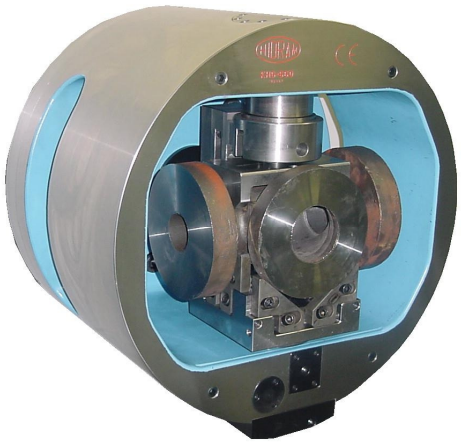
HIDRAM
AMARRES HIDRONEUMÁTICOS S.A.

KHG MODEL

AUTOMATIC INDEXING CHUCK

This model is conceived for fixing pieces that need to revolve for the mechanizing of various sides. Examples of pieces that are mechanized in this type of chuck are bodies of valves, valve covers, automotive components, spiders or fittings



Características

- A high productivity is achieved due to a single fixing the piece can be mechanized in all its sides, since the chuck revolves automatically the necessary degrees for its mechanizing.
- Its great rigidity makes a guaranteed mechanization possible.
- Easy installation to the machine.
- High positioning and repeatability precision.
- Automatic control of security.
- Equipped with a plate holder to be adapted to the machine and with an hydraulic plant so that the chuck can perform its working cycle in co-ordination with the control of the machine.

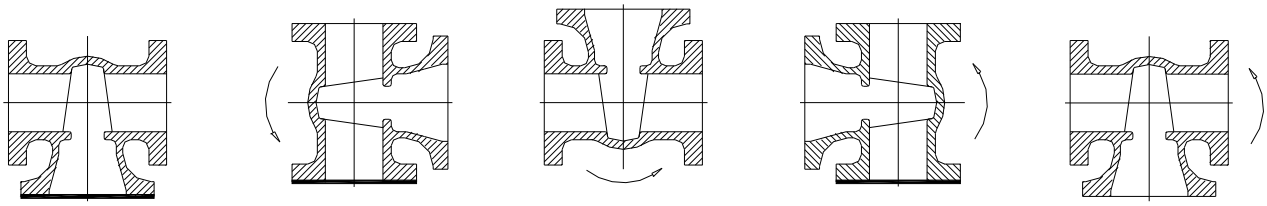
Safety Systems

- Equipped with a safety valve place in rear part to keep the adhesion pressure in the chuck, if for any reason the hydraulic plant fails to work.
- The systems of detectors which send the correspondent signal to the machine control when the chuck carries out each movement. The control of the machine won´t allow the cycle of operations to go on until the systems has given the signal.
- The position detection system is totally integrated in the indexing system in such way that when the chucks carries out a division it is immediately detected by the control of the machine without interrupting the mechanizing process which results in a time gain and an increase in productivity.

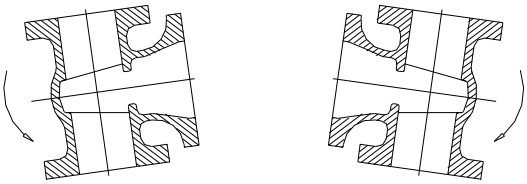
Working Principle

The indexing system of the pieces is based on hydraulic work of a rack that acts on a system of cogs transmitting this turn to the mechanized part. The division with this system allows a guaranteed precision of 10 seconds per degree in the turn.

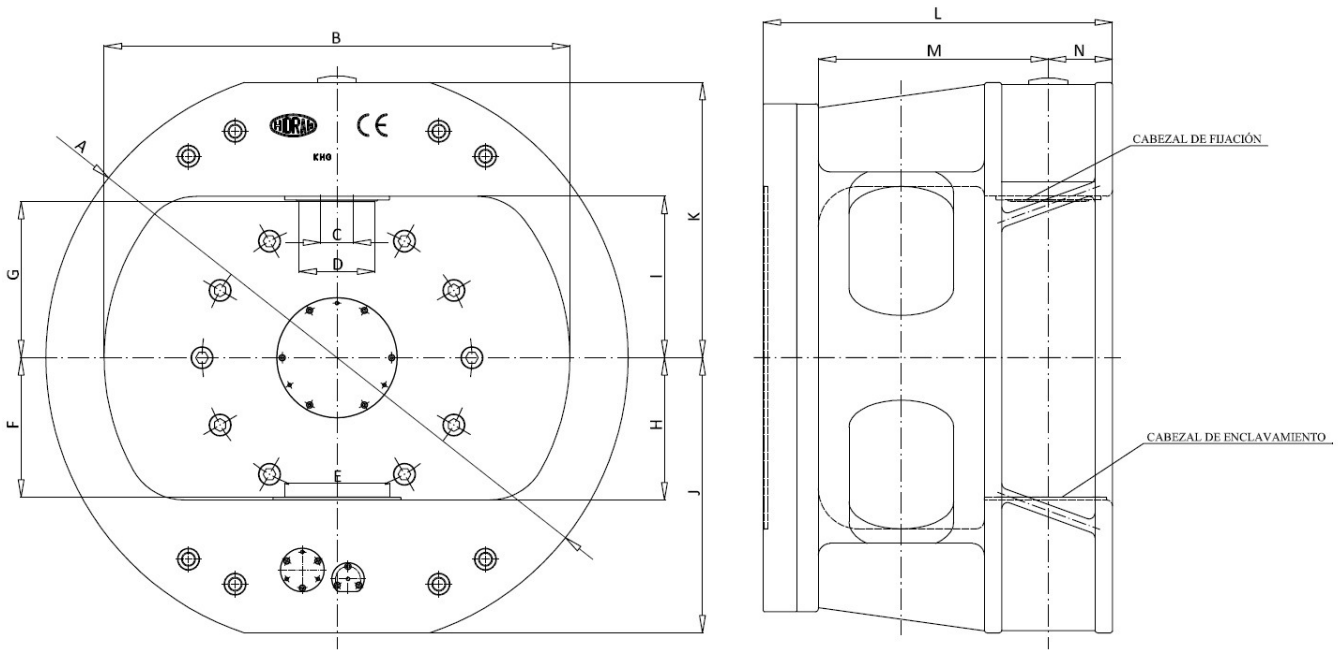
The cycle of divisions for the mechanization of the valve is as follows:



In case of require intermediate mechanization operations, we have the possibility of 5º division



Beware!!
When the chuck realizes any cycle of division, it must be stopped (r.p.m=0)



MODELO	KHG	600	660	750	1000	1200
REFERENCIA		015060	015066	015075	015100	015120
Diámetro exterior	A	600	660	750	1000	1200
	B	495	545	600	800	920
	C	--	--	45	56	--
	D	120	120	115	130	145
	E	145	105	170	180	210
	F	121	189	202	240	313
	G	144,5	198,5	236,5	269	348
	H	140	198	233	245	322
	I	160	212	247	278	354
	J	--	--	--	474	--
	K	--	--	--	474	--
	L	450	473	522	600	721
	M	250	388	308	395	480
	N	85	85	95	110	130
Peso	Kg	630	690	670	870	1730
Máx R.P.M (en vacío)	r.p.m	620	650	600	600	400
Presión Max. De Trabajo	Bar	50	50	50	50	50
Presión Max. De Apriete	Kg	6000	6000	8250	1050	12026,5
Sección Embolo Apriete	cm^2	120	120	165	201	240,5
Momento de inercia	Kgm^2	43,2	47,5	90	120	342,43