



## Strain Wave Gear KBG-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	
KBG	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
Ordering Code								
KBG-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 <sup>2</sup>	kg
KBG-MC	14	50	23	9	7	46	8500	3500	0.27x10 <sup>-4</sup>	0.49
		80	30	14	10	58				
		100	36	14	10	58				
	17	50	44	34	21	91	7300	3500	0.66x10 <sup>-4</sup>	0.62
		80	56	35	29	109				
		100	70	51	31	109				
	20	120	70	51	31	109	6500	3500	0.16x10 <sup>-4</sup>	0.89
		50	73	44	33	127				
		80	96	61	44	165				
		100	107	64	52	191				
		120	113	64	52	191				
	25	160	120	64	52	191	5600	3500	0.36x10 <sup>-4</sup>	1.39
		50	127	72	51	242				
		80	178	113	82	332				
	32	100	204	140	87	369	4800	3500	1.35x10 <sup>-4</sup>	3.02
		120	217	140	87	395				
		160	229	140	87	408				
		50	281	140	99	497				
		80	395	217	153	738				
	40	100	433	281	178	841	4000	3000	4.5x10 <sup>-4</sup>	4.95
		120	459	281	178	842				
		160	484	281	178	842				
		50	523	255	178	892				
	45	80	675	369	268	1270	4500	2500	13.8x10 <sup>-4</sup>	10.1
100		738	484	345	1400					
120		802	586	382	1510					
160		841	586	382	1510					
50		650	346	229	1235					
50	80	920	511	410	1652	4500	2500	57.2x10 <sup>-4</sup>	14.5	
	100	980	650	462	2040					
	120	1060	811	520	2255					
	160	1150	811	521	2256					
50	80	1220	675	485	2420	4500	2500	57.2x10 <sup>-4</sup>	14.5	
	100	1301	870	611	2788					
	120	1410	1041	691	2678					
		160	1542	1101	692	3120				



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		45	50	80	100	120		160
Ordering Code			80	100	120	160		
KBG-MC		-	25	-	100	-	SP	

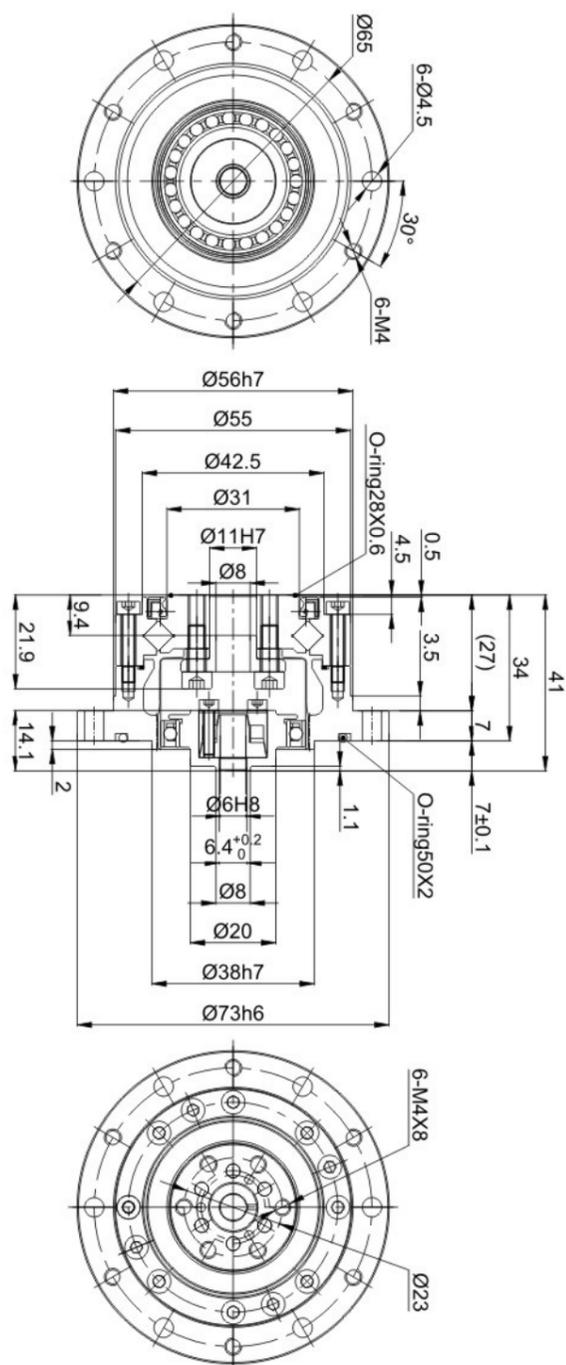
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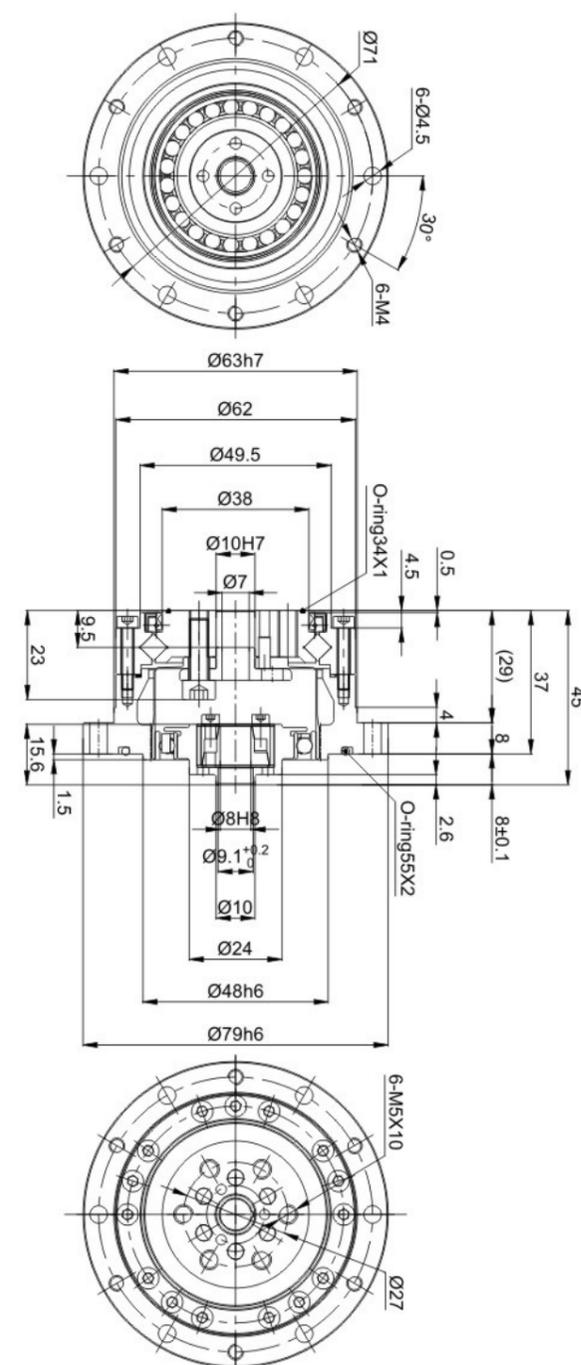


### Gear Dimensions

#### Box Unit KBG-MC-14



#### Box Unit KBG-MC-17

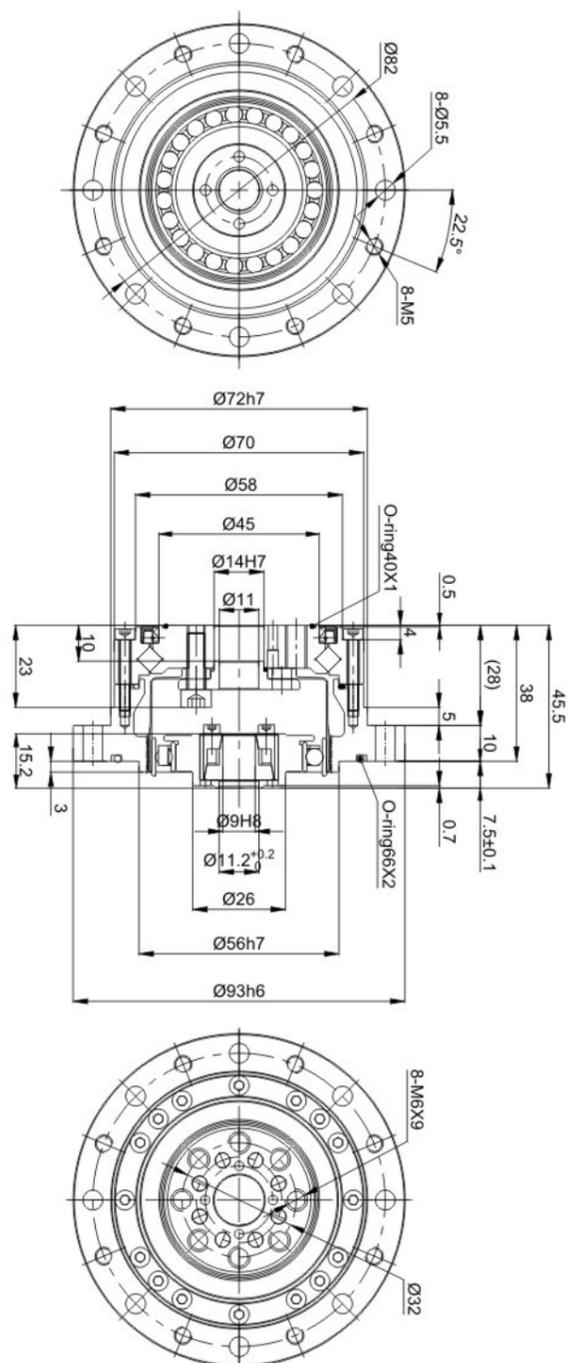




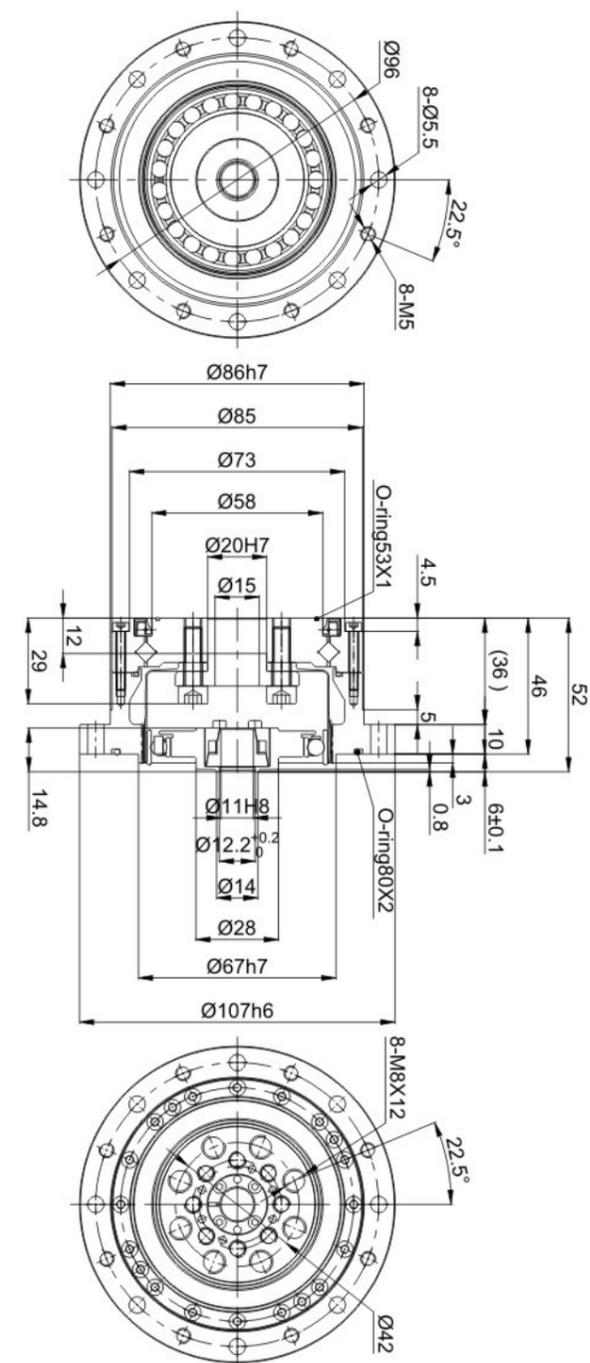


### Gear Dimensions

#### Box Unit KBG-MC-20



#### Box Unit KBG-MC-25

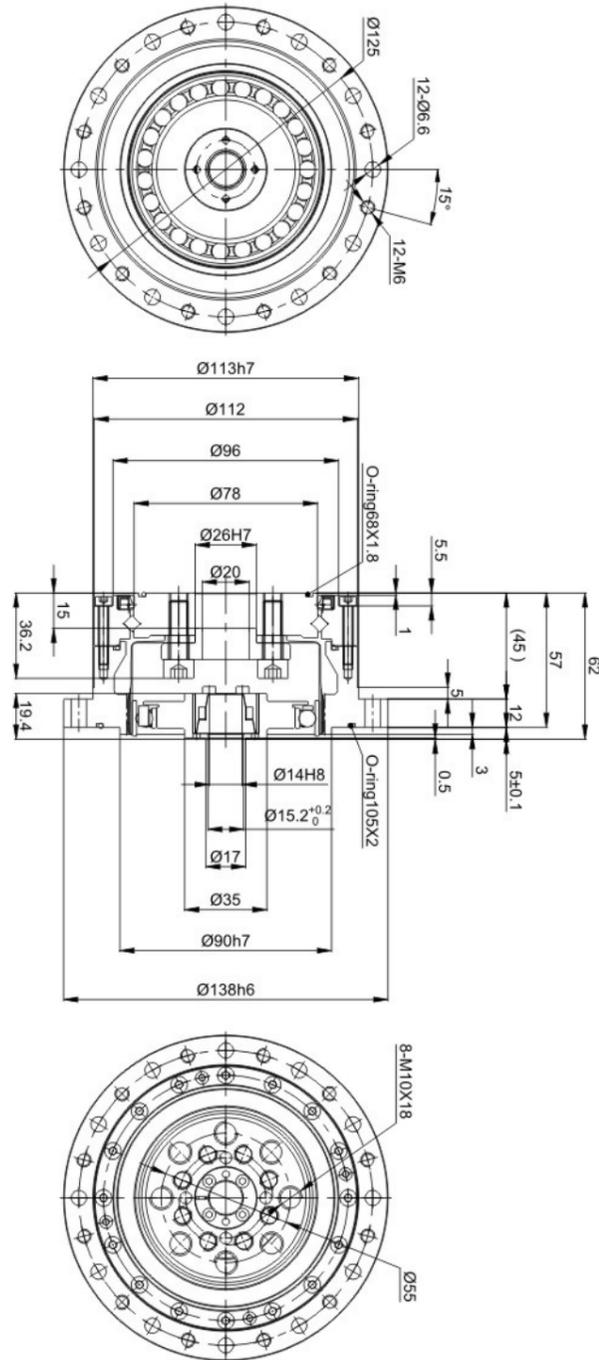




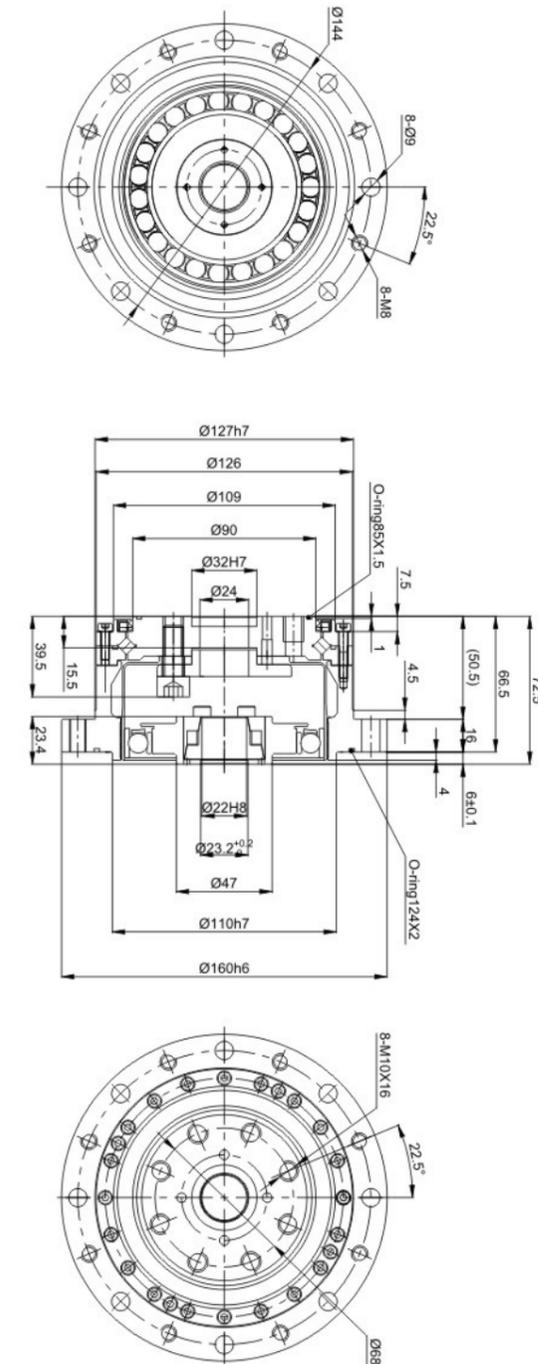


### Gear Dimensions

#### Box Unit KBG-MC-32



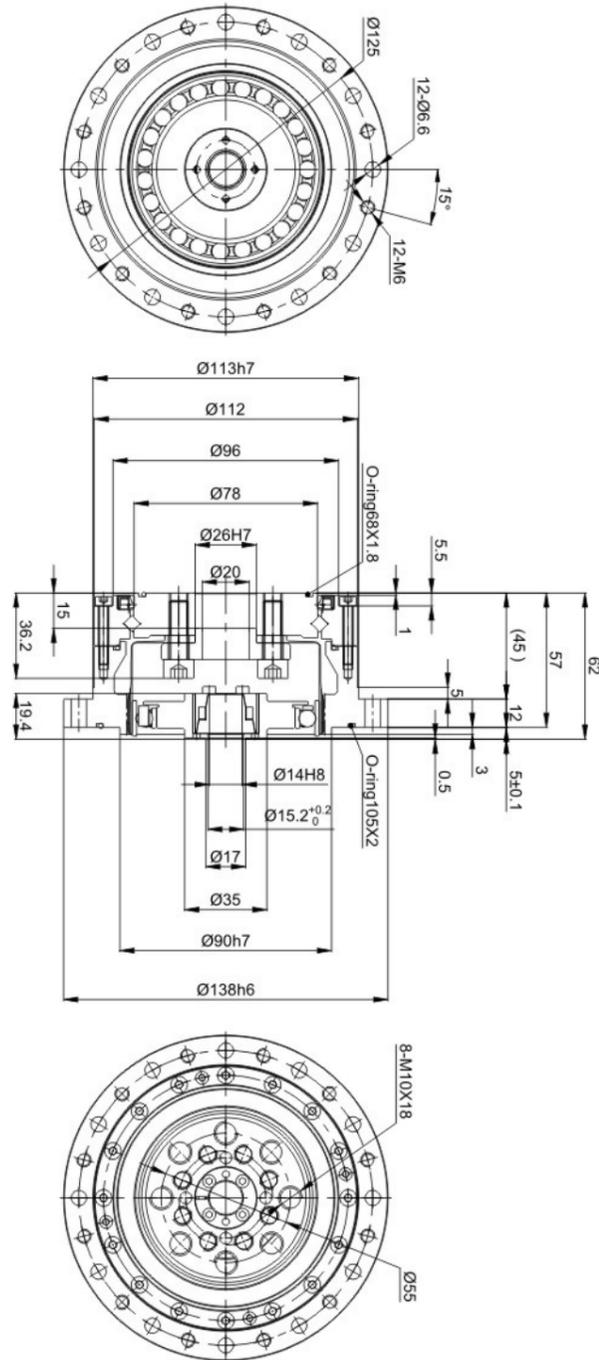
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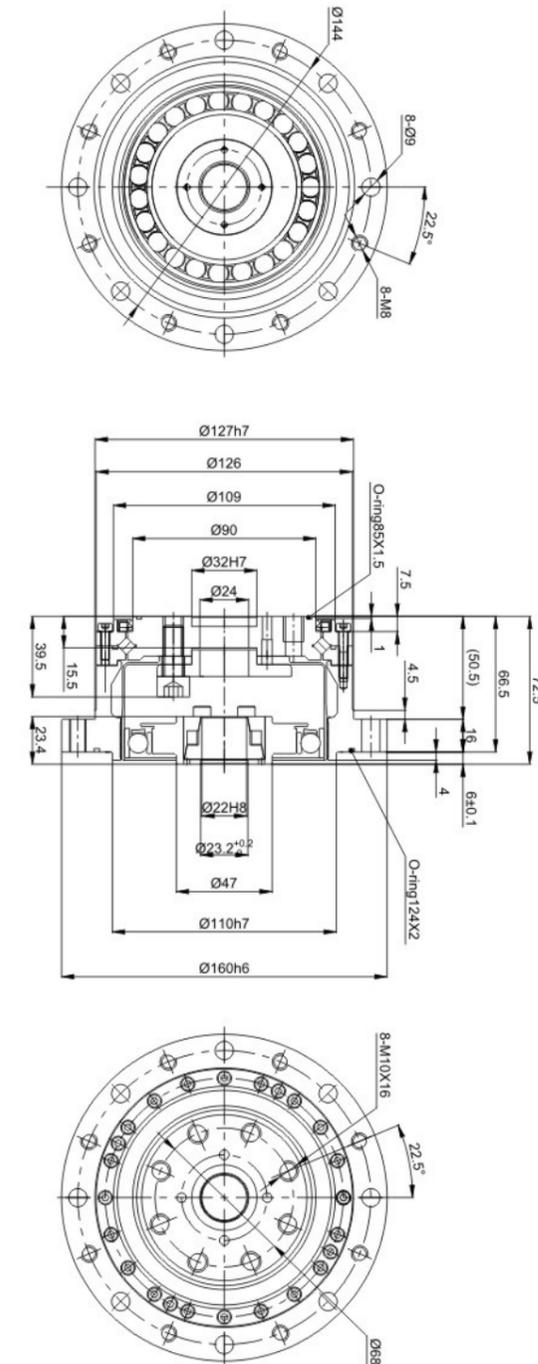


### Gear Dimensions

#### Box Unit KBG-MC-32



#### Box Unit KBG-MC-40



Strain Wave Gear KBG-MC Series Simplicity Box  
Motor shaft closed flexspline

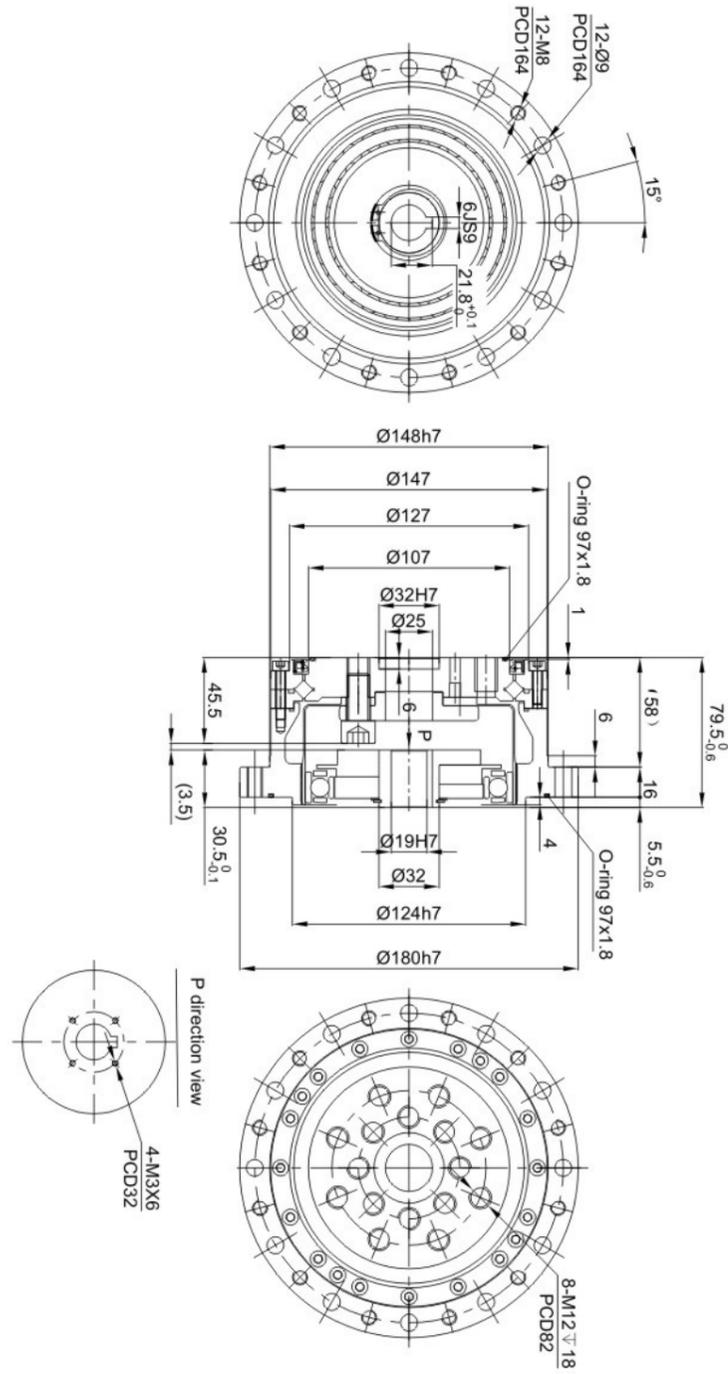
Strain Wave Gear KBG-MC Series Simplicity Box  
Motor shaft closed flexspline





### Gear Dimensions

#### Box Unit KBG-MC-45



#### Box Unit KBG-MC-50

