

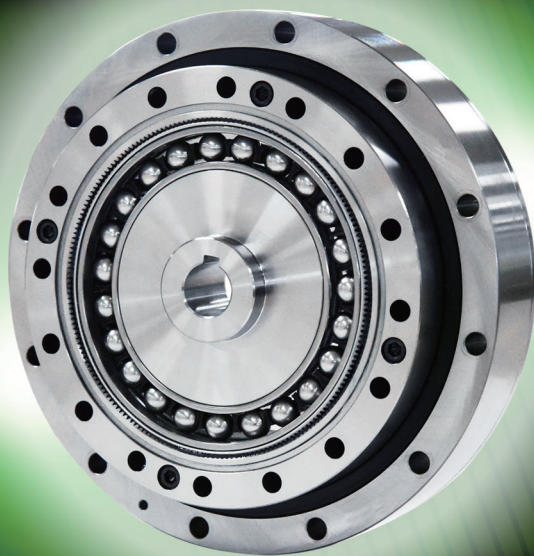
FLEXWAVE

WP Series

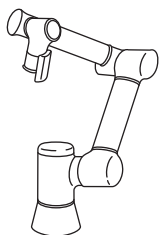
New Large Size 100

Continual Progress
Expanding Lineup

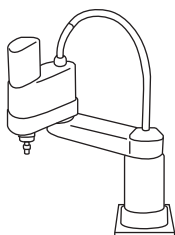
FLEXWAVE's large-scale, powerful,
and high precision reducer for your
most demanding applications



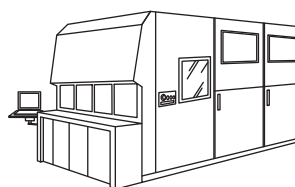
Applications



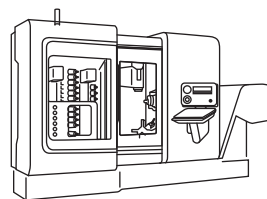
Articulated robot



Scara robot



Semiconductor manufacturing
equipment



Machine tools

Model Nomenclature

WP	S	100	50	SR	—	**
Series name	Type	Size	Ratio	Code		Specifications
WP Series	S:Simple unit Type	35	50	SR	Simple unit Type	Input shaft diameter , etc.
		42	80			
	U:Unit type(Input shaft)	50	100			
	Unit type(Hollow shaft)	63	120			
		80	160	SRJ	Unit type(Input shaft)	
		100				
				SRH	Unit type(Hollow shaft)	

Specifications

		* 1	* 2	* 3	* 4	* 5	* 6
Size	Ratio R	Nominal output torque	Maximum output torque	Emergency stop torque	Nominal input speed	Maximum input speed	Life
		[Nm]	[Nm]	[Nm]	[rpm]	[rpm]	[hr]
35	50	7	23	46	3,000	8,500	10,000
	80	10	30	61			
	100	10	36	70			
42	50	21	44	91	3,000	7,300	
	80	29	56	113			
	100	31	70	143			
	120	31	70	112			
50	50	33	73	127	3,000	6,500	
	80	44	96	165			
	100	52	107	191			
	120	52	113	191			
	160	52	120	191			
63	50	51	127	242	3,000	5,600	
	80	82	178	332			
	100	87	204	369			
	120	87	217	395			
	160	87	229	408			
80	50	99	281	497	3,000	4,800	
	80	153	395	738			
	100	178	433	841			
	120	178	459	892			
	160	178	484	892			
NEW! 100	50	178	523	892	3,000	4,000	
	80	268	675	1,270			
	100	345	738	1,400			
	120	382	802	1,530			
	160	382	841	1,530			

*1 The maximum allowable value at the input rotation speed of 2000r/min

*2 The maximum torque when starting and stopping.

*3 The maximum torque when it receives shock.

*4 The maximum average input speed.

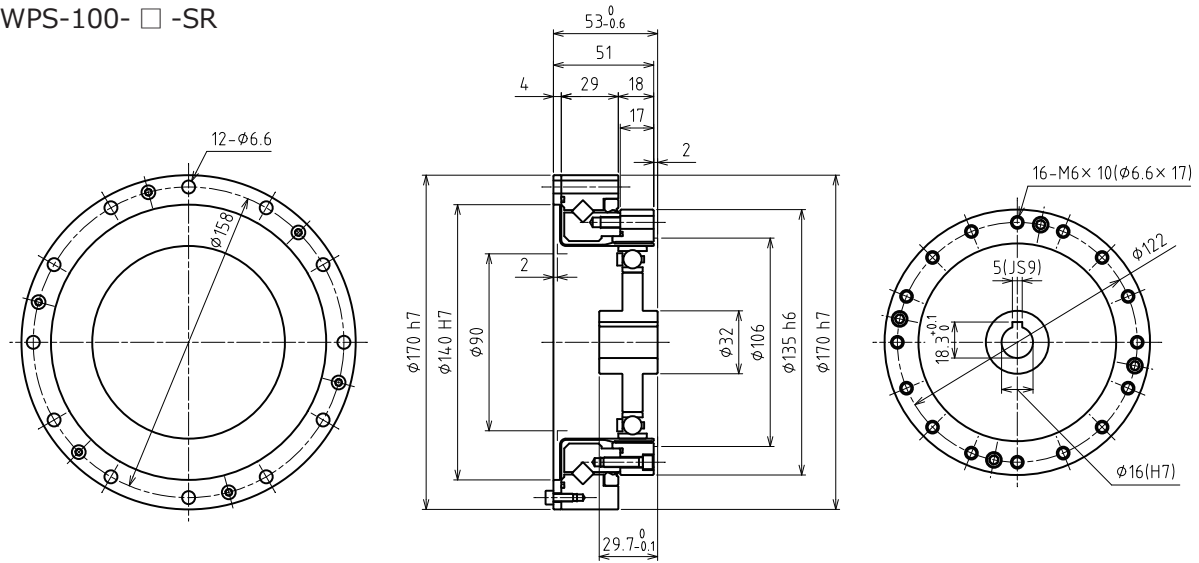
*5 The maximum input speed.

*6 The life time at the input rotation speed of 2000 r/min and nominal output torque.

Dimensions

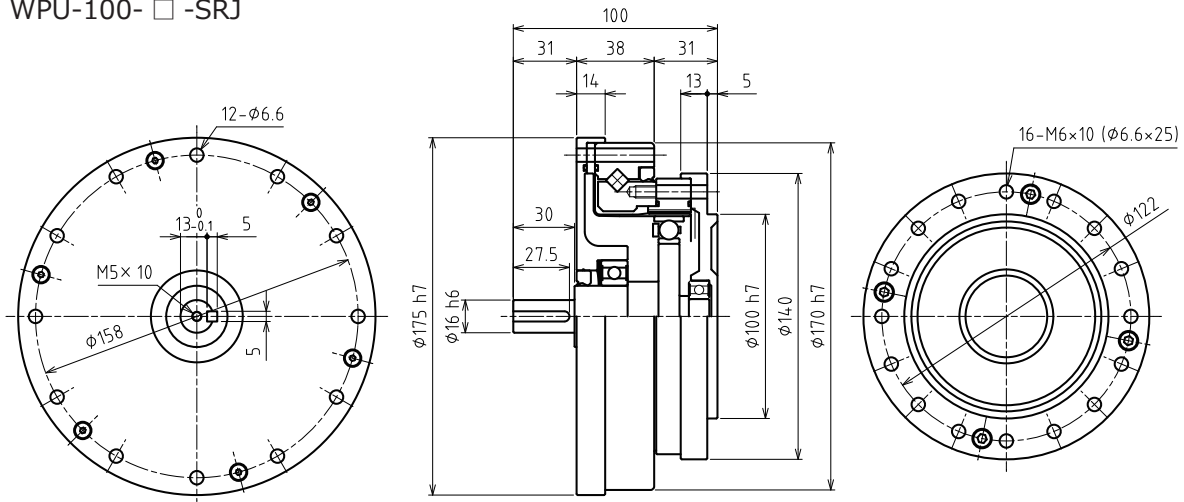
Simple unit Type

WPS-100- □ -SR



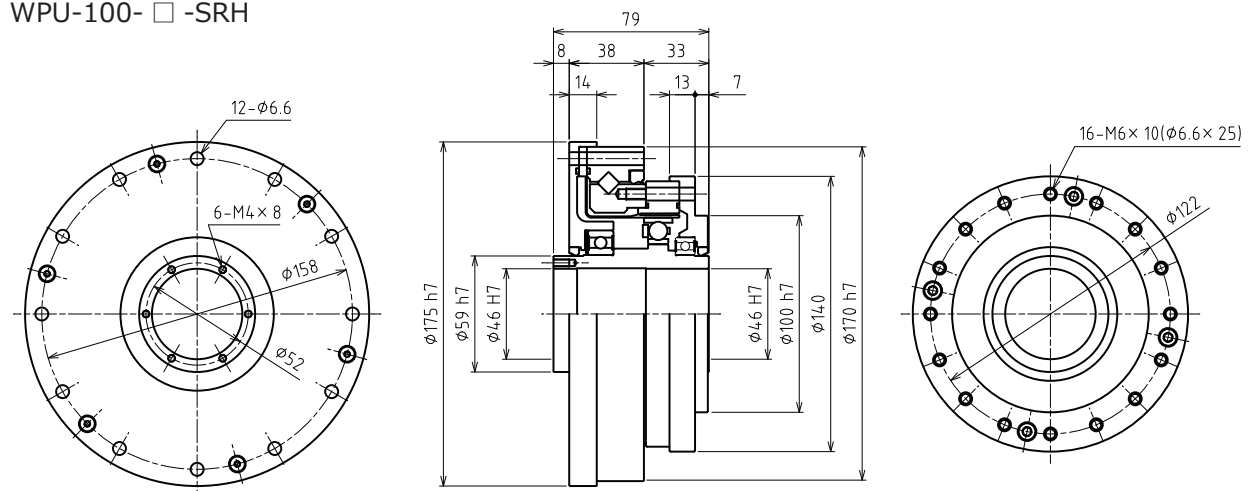
Unit Type (Input shaft)

WPU-100- □ -SRJ



Unit Type (Hollow shaft)

WPU-100- □ -SRH



Precautions

If you use the gear with continuous operation in one direction or small oscillation angle, please contact us as it may cause lubrication problems.

High-Precision Reducers

Ideal for robots that require high-precision. Lineup from small to large sizes.

FLEXWAVE WP Series

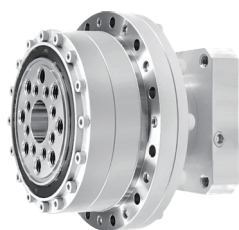
Lightweight and compact, high reduction ratio, low backlash

For applications that require high-precision and control! Used in a variety of applications including robots and semiconductor manufacturing equipment.



**Gearhead type
Easy to handle**

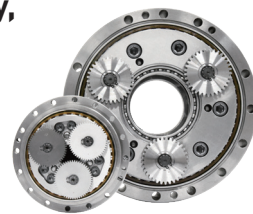
Easy motor installation!
Ideal for machine tools, semiconductor manufacturing equipment, robot hands, etc.



KINEX

High accuracy, high rigidity, low noise

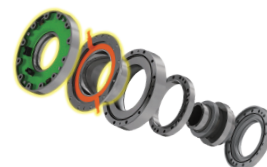
A smooth and quiet large size highly precise reducer that supports "excellent movement" in a variety of applications such as robots and machine tools.



Smart-FLEXWAVE Built-in Multi Sensor

World's first gear reducer with integrated multi-sensor

By utilizing the existing area, our product achieves excellent space-saving, lightweight, and low-cost benefits.



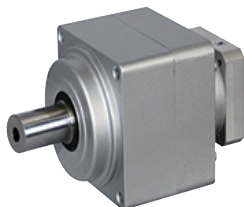
ABLE reducers

High-precision reducers. Various series to meet customer needs.

VRXF series

Best selling standard model

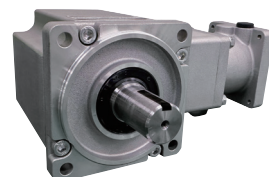
Increased torque and efficiency with new gear design



NEV series

Light weight / compact

Solid and hollow types are available



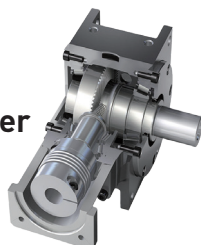
GRAESSNER

Ultra-thin design ideal for space saving

DYNA GEARseries

High-precision hypoid reducer

We also have many other series available.



Servo Reducer Selection Tool

For detailed specifications and external dimension drawings, please check the "Gearbox Selection Tool" on our website.



NIDEC DRIVE TECHNOLOGY CORPORATION

〈Web Page Information〉 Please scan the QR code or access the URL below.



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