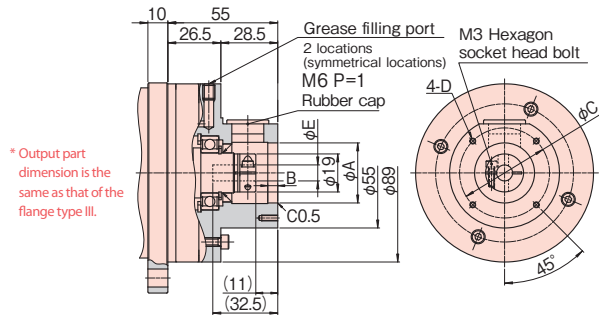


# CSF-20-xx-GH

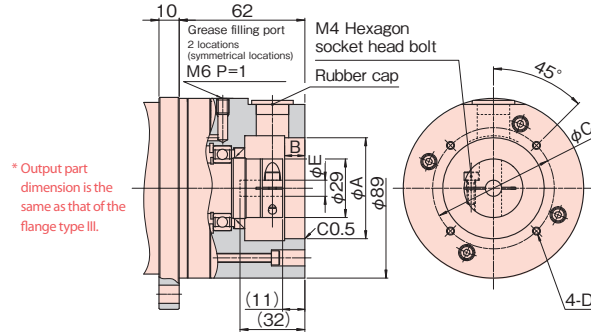
Figure 054-1  
(Unit: mm)

## Flange Type I



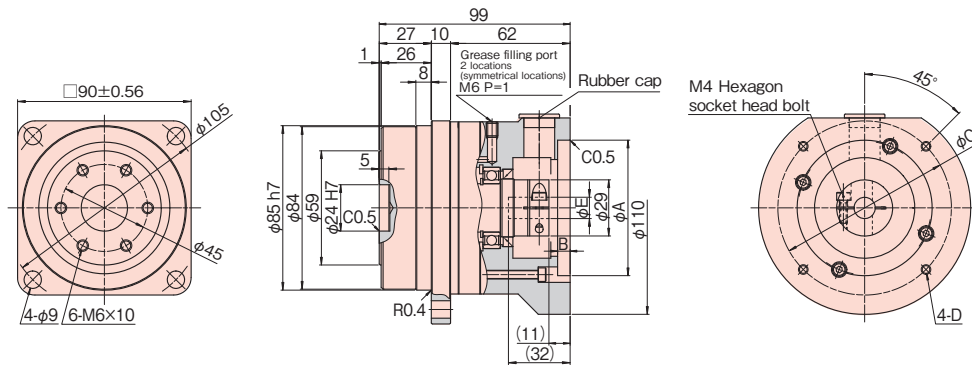
\* Output part dimension is the same as that of the flange type III.

## Flange Type II

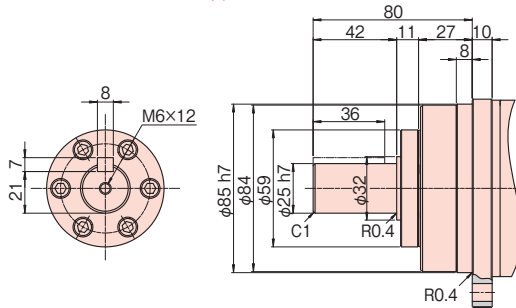


\* Output part dimension is the same as that of the flange type III.

## Flange Type III



Output shaft shape: J2 (Straight shaft, without key)  
J6 (Straight shaft, with key, with center tap)



## Measurement Table

(Unit: mm) Table 054-1

	Shape <sup>*1</sup> symbol	A (H7)	B	C	D	E (H7)		Mass (kg) <sup>*2</sup>	
						Min	Max	Shaft output	Flange output
Flange Type I	EA□	30	5	45	M3×8	7	8	2.3	1.9
	EB□			46	M4×10				
	EC□	34	6	48	M3×8				
Flange Type II	FA□	50	10	60	M4×10	8	14	2.6	2.2
	FB□			70	M5×12				
	FC□								
Flange Type III	GA□	70	6.5	90	M5×12	8	14	2.8	2.4
	GB□			M6×14					

Dimensions of only typical products are shown. Please contact us for dimensions of products not listed above. Check details of the dimensions and shape with the delivered specifications.

Contact us for information on special installation method.  
\*1: A symbol for input shaft coupling is supplied in "□" in shape symbols. See matching tables on pages 059 to 169.

\*2: The mass varies slightly depending on the reduction ratio and on the inside diameter of input shaft coupling.

Notice:  
All specifications and dimensions shown in the drawing are subject to change without notice. This drawing is the property of Harmonic Drive LLC. This data is believed to be accurate, however, Harmonic Drive LLC assumes no liability for any errors or omissions in the specifications, models or drawings.

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