

BEVEL GEAR CHUCK

BG Bevel Gear Chuck

"High Precision" "Pull Back" "High Speed" "Dust Protection" "Design Spec"



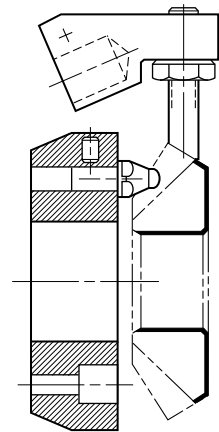
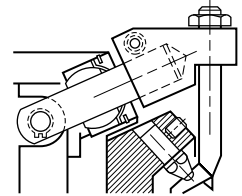
The BG Bevel gear chuck is a design power chuck, designed for rough and finish machining or grinding of reverse surface of the gear after standardizing gear surface of bevel gear and pinion gear. The BG chuck machining accuracy to the gear surface by interchangeable type of gear cages based on 3 kinds of chucks (the Universal gear chuck, the face clamp chuck [Jaw escaping type], and the UBL compensating type) in compliance with customer's requests. The jaws of the BG chuck have floating function and can clamp uniformly the work-piece even if it happens small waving at the surface of work-piece. Exclusive gear cage has two kinds which "pin" method and "all tooth surface" method. As for the pin method, it is cutting chip and dust resistant, and "all tooth surface" method is excellent durability. We are able to grant you your request such as resizing of the chuck, air blow for cutting dust / pusher or cage etc ...

FINGER CLAMP TYPE

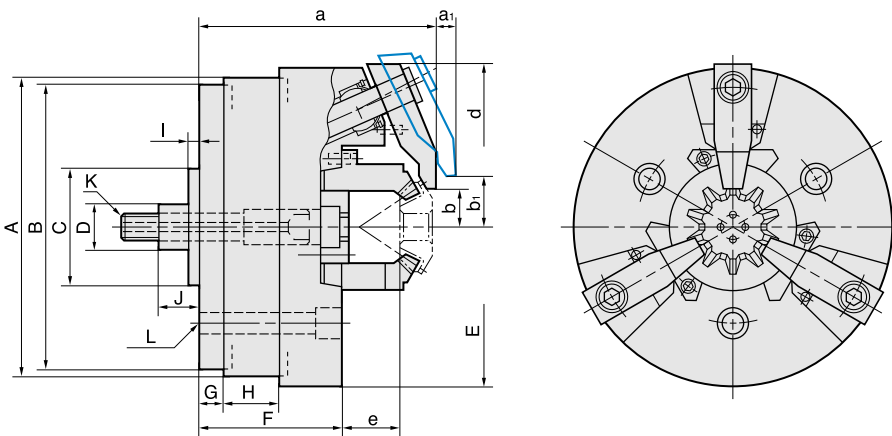
UG Universal Gear Chuck

Advantages

- The finger jaws move as circular swing motion which allows to have large opening space and easily clamp inclined portion of the opposite surface of the gear. There is no influence to run-out accuracy that could be caused by one-side clamping.
- As inside of the UG chuck is adopted the ball joint mechanism so less affected by worn-out, and cutting chips and dust do not enter in inside, it is very easy to maintain the UG chuck in good condition. The actuator shaft has been modified to be one body type so the durability is improved more.
- It is still able to use the rotating cylinder and the drawbar of the NC lathe now being used. If you need the air blow from inside, the work-piece pushing function or so, better to ask consult to the machine maker as well.
- ※ The UG Universal Gear chuck, especially 8 inch, is used as a chuck for turning operation of automobile parts (such as pinions for diff or side gears) in Japanese market. We are also available to provide the Built in Cylinder type or bigger size.



Dimension diagram



Dimensions for reference [Specifications for lathe]

Size	Body basic dimensions													
	A	B	C	D	E	F	G	H	I	J (Stroke)		K	L	
UG-8	205	195	80 ^{h7}	30	215	98	17	38	5	31	28	17	M18	3M12 (P.C.D.133.35)
Parts dimensions						Specifications for lathe								
a	a ₁	b	b ₁	d	e	Cylinder pressure	R.P.M to use	Correction for uneven thickness	Clamping range	Weight				
162	13	27	36	220	40	16.7kN (1700kgf)	2500 min ⁻¹	1 mm	φ 40~100 mm	25 kg				