

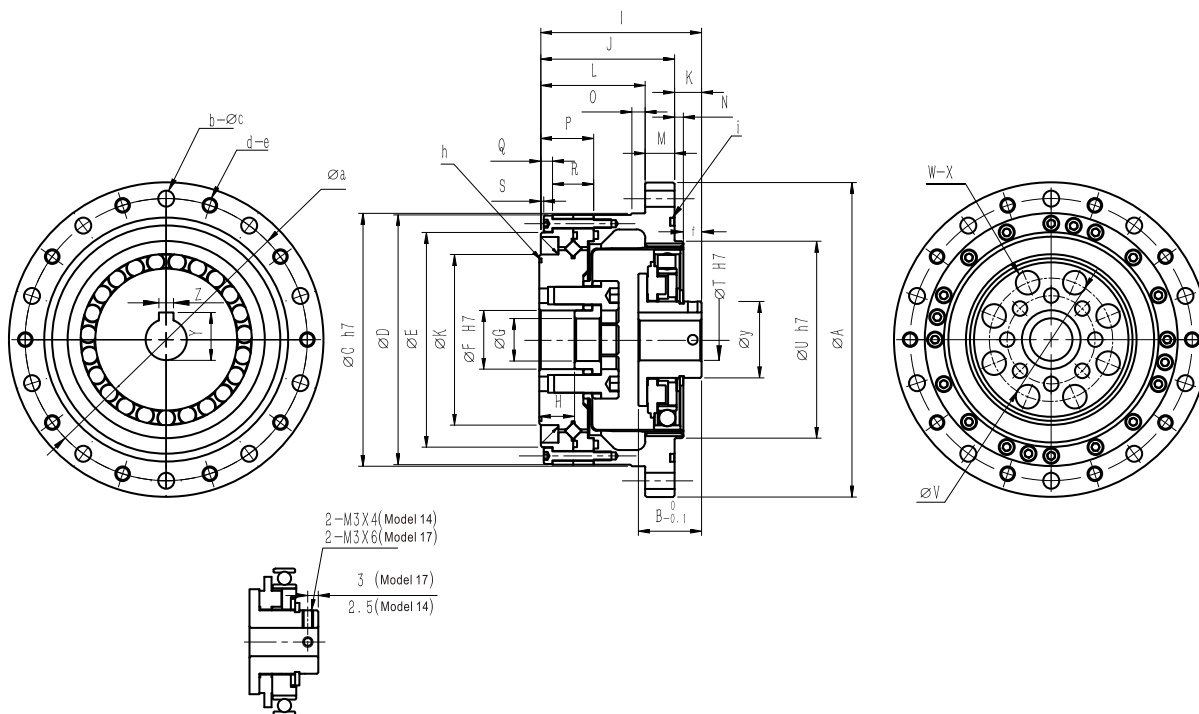
2.1 Cup combination product drawing



HMCS-II series harmonic reducer

HMCS-II series flexible gear belongs to cup-shaped standard structure and its input shaft connects with the inner hole of wave generator through Oldham coupling. Generally, the rigid gear is fixed and flexible gear does output.

2.2 Cup combination dimension drawing



Shape of model 14, 17 wave generator

2.3 Cup combination dimension table

unit : mm

symbol \ model	14	17	20	25	32
ØA	73	79	93	107	138
B ⁰ _{-0.1}	17.6	19.6	20.1	20.2	21.5
ØCh7	56	63	72	86	113
ØD	55	62	70	85	112
ØE	42.5	49.5	58	73	96
ØFH7	11	10	14	20	26
ØG	8	7	10	14.5	20
H	9.4	9.5	9	12	15
I	41 ⁰ _{-0.4}	45 ⁰ _{-0.4}	45.5 ⁰ _{-0.5}	52 ⁰ _{-0.6}	62 ⁰ _{-0.8}
J	34	37	38	46	57
K	7 ⁰ _{-0.8}	8 ⁰ _{-0.9}	7.5 ⁰ _{-1.0}	6 ⁰ _{-1.0}	5 ⁰ _{-1.1}
L	27	29	28	36	45
M	7	8	10	10	12
N	2	2	3	3	3
O	3.5	4	5	4.5	5
P	16.5	16.5	16.5	18.5	22.5
Q	4.5	4.5	4	4.5	5.5
R	12	12	12.5	14	17
S	0.5	0.5	0.5	0.5	1
ØTH7	6	8	11	14	14
ØUh7	38	48	56	67	90
ØV	23	27	32	42	55
W	6	6	8	8	8
X	M4X8	M5X10	M6X9	M8X12	M10X15
Y	-	-	12.8 ^{+0.1} ₀	16.3 ^{+0.1} ₀	16.3 ^{+0.1} ₀
ZJS9	-	-	4	5	5
Øa	65	71	82	96	125
b	6	6	6	8	12
c	4.5	4.5	5.5	5.5	6.6
d	6	6	6	8	12
e	M4	M4	M5	M5	M6
h	29.0 × 0.50	34.5 × 0.80	40.64 × 1.14	53.28 × 0.99	S71
i	S50	S56	S67	S80	S105
Øk	31	38	45	58	78
Øy	14	18	21	26	26
weight (kg)	0.52	0.68	0.98	1.50	3.20