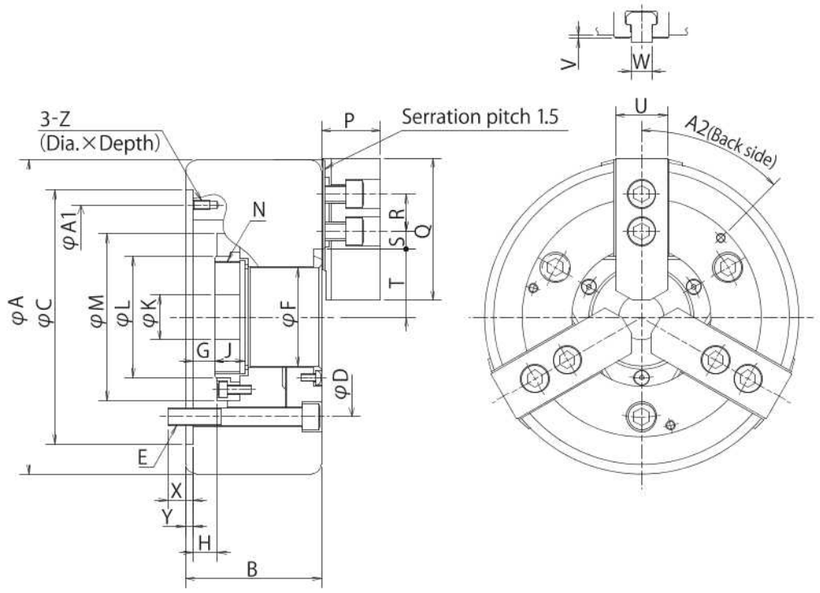


Dimensions ※Blank draw nut equipped.

Model \ Dimensions	A	B	C (H6)	D	E	F	G max.	G min.	H max.	H min.	J	K	L	M
BR06	170	81	140	104.8	3-M10	53	11	-1	12	0	17.5	20	66	89.7
BR08	210	91	170	133.4	3-M12	66	14.5	-1.5	16	0	20	30	81	111.6
BR10	254	100	220	171.4	3-M16	81	8.5	-10.5	19	0	25	45	97	142.6
BR12	315	108	300	235	3-M20	106	8	-15	23	0	28	50	124	167

Model \ Dimensions	N max.	P	Q	R	S max.	S min.	T max.	T min.	U	V	W	X	Y	Z	A1	A2
BR06	M60×2	33.2	72	20	21.25	9.25	36.05	33.3	31	2	12	16	5	M6×11	116	90°
BR08	M75×2	39.2	95	25	23.75	11.75	45.5	41.8	35	2	14	17	5	M6×11	150	45°
BR10	M90×2	43.2	110	30	32.25	14.25	54	49.6	40	2	16	22	5	M8×15	190	75°
BR12	M115×2	51.7	111	30	45.75	12.75	68.8	63.5	50	2.5	21	29	6	M10×16	260	75°

Specifications

※The weight and the moment of inertia include mounting bolts and soft jaws.
The calculation is assuming that the master jaws are at the centre of stroke and soft jaws are at as of the outline drawing.

Model \ Specifications	Thru-hole mm	Gripping range mm Max.	Gripping range mm Min.	Jaw stroke (diameter) mm	Plunger stroke mm	Max. speed min⁻¹	Max. draw bar pull force kN (kgf)	Max. gripping force kN (kgf)	Dynamic gripping force at max. speed kN (kgf)	Net weight kg	Moment of inertia kg·m²	Matching cylinder	Max. pressure MPa (kgf/cm²)	Matching soft jaw
BR06	53	170	16	5.5	12	6000	23 (2345)	58.5 (5965)	23 (2294)	12.8	0.052	SR1453	2.6 (26.5)	SB06B1
												SS1453K	2.4 (24.5)	
BR08	66	210	22	7.4	16	5000	35 (3569)	90 (9177)	36 (3671)	22.2	0.14	SR1566	3.3 (33.7)	SB08B1
												SS1666K	2.6 (26.5)	
BR10	81	254	31	8.8	19	4500	49 (4997)	123 (12543)	44 (4487)	35.8	0.32	SR1781	3.5 (35.7)	SB10B1
												SS1881K	3.2 (32.6)	
BR12	106	315	49	10.6	23	3500	59 (6016)	153 (15602)	50 (5099)	58.3	0.81	SR2010	3.3 (33.7)	SB12N1
												SS2110K	2.94 (30.0)	

Kitagawa Corporation **Kitagawa Global hand Company**
77-1 Motomachi, Fuchu-shi, Hiroshima-pref. 726-8610, Japan Tel. +81 847-40-0561 Fax. +81 847-45-8911

- Specifications and outside appearance are subject to change without notice due to ongoing research and development.
- The color of the actual product may be different from the catalogue's due to printing matters.
- Catalogue contents as of 2019.6
- The products herein are controlled under Japanese Foreign Exchange and Foreign Trade Control Act.
  In the event of importing and/or exporting the products,
  You are obliged to consult KITAGAWA as well as your government for the related regulation prior to any transaction.

kitagawa

The Next Generation Standard Chuck,
transforming conventional machining methods

Next Generation Standard Chuck BR SERIES

NEW

The jaw-reforming at setup change is eliminated. (With GO-NUTS)

https://brchuck.com

PAT No. 6345375
PAT No. 6345321

CE correspondence

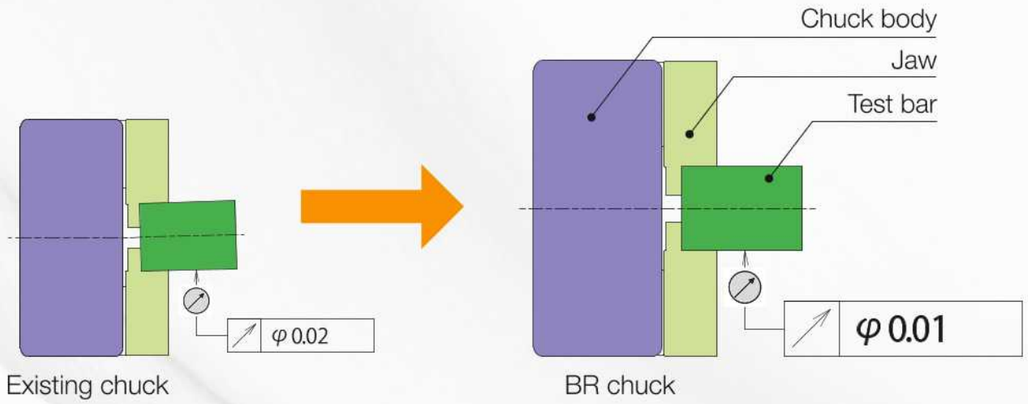
CHUCK

Next Generation Standard Chuck **BR** SERIES

Next generation standard chuck

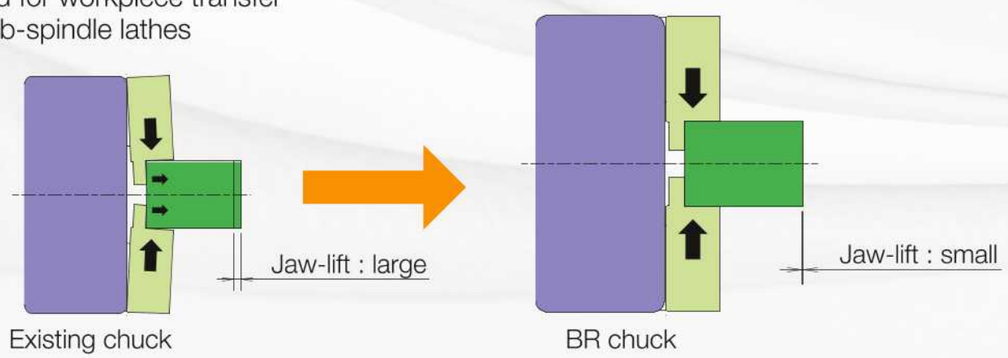
1 Gripping accuracy of 0.01 mm T.I.R. or less, transforming standard machining methods Note1)

This chuck can be also used for finishing process.



2 Reduced jaw-lift

Stable gripping accuracy
Good for workpiece transfer
in sub-spindle lathes



3 Interchangeable with Kitagawa B-200 & BB200 Existing cylinder can be used.

4 Modern appearance Body with rounded corner edge

Dedicated QR code to access technical information

https://brchuck.com

CHUCK

With the optional special T-nuts the chuck will become more accurate

GO NUTS

Note2)

Maintaining a repeatability of 0.01 mm T.I.R. or less after changing jaws

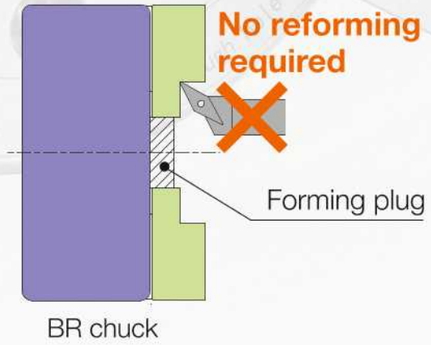
The BR-Plus jaw mounting design enables unrivalled top jaw exchange accuracy.

1 Eliminating jaw-reforming at setup change

Significant reduction of setup time
3 setup changes per day, 30 minutes jaw forming per setup change

350 hours per year = Approx. €14,000

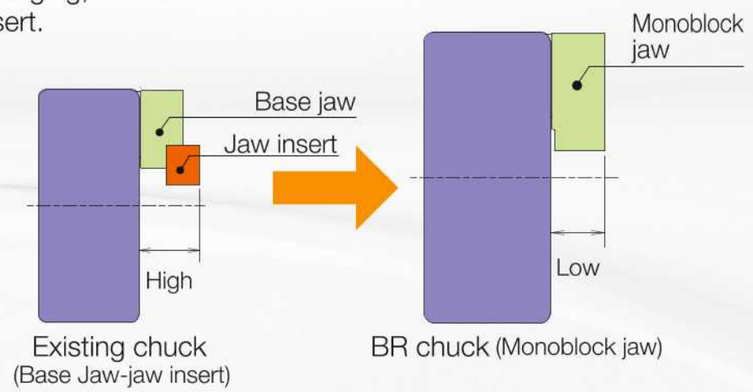
Please watch the video from the QR code on the right.



2 Base jaw & jaw inserts can be replaced with single-piece top jaws (monoblock).

Due to high repeatability at jaw changing, it is not necessary to use base jaw-jaw insert.

The chuck can rotate at higher speed so that the surface roughness is improved as well as reducing cycle time.



3 Kitagawa soft jaws on your shelves can be used.

※High repeatability can be realized only with Kitagawa genuine soft jaws. Use of jaws manufactured by a third party may cause deterioration of repeatability, sliding surface seizure or damage to parts.

Note 1) The gripping accuracy is the Total Indicator Reading of the test bar right after forming jaws.
Note 2) The repeatability is the amount of the test bar runout measured by detaching the formed jaws from the chuck and mounting them again in the same position.
Note 3) Both the gripping accuracy and repeatability are the amounts of test bar runout measured 10 mm apart from the top end of Kitagawa standard soft jaw.
The above criteria are based on our internal regulations.