

2025



CHUCKS



COMPANY PROFILE

- SofTool is a member of Xiāmen Tungsten Co., Ltd. It is a high-tech enterprise focusing on metal cutting tool bodies. As a steel product manufacturing enterprise integrating product research and development, process design, manufacturing, OEM/ODM, and product sales.

- We provide professional cutter tools and personalized and exclusive solutions for hydraulic chuck, shrink-fit chuck, boring tools, PSC product, chucks, damped tools, crank shaft, milling tool bodies, drilling stem for global customers. Our products are applied in wind (nuclear) power generation, mold manufacturing, automobiles, construction machinery, railways, petrochemicals and other fields.



CHUCKS

• TOOLING ALSO ARTS •



Chucks Contents

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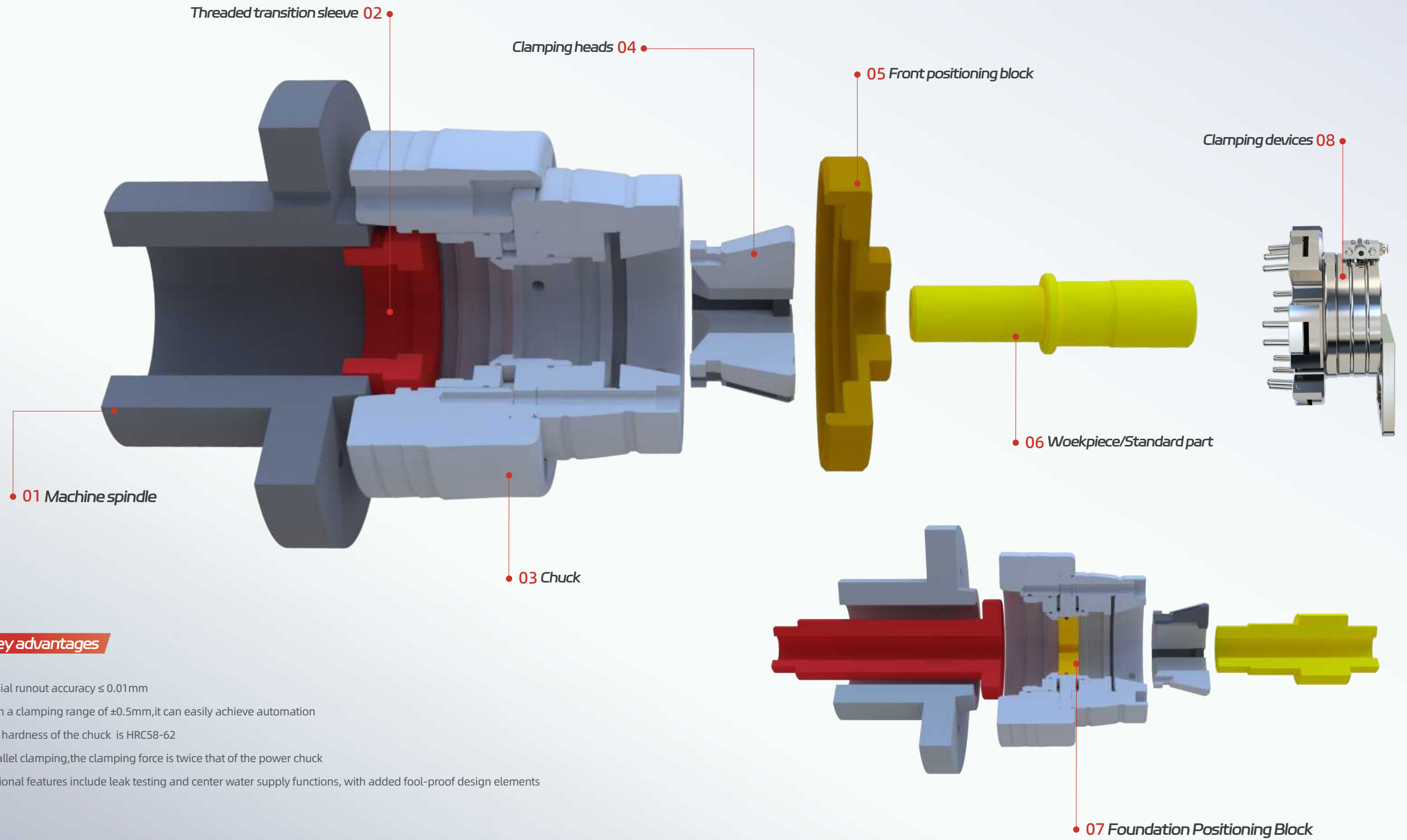
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chucks



Key advantages

- Radial runout accuracy $\leq 0.01\text{mm}$
- With a clamping range of $\pm 0.5\text{mm}$, it can easily achieve automation
- The hardness of the chuck is HRC58-62
- Parallel clamping, the clamping force is twice that of the power chuck
- Optional features include leak testing and center water supply functions, with added fool-proof design elements

Naming And Coding Rules

BC220	-	032	-	P	-	A204	-	117
01		02		03		04		05

01 Type	
BC220	Chuck

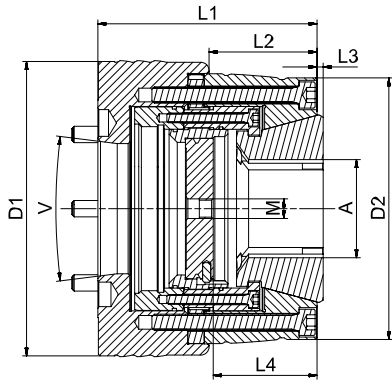
02 Clamping Type			
032	042	052	065
080	100	125	160

03 Tightening Method	
P	Pull back
D	Deadlength

04 Spindel Nose			
A204	A205	A206	A208
A211	AP120	AP140	AP170
AP220			

05 Total Length			
115	115mm	155	155mm
117	117mm	159	159mm
120	120mm	165	165mm
122	122mm	185	185mm
130	130mm	189	189mm
131	131mm	190	190mm
134	134mm	191	191mm
135	135mm	194	194mm
140	140mm	195	195mm
148	148mm	200	200mm

Chuck BC220-032



Technical parameters

Unit: mm

Size		32
Tightening method		pull-back
Clamping head roughing		BH210-032
Clamping head finishing		BH220-032
Run-out ≤ [mm]		0.01
Radial clamping force [kgf]		7000
Axial drawtube force [pull / push] [kgf]		2500
RPM n max. [1/min.]		8000
Clamping range [mm]	A	3-32

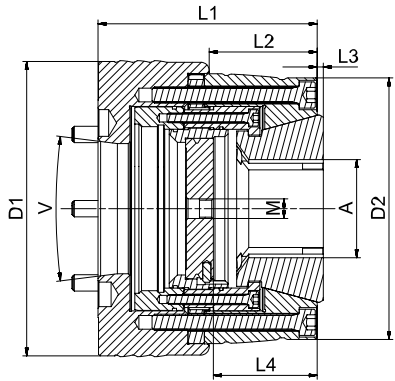
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-032-P-A204-117	A204	115	Ø 66 f7	117	55	6	3	52.5	10	6
BC220-032-P-A205-117	A205	135								7

• The spare parts can be ordered separately. Please inquire on demand

Please refer to

	
Clamping heads	Clamping devices
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CHUCK 220-042



Technical parameters

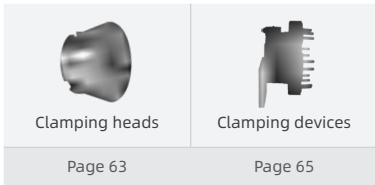
Unit: mm

Size		42
Tightening menthod		pull-back
Clamping head roughing		BH210-042
Clamping head finishing		BH220-042
Run-out ≤ [mm]		0.02
Radial clamping force [kgf]		8000
Axial drawtube force [pull / push] [kgf]		3500
RPM n max. [1/min.]		7000
Clamping range [mm]	A	3-42

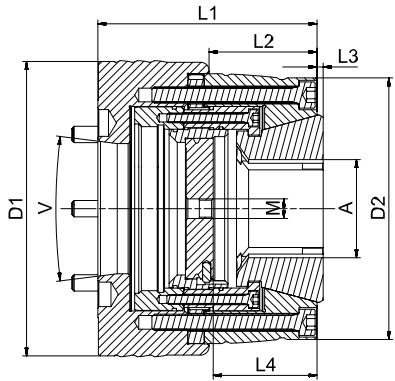
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-042-P-A204-144	A204	144	Ø 125 f7	112	59	9	4	56.5	10	11
BC220-042-P-A205-144	A205									10
BC220-042-P-A206-165	A206	165		115						12
BC220-042-P-AP120-144	AP120	144								10
BC220-042-P-AP140-150	AP140	150								11

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-052



Technical parameters

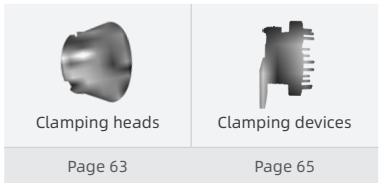
Unit: mm

Size		52
Tightening menthod		pull-back
Clamping head roughing		BH210-052
Clamping head finishing		BH220-052
Run-out ≤ [mm]		0.01
Radial clamping force [kgf]		9400
Axial drawtube force [pull / push] [kgf]		4000
RPM n max. [1/min.]		7000
Clamping range [mm]	A	3-52

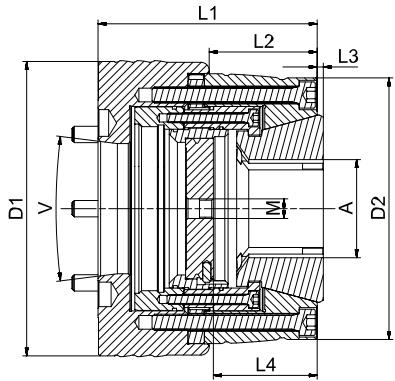
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-052-P-A205-122	A205	144	Ø 125 f7	122	59	4	4	56.5	10	10
BC220-052-P-A206-122	A206	165								12
BC220-052-P-AP120-115	AP120	144		115						10
BC220-052-P-AP140-115	AP140	150								10

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-065



Technical parameters

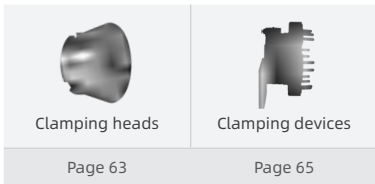
Unit: mm

Size		65
Tightening menthod		pull-back
Clamping head roughing		BH210-065
Clamping head finishing		BH220-065
Run-out ≤ [mm]		0.01
Radial clamping force [kgf]		10500
Axial drawtube force [pull / push] [kgf]		4500
RPM n max. [1/min.]		6000
Clamping range [mm]	A	4-65

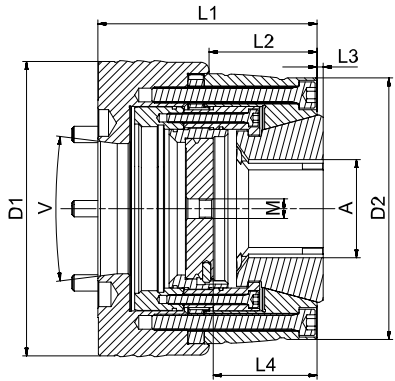
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-065-P-A205-131	A205	160	Ø 145 f7	131	66	9	4	63.5	12	13.6
BC220-065-P-A206-130	A206	165		130						13.2
BC220-065-P-A208-131	A208	210		131						19
BC220-065-P-AP120-120	AP120	160		120						13
BC220-065-P-AP140-120	AP140									12.5
BC220-065-P-AP170-115	AP170	184		115						14

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-080



Technical parameters

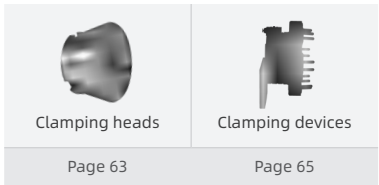
Unit: mm

Size		80
Tightening menthod		pull-back
Clamping head roughing		BH210-080
Clamping head finishing		BH220-080
Run-out ≤ [mm]		0.01
Radial clamping force [kgf]		11500
Axial drawtube force [pull / push] [kgf]		5000
RPM n max. [1/min.]		5500
Clamping range [mm]	A	4-80

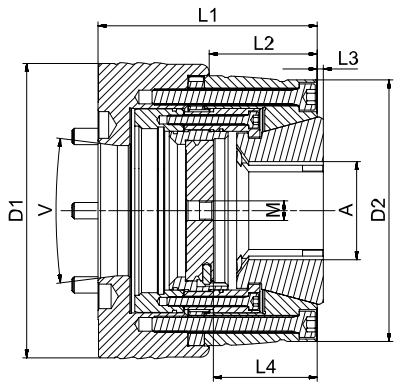
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-080-P-A205-134	A205	180	Ø 160 f7	134	66	4	4	63.5	12	17
BC220-080-P-A206-135	A206			135						16
BC220-080-P-A208-140	A208	210		140						21
BC220-080-P-AP170-135	AP170	180		135						17
BC220-080-P-AP220-148	AP220	235		148						17

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-100



Technical parameters

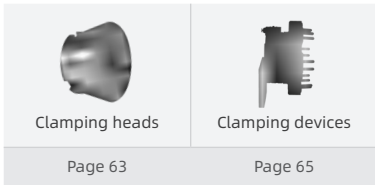
Unit: mm

Size		100
Tightening menthod		pull-back
Clamping head roughing		BH210-100
Clamping head finishing		BH220-100
Run-out ≤ [mm]		0.015
Radial clamping force [kgf]		15000
Axial drawtube force [pull / push] [kgf]		6500
RPM n max. [1/min.]		5000
Clamping range [mm]	A	15-100

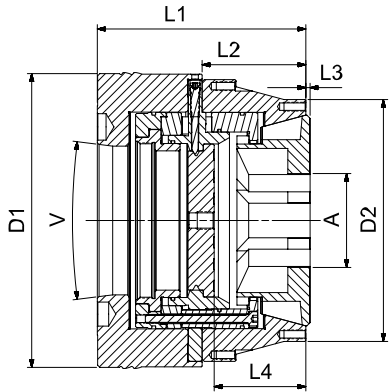
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]					
BC220-100-P-A206-155	A206	235	Ø 215 f7	155	78.5	0	0	73	12	33.5					
BC220-100-P-A208-159	A208			159						33					
BC220-100-P-A211-165	A211	280		165						43					
BC220-100-P-AP170-159	AP170	235		159						35					
BC220-100-P-AP220-159	AP220	240													

• The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-125



Technical parameters

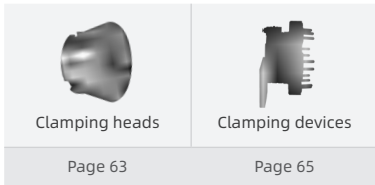
Unit: mm

Size		125
Tightening menthod		pull-back
Clamping head roughing		BH210-125
Clamping head finishing		BH220-125
Run-out ≤ [mm]		0.02
Radial clamping force [kgf]		16500
Axial drawtube force [pull / push] [kgf]		7000
RPM n max. [1/min.]		3200
Clamping range [mm]	A	25-125

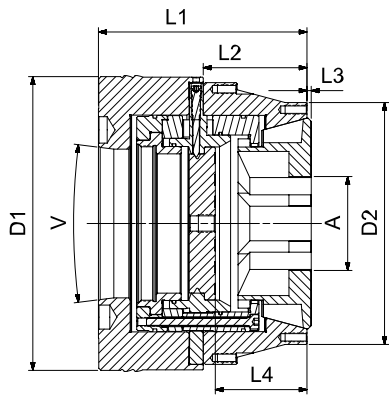
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-125-P-A206-191	A206	270	Ø 221.5 f7	191	95	4	4	87.5	12	50
BC220-125-P-A208-191	A208									48
BC220-125-P-A211-191	A211	280		46						
BC220-125-P-AP170-185	AP170	270		185						49
BC220-125-P-AP220-190	AP220			190						47

• The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck BC220-160



Technical parameters

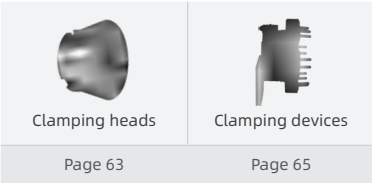
Unit: mm

Size		160
Tightening menthod		pull-back
Clamping head roughing		BH210-160
Clamping head finishing		BH220-160
Run-out ≤ [mm]		0.025
Radial clamping force [kgf]		23500
Axial drawtube force [pull / push] [kgf]		10000
RPM n max. [1/min.]		3200
Clamping range [mm]	A	27-160

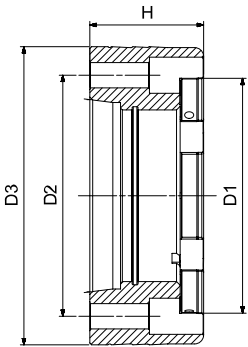
Order no.	V	D1	D2	L1	L2	L3(ROUGH)	L3(FINE)	L4	M	Weight [kg]
BC220-160-P-A206-190	A206	302	Ø 254 f7	190	95	5	5	89.5	12	60
BC220-160-P-A208-195	A208			195						61
BC220-160-P-A211-200	A211			200						59
BC220-160-P-AP170-189	AP170			189						62
BC220-160-P-AP220-194	AP220			194						

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



Chuck flanges



Technical parameters

Unit: mm

Order no.	Corresponding chuck	Spindle nose	H	D1	D2	D3
BC230-032-A204-106-062	BC220-032-P-A204-117	A204	62	LKØ82.6(3XM10)	115	106
BC230-032-A205-106-062	BC220-032-P-A205-117	A205	62	LKØ104.8 (6XM10)	135	106
BC230-042-A204-131-0063	BC220-042-P-A204-122	A204	63	LKØ82.6 (3XM10)	144	131
BC230-042-A204-131-063	BC220-042-P-A205-122	A205	63	LKØ104.8 (6XM10)	144	131
BC230-042-A204-131-063	BC220-042-P-A206-122	A206	63	LKØ133.4(6XM12)	165	131
BC230-042-AP120-131-062	BC220-042-P-AP120-115	AP120	62	LKØ104.8(6XM10)	144	131
BC230-042-AP140-131-062	BC220-042-P-AP140-115	AP140	62	LKØ104.8(6XM10)	150	131
BC230-052-A205-131-063	BC220-052-P-A205-122	A205	63	LKØ104.8(6XM10)	144	131
BC230-052-A206-131-063	BC220-052-P-A206-122	A206	63	LKØ133.4(6XM12)	165	131
BC230-052-A206-131-062	BC220-052-P-AP120-115	AP120	62	LKØ104.8(6XM10)	144	131
BC230-052-AP120-131-062	BC220-052-P-AP140-115	AP140	62	LKØ104.8(6XM10)	150	131
BC230-065-A205-148-065	BC220-065-P-A205-131	A205	65	LKØ104.8(6XM10)	160	148
BC230-065-A206-148-064	BC220-065-P-A206-130	A206	64	LKØ133.4(6XM12)	165	148
BC230-065-A208-148-065	BC220-065-P-A208-131	A208	65	LKØ171.4(6XM16)	210	148
BC230-065-AP120-148-060	BC220-065-P-AP120-120	AP120	60	LKØ104.8(6XM10)	160	148
BC230-065-AP140-148-060	BC220-065-P-AP140-120	AP140	60	LKØ104.8(6XM10)	160	148
BC230-065-AP170-148-055	BC220-065-P-AP170-115	AP170	55	LKØ133.4(6XM12)	180	148
BC230-080-A205-1065-068	BC220-080-P-A205-134	A205	68	LKØ104.8(6XM10)	180	165
BC230-080-A206-1065-069	BC220-080-P-A206-135	A206	69	LKØ133.4(6XM12)	180	165
BC230-080-A208-1065-074	BC220-080-P-A208-140	A208	74	LKØ171.4(6XM16)	210	165
BC230-080-AP170-165-075	BC220-080-P-AP170-135	AP170	75	LKØ133.4(6XM12)	180	165
BC230-080-AP220-165-088	BC220-080-P-AP220-148	AP220	88	LKØ171.4(6XM16)	235	165

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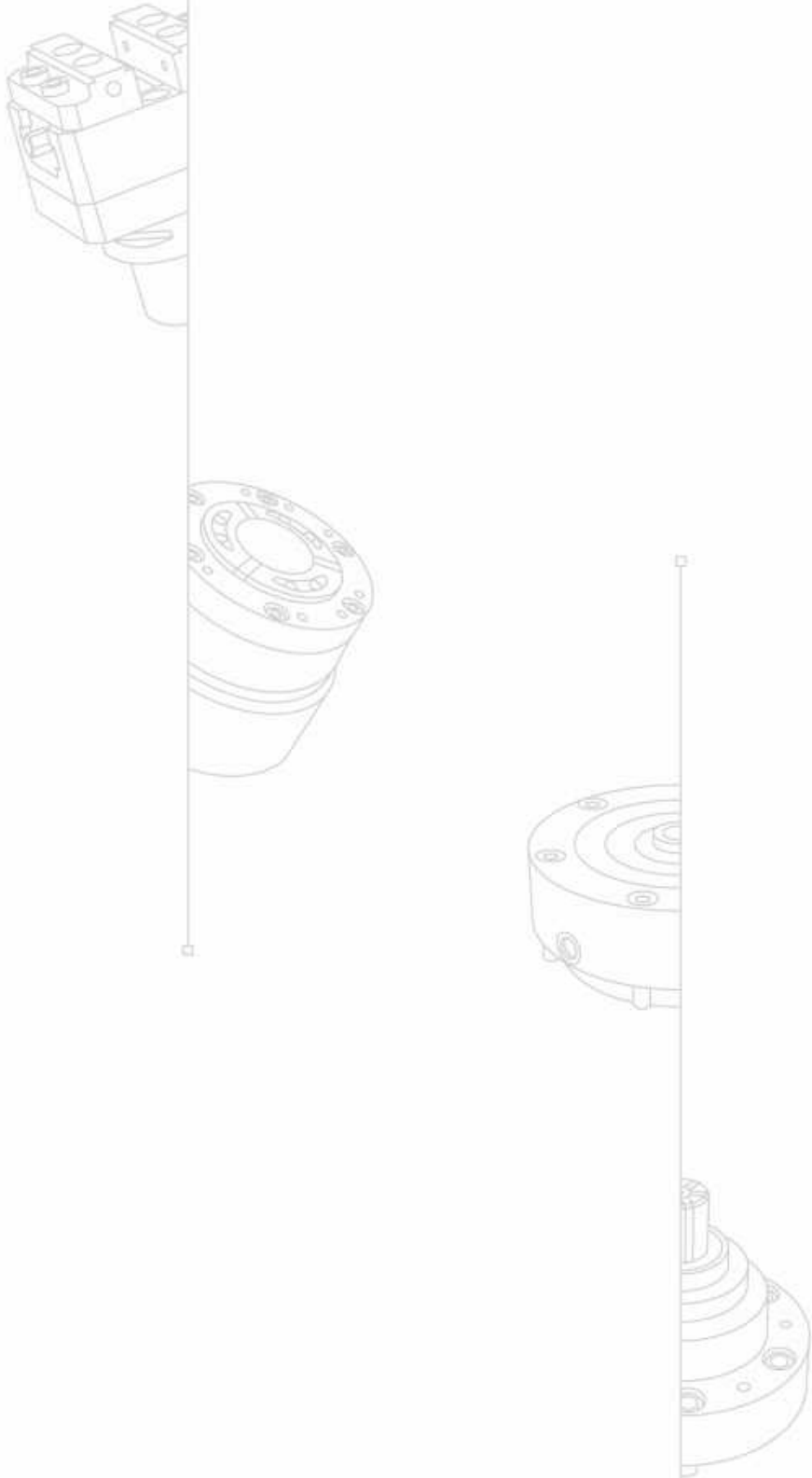
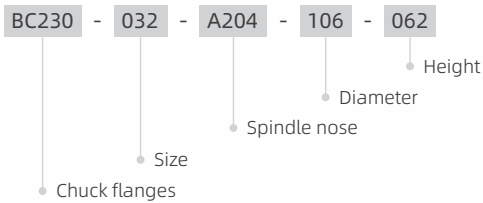
Chuck flanges

Technical parameters

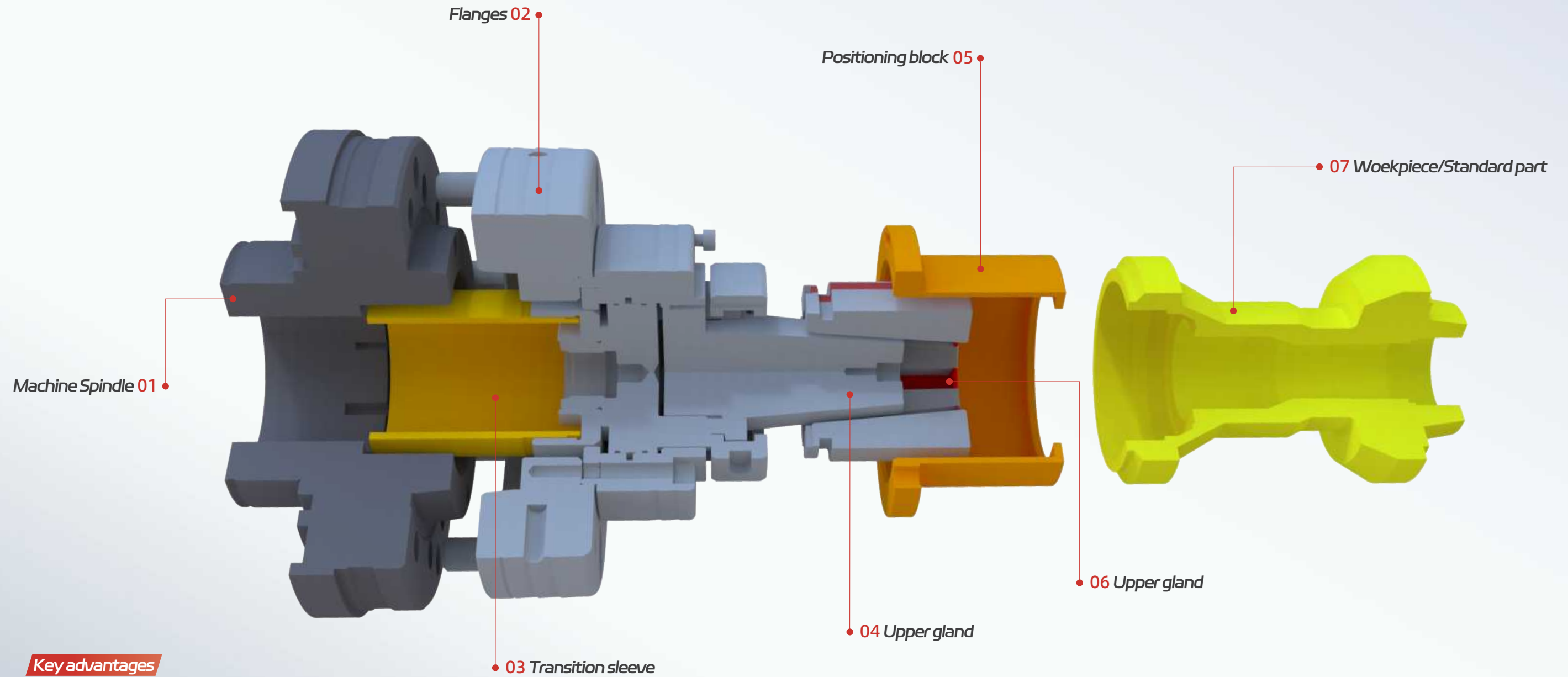
Unit: mm

Order no.	Corresponding chuck	Spindle nose	H	D1	D2	D3
BC230-100-A206-219-76.5	BC220-100-P-A206-155	A206	76.5	LKØ133.4(6XM12)	235	219
BC230-100-A208-219-80.5	BC220-100-P-A208-159	A208	80.5	LKØ171.4(6XM16)	235	219
BC230-100-A211-219-86.5	BC220-100-P-A211-165	A2011	86.5	LKØ235(8XM18/M20)	280	219
BC230-100-AP170-219-73.5	BC220-100-P-AP170-159	AP170	73.5	LKØ133.4(6XM12)	235	219
BC230-100-AP220-219-86.5	BC220-100-P-AP220-159	AP220	86.5	LKØ171.4(6XM16)	240	219
BC230-125-A206-258-096	BC220-125-P-A206-191	A206	96	LKØ133.4(6XM12)	269	258
BC230-125-A208-258-096	BC220-125-P-A208-191	A208	96	LKØ171.4(6XM16)	269	258
BC230-125-A211-258-096	BC220-125-P-A211-191	A2011	96	LKØ235(8XM18/M20)	279	258
BC230-125-AP170-258-096	BC220-125-P-AP170-185	AP170	96	LKØ133.4(6XM12)	269	258
BC230-125-AP220-258-101	BC220-125-P-AP220-190	AP220	101	LKØ171.4(6XM16)	269	258
BC230-160-A206-290-095	BC220-160-P-A206-190	A206	95	LKØ133.4(6XM12)	301	290
BC230-160-A208-290-100	BC220-160-P-A208-195	A208	100	LKØ171.4(6XM16)	301	290
BC230-160-A211-290-105	BC220-160-P-A211-200	A2011	105	LKØ235(8XM18/M20)	301	290
BC230-160-AP170-290-100	BC220-160-P-AP170-189	AP170	100	LKØ133.4(6XM12)	301	290
BC230-160-AP220-290-105	BC220-160-P-AP220-194	AP220	105	LKØ171.4(6XM16)	301	290

Naming And Coding Rules



Arbor



Key advantages

- Radial runout accuracy $\leq 0.01\text{mm}$
- With a clamping of $\pm 0.5\text{mm}$, it can easily achieve automation
- The hardness of the chuck is HRC58-62
- Parallel clamping, the clamping force is twice that of the power chuck
- Optional features include leak testing and center water supply functions, with added fool-proof design elements

Naming And Coding Rules

BM120	-	3S	-	RD	-	008013
01		02		03		04

01 Type	
BM120	Mandrel
BM210	Gear cutting
BM220	Gear grinding

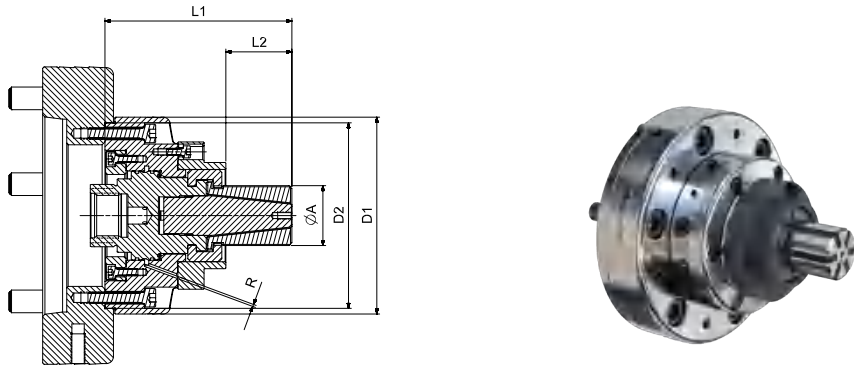
02 Clamping Type			
3S	2S	1S	
00	01	02	03
04	05	06	07

03 Profile	
RD	Round

05 Clamping Range			
008013	8-13mm	013019	13-19mm
016021	16-21mm	020028	20-28mm
026038	26-38mm	036054	36-54mm
050080	50-80mm	069120	69-120mm
100130	100-130mm	130160	130-160mm
160190	160-190mm		



Mandrel BM120-3S 2S 1S 00



Technical parameters

Unit: mm

Size	3S	2S	1S	00
Clamping range	8-13	13-19	16-21	20-28
Clamping Bushing	BS130-3S	BS130-2S	BS130-1S	BS130-00
Run-out ≤ [mm]	0.02			0.01
Radial clamping force [kgf]	4200			
Axial drawtube force [pull / push] [kgf]	1000			
RPM n max. [1/min.]	7000			

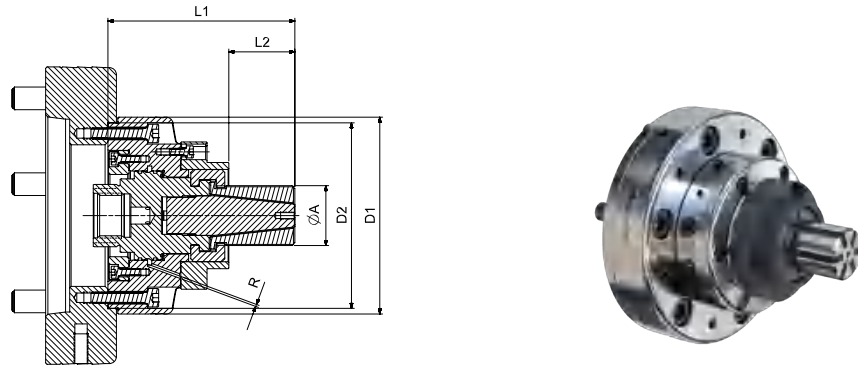
Order no.	L1	L2	D1	D2	R	Weight [kg]
BM120-3S-RD-008013	100.5	12.9	139	131	3	5.4
BM120-2S-RD-013019	95	14				5
BM120-1S-RD-016021	97	15				5.1
BM120-00-RD-020028	108	21				5.8

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

			
Segmented clamping bushings	Flanges BM140	Static manual mandrel base BM410	Static hydraulic mandrel base BM420
Page 67	Page 33	Page 60	Page 61

Mandrel BM120-01 02 03 04



Technical parameters

Unit: mm

Size	01	02	03	04
Clamping range	26-38	36-54	50-80	69-100
Clamping Bushing	BS130-01	BS130-02	BS130-03	BS130-04
Run-out ≤ [mm]	0.01			
Radial clamping force [kgf]	4200	8500	10500	1500
Axial drawtube force [pull / push] [kgf]	1000	2000	2500	3500
RPM n max. [1/min.]	7000		6000	

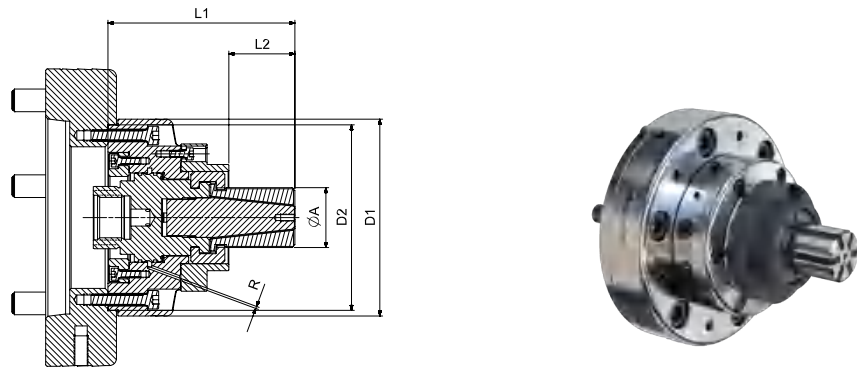
Order no.	L1	L2	D1	D2	R	Weight [kg]
BM120-01-RD-026038	114	25	139	131	3	5.8
BM120-02-RD-036054	132	40				7.7
BM120-03-RD-050080	140	44.5				8.6
BM120-04-RD-069120	148.5	52.5				9.8

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

			
Segmented clamping bushings	Flanges BM140	Static manual mandrel base BM410	Static hydraulic mandrel base BM420
Page 67	Page 33	Page 60	Page 61

Mandrel BM120-05 06 07



Technical parameters

Unit: mm

Size	05	06	07
Clamping range	100-130	130-160	160-190
Clamping Bushing	BS130-05	BS130-06	BS130-07
Run-out ≤ [mm]	0.01		
Radial clamping force [kgf]	17000		19000
Axial drawtube force [pull / push] [kgf]	4000		4500
RPM n max. [1/min.]	5000	4000	3200

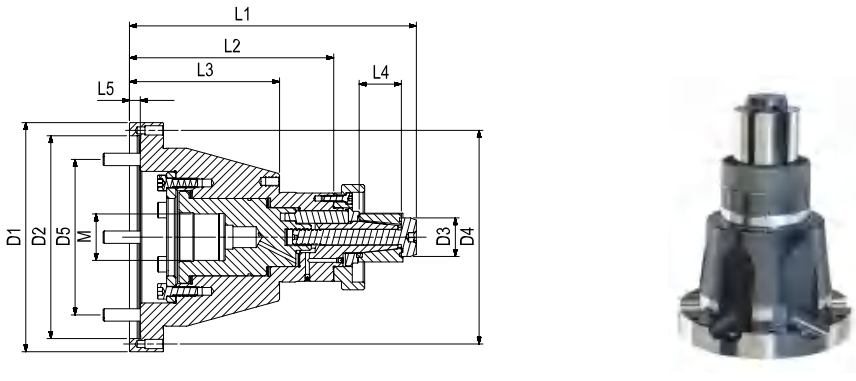
Order no.	L1	L2	D1	D2	R	Weight [kg]
BM120-05-RD-100130	175	53	230	219	3	27.6
BM120-06-RD-130160	188.5	61	231			32.6
BM120-07-RD-160190	188.5	55	237			36.6

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

			
Segmented clamping bushings	Flanges BM140	Static manual mandrel base BM410	Static hydraulic mandrel base BM420
Page 67	Page 33	Page 60	Page 61

Geat cutting BM210



- Radial runout accuracy ≤ 0.01mm
- Clamping range:20-120mm
- The hardness of the chuck is HRC58-62.
- Equipped with an airtightness testing function and enhanced with a fool-proof design

Technical parameters

Unit: mm

Size		0	1	2	3	4
Clamping range [mm]	A	20-28	26-38	36-54	50-80	69-120
Run-out ≤ [mm]		0.01				
Radial clamping force [kgf]		4200		8500	10500	15000
Axial drawtube force [pull / push] [kgf]		1000		2000	2500	3500
RPM n max. [1/min.]		600				

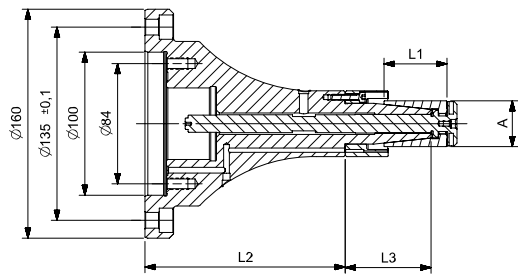
Order no.	L1	L2	L3	L4	L5	D1	D2	D3	D4	D5	M	Weight [kg]
BM210-00-RD-020028	178	132	97	22	7	148	Ø131H7	19	LK Ø138 [3 x M6]	LK Ø116 [6 x M8]	M30x1.5	5.9
BM210-01-RD-026038	185.5			26				25				7.5
BM210-02-RD-036054	199.5	127	77	43				35				
BM210-03-RD-050080	205.5			49				49				7.7
BM210-04-RD-069120	220			59				68				9.7

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

		
Segmented clamping bushings BS110	Static manual mandrel base BM410	Static hydraulic mandrel base BM420
Page 66	Page 60	Page 61

/// Gear grinding BM220



- Radial runout accuracy ≤ 0.01mm
- Clamping range: 22-120mm
- The hardness of the chuck is HRC58-62.
- Equipped with an airtightness testing function and enhanced with a fool-proof design

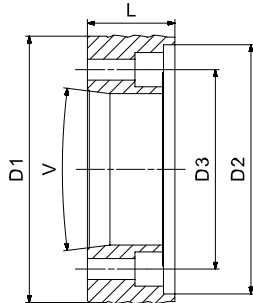
› Technical parameters

Unit: mm

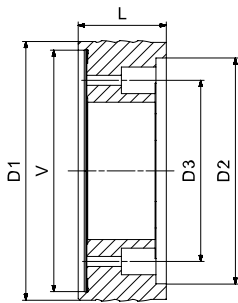
Order no.	A	L1	L2	L3
BM220-00-RD-022032	22-32	26	173	35
BM220-01-RD-032045	32-45	44	140	60
BM220-02-RD-040065	40-65	50	112	60
BM220-03-RD-060090	60-90	60	112	70
BM220-04-RD-080120	80-120	70	140	72.5

- Adhesive chuck (with tie rod) for inquiry
- The size and model of the end support seat are determined according to the form and size of the specific processing size products

/// Merald flanges BM140



① A204-A211



② AP120-AP220

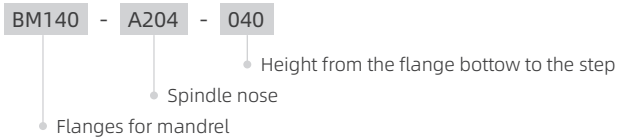


› Technical parameters

Unit: mm

Order no.	Size	V	Flange type	D1	D2	D3	L1
BM140-A204-040	BM120-3S	A204	1	140	131	LK Ø82.6[3×M10]	46
BM140-A205-040		A205				LK Ø104.8[6×M10]	
BM140-A206-060		A206				LK Ø133.4[6×M12]	66
BM140-A206-080						LK Ø171.4[6×M16]	86
BM140-A208-044	~	A208	2	210	LK Ø171.4[6×M16]	50	
BM140-AP120-040	BM120-04	AP120		140	LK Ø104.8[6×M10]	51	
BM140-AP140-040		AP140		150	LK Ø133.4[6×M12]		
BM140-AP170-040		AP170		180	LK Ø171.4[6×M16]		
BM140-AP220-040		AP220		230	LK Ø171.4[6×M16]		
BM140-A206-063	5-7	A206	1	235	219	LK Ø133.4[6×M12]	76.5
BM140-A208-067		A208				LK Ø171.4[6×M16]	80.5
BM140-A211-073		A211		280		LK Ø235[6×M20]	86.5

› Naming And Coding Rules



Power chucks

4-Jaw hollow power chuck 01



03 3-Jaw hollow power chuck

02 2-Jaw hollow power chuck

Naming And Coding Rules



01 Type	
BC510	3-jaw hollow power chuck
BC610	2-Jaw hollow power chuck
BC410	4-jaw hollow power chuck
BC520	3-jaw pull ball-lock power chuck
BC530	3-jaw clined pull air-tight power chuck
BC540	Pull compensating power chuck
BC550	3-jaw stationary chuck with through-hole

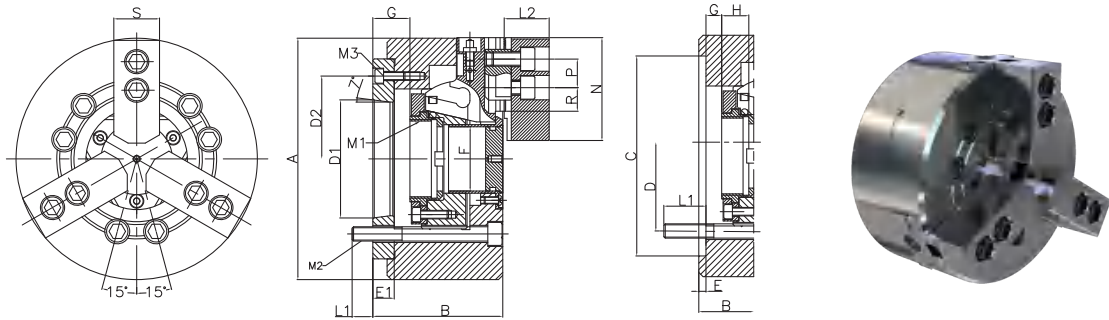
02 Power Menthod	
YK	Hydraulic
QS	Pull-lock
YX	Clined pull air-tight
YF	Pull compensating
KL	Vertical

03 Size		
304	204	406
305	205	408
306	206	410
308	208	412
310	210	415
312	212	418
315	215	
318		

04 Spindel Nose			
A204	A205	A206	A208
A211			



3-Jaw hollow power chuck



- High strength stable wearable
- High precision,high cycle life

Technical parameters

Unit: mm

Order no.	BC510-YK-304	BC510-YK-305-A204	BC510-YK-306-A205	BC510-YK-308-A205	BC510-YK-308-A206	BC510-YK-310-A206	BC510-YK-310-A208	BC510-YK-312-A208	BC510-YK-315-A208	BC510-YK-315-A211	BC510-YK-318-A211
Size	304	305	306	308		310		312	315		318
Clamping range	7-110	12-135	15-168	13-210		31-254		34-304	50-381		50-450
Spindle nose	/	A204	A205	A205	A206	A206	A208	A208	A208	A211	A211
Max. clamping force [kgf]	2900	3650	5800	8750		11300		14650	18350		18350
Max. Pull force [kgf]	1400	1750	2200	3500		4380		5600	7250		7250
Max.pressure Mpa	2.1 (21)	2.6 (26)	2.5 (25)	2.8 (28)		2.6 (26)		2.6 (26)	2.4 (24)		2.4 (24)
RPM n max. [1/min]	7000	6000	5500	5,000		4200		3300	2500		2000
Matching cylinder	KY-428T	KY-536T	KY-646T	KY-852T		KY-1075T		KY-1291T	KY-1512T		KY-1512T
Jaw stroke [mm]	5.4	5.4	5.5	7		8.8		10.6	10.6		10.6
Piunger stroke[mm]	10	10	12	16		19		19	23		23
Moment of inertlal[Kg.m2]	0.01	0.02	0.06	0.18		0.33		0.77	2.47	2.39	4.78
A	110	135	169	210		254		304	381		450
B	59~	60~71	81~91	91~109	91~103	100~120	100~113	110~122	133~160	133~149	133~149
C(H6)	85	110	140	170		220		220	300		300

see next page →

3-Jaw hollow power chuck

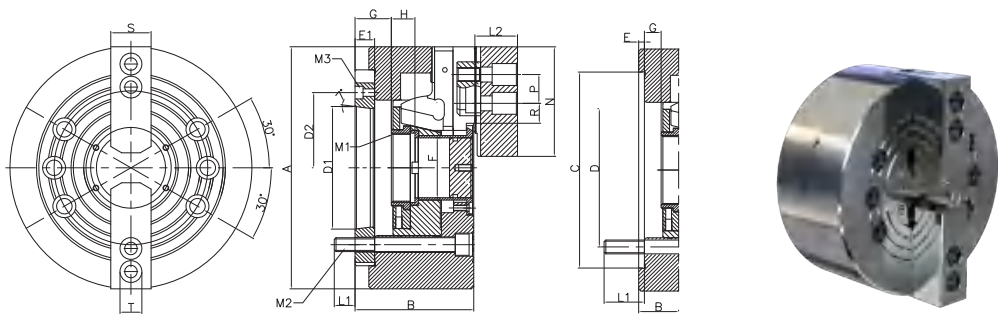
Technical parameters

Unit: mm

D	70.6	82.6	104.8	133.4		171.4		171.4	235		235
D1	—	63.51	82.56	82.56	106.38	106.38	139.72	139.72	139.72	196.87	196.87
D2	—	96	116	104.8	150	133.4	190	190	171.4	260	260
E	4	4	5	5		5		6	6		6
E1	—	15	15	23	17	25	18	18	33	22	22
F	26	33	45	52		75		91	120		120
Gmax	3.5~	1~16	11~26	14.5~37.5	14.5~31.5	8.5~33.5	8.5~26.5	8~26	11~44	11~33	11~33
Gmin	-6.5~	-9~6	-1~14	-1.5~21.5	-1.5~15.5	-10.5~14.5	-10.5~7.5	-15~3	-12~21	-12~10	-12~10
H	17.5	20	19	20.5		25		28	39		39
J	12	12	20	30		45		50	60		60
L1	16~	15~15	16~16	20~17	20~18	22~18	22~24	23~25	30~24	30~28	30~28
L2	24	31	37	38		43		51	63		63
M1	M32X1.5	M40X1.5	M55X2	M60X2		M85X2		M100X2	M130X2		M130X2
M2	3-M10	3-M10	6-M10	6-M12		6-M16		6-M16	6-M20		6-M20
M3	-	3-M6	3-M6	6-M10	3-M6	6-M12	3-M8	3-M8	6-M16	3-M10	3-M10
N	52	62	73	95		110		130	165		165
P	14	14	20	25		30		30	43		43
Rmax	11.3	19.8	22.8	29.8		33.8		45.8	47.3		79.2
Rmin	6.8	7.8	9.3	14.8		14.3		15.8	18.2		18.2
S	25	25	31	35		40		50	62		62
T	10	10	12	14		16		21	25.5 or 22	25.5 or 22	25.5 or 22
Weight [kg]	4~	6.7~7.5	11.9~13.7	22.5~25.4	22.5~23.6	34.5~41.5	34.5~40	56.6~59.5	120~134	120~127	164~178

- The spare parts can be ordered separately. Please inquire on demand

2-Jaw hollow power chuck



- High strength stable wearable
- High precision, high cycle life
- Suitable for irregular workpieces processing

Technical parameters

Unit: mm

Order no.	BC610-YK-204	BC610-YK-205-A204	BC610-YK-206-A205	BC610-YK-208-A205	BC610-YK-208-A206	BC610-YK-210-A26	BC610-YK-210-A208	BC610-YK-212-A208	BC610-YK-215-A208	BC610-YK-215-A211
Size	204	205	206	208		210	212	215		
Clamping range	7-110	12-135	15-168	13-210		31-254	34-304	50-381		
Spindle nose	/	A204	A205	A205	A206	A206	A208	A208	A208	A211
Max. clamping force [kgf]	1930	2440	3870	5840		7540	9780	119.6(12200)		
Max. Pull force [kgf]	940	1190	1470	2360		2900	3740	4790		
Max.pressure Mpa	1.9 (19)	1.8 (18)	1.7 (17)	1.9 (19)		1.8 (18)	1.8 (18)	1.7 (17)		
RPM n max. [1/min]	8000	7000	6000	5,000		4200	3300	2500		
Matching cylinder	KY-428T	KY-536T	KY-646T	KY-852T		KY-1075T	KY-1291T	KY-1512T		
Jaw stroke [mm]	5.4	5.4	5.5	7		8.8	10.6	10.6		
Piunger stroke[mm]	10	10	12	16		19	19	23		
Moment of inertlal[Kg.m2]	0.01	0.02	0.06	0.17		0.31	0.70	2.42	2.34	
A	110	135	169	210		254	304	381		
B	59~	60~71	81~91	91~109	91~103	100~120	100~113	110~122	133~160	133~149
C(H6)	85	110	140	170		220	220	300		

see next page →

2-Jaw hollow power chuck

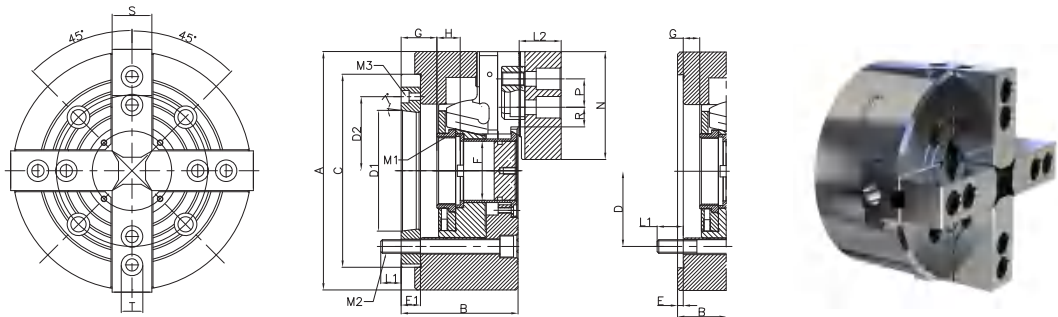
Technical parameters

Unit: mm

D	70.6	82.6	104.8	133.4		171.4		171.4	235	
D1	—	63.51	82.56	82.56	106.38	106.38	139.72	139.72	139.72	196.87
D2	—	96	116	104.8	150	133.4	190	190	171.4	260
E	4	4	5	5		5		6	6	
E1	—	15	15	23	17	25	18	18	33	22
F	26	33	45	52		75		91	120	
Gmax	3.5~	1~16	11~26	14.5~37.5	14.5~31.5	8.5~33.5	8.5~26.5	8~26	11~44	11~33
Gmin	-6.5 ~	-9~6	-1~14	-1.5~21.5	-1.5~15.5	-10.5~14.5	-10.5~7.5	-15~3	-12~21	-12~10
H	17.5	20	19	20.5		25		28	39	
J	12	12	20	30		45		50	60	
L1	16~	15~15	16~16	20~17	20~18	22~18	22~24	23~25	30~24	30~28
L2	24	31	37	38		43		51	63	
M1	M32X1.5	M40X1.5	M55X2	M60X2		M85X2		M100X2	M130X2	
M2	4-M10	4-M10	6-M10	6-M12		6-M16		6-M16	6-M20	
M3	-	4-M6	4-M6	6-M10	4-M6	6-M12	4-M8	4-M8	6-M16	4-M10
N	52	62	73	95		110		130	165	
P	14	14	20	25		30		30	43	
Rmax	11.3	19.8	22.8	29.8		33.8		45.8	47.3	
Rmin	6.8	7.8	9.3	14.8		14.3		15.8	18.2	
S	25	25	31	35		40		50	62	
T	10	10	12	14		16		21	25.5 or 22	25.5 or 22
Weight [kg]	3.8~	6.7~7.3	11.5~13.3	21.3~24.2	21.3~22.4	33.5~40.5	33.5~39	59.7~62.7	115~129	115~122

- The spare parts can be ordered separately. Please inquire on demand

4-Jaw hollow power chuck



- High strength stable wearable
- High precision,high cycle life
- Suitable for irregular workpieces processing

Technical parameters

Unit: mm

Order no.	BC410-YK-406-A205	BC410-YK-405-A205	BC410-YK-406-A206	BC410-YK-408-A206	BC410-YK-408-A208	BC410-YK-312-A208	BC410-YK-310-A208	BC410-YK-310-A211	BC410-YK-318-A211
Size	406	408		410		412	415		418
Clamping range	15-168	13-210		31-254		34-304	50-381		50-450
Spindle nose	A205	A205	A206	A206	A208	A208	A208	A211	A211
Max. clamping force [kgf]	5800	8570		11300		14650	18350		18350
Max. Pull force [kgf]	2200	3500		4380		5600	7250		7250
Max.pressure Mpa	2.5 (25)	2.8 (28)		2.6 (26)		2.6 (26)	2.4 (24)		2.4 (24)
RPM n max. [1/min]	5000	4200		3,400		2700	2000		1700
Matching cylinder	KY-646T	KY-852T		KY-1075T		KY-1291T	KY-1512T		KY-1512T
Jaw stroke [mm]	5.5	7.4		9		10.6	10.6		10.6
Piunger stroke[mm]	12	16		19		19	23		23
Moment of inertla[Kg.m2]	0.07	0.19		0.34		0.79	2.5	2.42	4.85
A	169	210		254		304	381		450
B	81~91	91~109	91~103	100~120	100~113	110~122	133~160	133~149	133~149
C(H6)	140	170		220		220	300		300

see next page →

4-Jaw hollow power chuck

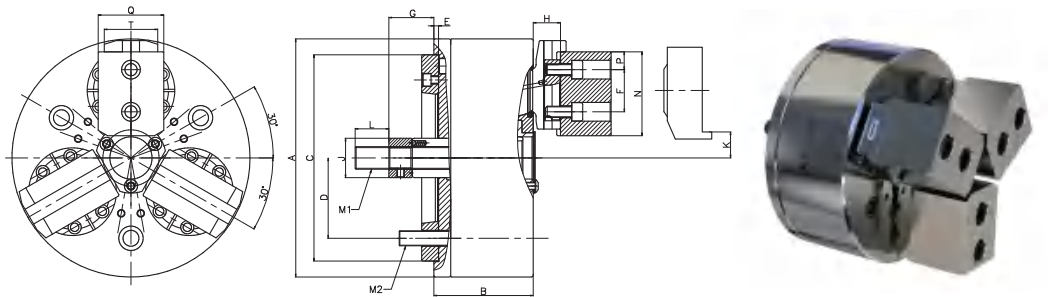
Technical parameters

Unit: mm

D	82.6	104.8	133.4	174.4		171.4	235		235
D1	82.56	82.56	106.38	106.38	139.72	139.72	139.72	196.87	196.87
D2	116	104.8	150	133.4	190	190	171.4	260	260
E	5	5		5		6	6		6
E1	15	23	17	25	18	18	33	22	22
F	45	52		75		91	120		120
Gmax	11~26	14.5~37.5	14.5~31.5	8.5~33.5	8.5~26.5	8~26	11~44	11~33	11~33
Gmin	-1~14	-1.5~21.5	-1.5~15.5	-10.5~14.5	-10.5~7.5	-15~3	-12~21	-12~10	-12~10
H	19	20.5		25		28	39		39
J	20	30		45		50	60		60
L1	16~16	20~17	20~18	22~18	22~24	23~25	30~24	30~28	30~28
L2	37	38		43		51	63		63
M1	M55X2	M60X2		M85X2		M100X2	M130X2		M130X2
M2	4-M10	4-M12		4-M12		4-M16	4-M20		M4-M20
M3	4-M6	6-M10	4-M6	6-M12	4-M8	4-M8	6-M16	4-M10	4-M10
N	73	95		110		130	165		165
P	20	25		30		30	43		43
Rmax	22.8	29.8		33.8		45.8	47.3		79.2
Rmin	9.3	14.8		14.3		15.8	18.2		18.2
S	31	35		40		50	62		62
T	12	14		16		21	25.5 or 22		25.5 or 22
Weight [kg]	12.5~14.3	23.5~25.4	23.5~24	36~41	36~29	62~65	124~138	124~130	170~184

- The spare parts can be ordered separately. Please inquire on demand

3-Jaw pull ball-lock power chuck



- Suitable for clamping forging and casting parts. The claw moves freely about 5 degrees and has a strong clamping force
- The ball design of the main jaw can prevents effectively the debris and coolant from entering the chuck
- Deviation adjustment of 5 degrees around the outer diameter, can firmly clamp all kinds of workplece
- Radial and backward pull motion, can firmly holding the biggest Angle of 10° of casting and forging

Technical parameters

Unit: mm

Order no.	BC520-QS-306	BC520-QS-308	BC520-QS-310
Size	306	308	310
Clamping range	70-152	76-203	85-235
Max. clamping force [kgf]	7140	9780	12540
Max. Pull force [kgf]	2370	3260	4180
Max.pressure Mpa	2.1(21)	2.8(28)	2.6(26)
RPM n max. [1/min]	4000	3500	3,000
Matching cylinder	SY-125	SY-125	SY-150
Jaw stroke [mm]	7.9	9.5	12.7
Piunger stroke[mm]	11.3	14.3	17.5
Moment of inertlal[Kg.m2]	0.15	0.48	1.23

see next page →

3-Jaw pull ball-lock power chuck

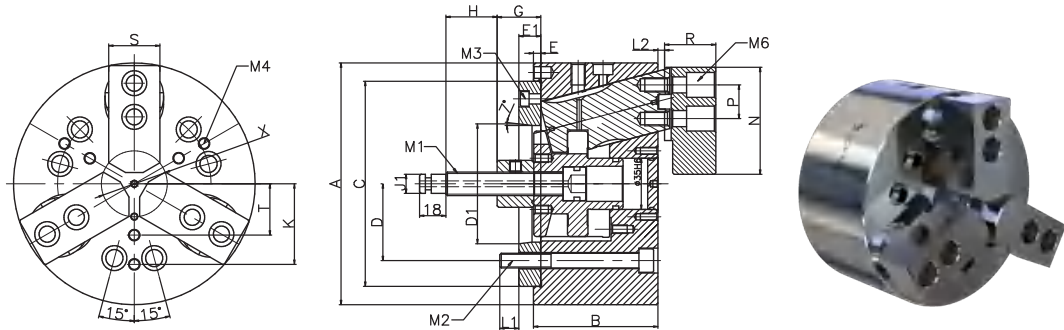
Technical parameters

Unit: mm

A	162	200	254
B	77	88	106
C(H6)	140	170	220
D	104	133	171
E	5		
F	30	34	45
Gmax	44		
Gmin	55	58	61
H	19	23	29
J	32		42
L	36		
M1	M16		M20
M2	3-M10	3-M12	3-M12
N	675	74	89
P	15		19
Q	51	57	70
T	38	44	57
Weight [kg]	18	27	45

- The spare parts can be ordered separately. Please inquire on demand

3-Jaw clined pull air-tight power chuck



- With workpiece can do radial clamp and axial pulldown at the same time, which able to closer surface of the chuck
- Can cooperate with the airtight detection, and axlal position confirm, suitable for the precise length control machine requirements
- Chuck Actuators with cylindrical structure are durable and ensures high gripping repeatadility, suitable for heavy machine

Technical parameters

Unit: mm

Order no.	BC530-YX-306-A205	BC530-YX-308-A205	BC530-YX-308-A206	BC530-YX-310-A206	BC530-YX-340-A208
Size	306	308		310	
Clamping range	22-165	28-210		35-254	
Spindle nose	A205	A205	A206	A206	A208
Max. clamping force [kgf]	2500	4590		6120	
Max. Pull force [kgf]	910	1630		2140	
Max.pressure Mpa	2.2(22)	2.8(28)		1.9(19)	
RPM n max. [1/min]	3500	3000		2,500	
Matching cylinder	SY-75Q	SY-100Q		SY-125Q	
Jaw stroke [mm]	7.8	10.3		10.3	
Piunger stroke[mm]	15	20		20	
Moment of inertla[Kg.m2]	0.05	0.14		0.36	

see next page →

3-Jaw clined pull air-tight power chuck

Technical parameters

Unit: mm

A	165	210		254	
B	85	100		110	
C(H6)	140	170		220	
D	104.8	133.4		171.4	
D1	82.56	82.56	106.38	106.38	139.72
D2	116	104.8	150	133.4	190
E	5				
E1	15	23	17	25	18
F	35	45		55	
Gmax	30	27		21	
Gmin	15	7		11	
H	35	38		41	
J	32	37		48	
J1	13	16		20	
K	55	75		85	
L1	13	17		19	
L2 min	8	9		9	
M1	M16	M20		M24	
M2	6-M10	6-M12		6-M12	
M3	3-M6	6-M10	3-M6	6-M12	3-M8
M4	6-M6	6-M10		6-M10	
M5	4-M5	4-M6		4-M6	

see next page →

3-Jaw clined pull air-tight power chuck

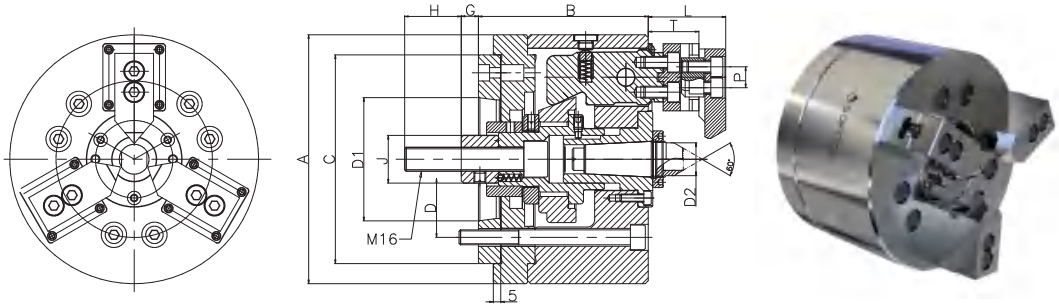
> Technical parameters

Unit: mm

M6	6-M10	6-M12		6-M14	
N	73	82		100	
P	23	26		32	
R	35	40		46	
S	35	40		50	
T	35	50		55	
X	45	60		70	
Weight [kg]	16.8	28.9	27.1	53.5	51.5

- The spare parts can be ordered separately. Please inquire on demand

Pull compensating power chuck



- Spindle type machine fixture, the card claw has the function of post-pull and compensating clamp on the workpiece, (The chuck holds the torque and rear pullof the processing) For jaw compensation to the cener,thestandardis $\phi 5\text{mm}$ and available for up to $\phi 10\text{mm}$.
- Based on the center of the axis, (two thimbles) the center of the axis is the same as the axis of the axis, you can use. Use chuck adaptor, easy.

> Technical parameters

Unit: mm

Order no.	BC540-YF-306-A205	BC540-YF-308-A205
Size	306	308
Clamping range	6-35	16-65
Spindle nose	A205	
Max. clamping force [kgf]	2550	3500
Max. Pull force [kgf]	1500	2000
Max.pressure Mpa	2.1(21)	2.8(28)
RPM n max. [1/min]	3500	3000
Matching cylinder	SY-100	
Jaw stroke [mm]	13	18
Piunger stroke[mm]	16	20
Corrected the amount[Dla.mm]	5	6
Moment of inertla[Kg.m^2]	0.2	0.5

see next page →

Pull compensating power chuck

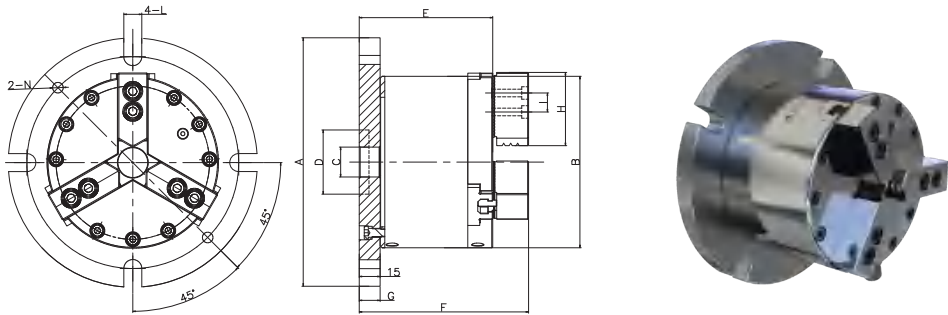
Technical parameters

Unit: mm

A	168	210
B	116	127
C(H6)	140	170
D	104.8	133.4
D1	82.56	106.38
D2	24	32
E	15	17
G	4-20	9-29
H	38	
J	50	58
L	52	61
M	M10X120	M12X125
N	55	67
P	14	20
T	34	41.5
Weight [kg]	13	22

- The spare parts can be ordered separately. Please inquire on demand

3-Jaw stationary chuck with through-hole



- Suitable for drilling, milling and Machining, center
- Simple installation: A single installation requires only type screw
- Group to Install: Install a number of chuck plates on the plate, You can quickly replactit
- Soft jaw and hardened jaw can be replaced to save cost

Technical parameters

Unit: mm

Order no.	BC550-KL-305	BC550-KL-306	BC550-KL-308	BC550-KL-310	BC550-KL-312
Size	305	306	308	310	312
Clamping range	7-135	12-168	15-210	31-254	34-304
Max. clamping force [kgf]	3650	5800	8570	11300	14650
Max. pressure Mpa	3.7(37)	3.6(36)	3.6(36)	3.4(34)	3.6(36)
Eff. piston area [cm2]	46.7	60.4	98	128.6	155.3
Piston stroke [mm]	10	12	16	19	23
Jaw stroke [mm]	5.4	5.5	7	8.8	10.6
A	1258	178	210	254	266
B	135	169	210	254	304
C	28	40	45	70	82
D(H7)	50	60	80	90	
D1	140	160	190	230	246

see next page →

3-Jaw stationary chuck with through-hole

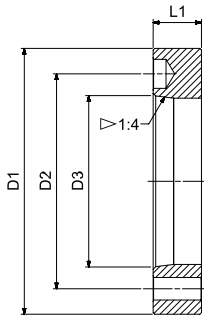
Technical parameters

Unit: mm

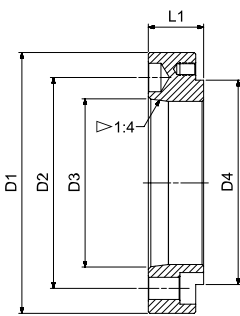
E	111	138	158	186	200
F	142	175	196	229	251
G	12	14	16	18	
H	62	73	95	100	130
I	14	20	25	30	
Q	5			6	
L	9	11	13		
N(H7)	10			12	
P	25	31	35	40	50
Weight [kg]	12	20	34	56	80

- The spare parts can be ordered separately. Please inquire on demand

Power chuck flanges



Type A



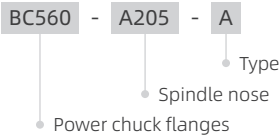
Type B

Technical parameters

Unit: mm

Order no.	Type	Spindle nose	D1	D2	D3	D4	L1
BC560-A205-A	A	A2-5	133	104.8	82.563	/	25
BC560-A206-A		A2-6	165	133.4	106.375	/	30
BC560-A208-A		A2-8	210	171.4	106.375	/	35
BC560-A211-A		A2-11	280	235	139.719	/	40
BC560-B205-B	B	A2-5	133	104.8	82.563	115	30
BC560-B206-B		A2-6	165	133.4	106.375	115/130/140	35
BC560-B208-B		A2-8	210	171.4	106.375	140/160/170	40
BC560-B211-B		A2-11	280	235	139.719	220	45

Naming And Coding Rules



stationary mandrel device

Mandrels can be used on 01 machine center

Hydraulic mandrel actuation 02

Manual mandrel actuation 03

04 Ideal for 5-sided machining

05 Ms dock rotating for lathes without clamping cylinde



Naming And Coding Rules

BC810	-	042	-	MS	-	003042
01		02		03		04

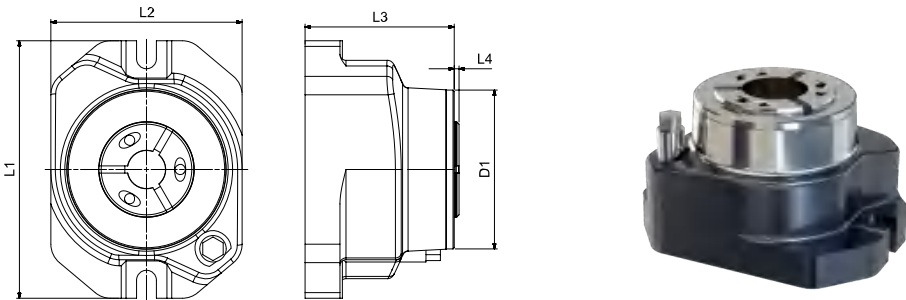
01 Type	
BC810	Static manual chuck
BC830	Static hydraulic chuck
BM410	Static manual mandrel base
BM420	Static hydraulic mandrel base

03 Power Method	
MS	Manual
HS	Hydraulic

02 Size				
042	052	065	80	100
35	25	15	00	01
02	03	04	05	06
07				

04 Clamping Range			
003042	3-42mm	004080	4-80mm
003052	3-52mm	015100	15-100mm
003065	3-65mm		

Static manual chuck BC810



- Repeatability accuracy $\leq 0.01\text{mm}$
- Suitable for three-axis, five-axis, and rotary table equipment, supporting multi-station machining

Technical parameters

Unit: mm

Size	42	52	65	80	100
Clamping range [mm]	3-42	3-52	3-65	4-80	15-100
Run-out $\leq$ [mm]	0.01				
Clamping head serrated	BH210-042	BH210-052	BH210-065	BH210-080	BH210-100
Clamping head smooth	BH220-042	BH220-052	BH220-065	BH220-080	BH220-100
Max. actuating torque [Nm]	50	60	70	60	80
Radial clamping force [kgf]	8000	9400	10500	11500	15000
Axial drawtube force[pull / push] [kgf]	3500	4000	4500	5000	6500

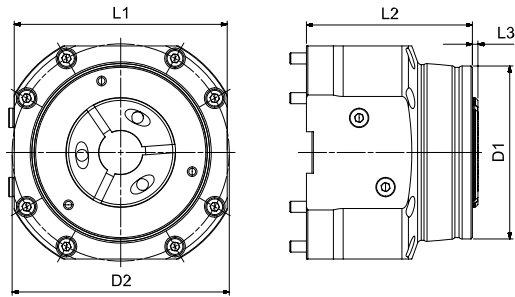
Order no.	D1	L1	L2	L3	L4(Rough)	L4(Fine)	Weight [kg]
BC810-042-RD-003042	Ø 132 f7	214	159	124	9	4	14.3
BC810-052-RD-003052					4		14
BC810-065-RD-003065					9		13
BC810-080-RD-004080	Ø 178 f7	264	210	140	4	0	22
BC810-100-RD-015100					0		

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

	
Clamping heads	Clamping devices
Page 63	Page 65

Static hydraulic chuck BC830



- Clamping bushings radial runout accuracy $\leq 0.01\text{mm}$
- It can be optionally equipped with a leak detection function and an anti-error design
- Suitable for three-axis, five-axis, and rotary table equipment, supporting multi-station machining
- The internal piston design allows for both oil and air actuation, with the ability to switch arbitrarily

Technical parameters

Unit: mm

Size	42	52	65	80	100
Clamping range [mm]	3-42	3-52	3-65	4-80	15-100
Run-out $\leq$ [mm]	0.01				
Clamping head serrated	BH210-042	BH210-052	BH210-065	BH210-080	BH210-100
Clamping head smooth	BH220-042	BH220-052	BH220-065	BH220-080	BH220-100
Max. actuating torque [Nm]	40	40	40	40	40
Radial clamping force [kgf]	8000		10500	11500	15000
Axial drawtube force[pull / push] [kgf]	3500		4500	5000	6500

see next page →

Static hydraulic chuck BC830

Technical parameters

Unit: mm

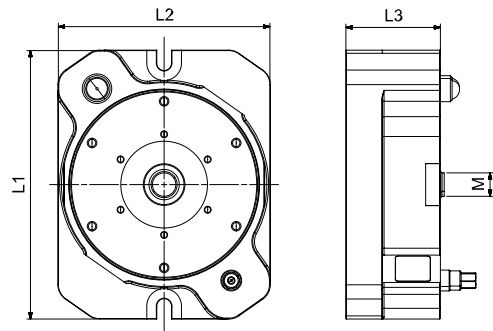
Order no.	D1	D2	L1	L2	L3(Rough)	L3(Fine)	Weight [kg]
BC830-042-RD-003042	$\varnothing 125\text{ f7}$	LK $\varnothing 157 [8 \times \text{M8}]$	154	120	9	4	12
BC830-052-RD-003052					4		
BC830-065-RD-003065	$\varnothing 145\text{ f7}$	LK $\varnothing 180 [8 \times \text{M8}]$	174	130	9		15
BC830-080-RD-004080	$\varnothing 160\text{ f7}$	LK $\varnothing 194 [8 \times \text{M8}]$	186		4		17.5
BC830-100-RD-015100	$\varnothing 180\text{ f7}$	LK $\varnothing 240 [8 \times \text{M8}]$	229	140	0	0	29

- The spare parts can be ordered separately. Please inquire on demand

Please refer to

	
Clamping heads	Clamping devices
Page 63	Page 65

Static manual mandrel base BM410



- Repeatability accuracy $\leq 0.01\text{mm}$
- Suitable for three-axis, five-axis, and rotary table equipment, supporting multi-station machining

Technical parameters

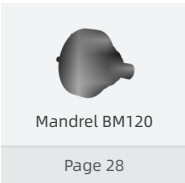
Unit: mm

Size	3S-4	5-7
Mandrel	BM120-3S/2S/1S/00/01/02/03/04	BM120-0S/06/07
Axial drawtube force [pull / push] [kgf]	3500	4000
Max. actuating torque [Nm]	55	70

Order no.	M	L1	L2	L3	Weight [kg]
BM410-MS-082	M30 x 1,5	214	159	82	12
BM410-MS-109		310	245	109	36

- The spare parts can be ordered separately. Please inquire on demand

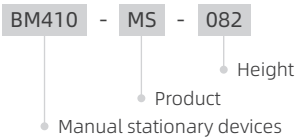
Please refer to



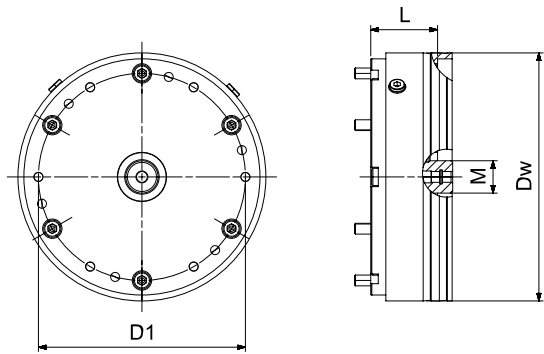
Mandrel BM120

Page 28

Naming And Coding Rules



Static hydraulic mandrel base BM420



- Mandrel radial runout accuracy $\leq 0.01\text{mm}$
- It can be optionally equipped with a leak detection function and an anti-error design
- Suitable for three-axis, five-axis, and rotary table equipment, supporting multi-station machining.
- The internal piston design allows for both oil and air actuation, with the ability to switch arbitrarily

Technical parameters

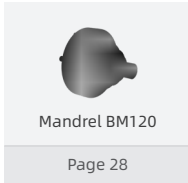
Unit: mm

Size	3S-4	5-7
Mandrel	BM120-3S/2S/1S/00/01/02/03/04	BM120-0S/06/07
Axial drawtube force [pull / push] [kgf]	3500	4500
Max. release pressure [bar]	56	51
Max. actuating pressure [bar]	44	47

Order no.	M	D1	Dw	L	Weight [kg]
BM420-HS-082	M30 x 1,5	Ø 131 H6	139	62	9
BM420-HS-109		Ø 219 H6	230		18

- The spare parts can be ordered separately. Please inquire on demand

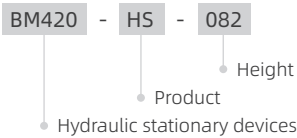
Please refer to



Mandrel BM120

Page 28

Naming And Coding Rules



Naming And Coding Rules



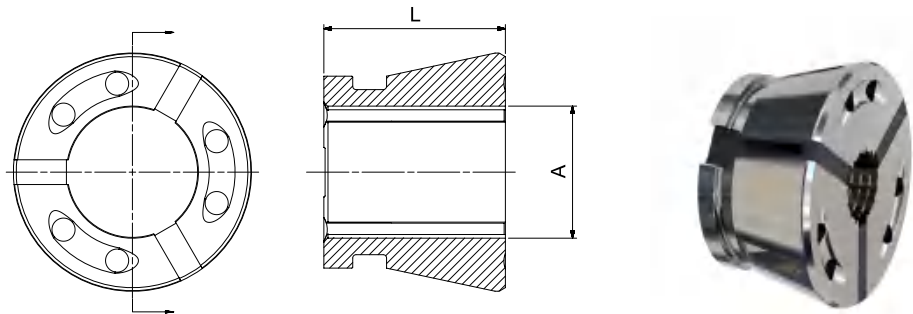
01 Type	
BH210	Clamping head Roughing
BH220	Clamping head finishing
BS110	BM210 Clamping bushing
BS130	BM120 Clamping bushing

03 Profile	
RD	Round

02 Size			
032	BC220-032	3S	BM120-3S
042	BC220-042	2S	BM120-2S
052	BC220-052	1S	BM120-1S
065	BC220-065	00	BM120-00
080	BC220-080	01	BM120-01
100	BC220-100	02	BM120-02
125	BC220-125	03	BM120-03
160	BC220-160	04	BM120-04
		05	BM120-05
		06	BM120-06
		07	BM120-07

04 Number	
	01

Clamping head Roughing BH210

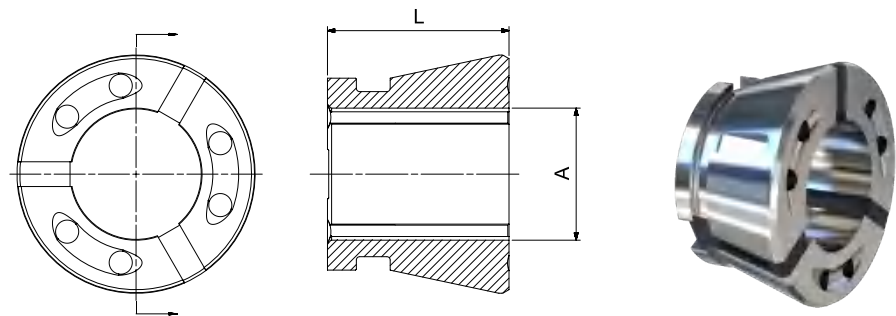


> Technical parameters

Unit: mm

Ordering code	Size	Matching Chuck Types	Increments [mm]	Type of serration	A	L
BH210-032-RD-01	32	BC220-032	1	With Serration	4-32	47
BH210-042-RD-01	42	BC220-042	0.5	With Serration	4-42	47
BH210-052-RD-01	52	BC220-052		With Serration	4-52	46
BH210-065-RD-01	65	BC220-065		With Serration	4-65	58
BH210-080-RD-01	80	BC220-080	1	With Serration	4-80	53
BH210-100-RD-01	100	BC220-100		With Serration	15-100	59
BH210-125-RD-01	125	BC220-125		With Serration	25-125	67
BH210-160-RD-01	160	BC220-160		With Serration	27-160	63

Clamping head finishing BH220



Technical parameters

Unit: mm

Ordering code	Size	Matching Chuck Types	Increments [mm]	Type of serration	A	L
BH220-032-RD-01	32	BC220-032	1	Smooth	3-32	44
BH220-042-RD-01	42	BC220-042	0.5	Smooth	3-42	42
BH220-052-RD-01	52	BC220-052		Smooth	3-52	46
BH220-065-RD-01	65	BC220-065		Smooth	3-62	53
BH220-080-RD-01	80	BC220-080	1	Smooth	4-80	53
BH220-100-RD-01	100	BC220-100		Smooth	15-100	59
BH220-125-RD-01	125	BC220-125		Smooth	25-125	67
BH220-160-RD-01	160	BC220-160		Smooth	27-160	63

Changing Devices BK110

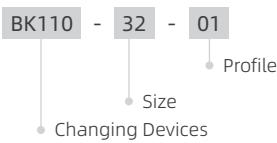


Technical parameters

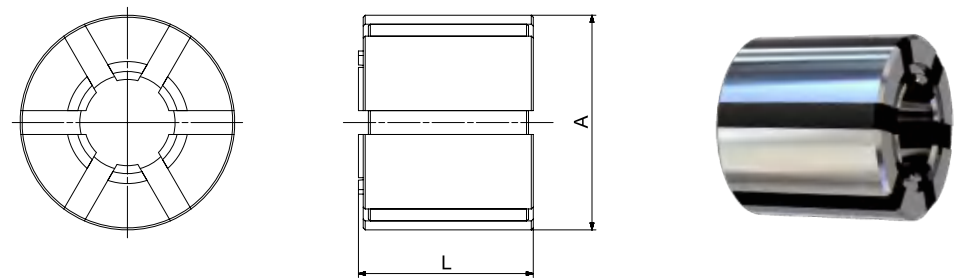
Unit: mm

Ordering code	Size	Clamping head size [mm]
BK110-32-01	32	3-32
BK110-42-01	42	3-42
BK110-52-01	52	3-52
BK110-65-01	65	3-65
BK110-80-01	80	4-80
BK110-100-01	100	15-100
BK110-125-01	125	25-125

Naming And Coding Rules



BM210 Clamping bushing BS110

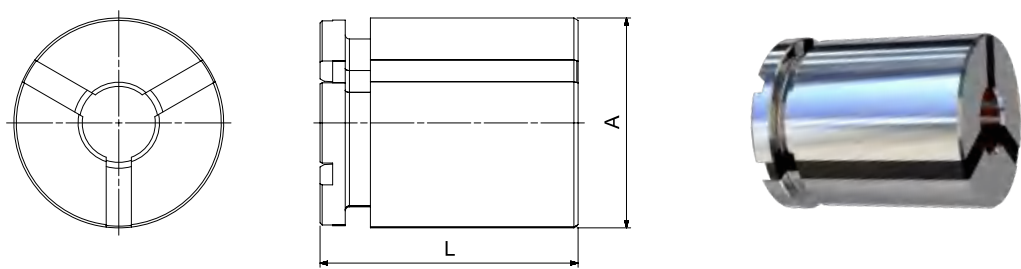


Technical parameters

Unit: mm

Ordering code	Size	Storke [mm]	L	A
BS110-00-RD-01	BM110-00	±0.25	24	20-28
BS110-01-RD-01	BM110-01	±0.25	28	26-38
BS110-02-RD-01	BM110-02	±0.25	44	36-54
BS110-03-RD-01	BM110-03	±0.35	50	50-80
BS110-04-RD-01	BM110-04	±0.4	60	69-100
BS110-05-RD-01	BM110-06	±0.5	78	100-130
BS110-06-RD-01	BM110-07	±0.5	86	130-160
BS110-07-RD-01	BM110-08	±0.5	91	160-200

BM120 Clamping bushing BS130



Technical parameters

Unit: mm

Ordering code	Size	Storke [mm]	L	A
BS130-3S-RD-01	BM120-3S	±0.2	30	8-13
BS130-2S-RD-01	BN120-2S	±0.25	30	13-19
BS130-1S-RD-01	BM120-1S		31	16-21
BS130-00-RD-01	BM120-00		41	20-28
BS130-01-RD-01	BM120-01		46	26-38
BS130-02-RD-01	BM120-02		61.5	36-54
BS130-03-RD-01	BM120-03	±0.35	67.5	50-80
BS130-04-RD-01	BM120-04	±0.45	76	69-100
BS130-05-RD-01	BM120-05	±0.5	85	100-130
BS130-06-RD-01	BM120-06		94.5	130-160
BS130-07-RD-01	BM120-07		100	160-190

Self-centering vise



Naming And Coding Rules

BZ400	P	M	S	100	75
01	02	03	04	05	06

01 Type	
BZ400	Self-centering vise

02 Vise	
P	Precise
E	Economical

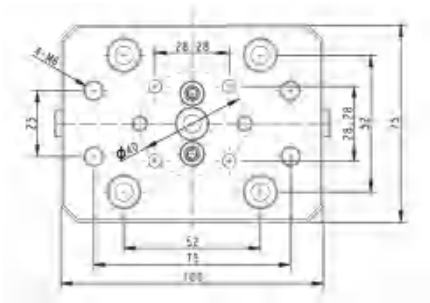
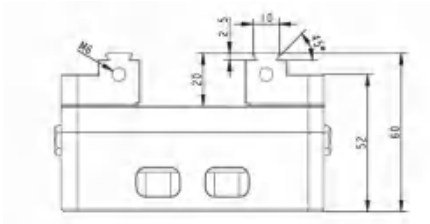
03 Power Method	
M	Manual
A	Air

04 Number of Stations	
S	Single
D	Double

05 Vise Length	
100	100mm
130	130mm
150	150mm
155	155mm
160	160mm
170	170mm
225	225mm
255	255mm
280	280mm
300	300mm
480	480mm

06 Vise Width	
075	75mm
080	80mm
100	100mm
125	125mm
130	130mm
160	160mm

Economical vise



- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate
- Stable clamping with precise fit, reducing the up-and-down movement of the jaws

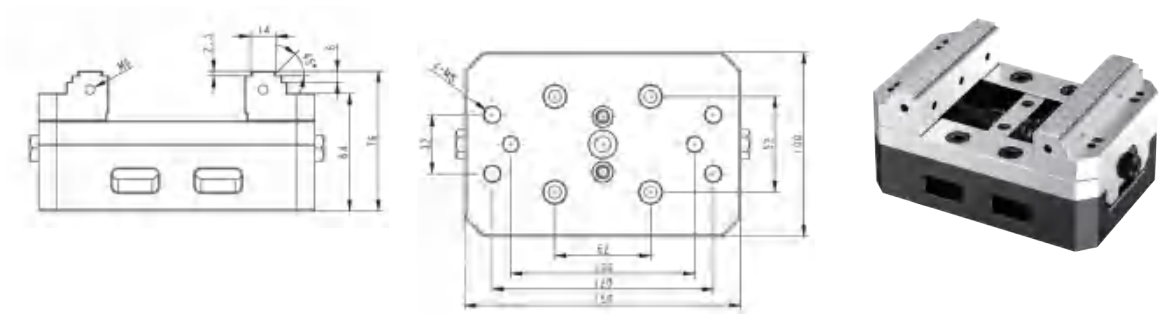
> Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400-EMS-100075	14KN	0-46/45-80	60Nm	2.6

- The spare parts can be ordered separately. Please inquire on demand

Economical vise



- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate
- Stable clamping with precise fit, reducing the up-and-down movement of the jaws

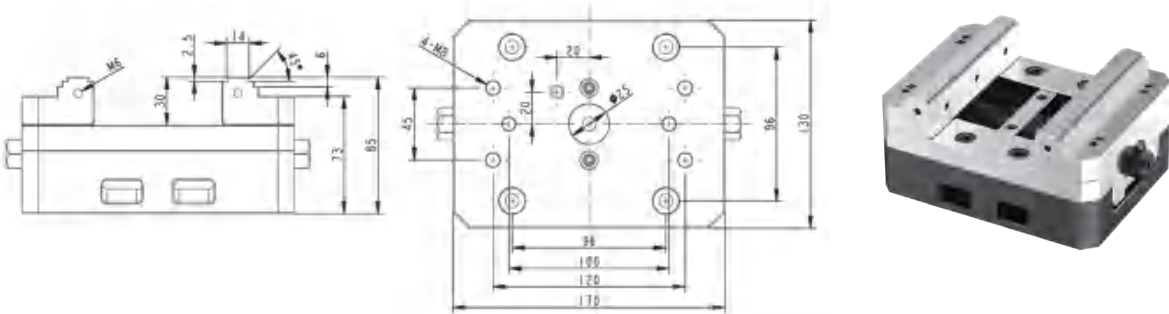
Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400-EMS-150100	20KN	0-80/57-120	75Nm	5.5

- The spare parts can be ordered separately. Please inquire on demand

Economical vise



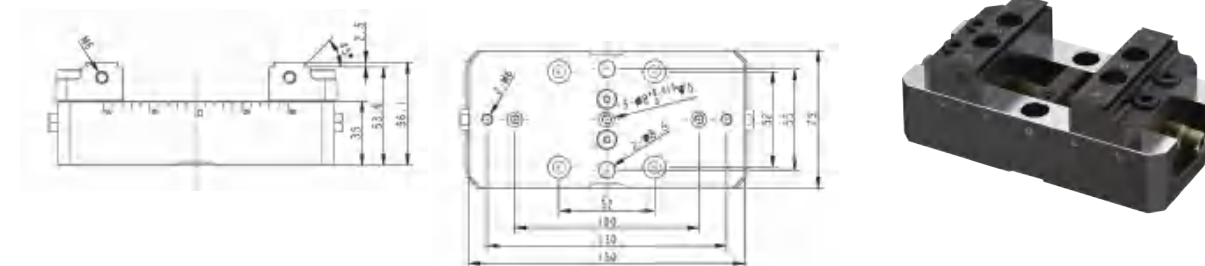
- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate
- Stable clamping with precise fit, reducing the up-and-down movement of the jaws

Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400-EMS-170130	25KN	0-86/71-152	80Nm	9.3

- The spare parts can be ordered separately. Please inquire on demand

 Precision vise

- Repeated positioning accuracy <0.01mm
- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate

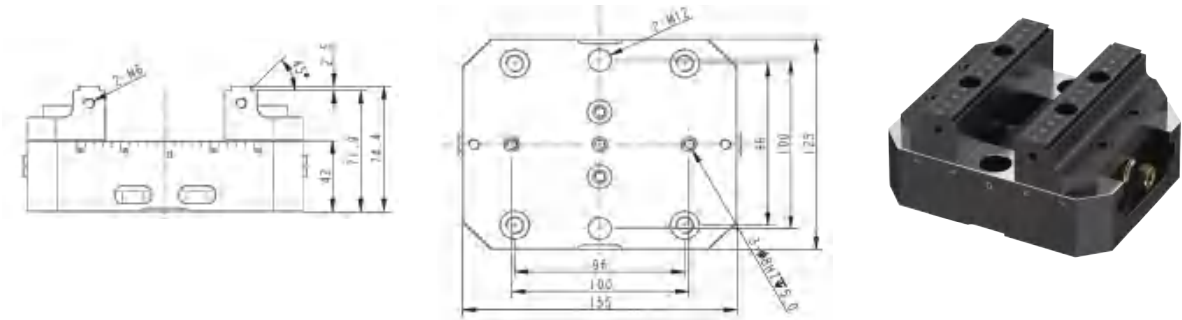
› Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400-PMS-150075	14KN	0-90/41-126	60Nm	3

- The spare parts can be ordered separately. Please inquire on demand

Precision vise



- Repeated positioning accuracy <0.01mm
- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate

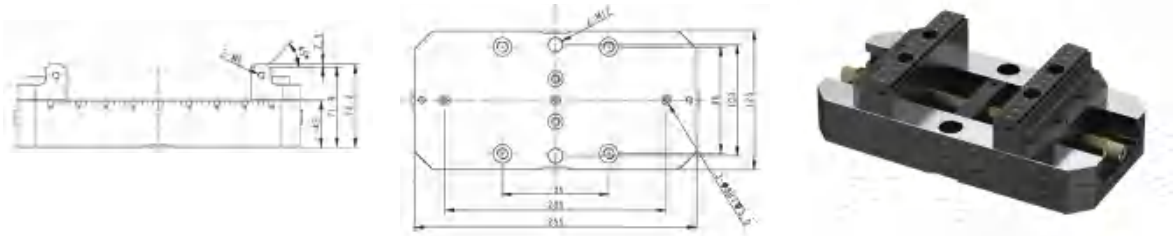
Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400PMS-155125	20KN	0-76/56-127	75Nm	7

- The spare parts can be ordered separately. Please inquire on demand

Precision vise



- Repeated positioning accuracy <0.01mm
- Material: Hardened steel,surface and rail hardening treatment,stable structure
- Manual operation, no additional power source required, simple to operate

Technical parameters

Unit: mm

Ordering code	Locking force	Positive and negative clamping	Max torque	Weight
BZ400-PMS-225125	20KN	0-177/56-228	75Nm	9.8

- The spare parts can be ordered separately. Please inquire on demand

Unit: mm

- 078 | CHUCKS

Zero-point system



Naming And Coding Rules

BZ500	-	PSC63	V	-	134
01		02	03		04

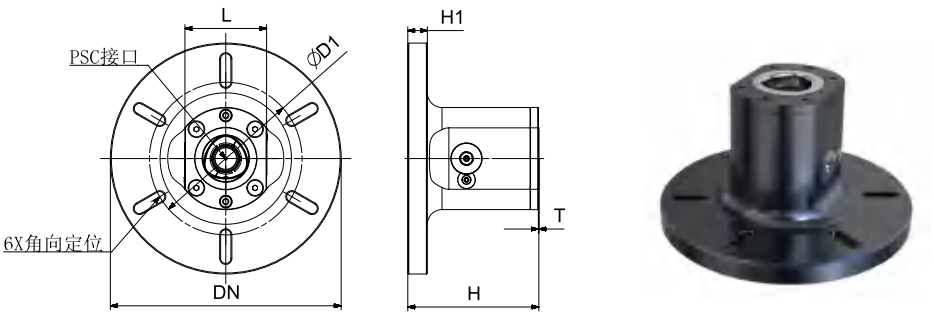
01 Type	
BZ500	PSC Zero point

02 Interface Type	
PSC63	PSC6 Interface
PSC80	PSC8 Interface

03 Processing Method	
V	Vertical
L	Lathe

04 Length	
134	134mm
140	140mm
150	150mm
154	154mm
162	162mm
174	174mm
182	182mm
194	194mm
202	202mm
222	222mm

PSC vertical machining zero positioning



- Repeated positioning accuracy 0.002mm
- Used with modular fixture, wide range of applications
- Quick change, easy to operate
- Suitable for machining center and five-axis linkage machine tool

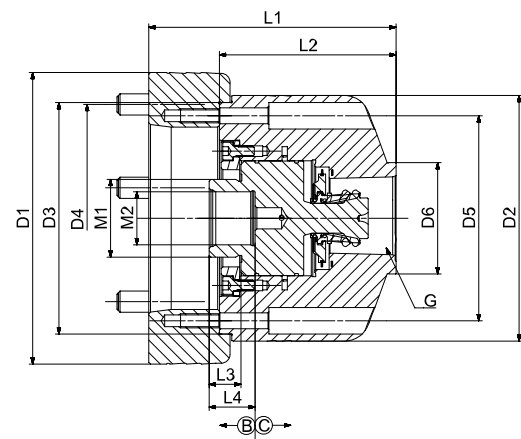
Technical parameters

Unit: mm

Ordering code	Dimension							Weight
	DN	D	D1	H	H1	L	M	
BZ500-PSC63V-134	200	104.5	150	134	20	83.4	4XM8	10.6
BZ500-PSC63V-154				154				11
BZ500-PSC63V-174				174				11.5
BZ500-PSC63V-194				194				12
BZ500-PSC80V-162		260	180	162	20	109.5	4XM10	19.7
BZ500-PSC80V-182				182				20.2
BZ500-PSC80V-202				202				21.7
BZ500-PSC80V-222				222				22.3

- The spare parts can be ordered separately. Please inquire on demand
- If you need to,please check the contact information on the back of the sample,we will immediately provide you with a professional answer

PSC lathe zero positioning



- Repeated positioning accuracy 0.002mm
- Used with modular fixture, wide range of applications
- Quick change, easy to operate
- Applicable to horizontal lathe

Technical parameters

Unit: mm

Ordering code	Dimension								Weight
	Interface type G	Reserve stroke axial [mm] B	Release stroke axial [mm] C	M1	M2	D1	D2	D3	
BZ500-PSC63L	PSC63	1.5	2	M44X1.5	M30x1.5	165	139	131	10.8
BZ500-PSC80L	PSC80					165	139	131	14

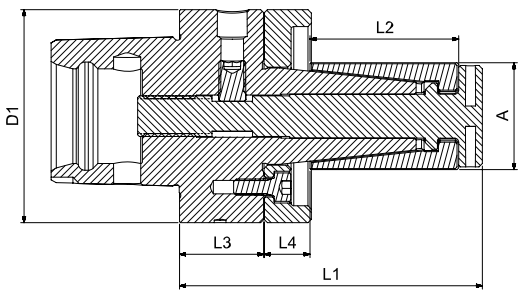
Ordering code	D4	D5	D6	L1	L2	L3	L4
BZ500-PSC63L	LKØ133.4 [6 x M12]	116	63	140	100	18.4	26
BZ500-PSC80L	LKØ133.4 [6 x M12]	116	80	150	110	18.4	26

- The spare parts can be ordered separately. Please inquire on demand
- If you need to, please check the contact information on the back of the sample, we will immediately provide you with a professional answer

Please refer to



PSC manual mandrel



- Repeated positioning accuracy 0.005mm
- Used with PSC zero fixture, wide range of application
- Quick change, easy to operate
- Simple structure and low maintenance cost

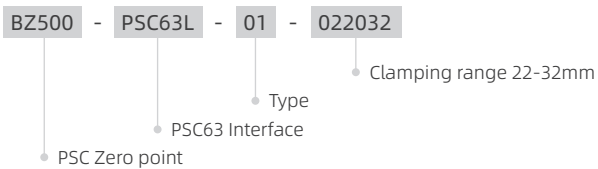
Technical parameters

Unit: mm

Ordering code	Dimension							Weight
	Interface type G	A	D1	L1	L2	L3	L4	
BZ500-PSC63L-01-022032	PSC63	22-32	63	70	26	25	12	1.1
BZ500-PSC63L-02-032045		32-45		90	44		14	1.4
BZ500-PSC80L-03-040065	PSC80	40-65	80	100	50	30	13	2
BZ500-PSC80L-04-060090		60-90		120	60		23	2.5

- The spare parts can be ordered separately. Please inquire on demand
- If you need to, please check the contact information on the back of the sample, we will immediately provide you with a professional answer

Naming And Coding Rules



Naming And Coding Rules

BZ100	-	A	W	F	-	138
01		02	03	04		05

01 Type	
BZ100	Zero point systems module unit

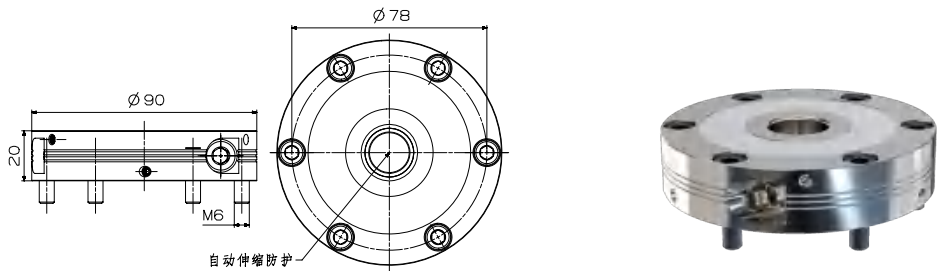
02 Power Menthod	
M	Manual
A	Air
H	Hydraulic

03 Locking Structure	
W	Wedge

04 Whether ity has a gas test	
T	Ture
F	False

05 Diameter	
090	90mm
138	138mm

90 Wedge zero point



- Surface hardening treatment, high wear resistance
- Repeated positioning accuracy <0.005mm
- It has the function of secondary pressurization to improve the tension
- Simple operation, suitable for automatic production

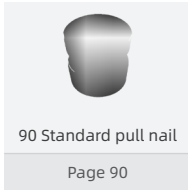
> Technical parameters

Unit: mm

Ordering code	Locking method	Clamping force	Tightening force with	Tightening force with turbo	Weight
BZ100-AWF-090	Air Pressure	6	0.5	1.5	1
BZ100-AWT-090	Air Pressure	6	0.5	1.5	1

- The spare parts can be ordered separately. Please inquire on demand

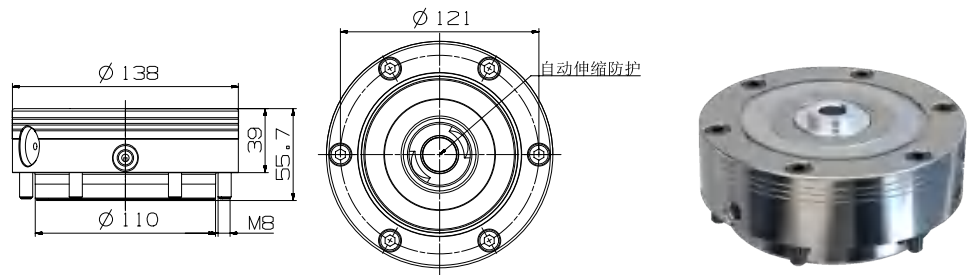
> Please refer to



90 Standard pull nail

Page 90

138 Wedge zero point



- Surface hardening treatment, high wear resistance
- Repeated positioning accuracy <0.005mm
- It has the function of secondary pressurization to improve the tension
- Simple operation, suitable for automatic production

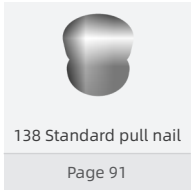
Technical parameters

Unit: mm

Ordering code	Locking method	Clamping force	Tightening force with turbo	Tightening force with turbo	Weight
BZ100-AWF-138	Air Pressure	6	8	28	4.5
BZ100-AWT-138	Air Pressure	6	8	28	4.5

- The spare parts can be ordered separately. Please inquire on demand

Please refer to



138 Standard pull nail

Naming And Coding Rules

BZ300	-	W	A	-	M10	-	090
01		02	03		04		05

01 Type	
BZ300	Zero point systems Spannbolzen

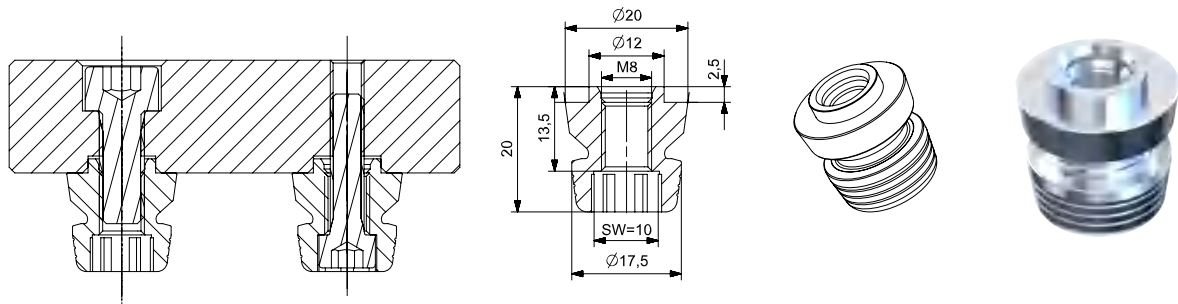
02 Locking Structure	
W	Wedge

03 Type	
A	Positioning nail
B	Directional nail
C	Locking nail

04 Thread Size		
M10	M12	M16

05 Diameter	
090	90mm
138	138mm

90 Standard pull nail

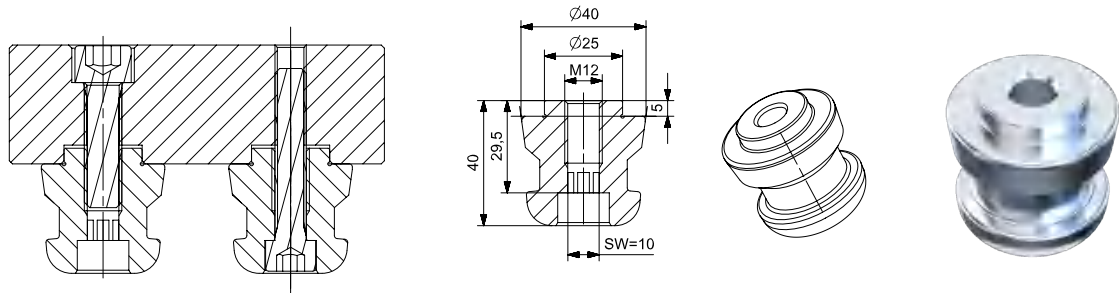


Technical parameters

Unit: mm

Ordering code	Clamping force	Clamping force	Weight
BZ300-WA-M8-090	15	25	0.3
BZ300-WB-M8-090			0.3
BZ300-WC-M8-090			0.3

138 Standard pull nail

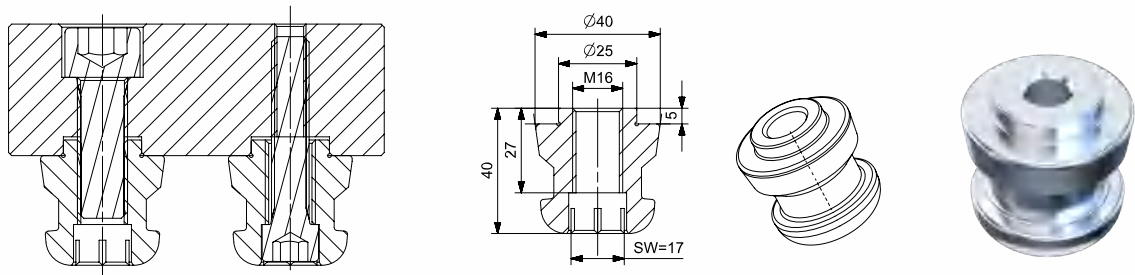


Technical parameters

Unit: mm

Ordering code	Clamping force	Clamping force	Weight
BZ300-WA-M12-138	35	50	0.3
BZ300-WB-M12-138			0.3
BZ300-WC-M12-138			0.3

138 Standard pull nail



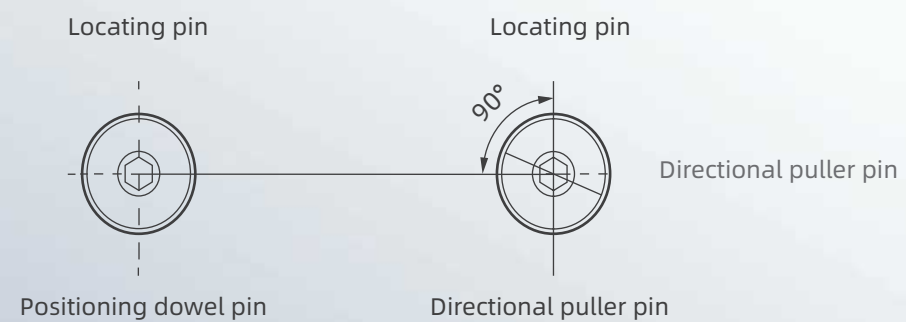
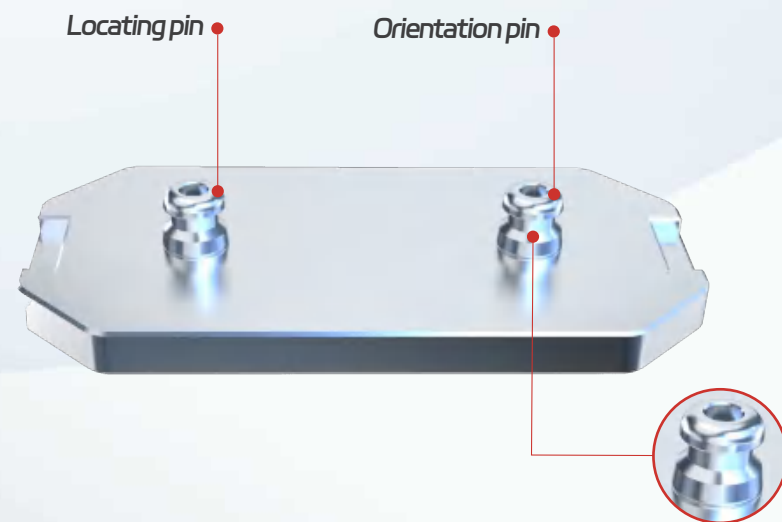
Technical parameters

Unit: mm

Ordering code	Clamping force	Clamping force	Weight
BZ300-WA-M16-138	50	75	0.3
BZ300-WB-M16-138			0.3
BZ300-WC-M16-138			0.3

Zero-point positioning base plate

Two-station pull stud installation diagram

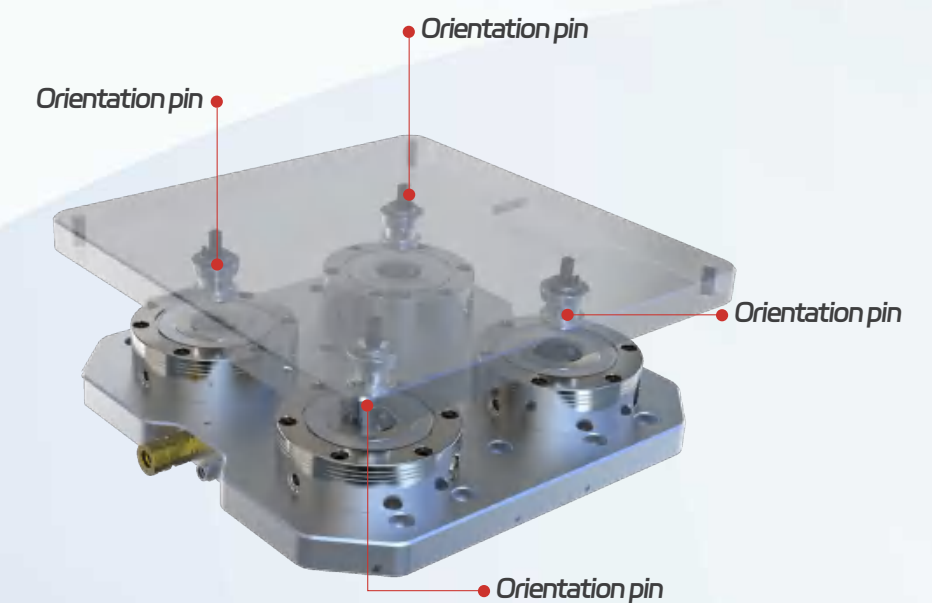


Four-station pull stud installation diagram

Method 1



Method 2



Naming And Coding Rules

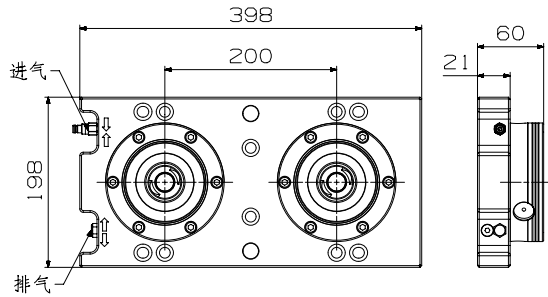
BZ210		-	A	2
01				
			02	03

01 Type	
BZ210	Zero position base plate

02 Power Menthod	
M	Manual
A	Air
H	Hydraulic

03 Number of Units	
2	Two units
4	Four units

Zero position two-element base plate



- Material: Hardened stainless steel, surface and piston hardened
- Repeated positioning accuracy < 0.005 mm
- Pallet can be installed at a tilt for easy operation

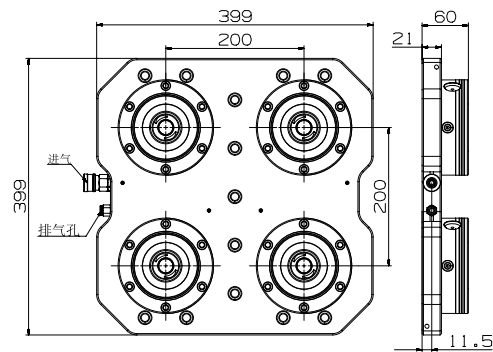
Technical parameters

Unit: mm

Ordering code	Locking method	Unlocking force	Tightening force	Blowing debris	Weight
BZ210-A2	Air Pressure	6	16	√	17

- The spare parts can be ordered separately. Please inquire on demand

Zero position four-element base plate



- Material: Hardened stainless steel, surface and piston hardened
- Repeated positioning accuracy < 0.005 mm
- Pallet can be installed at a tilt for easy operation

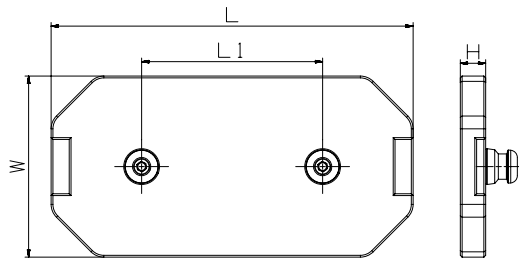
Technical parameters

Unit: mm

Ordering code	Locking method	Unlocking force	Tightening force	Blowing debris	Weight
BZ210-A4	Air pressure	6	32	√	36

- The spare parts can be ordered separately. Please inquire on demand

Two-unit pallet



- Material: Hardened stainless steel
- Suitable for two element zero position base plate
- Inclined installation, easy to operate

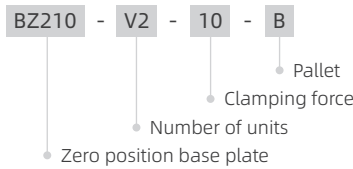
Technical parameters

Unit: mm

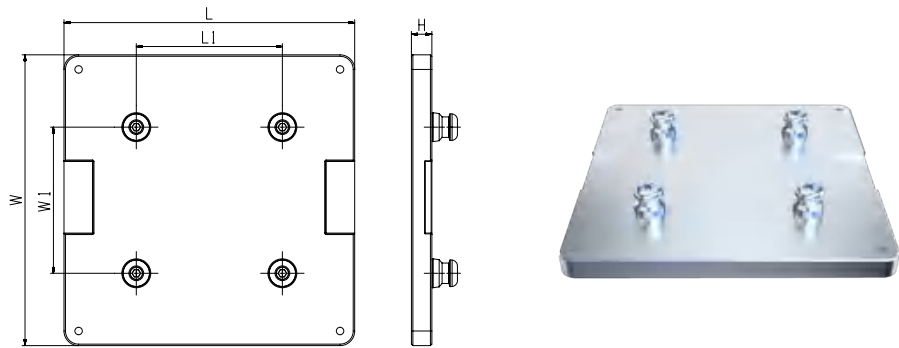
Ordering code	Dimension				Weight
	L	W	L1	H	
BZ210-V2	400	200	200	25	16

- If you need non-standard customization, please check the contact information behind the sample
- The spare parts can be ordered separately. Please inquire on demand

Naming And Coding Rules



Four-unit pallet



- Material: Hardened stainless steel
- Suitable for four element zero position base plate
- Inclined installation, easy to operate

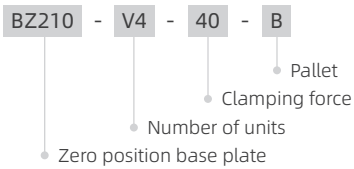
Technical parameters

Unit: mm

Ordering code	Dimension					Weight
	L	W	L1	W1	H	
BZ210-V4-40-B	398	398	200	200	28	34

- If you need non-standard customization, please check the contact information behind the sample
- The spare parts can be ordered separately. Please inquire on demand

Naming And Coding Rules



Naming And Coding Rules

BZ220	M	N	52	120
01	02	03	04	05

01 Type	
BZ220	Zero position quick change plate

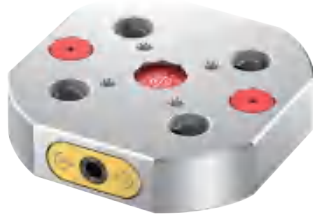
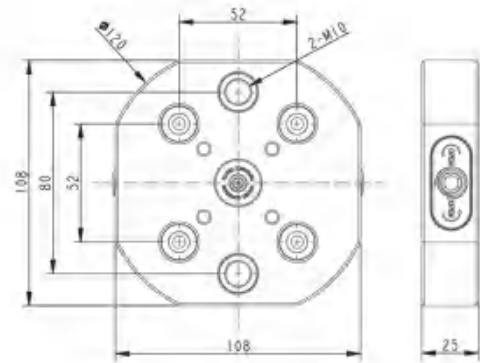
02 Power Method	
M	Manual
A	Air
H	Hydraulic

03 Quick Change Plate Sort	
N	Normal
T	Through-hole
A	Of aluminium

04 Pin Spacing	
52	52mm
96	96mm
9652	96mm/52mm

05 Circular Diameter/Square Length	
120	Diameter 120mm
170	Diameter 170mm
185	Diameter 185mm
200	Diameter 200mm
108	Length 170mm
125	Length 125mm
155	Length 155mm
175	Length 175mm
210	Length 210mm
340	Length 340mm

Round zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

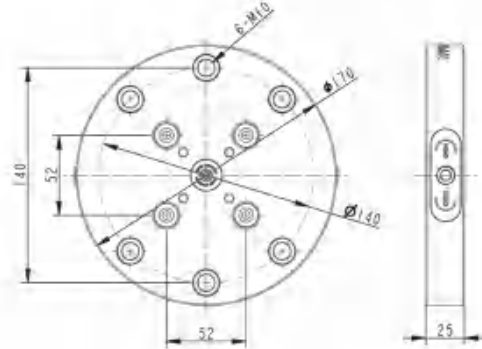
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-52-120	18KN	4XM10	1.7

- The spare parts can be ordered separately. Please inquire on demand

Round zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

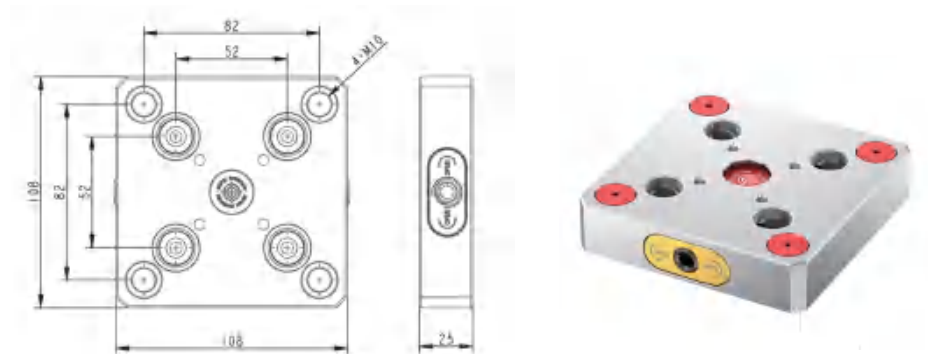
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-52-170	18KN	6XM10	3.7

- The spare parts can be ordered separately. Please inquire on demand

Square zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-52-108	18KN	4XM10	1.9

- The spare parts can be ordered separately. Please inquire on demand

Square zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

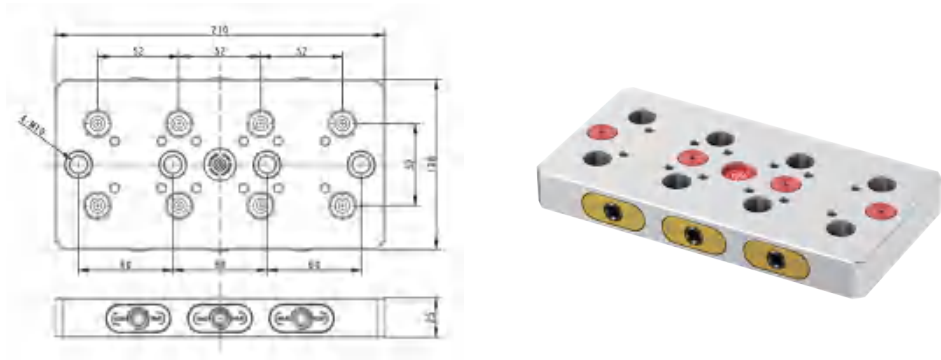
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-52-125	18KN	4XM10	2.5

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

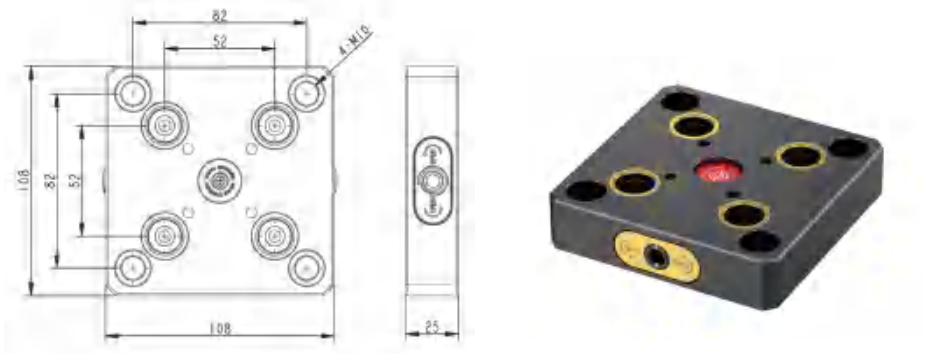
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-52-210	18KN	4XM10	3.6

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

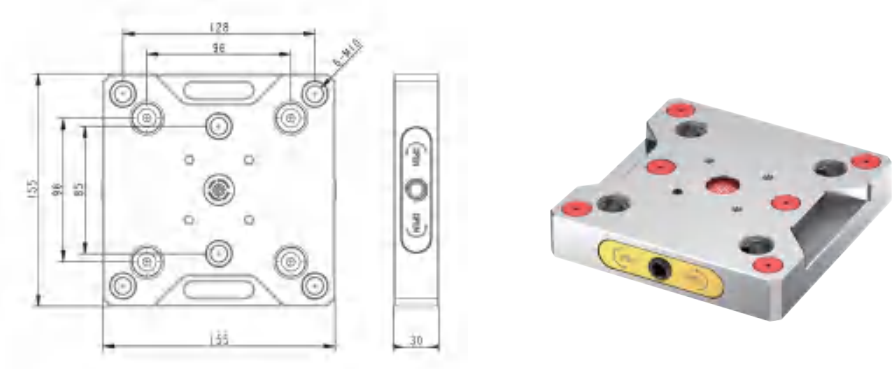
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MA-52-108	18KN	4XM10	2.5

- The spare parts can be ordered separately. Please inquire on demand

Square zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

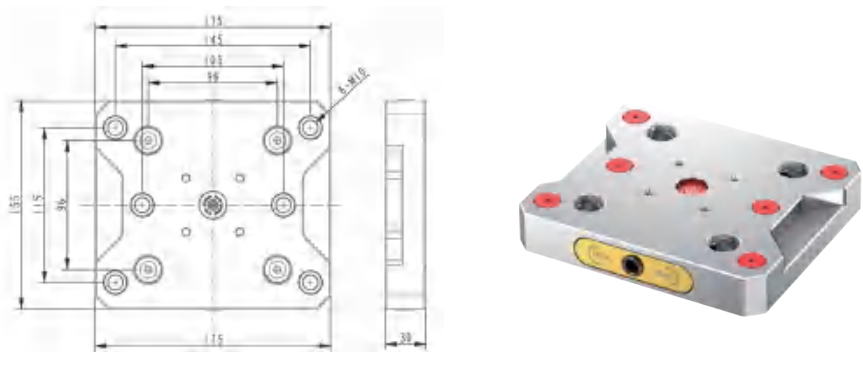
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-96-155	22KN	6XM10	4.8

- The spare parts can be ordered separately. Please inquire on demand

Square zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

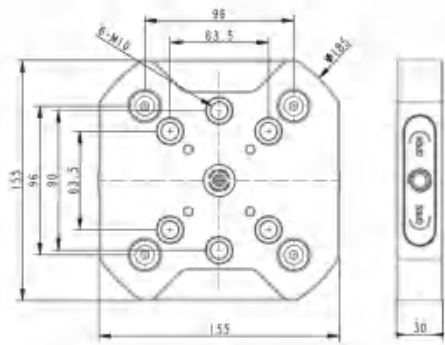
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-96-175	22KN	6XM10	5

- The spare parts can be ordered separately. Please inquire on demand

Round zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

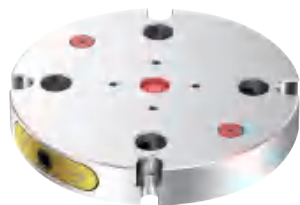
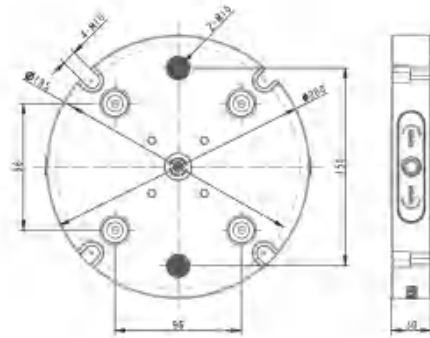
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-96-185	22KN	6XM10	4.8

- The spare parts can be ordered separately. Please inquire on demand

Round zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

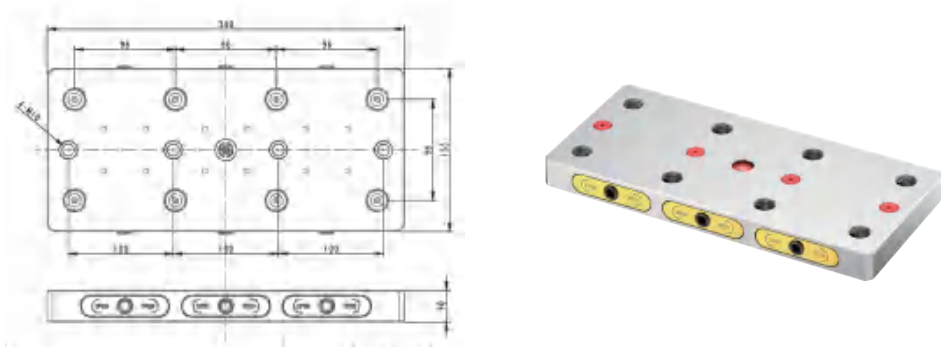
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-96-200	20KN	2XM10	6.5

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

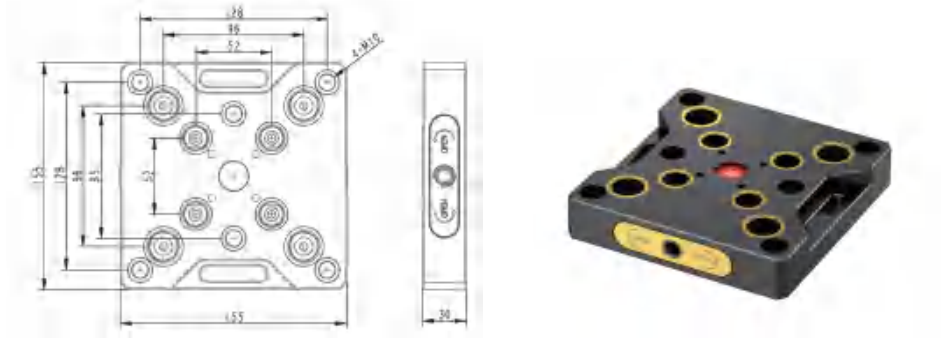
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MN-96-340	22KN	4XM10	11.2

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

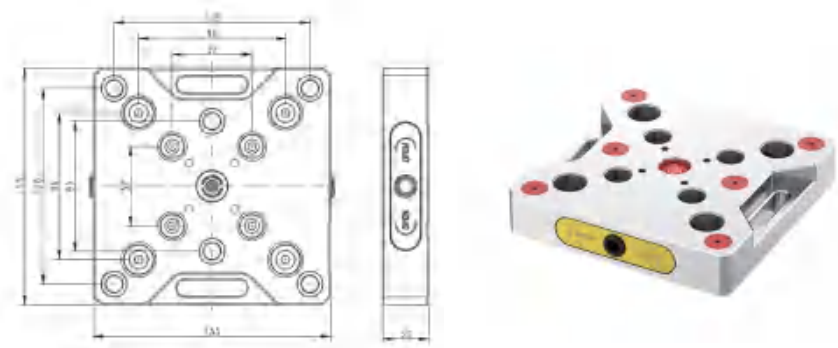
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ220-MA-9652-155	18KN	4XM10	2.2

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

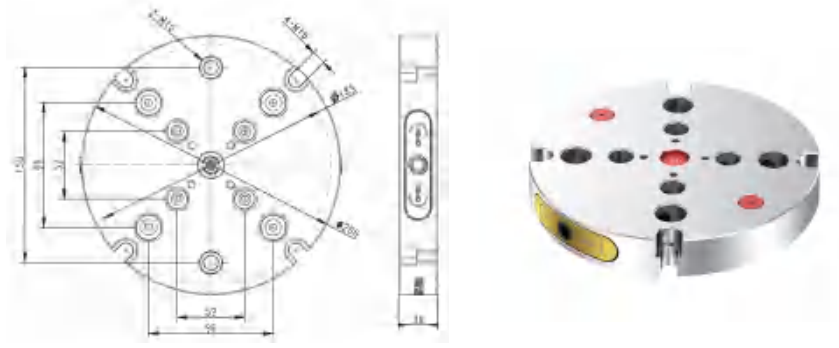
Technical parameters

Unit: mm

Ordering code	Locking force	Weight
BZ220-MN-9652-155	20KN	4.6

- The spare parts can be ordered separately. Please inquire on demand

Zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

Technical parameters

Unit: mm

Ordering code	Locking force	Weight
BZ220-MN-9652-200	20KN	6.4

- The spare parts can be ordered separately. Please inquire on demand

Through hole zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

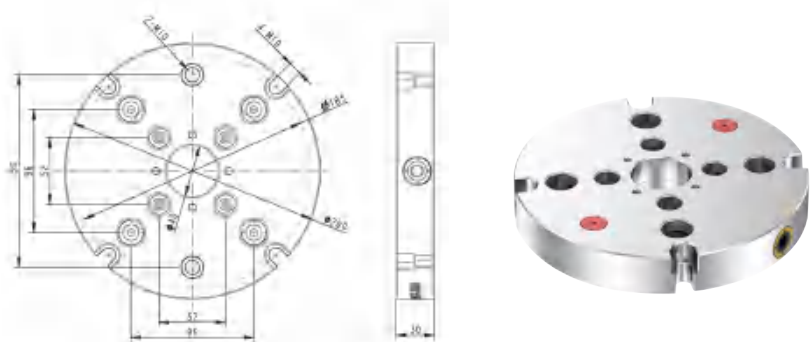
Technical parameters

Unit: mm

Ordering code	Locking force	Weight
BZ220-MT-96-200	20KN	6.2

- The spare parts can be ordered separately. Please inquire on demand

Through hole zero quick change plate



- Material: Hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

Technical parameters

Unit: mm

Ordering code	Locking force	Weight
BZ220-MT-9652-200	20KN	6.4

- The spare parts can be ordered separately. Please inquire on demand

Naming And Coding Rules

BZ230	M	D	1	96	120	T
01	02	03	04	05	06	07

01 Type	
BZ230	Zero position fixing seat

02 Power Method	
M	Manual
A	Air
H	Hydraulic

03 Fixed Seat Sort	
H	Heighten
S	Sleeping
B	Both upright and sleeping

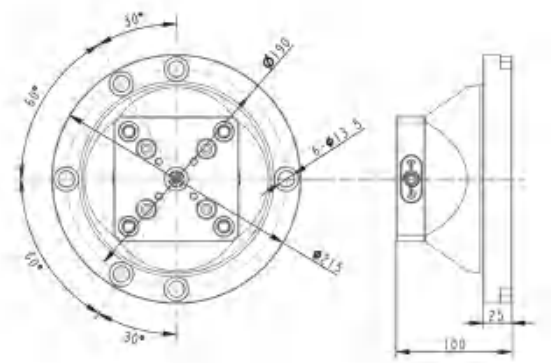
04 Number of quick change plate	
1	One
2	Two

05 Pin Spacing	
52	52mm
96	96mm
9652	96mm/52mm

06 Height / Length	
100	Height 100mm
120	Height 120mm
108	Length 170mm
155	Length 155mm

07 Through-hole or Not	
	NO
T	YES

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

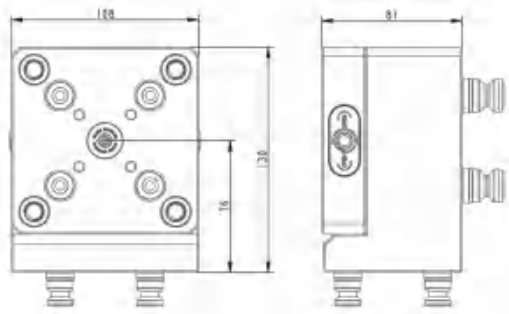
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ230-MH1-52-100	18KN	6XM12	6.8

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

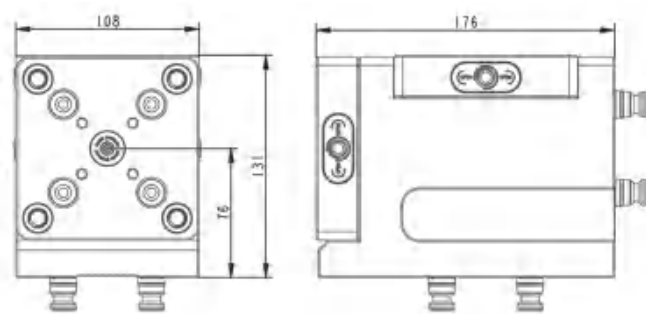
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MB1-52-100	18KN	52 Pull Stud	4.3

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

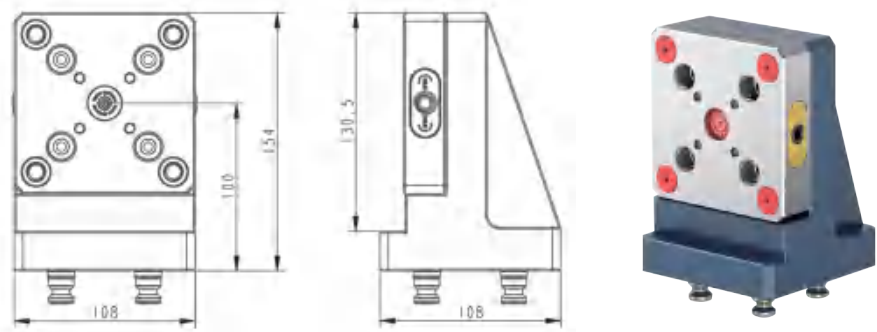
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MB2-52-100	18KN	52 Pull Stud	8.8

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

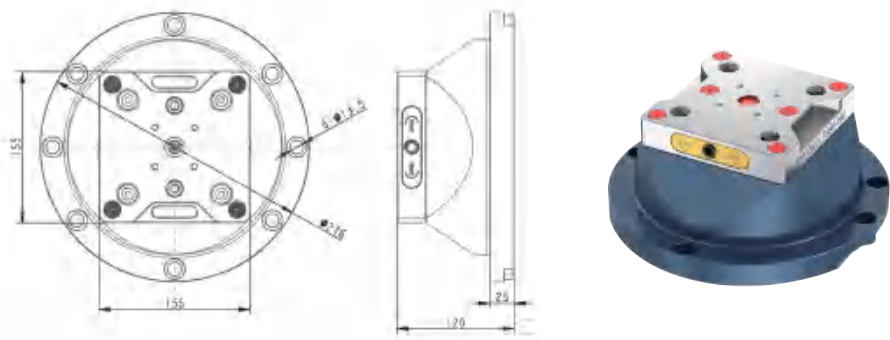
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MS1-52-154	18KN	52 Pull Stud	4.2

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

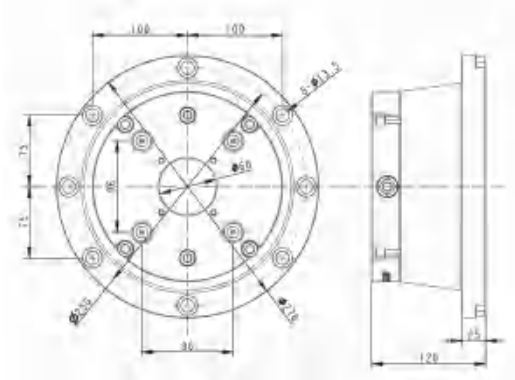
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ230-MD1-96-120	22KN	6XM12	15

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

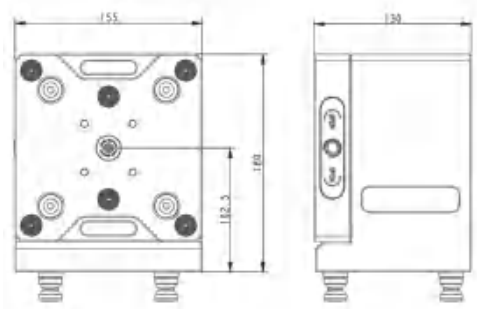
Technical parameters

Unit: mm

Ordering code	Locking force	Bolt	Weight
BZ230-MD1-96-120T	20KN	6XM12	15.6

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

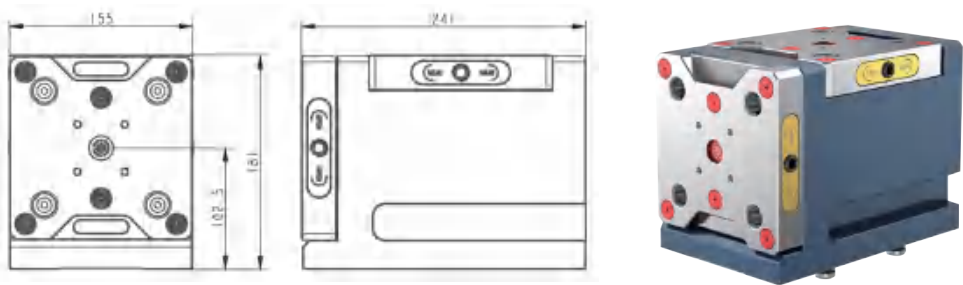
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MB1-96-180	22KN	96 Pull Stud	12.8

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

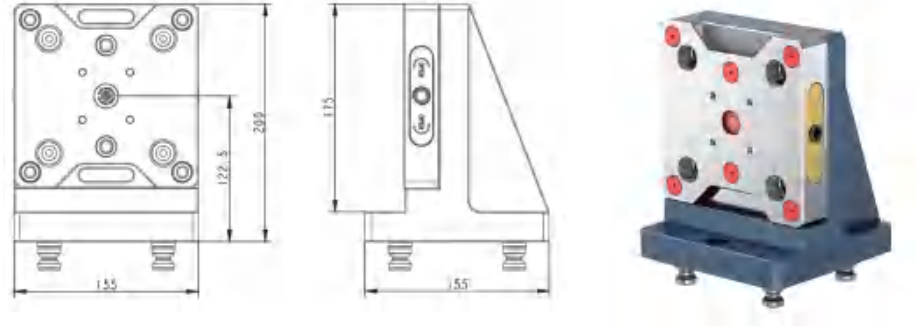
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MB2-96-181	22KN	96 Pull Stud	24

- The spare parts can be ordered separately. Please inquire on demand

Zero plus tower



- Material: Aluminum + hardened stainless steel
- Manual clamping and unlocking, simple operation, no need for additional power source
- Surface hardening treatment, high wear resistance

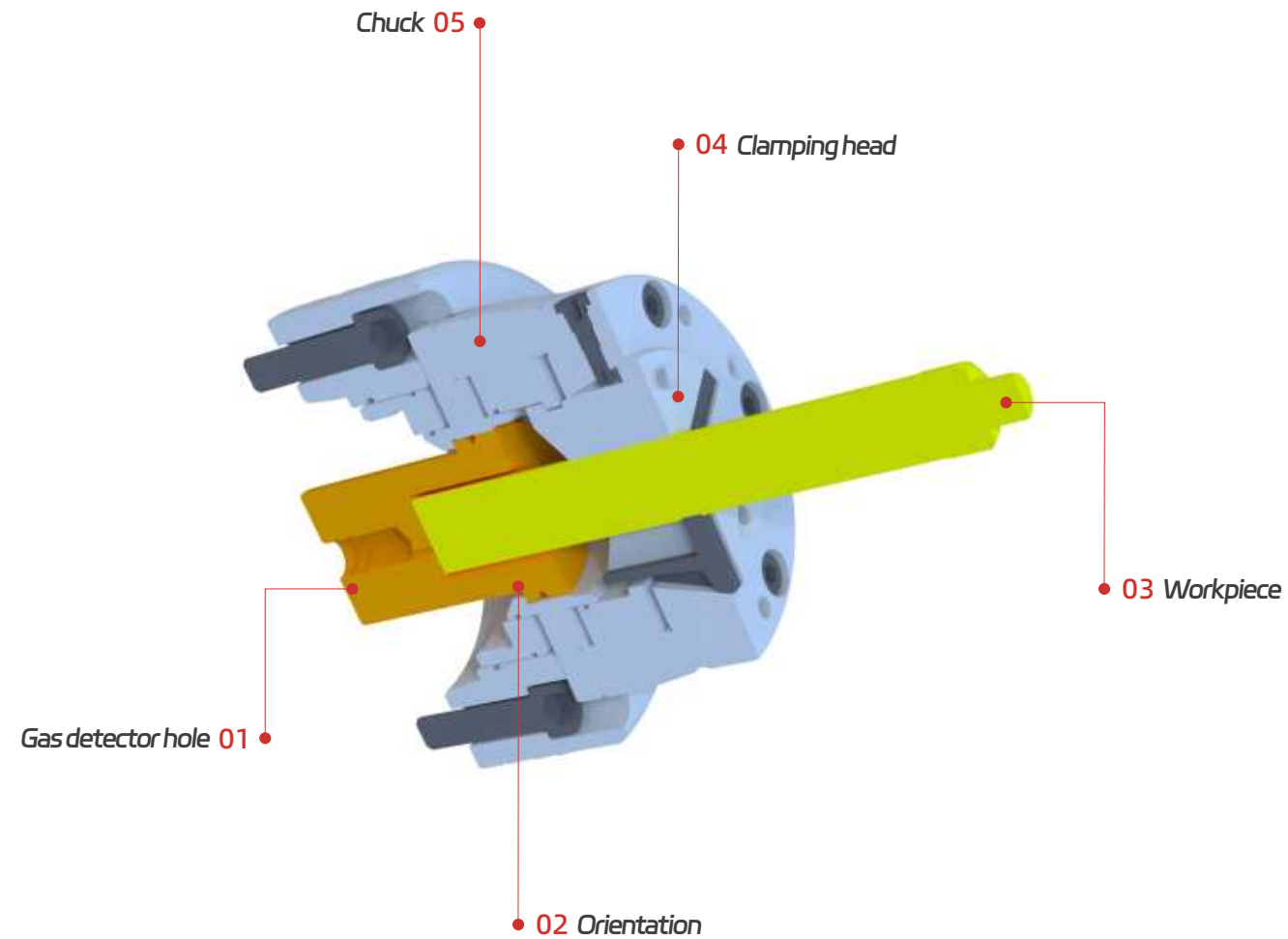
Technical parameters

Unit: mm

Ordering code	Locking force	Locking mode	Weight
BZ230-MS1-96-200	22KN	96 Pull Stud	12.8

- The spare parts can be ordered separately. Please inquire on demand

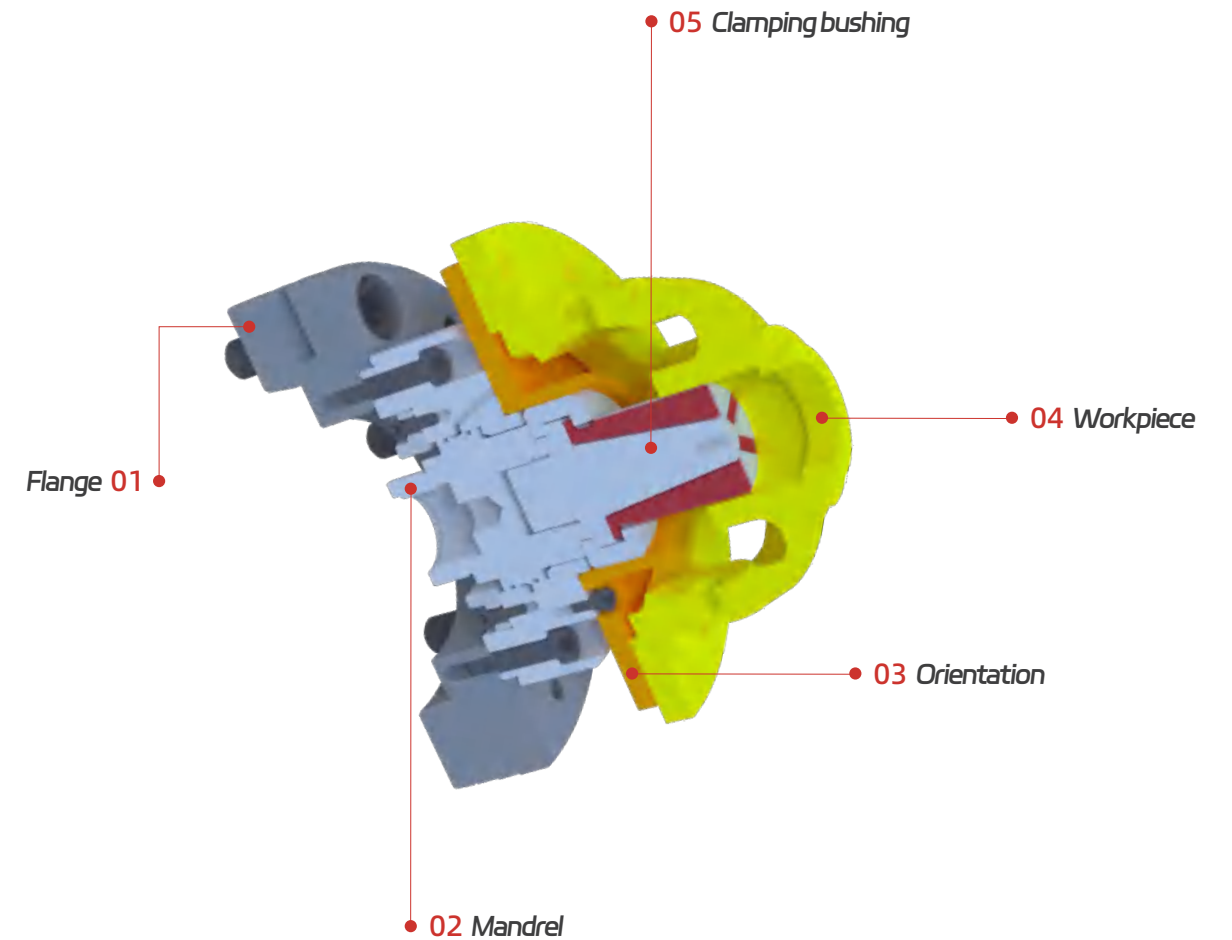
Chuck success cases



Lathe machining

- Machine Tool: Harding
- Jobs: Bushing
- Processing method: Machining end face and inner hole
- Driving mode: Machine tool pull rod
- Features: The reverse expansion of the workpiece ensures the end face and axial accuracy within 0.003mm

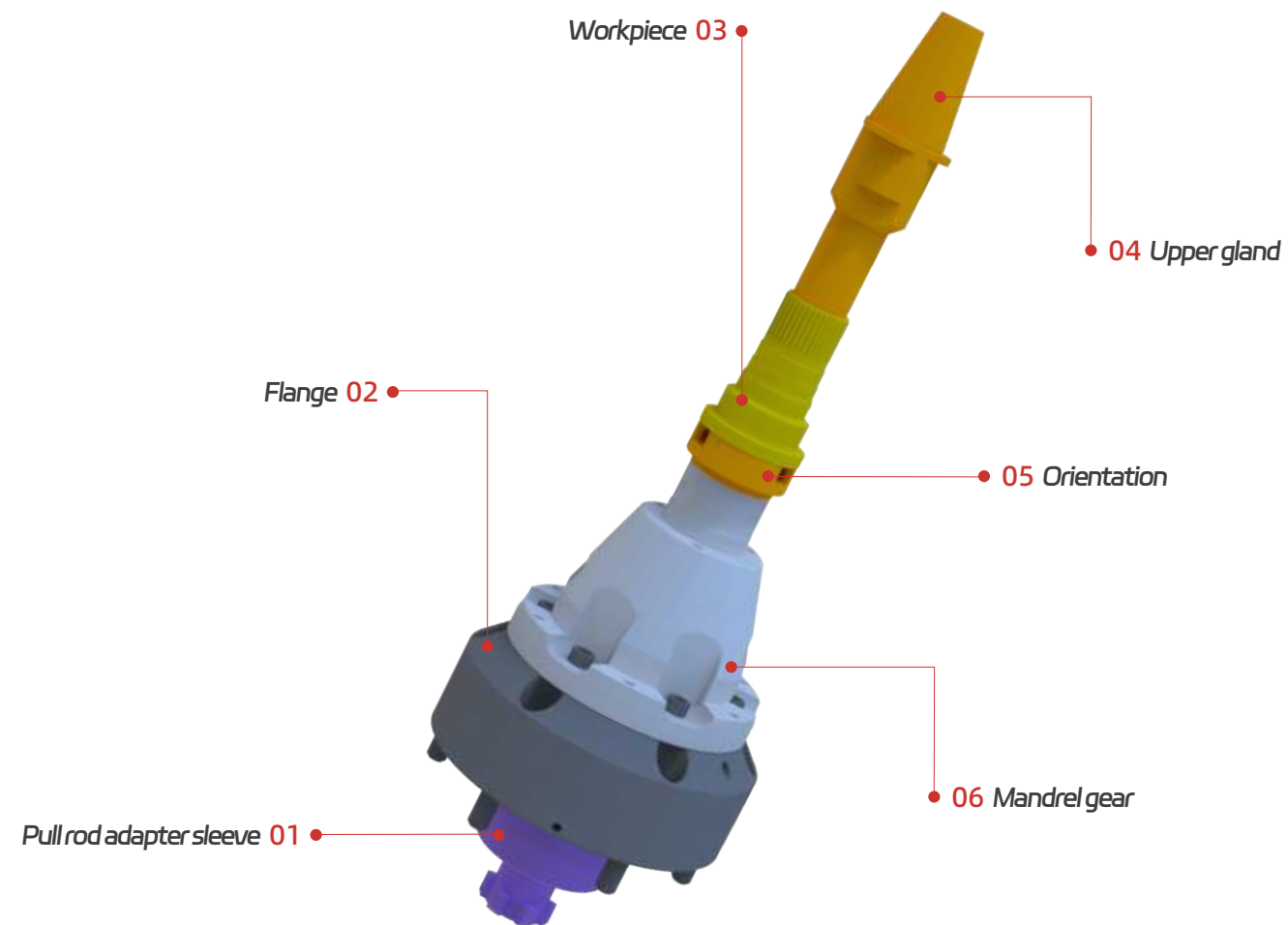
Arbor success cases



Lathe machining

- Machine Tool: MAZAK QSM250L/500
- Jobs: Differential shell
- Processing method: Machining end face and inner hole
- Driving mode: Machine tool pull rod
- Features: The reverse expansion of the workpiece ensures the end face and axial accuracy within 0.003mm

Gear success cases



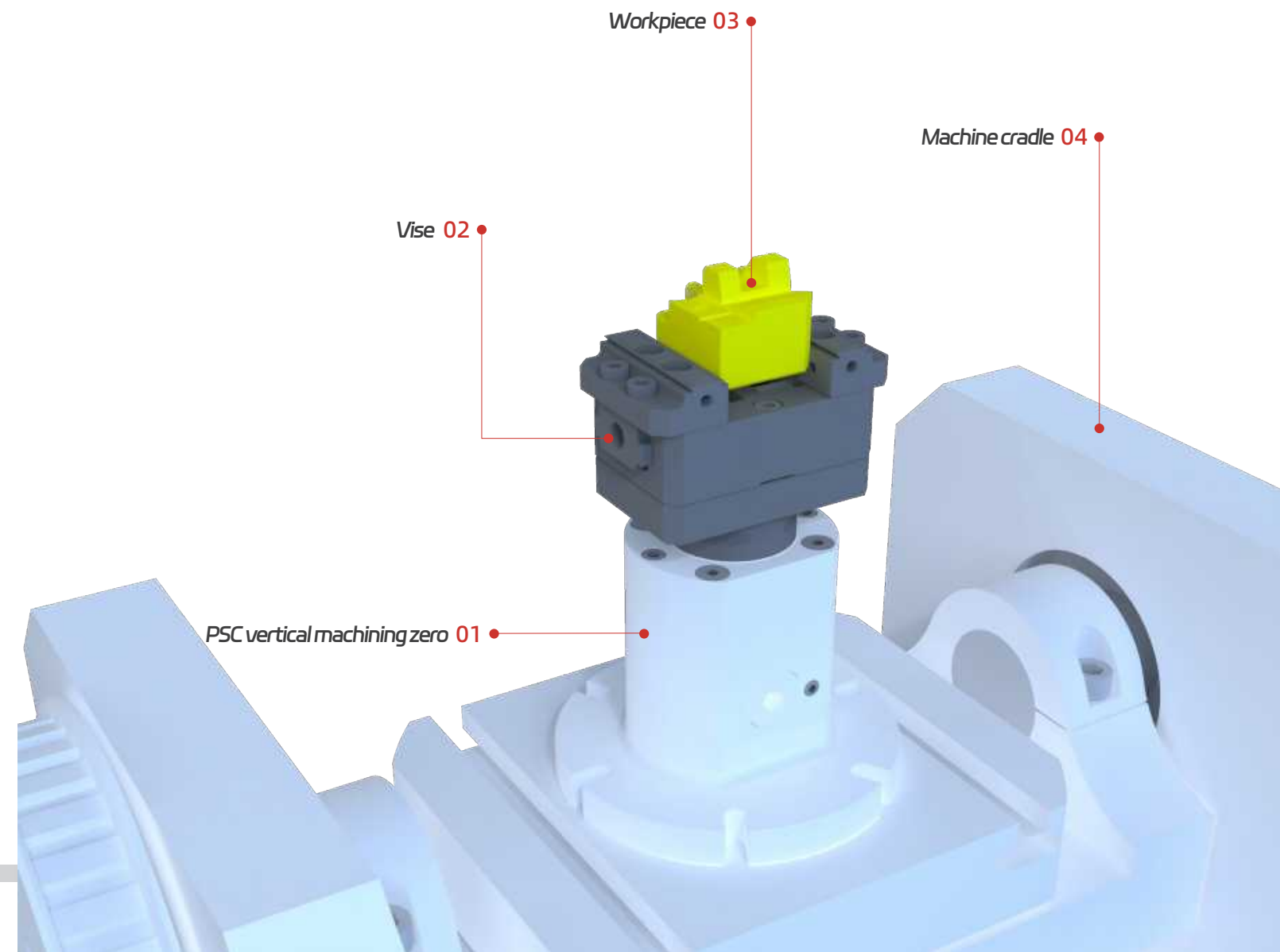
Lathe machining

- Machine Tool: Nidec GE25A
- Jobs: Planetary teeth
- Processing method: Fine rolling after heat
- Driving mode: Machine tool pull rod
- Features: After the hot precision gear, the machine tension to thrust base;
The upper gland is pressed tightly; End face and radial runout <0.005mm;
Gear hobbing accuracy up to 4 levels

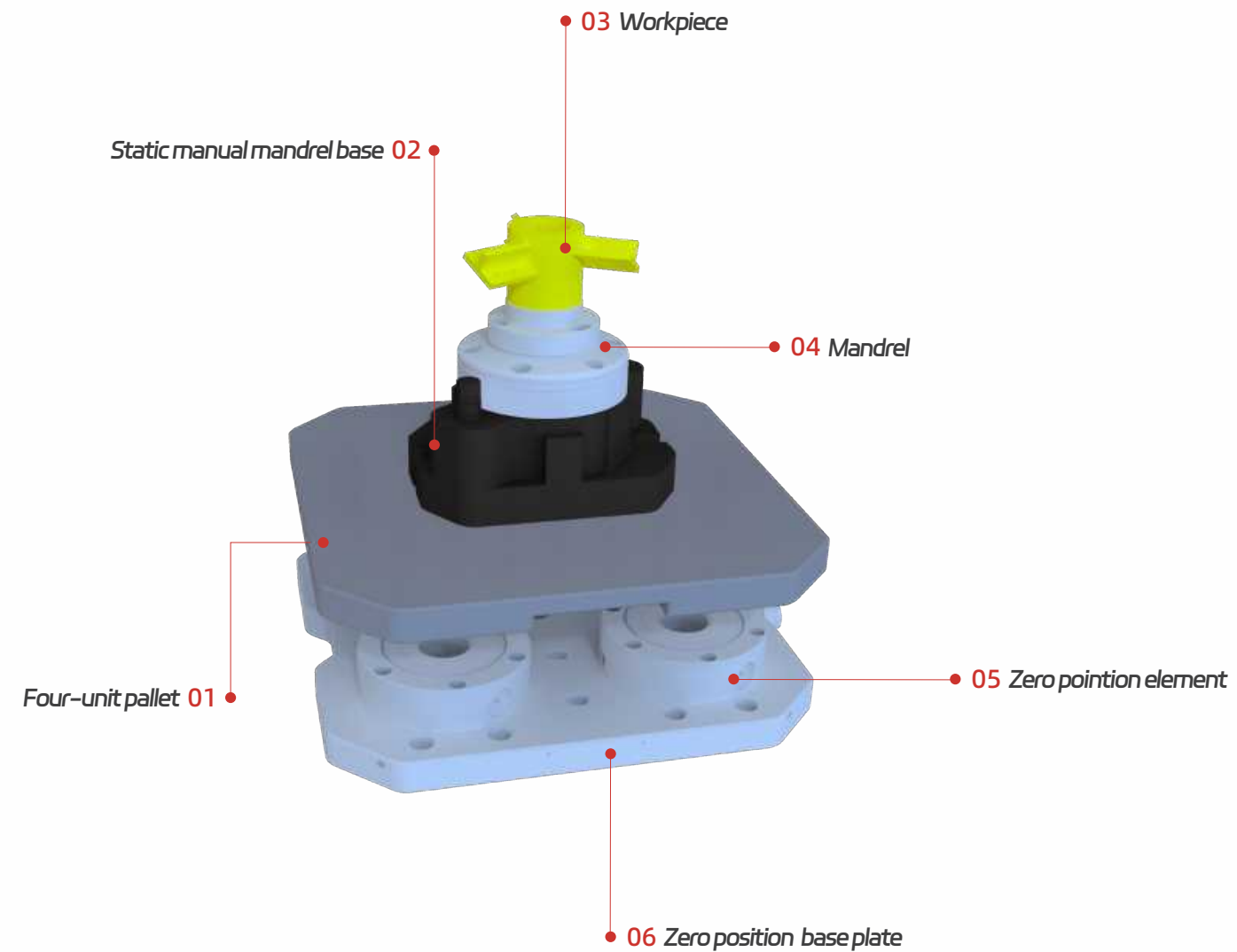
Vise success cases

Five axes machining

- Machine Tool: Five-axis Hammer
- Jobs: Non-standard knife holder
- Processing method: Fine milling cutter groove, tap thread
- Driving mode: Hand locking
- Features: Repeated positioning accuracy 0.002mm



Successful Zero-Point positioning applications



Five axes machining

- Machine Tool: Five-axis Demagee
- Jobs: Blade fan
- Processing method: Fine milling the outside profile
- Driving mode: Air-operated zero with manual mandrel clamping
- Features: Five-sided processing, high degree of machining freedom



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