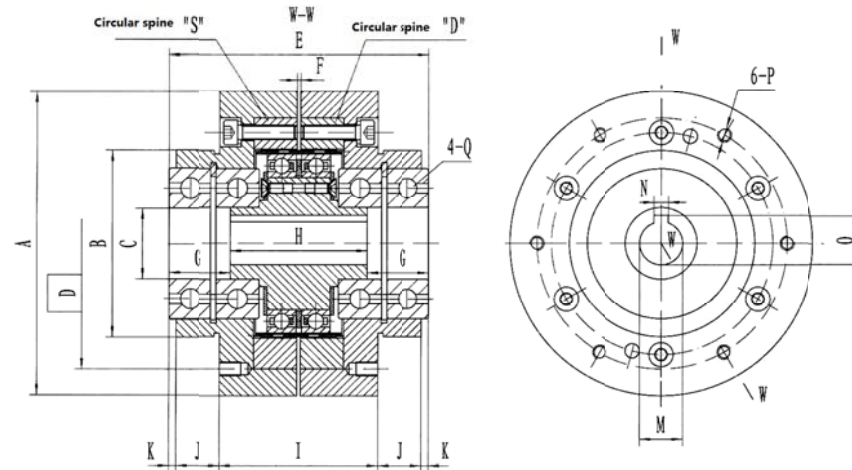


Model Parameters and drawing:

AHD-R Phase Adjuster Harmonic Drive Reducer



Zci: no. of teeth of input circular spine, $Z_{ci}=Z_t+2$; **Zf**: no. of teeth of flexspline; **Zco**: no. of teeth of output circular spline, $Z_{co}=Z_f$; **Nw**: rpm of wave generator;

Nci: rpm of input circular spine; **Nco**: rpm of output circular spline; **Nf**: rpm of flexspline, $N_f=N_{co}$

Notes: 1. $R=Z_f/2$ (reduction ratio, absolute value as in the table) 2. Values of N_w, N_{ci} , etc. themselves are with their respective signs (+ or -) to indicate sense of rotation Output

Torque: 30 N.m-2600 N.m; Highest input speed: 3000 rpm; Max backlash: 9';6';3'; Transmission error: 9';6';3'

Dimensions (mm)

Size	A (g6)	B (h7)	C	D	E	F	G	H	I	J	K	M (H7)	N (JS9)	O	P	Q	
50	Φ85	Φ52	20	Φ70	73	1	17.5	38	44	12.5	2	Φ12	4	13.8	M4	BRG6004	20x42x12
60	Φ95	Φ65	30	Φ80	81	1	20.5	40	45	16	2	Φ20	6	22.8	M5	BRG6006	30x55x13
80	Φ125	Φ85	40	Φ105	95	1	22.5	50	55	18	2	Φ30	8	33.3	M6	BRG6008	40x68x15
100	Φ145	Φ100	50	Φ125	113	1	22.5	68	65	20	4	Φ35	10	38.3	M8	BRG6010	50x80x16
120	Φ185	Φ125	60	Φ155	132	1	27	78	80	22	4	Φ40	12	43.3	M10	BRG6012	60x95x18
160	Φ235	Φ140	70	Φ195	147	1	30	87	117	12	3	Φ50	14	53.8	M12	BRG6014	70x110x20
200	Φ290	Φ180	90	Φ240	178	1	36	106	129	21.5	3	Φ65	18	69.4	M12	BRG6018	90x140x24
250	Φ360	Φ210	110	Φ290	212	1	41	130	155	25.5	3	Φ80	22	85.4	M14	BRG6022	110x170x28