



Strain Wave Gear KB-MC Series Box Unit Motor shaft closed flexspline



Advantages

- High positioning and rotational accuracy
- High repeatability accuracy
- High torque
- Super compact design
- Backlash free
- Long service life
- High torsional stiffness
- High efficiency
- Simple installation
- Flexible for application design

Main Applications

- Robots
- High Precision Tooling Machine
- High Precision Testing Equipment
- Medical Equipment
- Optical Equipment
- Analytical and Testing Equipment
- Semiconductor Manufacturing Systems
- Packing Machines

Ordering Code

Gear Series	Transmission Type	Gear Size	Ratios				Special Design	
KB	MC	14	50	80	100		as per customers' special requirements	
		17	50	80	100	120		
		20	50	80	100	120		160
		25	50	80	100	120		160
		32	50	80	100	120		160
		40	50	80	100	120		160
		45	50	80	100	120		160
		50		80	100	120	160	
Ordering Code								
KB-MC		-	25	-	100	-	SP	

Technical Specifications

Series	Size	Ratio	Max Output Torque	Average Output Torque	Rated Output Torque at rated speed 2000 rpm	Emergency Stop Torque	Max Input Speed	Average Input Speed	Moment of Inertia	Weight
			Nm	Nm	Nm	Nm	rpm	rpm	kgm ²	kg
KB-HO	14	50	18	6,9	5,4	35	8500	3500	0,33x10 ⁻⁵	0,49
		80	23	11	7,8	47				
		100	28	11	7,8	54				
	17	50	34	26	16	70	7300	3500	0,79x10 ⁻⁵	0,62
		80	43	27	22	87				
		100	54	39	24	108				
	20	50	56	34	25	98	6500	3500	0,193x10 ⁻⁴	0,89
		80	74	47	34	127				
		100	82	49	40	147				
		120	87	49	40	147				
	25	50	98	55	39	186	5600	3500	0,413x10 ⁻⁴	1,39
		80	137	87	63	255				
100		157	108	67	284					
32	50	176	108	67	314	4800	3500	1,69x10 ⁻⁴	3,02	
	80	216	108	76	382					
	100	304	167	118	568					
	120	333	216	137	647					
40	50	353	216	137	686	4000	3000	4,5x10 ⁻⁴	4,95	
	80	372	216	137	686					
	100	402	196	137	686					
45	50	519	284	206	980	4500	2500	13,8x10 ⁻⁴	10,1	
	80	568	372	265	1080					
	100	617	451	294	1180					
	120	647	451	294	1180					
50	50	502	265	176	950	4500	2500	57,2x10 ⁻⁴	14,5	
	80	706	395	315	1280					
	100	760	505	355	1580					
	120	822	622	405	1880					
50	50	883	633	405	1890	4500	2500	57,2x10 ⁻⁴	14,5	
	80	941	521	372	1860					
	100	982	656	471	2050					
50	100	1090	815	533	2055	4500	2500	57,2x10 ⁻⁴	14,5	
	120	1190	843	534	2250					



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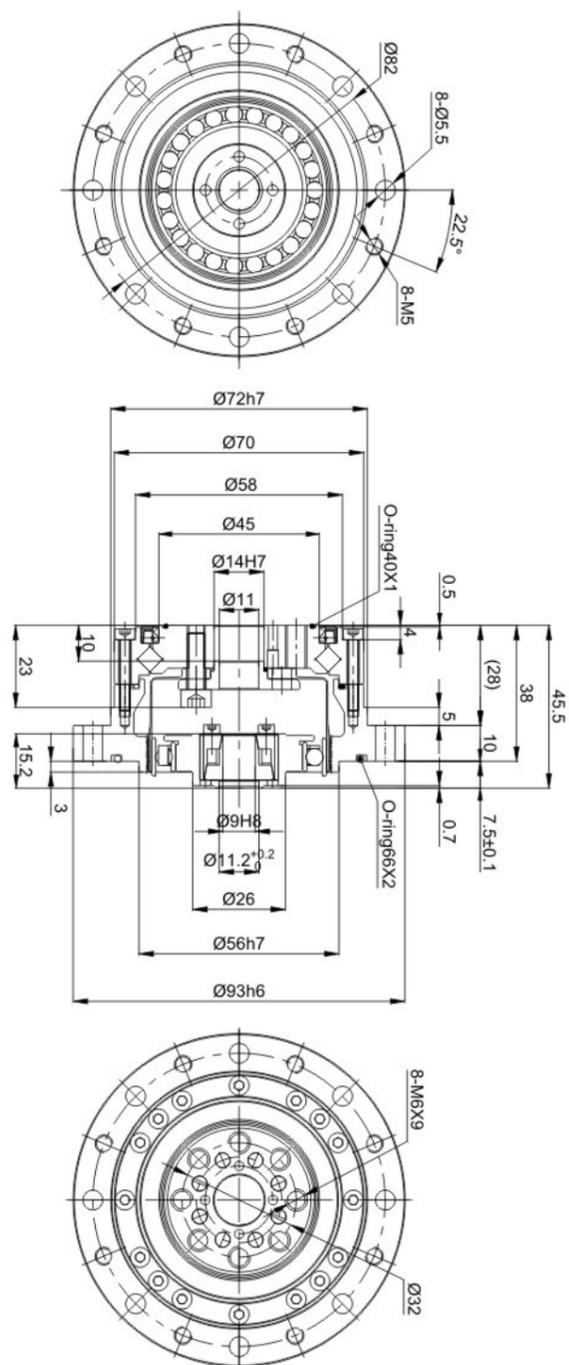
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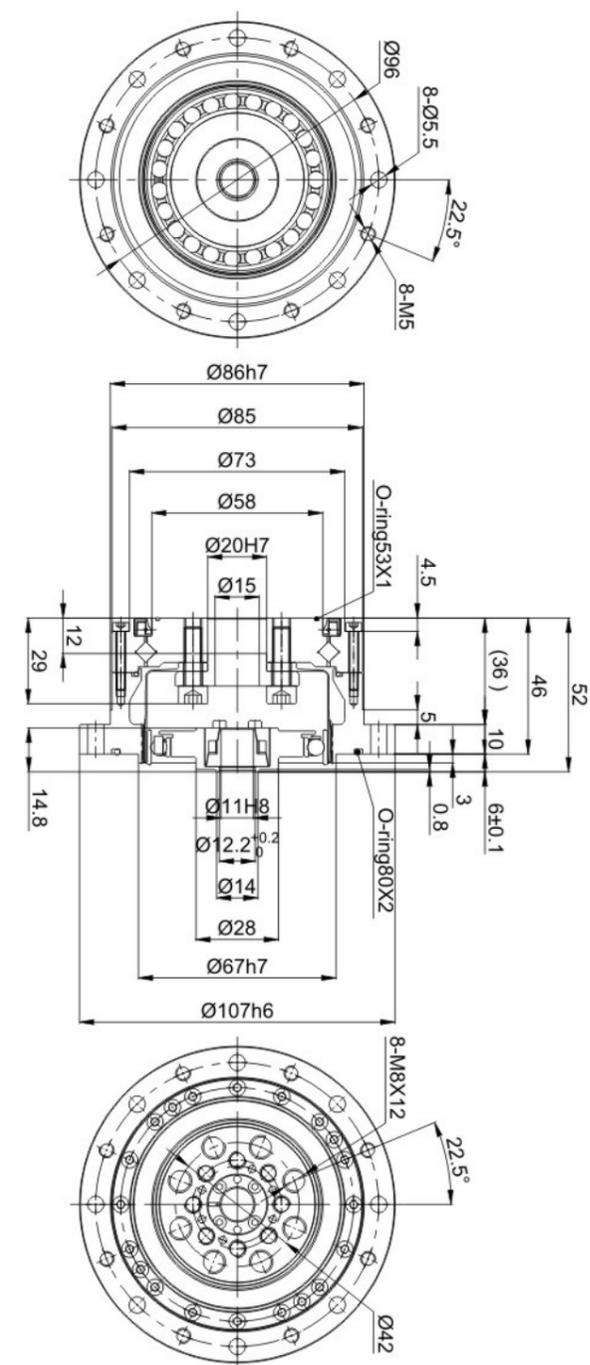


Gear Dimensions

Box Unit KB-MC-20



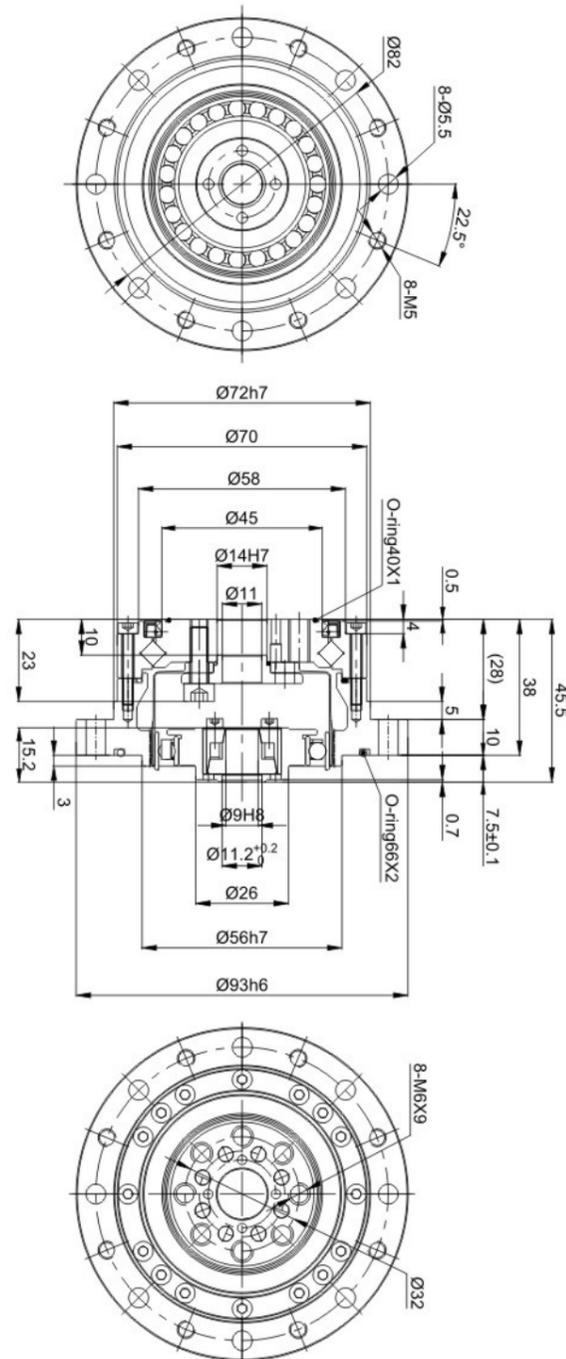
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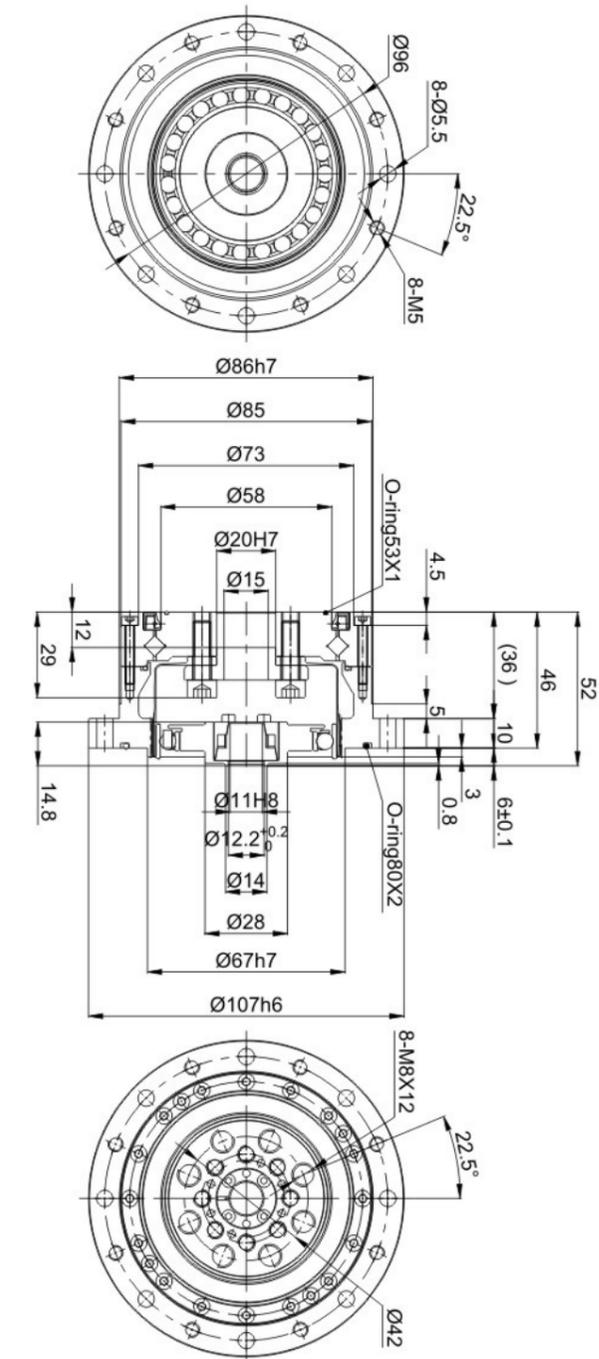


Gear Dimensions

Box Unit KB-MC-20



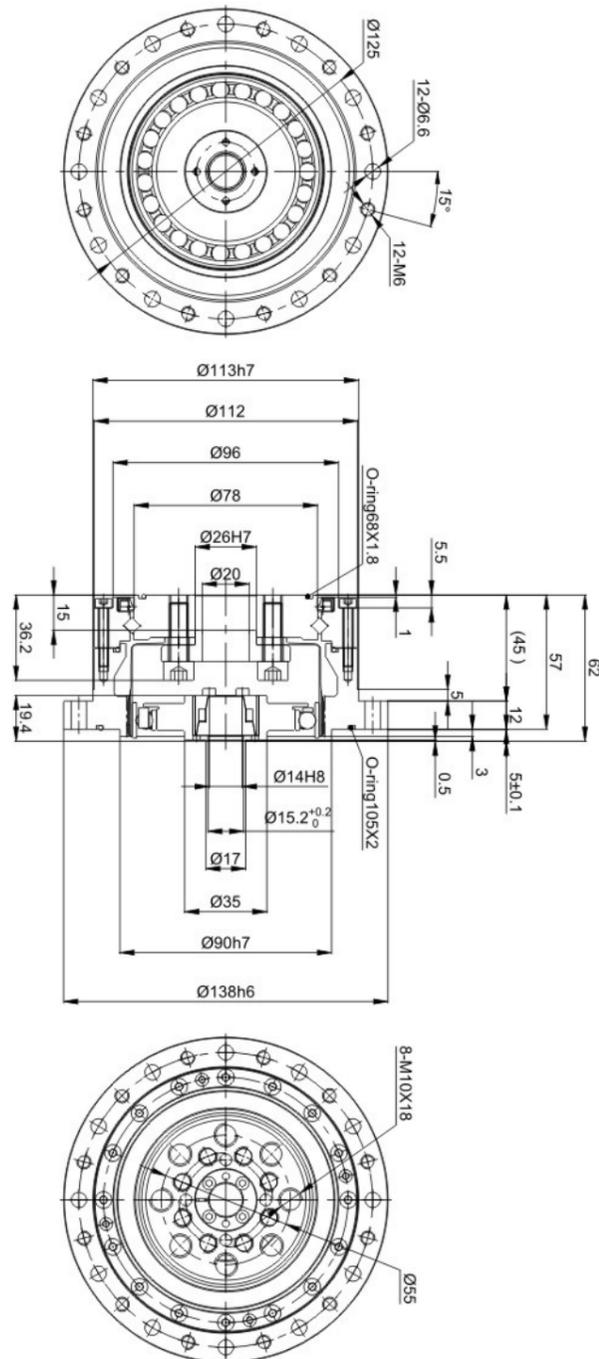
Box Unit KB-MC-25



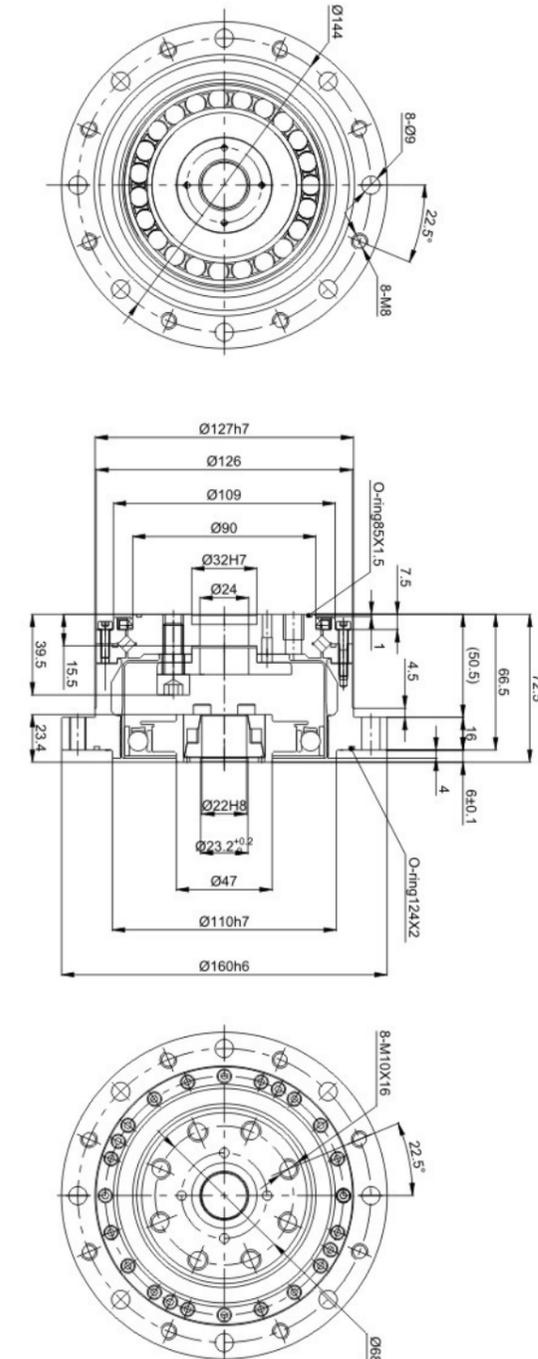


Gear Dimensions

Box Unit KB-MC-32



Box Unit KB-MC-40



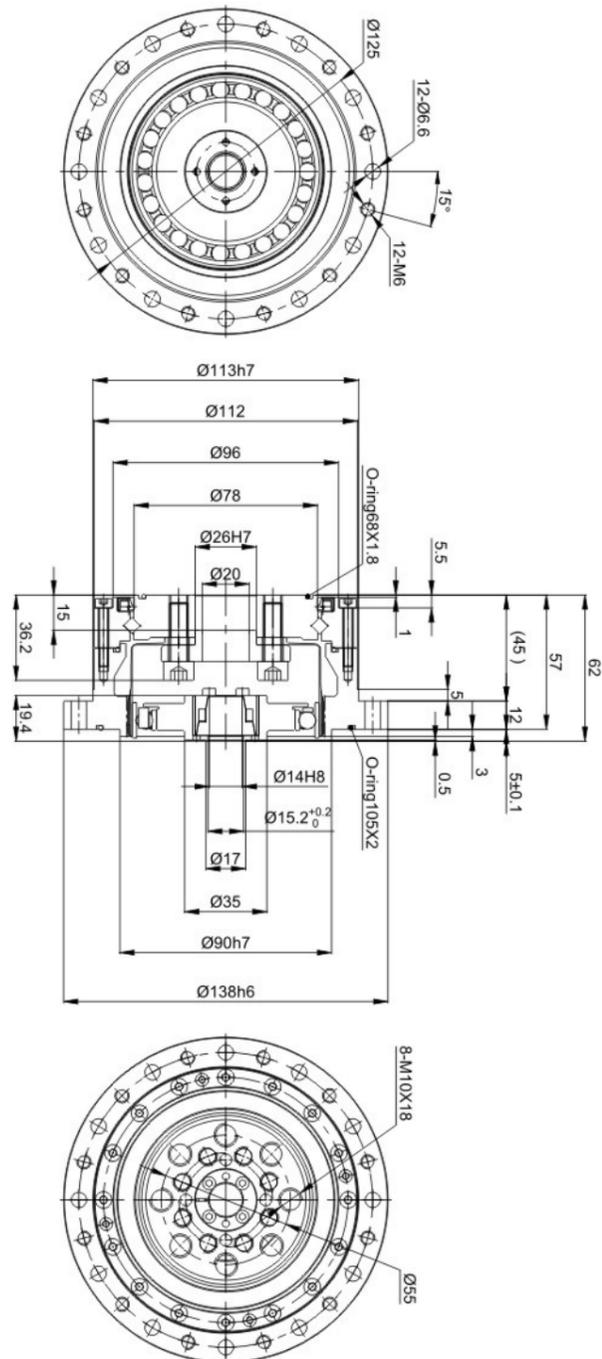
Strain Wave Gear KB-MC Series Box Unit
Motor shaft closed flexspline

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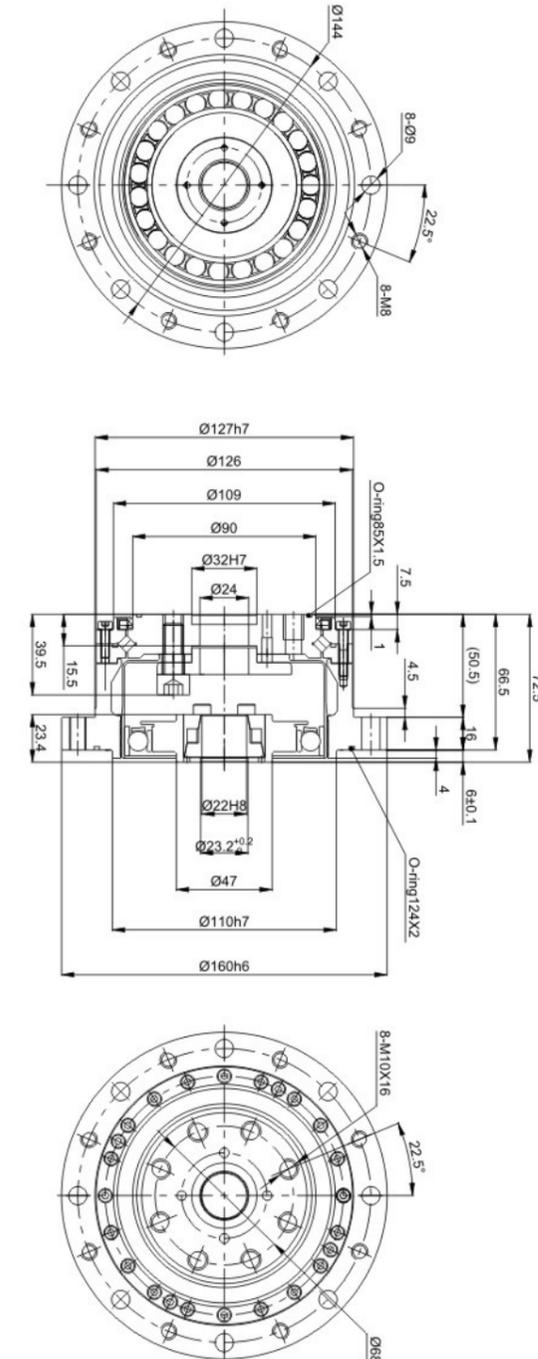


Gear Dimensions

Box Unit KB-MC-32



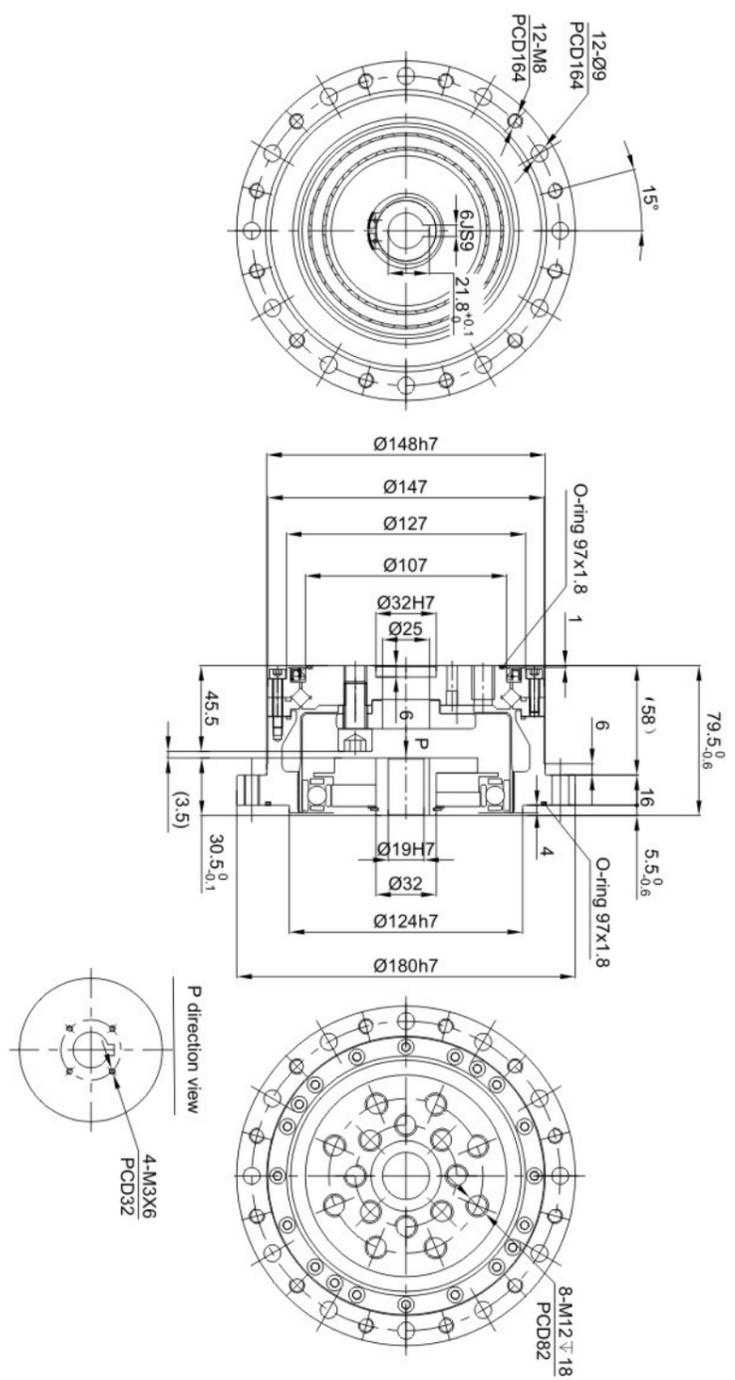
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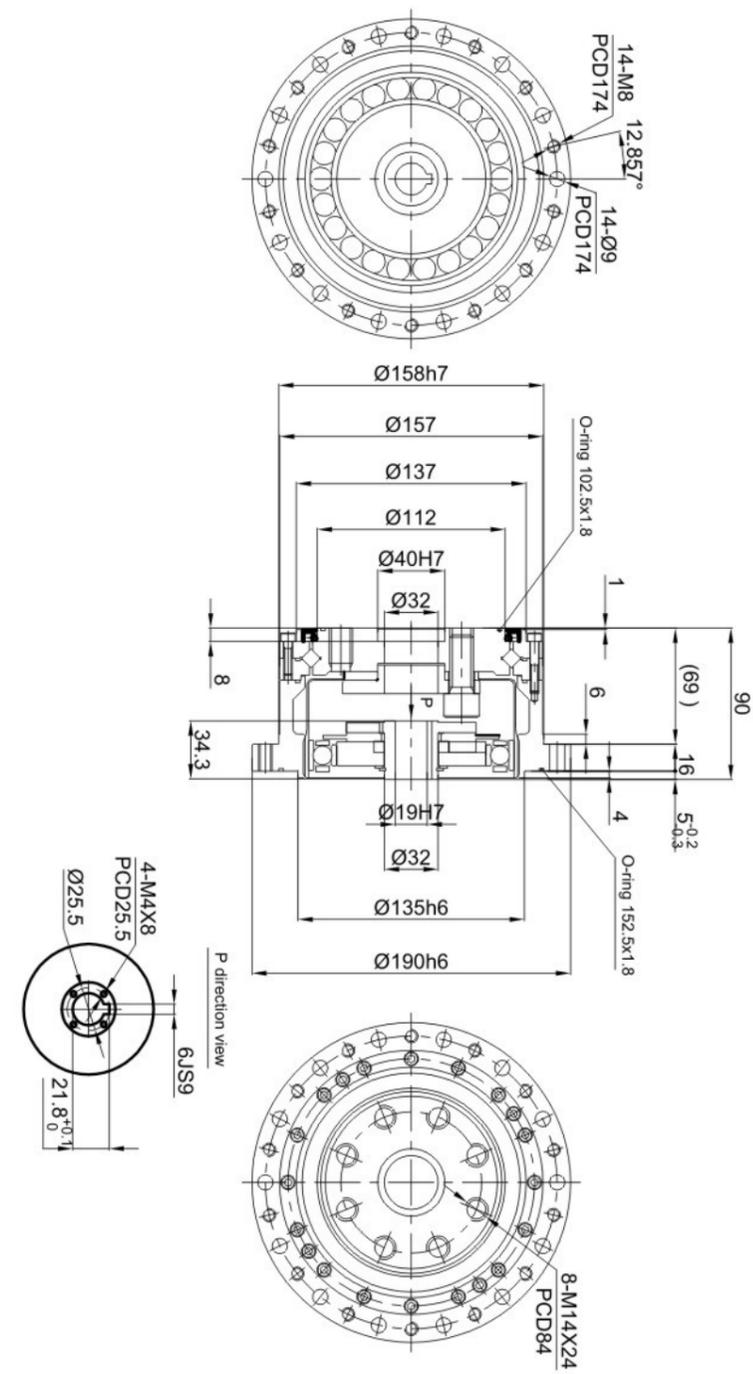


Gear Dimensions

Box Unit KB-MC-45



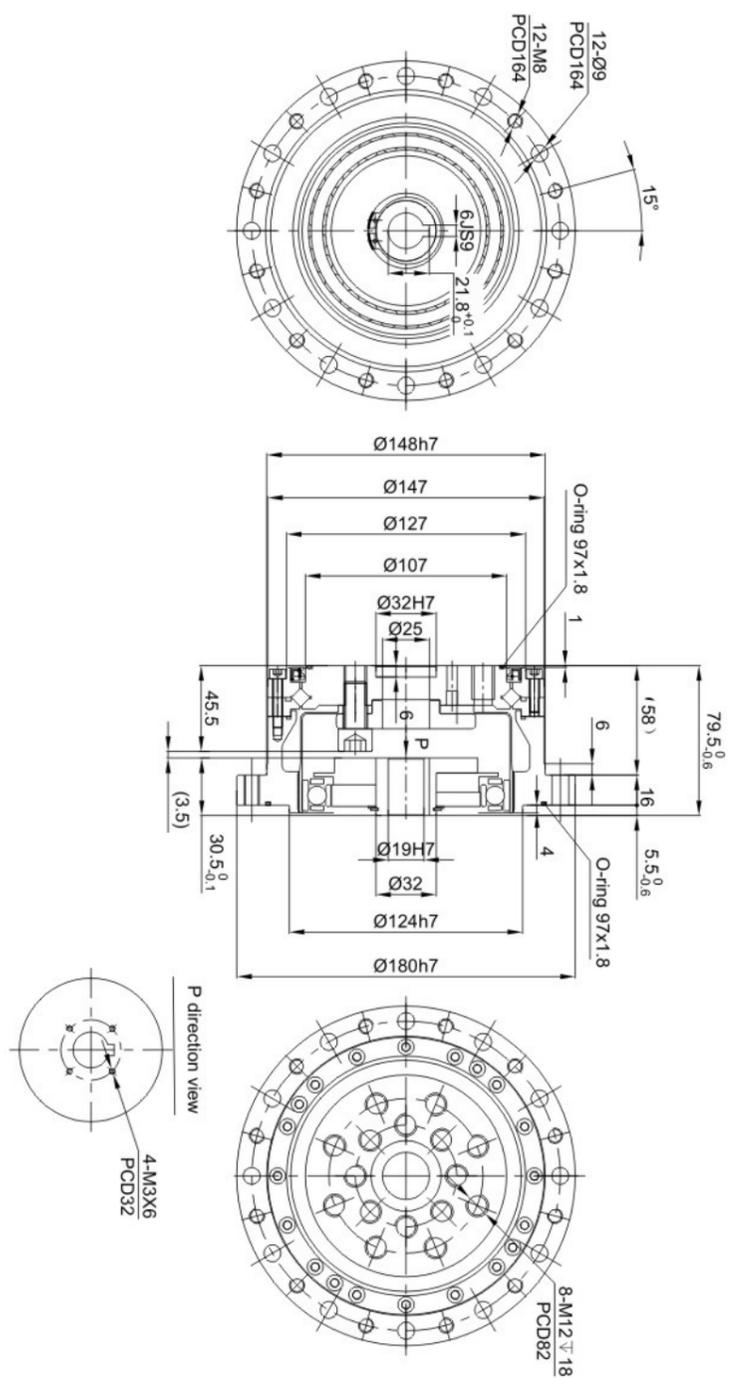
Box Unit KB-MC-50





Gear Dimensions

Box Unit KB-MC-45



Box Unit KB-MC-50

