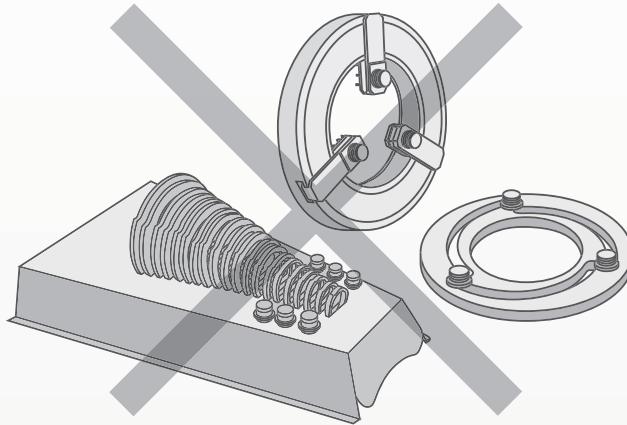




JAW BORING POWER CHUCK CATALOG.

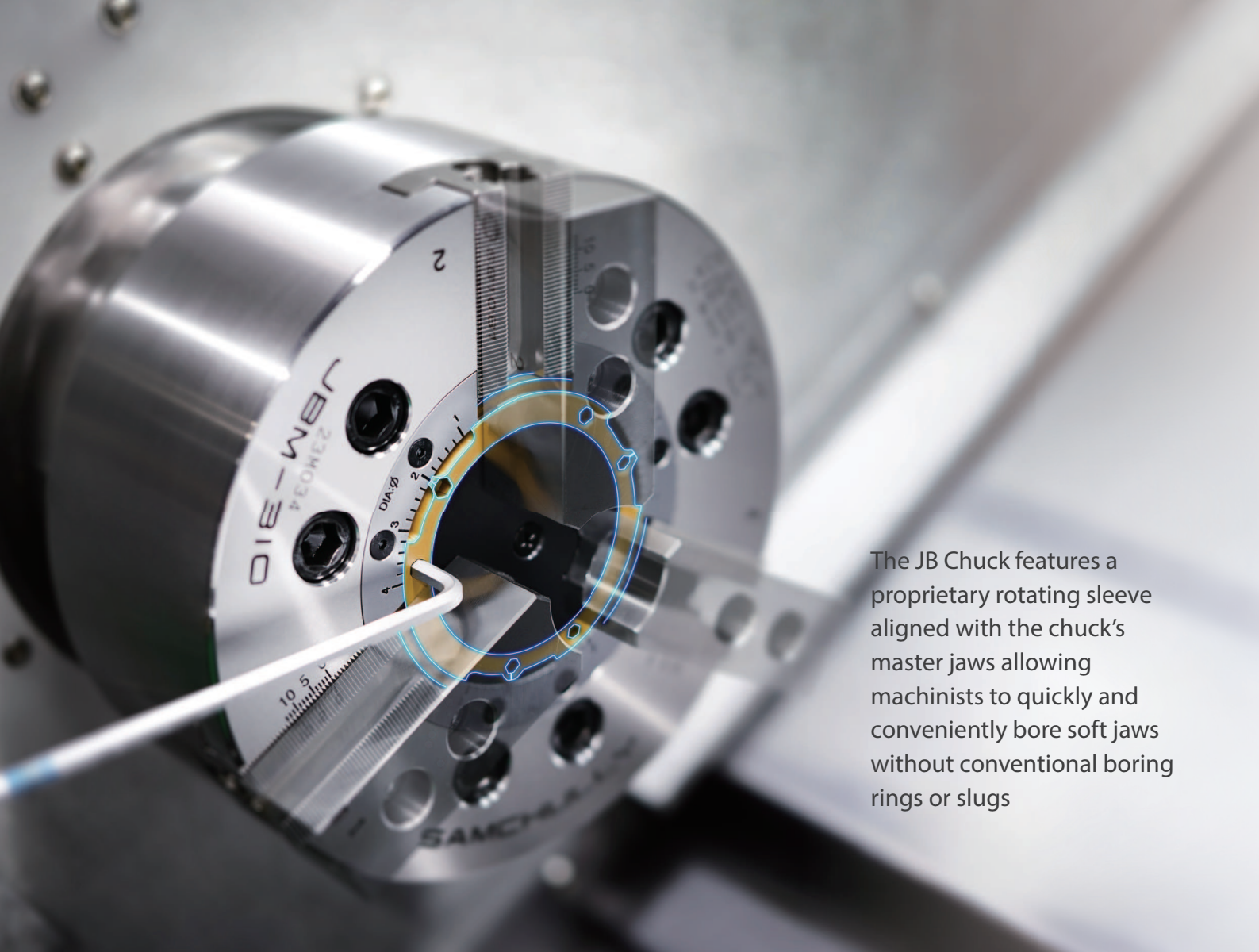
The world's first power chuck
with a built-in boring ring.
No special equipment required
to bore jaws.





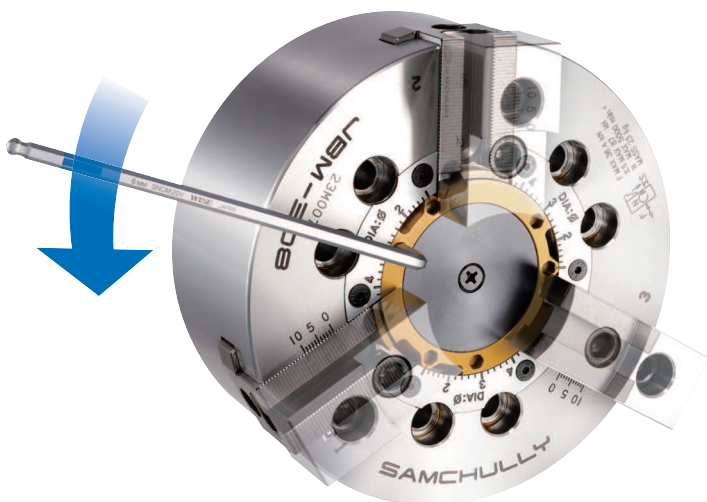
The JB Power Chuck eliminates the need for costly conventional boring rings and pre-machined slugs. A standard hex head Allen Wrench is the only tool required to bore jaws.





The JB Chuck features a proprietary rotating sleeve aligned with the chuck's master jaws allowing machinists to quickly and conveniently bore soft jaws without conventional boring rings or slugs

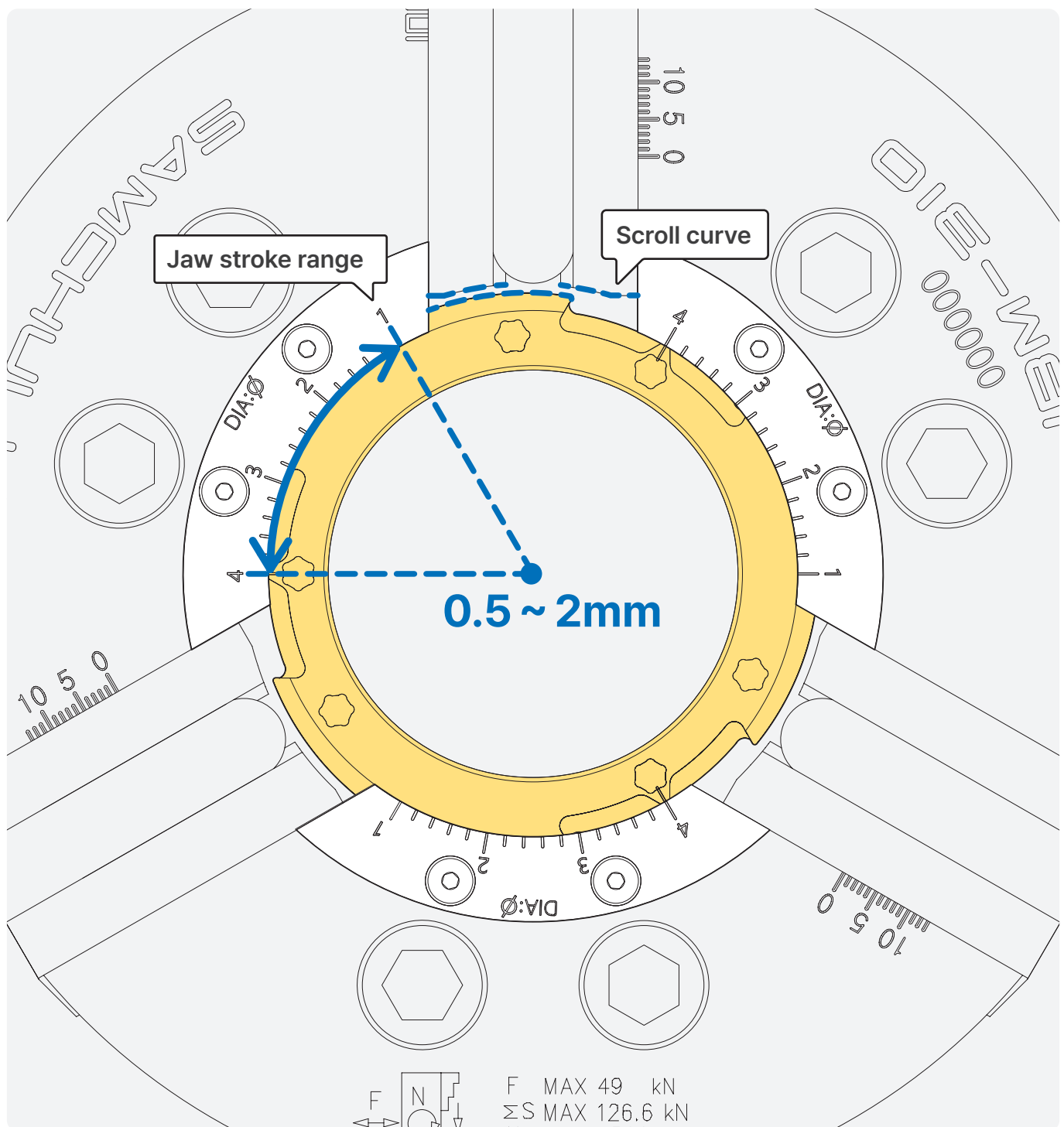
EASY ADJUSTMENT



Minimizes downtime up to 90% by eliminating cumbersome calculations and adjustments.

EXTENDS THE LIFE OF SOFT JAWS

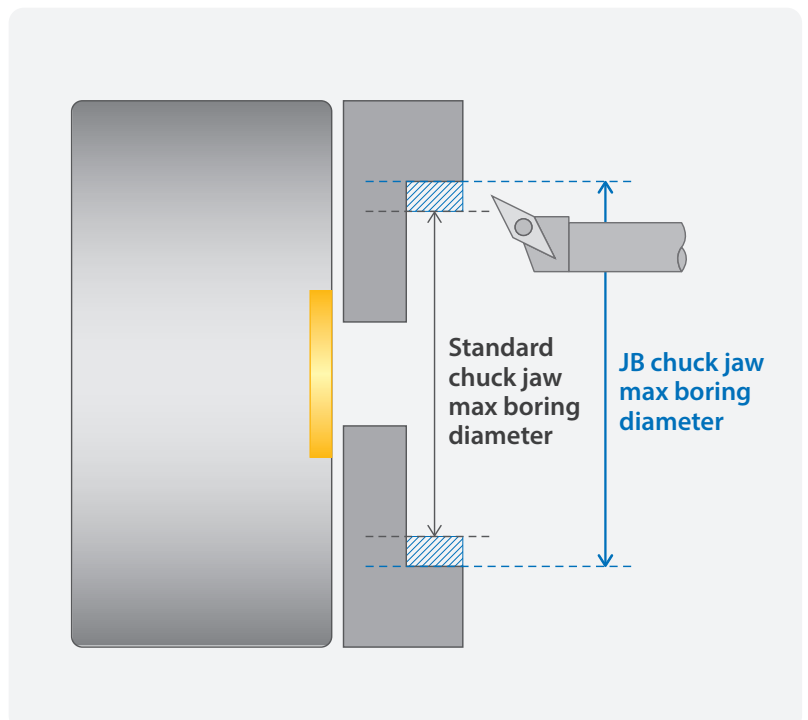
Standard hydraulic chuck jaws must be bored in increments of at least one serration pitch, 1.5 mm (0.059"). The JB Chuck's scroll curve provides much finer adjustment capabilities, allowing customers to bore jaws in significantly smaller increments of just 0.004" (0.1 mm). This feature extends the lifespan of soft jaws by enabling them to be bored up to 15 times more than the jaws of a standard power chuck.



EXTENDED JAW BORING RANGE



The JB Chuck increases the maximum boring diameter 20% by eliminating the boring ring that attaches to the jaw mounting bolts.





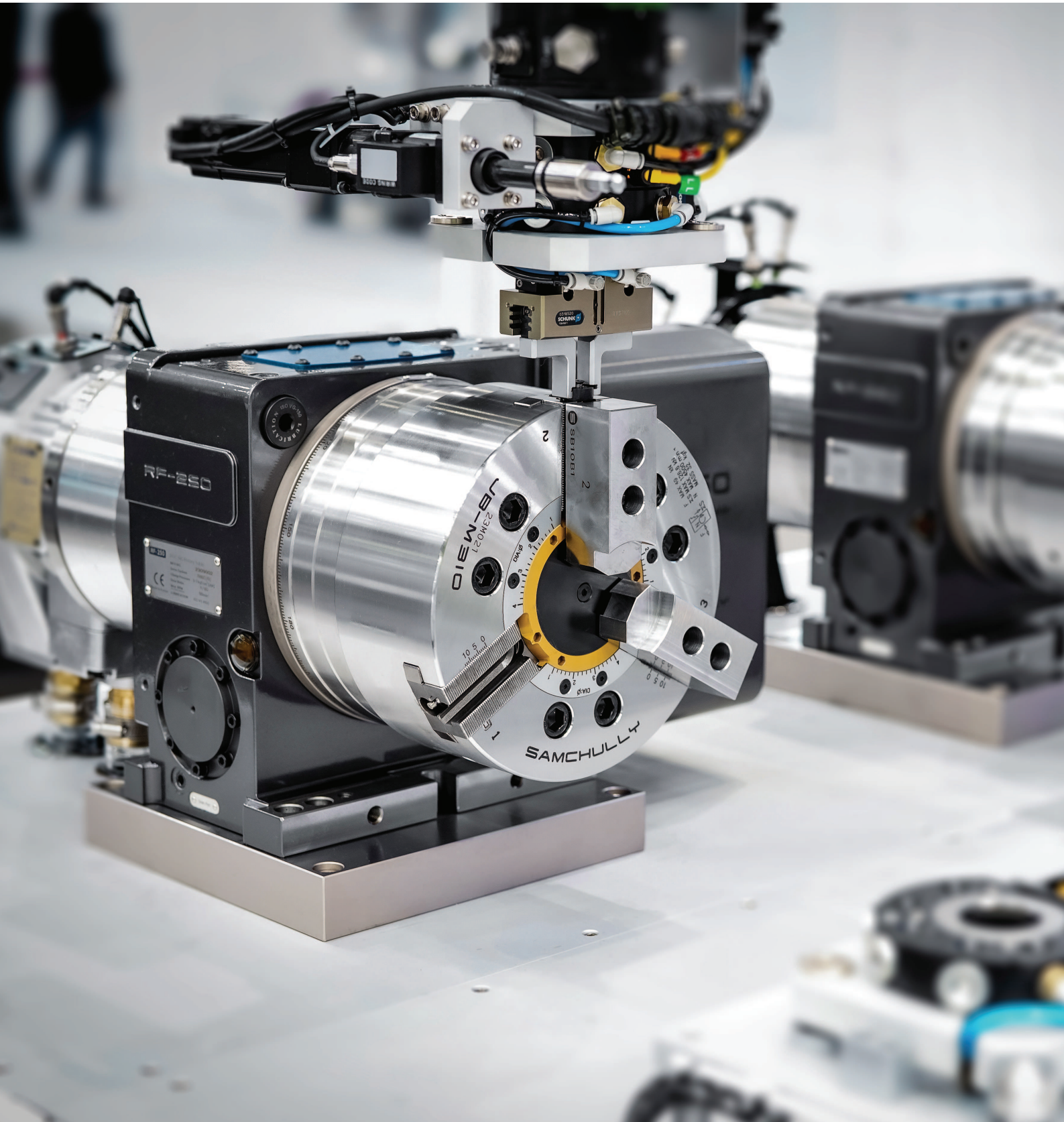
PRECISION

Achieves runout of 0.0004" (0.01mm) with bored jaws.

The JB chuck achieves the same level of accuracy you've come to expect from a premium quality Samchully power chuck .

ROBOT READY

Standard power chucks are challenging to integrate with automation, as boring the jaws requires manual intervention. The JB chuck has the unique capability of automating this process.



POSITIONING REFERENCE



Easy Setup

The laser-etched scale on the chuck face, combined with the witness mark on the soft jaws, enables precise alignment of all three jaws on the same serration pitch.



PERFECT COMPATIBILITY

100% compatible with Standard chucks (HS, MH Series)



HS Type ▶ JBH



MH Type ▶ JBM





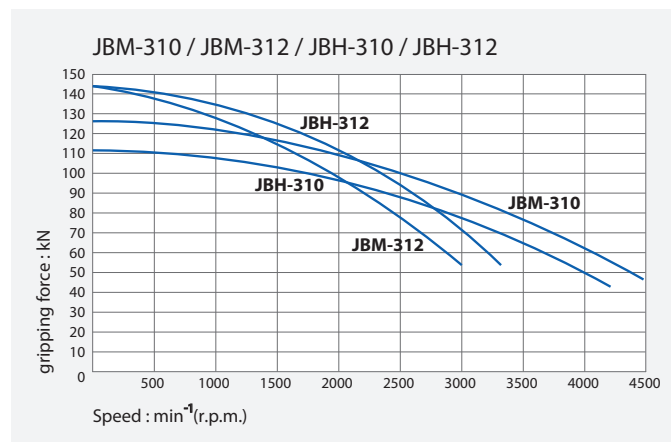
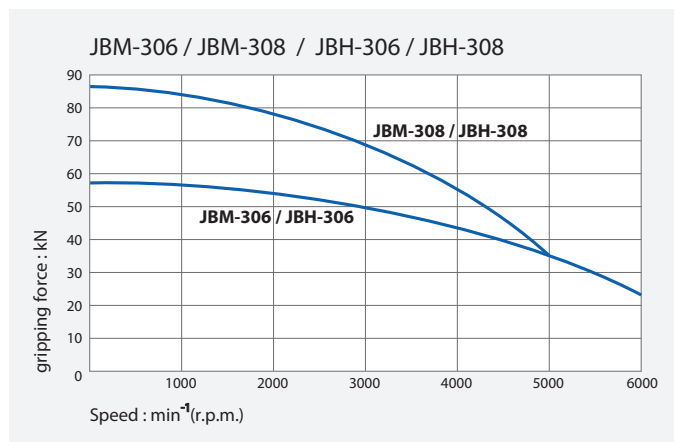
JBM / JBH

Jaw Boring Open Center Hydraulic Chuck

Application / Customer's Benefit

- Eliminates boring rings
- Reduce set-up time for boring soft jaws by 90%
- Bore soft jaws in fine increments of 0.1mm
- Extend the life of soft jaws

ACTUAL GRIPPING FORCE DIAGRAM



※ Adjust the RPM and hydraulic clamping pressure appropriately for tall or heavy non-standard jaws and oversize workpieces to avoid catastrophic failure.

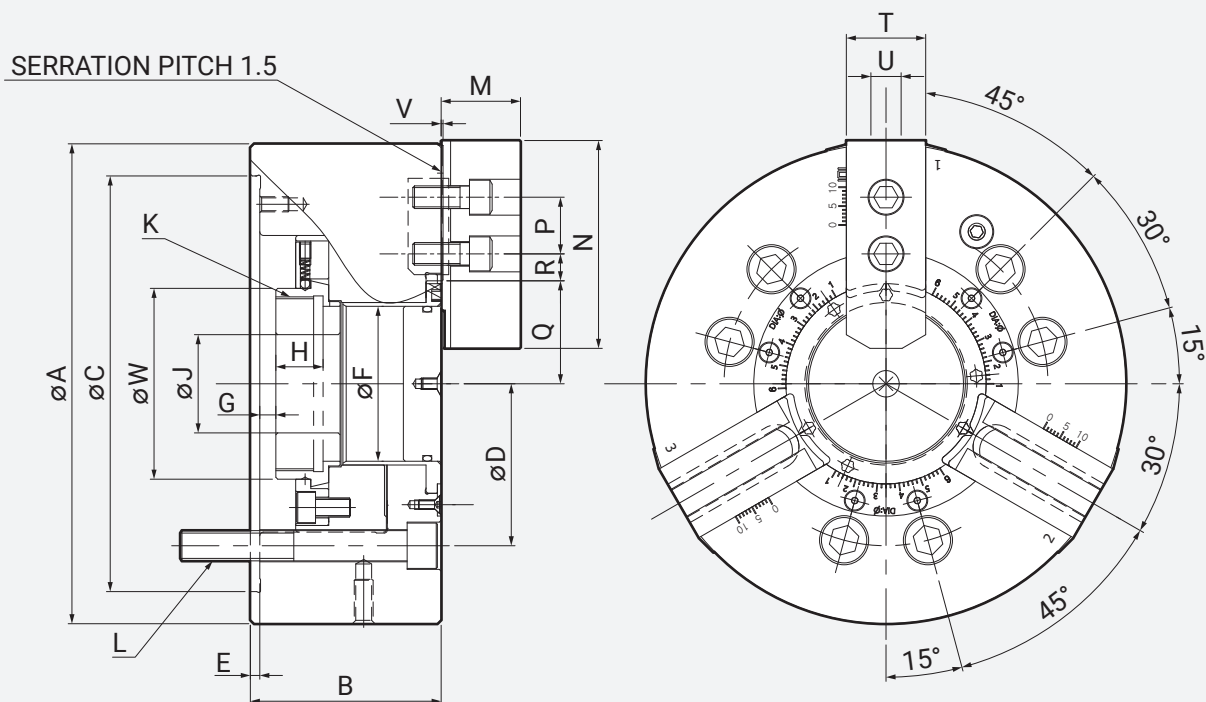
SPECIFICATIONS

	JBM-306	JBM-308	JBM-310	JBM-312	JBH-306	JBH-308	JBH-310	JBH-312
Thru Hole Dia. [mm]	52	66	82	103	46	52	77	91
Grip Dia. Max [mm]	175	210	254	315	169	210	254	304
Grip Dia. Min. [mm]	16.5	23	30	54	15	13	31	34
Jaw Stroke Dia. [mm]	6.4	7.4	8.8	10.6	5.5	7.4	8.8	10.6
Plunger Stroke [mm]	15	16	19	23	12	16	19	23
Max. Permissible Input Force [kN(kgf)]	24(2551)	36.4(3711)	49(4998)	55(5608)	22.0 (2243)	34.8 (3549)	43.0 (4385)	55.0 (5608)
Max. Static Gripping Force [kN(kgf)]	57(5812)	87(8872)	126.6(12848)	144(14686)	57 (5812)	86 (8769)	111 (11319)	144 (14686)
Max. r.p.m. [min ⁻¹]	6000	5000	4500	3000	6000	5000	4200	3300
Weight [kg]	12	23.1	32.1	55.4	11.9	22.3	34.5	55.3
Moment of inertia [kg-m ²]	0.061	0.14	0.33	0.85	0.05	0.15	0.31	0.70
Operating Cylinder	SD-15452	SD-17568	SD-18582	SD-21510	SD-13546	SD-15452	SD-18577	SD-20591
Max. Hydraulic Pressure [MPa(kgf/cm ²)]	1.64(16.7)	2.34(23.9)	2.74(28)	2.65(27.2)	2.80 (28.6)	2.65 (27.0)	2.70 (27.5)	2.70 (27.5)
Jaw Boring Stroke [mm]	0.5 ~ 2	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3	0.5 ~ 2	0.5 ~ 3	0.5 ~ 3	0.5 ~ 3
Operating Hard Jaw	HB06A1	HB08A1	HB10A1	HB12A1	HB06A1	HB08A1	HB10A1	HB12N1
Compatible Chuck	MH-206	MH-208	MH-210	MH-212	HS-06	HS-08	HS-10	HS-12

※ Maximum turning speed is based upon actual measurement.

※ Specifications are subject to change without notice.

※ Samcully Machinery Co., Ltd. is no longer an OEM manufacturer for Kitagawa® Iron Works Co., Ltd.



※ It is recommended to grease chucks at least twice a day in order to maximize longevity.

DIMENSIONS

Thru Hole Range : Ø46~Ø103 / Clamping Range : Ø13~Ø315

	JBM-306	JBM-308	JBM-310	JBM-312	JBH-306	JBH-308	JBH-310	JBH-312
ØA	175	210	254	315	169	210	254	304
B	82	92	101	111	82	92	101	111
ØC	140	170	220	300	140	170	220	220
ØD	104.78	133.4	171.4	235	104.8	133.4	171.4	171.4
E	5	5	5	6	5	5	5	6
ØF	52	66	82	103	46	52	77	91
G max.	14	7.5	8.5	8	11	14.5	8.5	8
G min.	0	-8.5	-10.5	-15	-1	-1.5	-10.5	-15
H	17.5	27	25	28	19	20.5	25	28
ØJ	20	30	52	66	20	30	45	50
K max.	M60x2.0	M75x2.0	M90x2.0	M116x2.0	M55x2.0	M60x2.0	M85x2.0	M100x2.0
L	3-M10x95	3-M12x115	3-M16x120	3-M20x130	6-M10x95	6-M12x105	6-M16x120	6-M16x130
M	32	38.5	42	50.5	31	38.5	43	50.5
N	72	95	110	111	72	95	110	111
P	20	25	30	30	20	25	30	30
Q max.	38	45.7	54.5	69.3	32	38.7	51	61.3
Q min.	34.8	42	50.1	64	29.25	35	46.6	56
R max.	21.75	23.75	32.25	43.75	22.75	29.75	33.75	45.75
R min.	10.25	11.75	14.25	15.75	9.25	14.75	14.25	15.75
T	31	35	40	49	31	35	40	49
U	12	14	16	21	12	14	16	21
V	1	1	1	1	2	2	2	2
ØW	65	80	101	124	60	66	94	108

※ Blank and machined draw-nuts are available. 'K' is Max. Draw nut size.