC25-BTP40-A=105	62455301055	62455301056	40	98	74	43	35	M18x1,5
DPC25-BTP40-A=120	62455301205	62455301206	40	113	89	43	35	M18x1,5
DPC25-BTP40-A=150	62455301505	62455301506	40	144	119	43	35	M18x1,5
DPC25-BTP40-A=165	62455301655	62455301656	40	158	134	43	35	M18x1,5
DPC25-BTP40-A=200	62455302005	62455302006	40	190	159	43	35	M18x1,5
Clamping range Ø 2-20 mm - Collets GERC32								
DPC32-BTP40-A=60	62456300605	62456300606	50	80	30	45	30	M22x1,5
DPC32-BTP40-A=75	62456300755	62456300756	50	80	45	45	30	M22x1,5
DPC32-BTP40-A=90	62456300905	62456300906	50	95	60	45	40	M22x1,5
DPC32-BTP40-A=105	62456301055	62456301056	50	100	75	45	40	M22x1,5
DPC32-BTP40-A=120	62456301205	62456301206	50	110	89,5	45	40	M22x1,5
DPC32-BTP40-A=150	62456301505	62456301506	50	140	119,5	45	40	M22x1,5
DPC32-BTP40-A=165	62456301655	62456301656	50	140	134,5	45	40	M22x1,5

Suitable Accessories

Collets



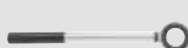
Page 146ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

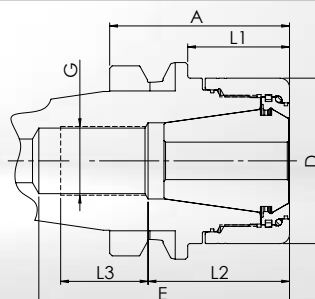
UPC ULTRA POWER CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP40
UPC

Extremely stiff precision chuck for the most demanding tasks with predominantly radial load
Cylindrical design with a multi-part clamping nut for optimised damping and maximum stability



- **Chuck body and clamping nut separately balanced**
G6,3 at 18.000 1/min
- **Standard:** UPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \mu\text{m}$ with GERC-HP collets.

Description + A	Order-No. incl. UPC clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 2-20 mm - Collets GERC32							
UPC32-BTP40-A=60	66456300605	53	80	33	45	28	M22x1,5
UPC32-BTP40-A=90	64456300905	53	95	63	45	30	M22x1,5
Clamping range Ø 3-26 mm - Collets GERC40							
UPC40-BTP40-A=60	66457300605	63	81	31	---	---	---
UPC40-BTP40-A=90	66457300905	63	86	61	56	25	M28x1,5

BTP

Suitable Accessories

Collets



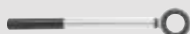
Page 150ff

Clamping Nuts



Page 164

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

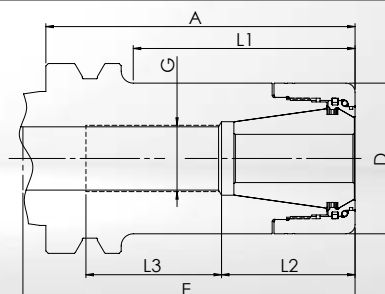
BTP40 FPC

FPC FULL PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Stable precision chuck, especially for trochoidal milling and other HPC milling strategies
Version with a multi-part clamping nut for optimised damping, especially for axial load



- **Chuck body and clamping nut separately balanced**
G6,3 at 18.000 1/min
- **Standard:** FPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \mu\text{m}$ with GERC-HP collets.

Description + A	Order-No. incl. FPC clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 2-20 mm - Collets GERC32							
FPC32-BTP40-A=60	62456300609	50	80	30	45	30	M22x1,5
FPC32-BTP40-A=75	62456300759	50	80	45	45	30	M22x1,5
FPC32-BTP40-A=90	62456300909	50	95	60	45	40	M22x1,5
FPC32-BTP40-A=105	62456301059	50	100	75	45	40	M22x1,5
FPC32-BTP40-A=120	62456301209	50	110	89,5	45	40	M22x1,5
FPC32-BTP40-A=150	62456301509	50	140	119,5	45	40	M22x1,5
FPC32-BTP40-A=165	62456301659	50	140	134,5	45	40	M22x1,5

Suitable Accessories

Collets



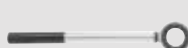
Page 150ff

Clamping Nuts



Page 164

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable Stop Screws



Page 165

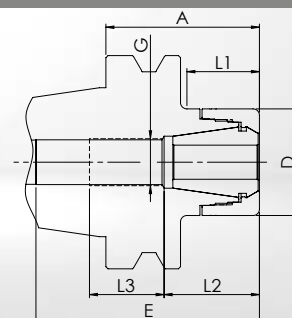
DPC DYNAMIC PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP50
DPC

Multifunctional precision chuck, especially for finishing and HDC milling
Cylindrical design for less interference contours



- **Chuck body and clamping nut separately balanced**
G6,3 at 18.000 1/min

- **Standard:** DPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \mu\text{m}$ with GERC-HP collets.

- **Alternative:** HSS clamping nut **with** 0,4 mm collet collapse. Concentricity of $\leq 10 \mu\text{m}$ with GERC-B collets. Not suitable for sealed collets.

Description + A	Order-No. incl. DPC clamping nut	Order-No. incl. HSS clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 1-10 mm - Collets GERC16								
DPC16-BTP50-A=105	62473301055	62473301056	30	150	56,5	31	22	M11x1
DPC16-BTP50-A=135	62473301355	62473301356	30	180	86,5	31	22	M11x1
DPC16-BTP50-A=165	62473301655	62473301656	30	210	116,5	31	41	M11x1
Clamping range Ø 1-13 mm - Collets GERC20								
DPC20-BTP50-A=105	62474301055	62474301056	32	150	61	36	46	M14x1
DPC20-BTP50-A=135	62474301355	62474301356	32	180	91	36	46	M14x1
DPC20-BTP50-A=165	62474301655	62474301656	32	210	121	36	46	M14x1
Clamping range Ø 1-16 mm - Collets GERC25								
DPC25-BTP50-A=105	62475301055	62475301056	40	150	60,5	43	36	M18x1,5
DPC25-BTP50-A=135	62475301355	62475301356	40	180	90,5	43	36	M18x1,5
DPC25-BTP50-A=165	62475301655	62475301656	40	200	120,5	43	36	M18x1,5
Clamping range Ø 2-20 mm - Collets GERC32								
DPC32-BTP50-A=75	62476300755	62476300756	50	120	34	45	35	M22x1,5
DPC32-BTP50-A=105	62476301055	62476301056	50	135	65,5	45	35	M22x1,5
DPC32-BTP50-A=135	62476301355	62476301356	50	165	95,5	45	35	M22x1,5
DPC32-BTP50-A=165	62476301655	62476301656	50	195	125,5	45	35	M22x1,5

Suitable Accessories

Collets



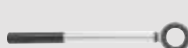
Page 138ff

Clamping Nuts



Page 162ff

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165

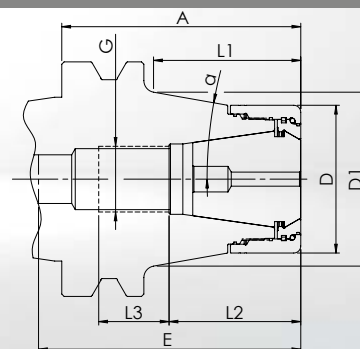
BTP50 UPC

UPC ULTRA POWER CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

Extremely stiff precision chuck for the most demanding tasks with predominantly radial load
Tapered design with a multi-part clamping nut for optimised damping and maximum stability



- **Chuck body and clamping nut separately balanced**
G6,3 at 18.000 1/min
- **Standard:** UPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \mu\text{m}$ with GERC-HP collets.

Description + A	Order-No. incl. UPC clamping nut	D = Wrench Ø	E	D1	α	L1	L2	L3	G
Clamping range Ø 2-20 mm - Collets GERC32									
UPC32C-BTP50-A=75	66476310755	53	114	55,2	10°	34	46	45	M22x1,5
UPC32C-BTP50-A=105	66476311055	53	144	65,5	10°	64	46	45	M22x1,5
Clamping range Ø 3-26 mm - Collets GERC40									
UPC40C-BTP50-A=75	66477310755	63	91	64,2	10°	34	55	30	M28x1,5
UPC40C-BTP50-A=105	66477311055	63	101	74,5	10°	64	55	30	M28x1,5

Note about UPC32: For longer A dimensions in cylindrical form A=135 and A=165, see FPC page 115.

Suitable Accessories

Collets



Page 150ff

Clamping Nuts



Page 164

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable Stop Screws



Page 165

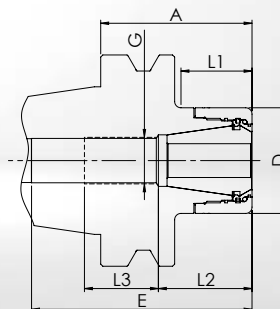
FPC FULL PERFORMANCE CHUCKS

JIS B 6339 (DIN ISO 7388-2) WITH FACE CONTACT

FORM AD - CENTRAL COOLANT SUPPLY

BTP50
FPC

Stable precision chuck, especially for trochoidal milling and other HPC milling strategies
Version with a multi-part clamping nut for optimised damping, especially for axial load



- **Chuck body and clamping nut separately balanced**
G6,3 at 18.000 1/min
- **Standard:** FPC high accuracy clamping nut **without** collet collapse. Concentricity of $\leq 3 \mu\text{m}$ with GERC-HP collets.

Description + A	Order-No. incl. FPC clamping nut	D = Wrench Ø	E	L1	L2	L3	G
Clamping range Ø 2-20 mm - Collets GERC32							
FPC32-BTP50-A=75	62476300759	50	120	34	45	35	M22x1,5
FPC32-BTP50-A=105	62476301059	50	135	65,5	45	35	M22x1,5
FPC32-BTP50-A=135	62476301359	50	165	95,5	45	35	M22x1,5
FPC32-BTP50-A=165	62476301659	50	195	125,5	45	35	M22x1,5

Suitable Accessories

Collets



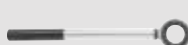
Page 150ff

Clamping Nuts



Page 164

Wrenches



Page 160

Mounting Devices



Page 161

Adjustable
Stop Screws



Page 165