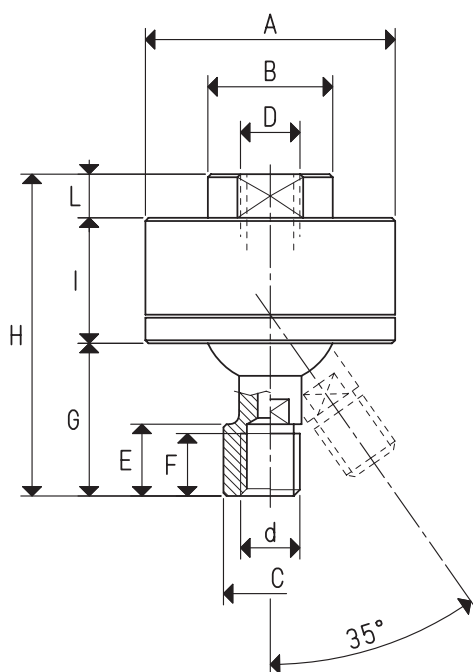


These articulated joints made with anodised aluminium allow rotating the cup they are installed on by 360° and tilt them up to 35°, in order to adapt it and lock it correctly into position, guaranteeing, at the same time, air flow through the joint and a perfect seal.



ARTICULATED JOINTS

Art.	A	B	C	D	d	E	F	G	H	I	L	Max load allowed Kg	Material	Weight g
	Ø	Ø	Ø	Ø	Ø									
GSV 1/8"	40	20	--	G1/8"	G1/8"	11.5	10	24.5	51.5	20	7	18.24	aluminium	77.6
GSV 1/4"	45	25	--	G1/4"	G1/4"	14.5	12	28.5	60.5	25	7	23.54	aluminium	126.7
GSV 3/8"	50	30	--	G3/8"	G3/8"	14.0	12	34.5	69.5	25	10	33.91	aluminium	171.2
GSVF 1/8"	40	20	15	G1/8"	G1/8"	11.5	10	24.5	51.5	20	7	18.24	aluminium	80.4
GSVF 1/4"	45	25	20	G1/4"	G1/4"	14.5	12	28.5	60.5	25	7	23.54	aluminium	129.2
GSVF 3/8"	50	30	21	G3/8"	G3/8"	17.0	12	34.5	69.5	25	10	33.91	aluminium	167.6

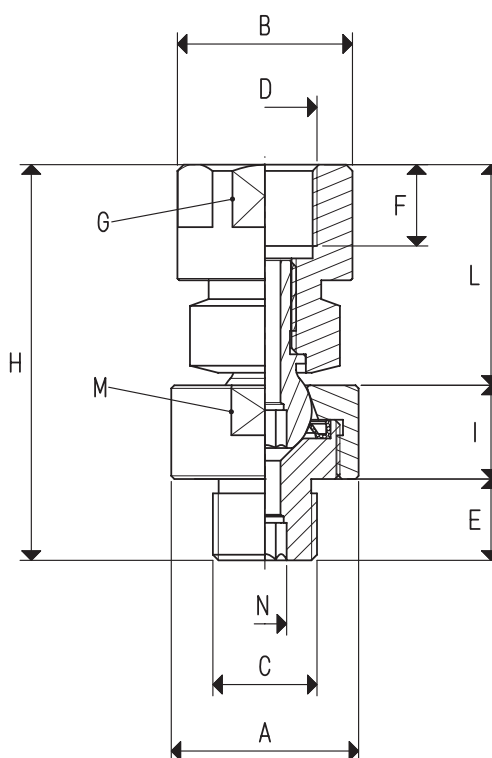
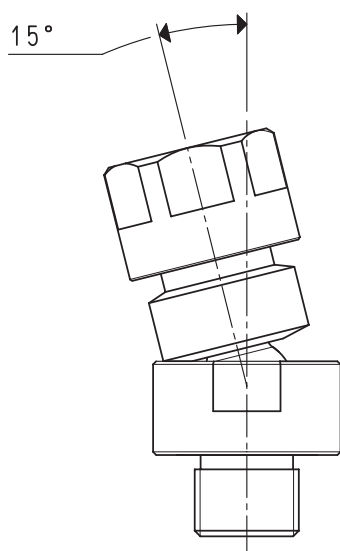
BALL JOINT COUPLINGS WITH GSL AXIAL VACUUM CONNECTION



This series of couplings was designed to be installed on suckers with support, especially those that are flat or that have little lip, in order to allow them to easily adapt to the gripping surface of the load to be picked up, even if not perfectly parallel to the plane of the sucker itself or to compensate for any perpendicularity errors that often occur between the sucker holder and the fixing support of the automated device.

The vacuum connection is axial and the hold is guaranteed by a special seal, always in contact with the ball joint. The sucker installed on them is free to rotate 360° degrees on its axis and to tilt up to 15°.

The joints are made entirely of brass, with the exception of the ball pivot, which is made of stainless steel. They can be fastened to the sucker using either the female or male threaded connection.



BALL JOINT COUPLINGS WITH GSL AXIAL VACUUM CONNECTION

Art.	A Ø	B Ø	C Ø	D Ø	E	F	G Hex.	H	I	L	M Ch.	N Hex.	Material	Weight g
GSL 1/8"	20	12	G1/8"	G1/8"	8.5	8	11	43.0	12	22.5	18	4	brass	40.0
GSL 1/4"	20	16	G1/4"	G1/4"	10	8	15	44.6	12	22.6	18	4	brass	56.0
GSL 3/8"	30	28	G3/8"	G3/8"	13	13	26	63.3	15	35.3	28	6	brass	206
GSL 1/2"	30	28	G1/2"	G1/2"	17	15	26	72.3	15	40.3	28	6	brass	232

Conversion ratio: inch = $\frac{\text{mm}}{25.4}$; pounds = $\frac{\text{g}}{453.6}$ = $\frac{\text{Kg}}{0.4536}$

GAS-NPT thread adapters available at page 1.117