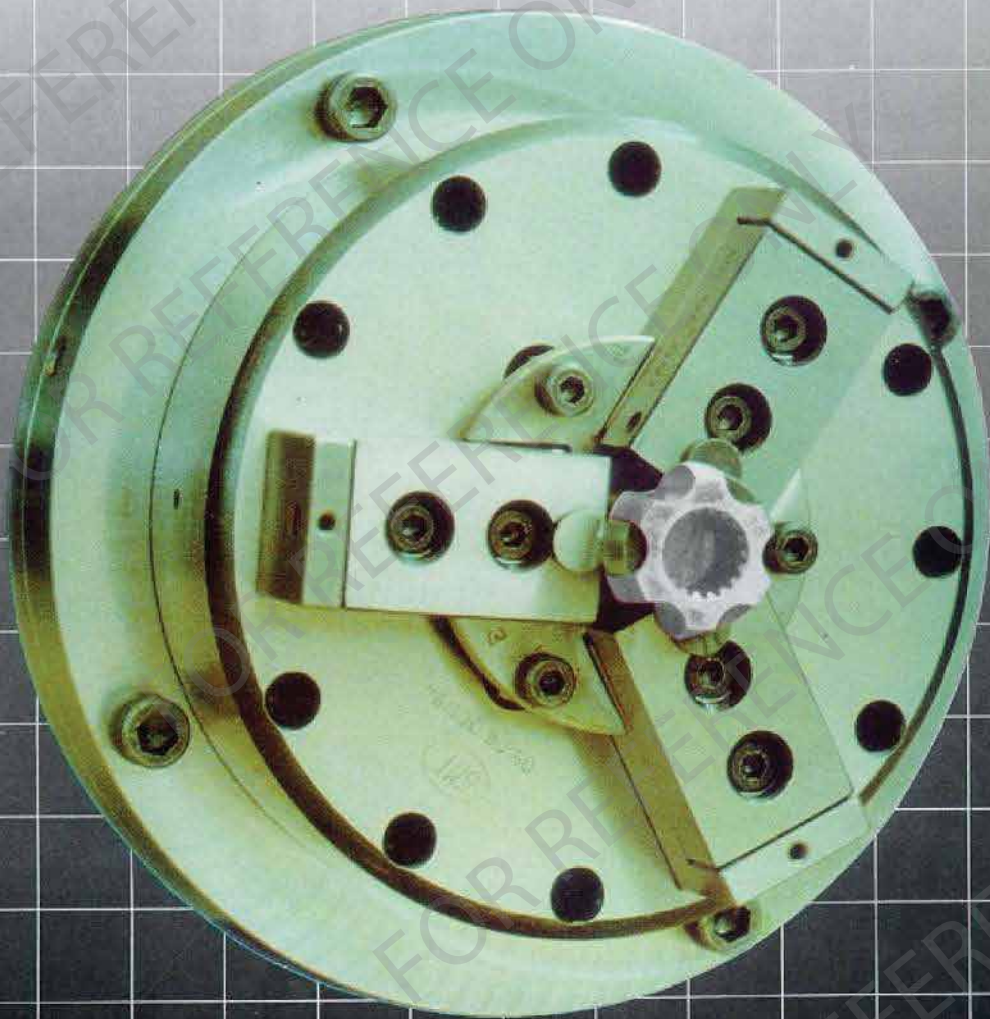




## DIAPHRAGM CHUCK



**GMT** Diaphragm Chucks are primarily used for light accurate turning, fine boring, facing and grinding operations.

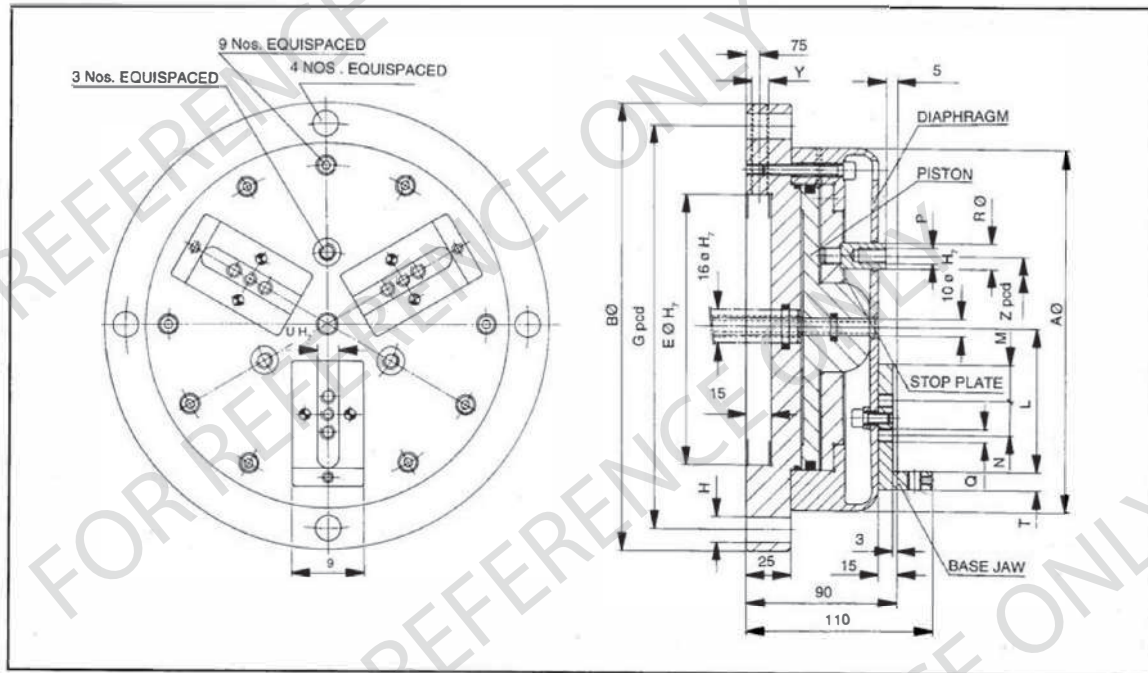
Diaphragm Chuck enables improved accuracy and consistent concentricity to be obtained during precision machining operations.

**OPERATION:** Compressed air is fed through a stationary distributor to the piston. The piston flexes the diaphragm, which opens the jaws, enabling the work piece to be loaded on the chuck.

When the air pressure is released, the diaphragm returns to its normal position, closing the jaws to grip the work piece.

Diaphragm is made up of spring steel and toughened. Base jaws are made of nickel chrome steel, case hardened and precision ground. Piston is made up of forged steel and toughened.

Stop plate, which provides the face butting for the component is rigidly fastened to the non-moving housing and provides for accurate end location.



**DIMENSIONAL SPECIFICATIONS** (All Dimensions in mm)

SIZE	A Ø	B Ø	E Ø H7	G (PCD)	H	L	M	N	P	Q	R	T	U H7	Y	Z (PCD)	g
160	160	200	100	175	12	57	10	20	M6	M6	14	8	10	M8	65	30
200	200	250	150.5	225	14	77.5	17.5	25	M8	M8	15	10	12	M10	80	40
250	250	300	200	275	14	102.5	32.5	30	M8	M10	15	10	14	M10	130	40
315	315	365	200	340	14	132.5	65	30	M8	M8	15	10	14	M10	145	40

Top jaws are offered as optional and to be made as done. Jaws are ground in position to the particular per the component configuration and operation to be component. Lubro control unit is offered as optional.



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