



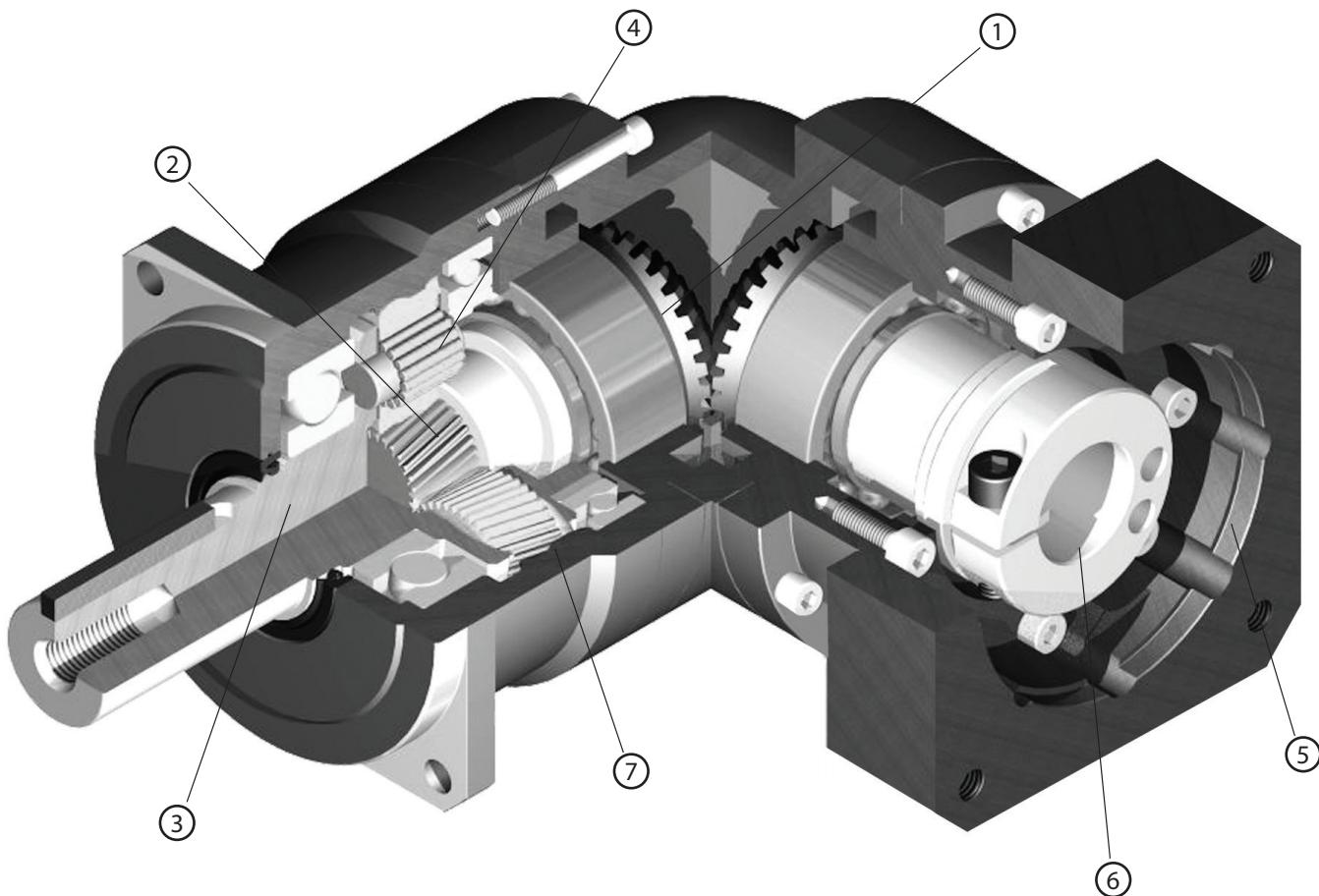
EVB

EVB SERIES

- Compact, space-saving solution for mid to high end motion control applications
- The widest range of frame sizes and ratios available in the market
- Best-In-class backlash (≤ 4 arc-min)
- Broad range of mounting adapters offer a simple, precise attachment to any motor
- Maintenance-free solution that is lubricated for life. High performance grease allows flexible mounting in any orientation
- Industry standard mounting dimensions
- Assembled in the USA

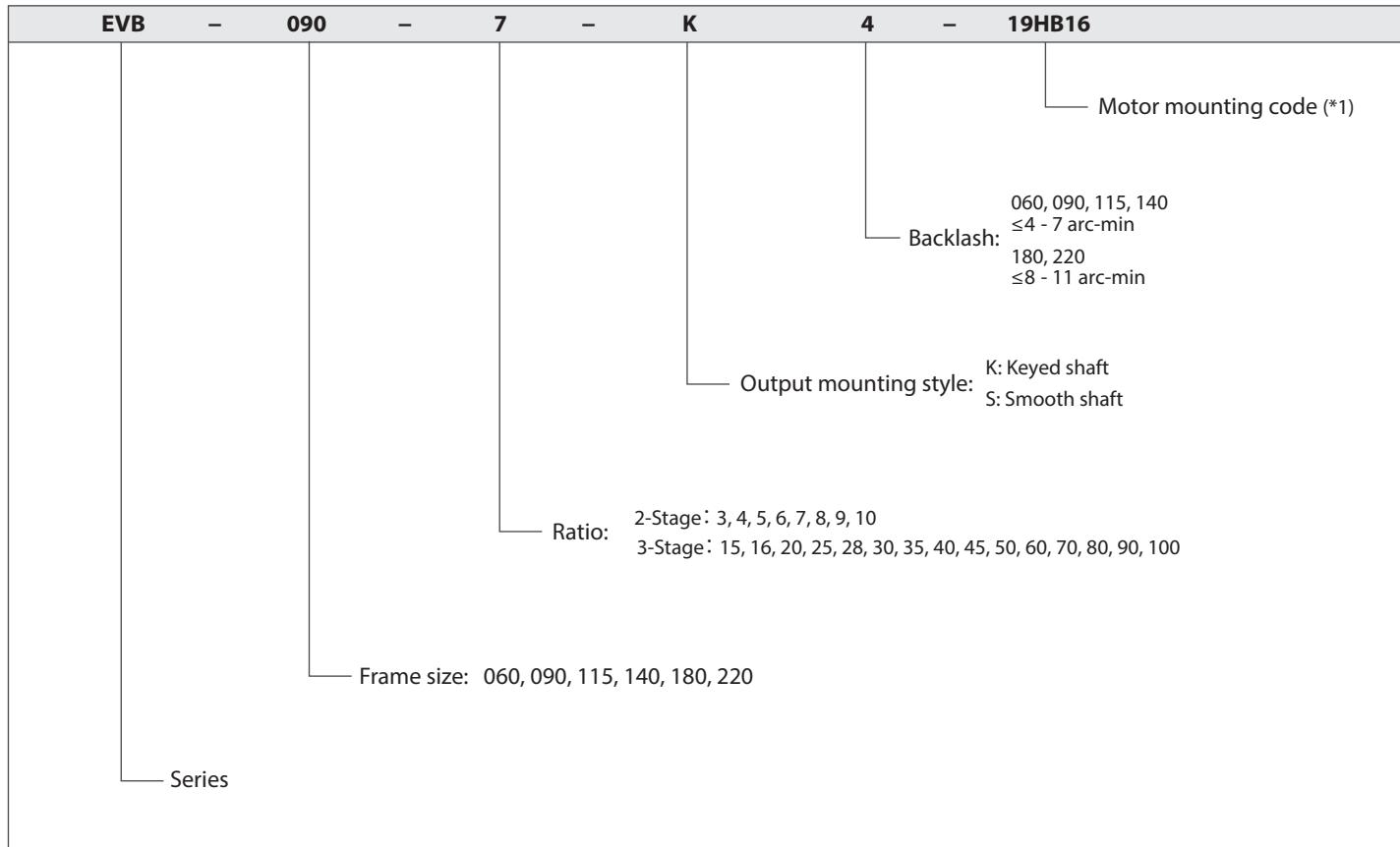
EVB SERIES Right-angle Planetary

EVB Series Features



- ① Right angle bevel gear configuration allows motor to be mounted at a 90 degree position from the gearbox, saving space
- ② Carburized helical gears with proprietary secondary finishing process for higher accuracy and smooth, quiet operation. 40% higher tooth surface area than the industry standard
- ③ One piece output shaft and planet carrier with two bearings straddling the planet gears. Higher stiffness, torque capacity and safety factor, with guaranteed alignment of gearing
- ④ Uncaged needle roller bearings provide excellent torque density and torsional rigidity. 43% larger bearing surface area compared to the rest of the industry
- ⑤ Optimized mounting system with active centering on motor pilot diameter guarantees alignment of motor. Motor can be installed in any orientation
- ⑥ True concentric motor shaft clamping connection, optimized for your specific motor. Reduced inertia for dynamic performance and balanced for high speed operation
- ⑦ Ring gear machined directly into the housing, not welded or pressed in. Provides greater concentricity and elimination of speed fluctuation

EVB Series Model Code



*1) Motor mounting code varies depending on the motor. Use the selection tool link below to configure the code.

Contact us for additional information or refer to our online gearbox selection tool.
 Selection tool <https://www.nidec-drivetechnology.co.jp/selection/all/>

The screenshot shows the Nidec Servo Reducer Selection Tool interface, which consists of three main windows:

- Left Window:** Shows the selection process: "Make a selection from the motor list" (with a VRV model shown), "Make a selection from load condition" (with a VRV model shown), "Application selection" (with a VRV model shown), and "Search reducer model" (with a VRV model shown).
- Middle Window:** Shows the "Choose Motor" screen. It includes fields for "Motor Manufacturer" (Nidec), "Motor Model" (VRV), "Reducer series" (VRV), and "Ratio" (1:10). It also lists "Detailed reducer series" for VRV, VRT, VRB, VR, VRG, and VRBT models, with various options for "Appearance", "Outer style", "Shaft", "Flange", "Torque", "Radial load", "Axial load", "Precision", "Ratio", "Cost", "Weight", and "Specification".
- Right Window:** Shows the "Reducer model" screen. It displays the selected "VRV-VRV-VRV-VRV" model and provides "Reducer specification" details, "Motor specification" (Capacity: 0.75 kW, Torque: 27 Nm, Speed: 3000 rpm, etc.), and "Download dimensions" (PDF, CAD, IGES, STEP formats).

EVB SERIES Right-angle Planetary

EVB o6o 2-Stage Specifications

Frame Size	060									
Ratio	Unit	Note	3	4	5	6	7	8	9	10
Nominal Output Torque	[Nm]	*1	12	16	22	24	24	24	19	19
Maximum Acceleration Torque	[Nm]	*2	29	38	48	54	54	54	38	38
Maximum Torque	[Nm]	*3	33	45	56	63	63	61	45	45
Emergency Stop Torque	[Nm]	*4	50	65	80	90	90	90	65	65
Nominal Input Speed	[rpm]	*5					3300			
Maximum Input Speed	[rpm]	*6					6000			
No Load Running Torque	[Nm]	*7					0.33			
Maximum Radial Load	[N]	*8					1200			
Maximum Axial Load	[N]	*9					1100			
Moment of Inertia ($\leq \emptyset 8$)	[kgcm ²]	--	0.31	0.27	0.25	0.24	0.23	0.23	0.23	0.23
Moment of Inertia ($\leq \emptyset 14$)	[kgcm ²]	--	0.39	0.34	0.32	0.31	0.31	0.31	0.30	0.30
Moment of Inertia ($\leq \emptyset 19$)	[kgcm ²]	--	0.58	0.53	0.51	0.50	0.50	0.50	0.49	0.49
Efficiency	[%]	*10					93			
Torsional Rigidity	[Nm/arc-min]	*11					3			
Maximum Torsional Backlash	[arc-min]	--					≤ 4			
Noise Level	dB [A]	*12					≤ 80			
Protection Class	--	*13					IP54 (IP65)			
Ambient Temperature	[°C]	--					0-40			
Permitted Housing Temperature	[°C]	--					90			
Weight	[kg]	*14					1.8			

EVB o6o 3-Stage Specifications

Frame Size	060									
Ratio	Unit	Note	15	16	20	25	28	30	35	40
Nominal Output Torque	[Nm]	*1	18	26	26	28	28	19	28	28
Maximum Acceleration Torque	[Nm]	*2	38	54	54	54	54	38	54	54
Maximum Torque	[Nm]	*3	38	54	54	54	54	38	54	54
Emergency Stop Torque	[Nm]	*4	65	90	90	90	90	65	90	90
Nominal Input Speed	[rpm]	*5					3800			
Maximum Input Speed	[rpm]	*6					6000			
No Load Running Torque	[Nm]	*7					0.20			
Maximum Radial Load	[N]	*8					1200			
Maximum Axial Load	[N]	*9					1100			
Moment of Inertia ($\leq \emptyset 8$)	[kgcm ²]	--	0.073	0.079	0.071	0.071	0.077	0.062	0.070	0.061
Moment of Inertia ($\leq \emptyset 14$)	[kgcm ²]	--	0.118	0.124	0.116	0.115	0.122	0.106	0.115	0.106
Moment of Inertia ($\leq \emptyset 19$)	[kgcm ²]	--	--	--	--	--		--	--	--
Efficiency	[%]	*10					88			
Torsional Rigidity	[Nm/arc-min]	*11					3			
Maximum Torsional Backlash	[arc-min]	--					≤ 7			
Noise Level	dB [A]	*12					≤ 80			
Protection Class	--	*13					IP54 (IP65)			
Ambient Temperature	[°C]	--					0-40			
Permitted Housing Temperature	[°C]	--					90			
Weight	[kg]	*14					1.6			

EVB o60 3-Stage Specifications

Frame Size	060								
Ratio	Unit	Note	45	50	60	70	80	90	100
Nominal Output Torque	[Nm]	*1	19	28	28	28	28	19	19
Maximum Acceleration Torque	[Nm]	*2	38	54	54	54	54	38	38
Maximum Torque	[Nm]	*3	38	54	54	54	54	38	38
Emergency Stop Torque	[Nm]	*4	65	90	90	90	90	65	65
Nominal Input Speed	[rpm]	*5				3800			
Maximum Input Speed	[rpm]	*6				6000			
No Load Running Torque	[Nm]	*7				0.2			
Maximum Radial Load	[N]	*8				1200			
Maximum Axial Load	[N]	*9				1100			
Moment of Inertia ($\leq \emptyset 8$)	[kgcm ²]	--	0.070	0.061	0.061	0.061	0.061	0.061	0.061
Moment of Inertia ($\leq \emptyset 14$)	[kgcm ²]	--	0.115	0.106	0.106	0.105	0.105	0.105	0.105
Moment of Inertia ($\leq \emptyset 19$)	[kgcm ²]	--	--	--	--	--	--	--	--
Efficiency	[%]	*10				88			
Torsional Rigidity	[Nm/arc-min]	*11				3			
Maximum Torsional Backlash	[arc-min]	--				≤ 7			
Noise Level	dB [A]	*12				≤ 80			
Protection Class	--	*13				IP54 (IP65)			
Ambient Temperature	[°C]	--				0-40			
Permitted Housing Temperature	[°C]	--				90			
Weight	[kg]	*14				1.6			

*1) At nominal input speed, service life is 20,000 hours

*2) The maximum torque when starting or stopping operation. Apply Cycle Factor f_0 , found on page 468, for higher duty cycle applications

*3) Permitted 10,000 times during service life. Based on 10% of maximum radial load and smooth output shaft

*4) The maximum torque allowed under a stress situation. Permitted 1,000 times during service life

*5) The average input speed at nominal input torque. Maintain housing temperature below permitted value

*6) The maximum intermittent input speed

*7) Torque at no load applied to the input shaft at nominal input speed

*8) The maximum radial load that the gearbox can accept

*9) The maximum axial load that the gearbox can accept

*10) The efficiency at the nominal output torque rating

*11) This does not include lost motion

*12) Contact Nidec Drive Technology for the testing conditions and environment

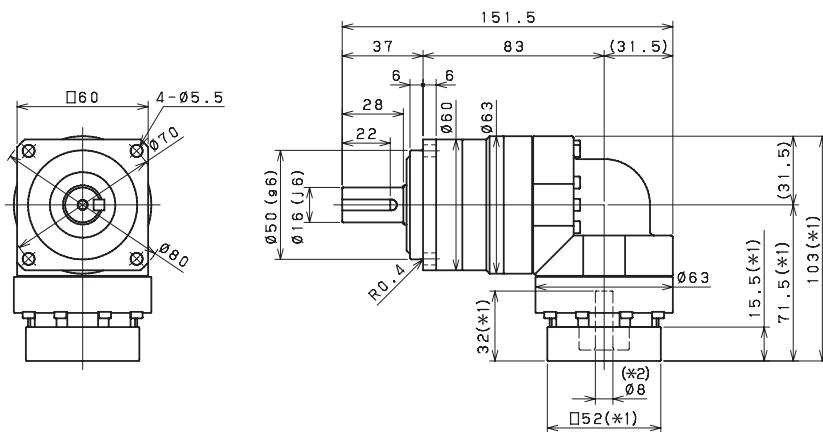
*13) Various wash-down options are available. Contact Nidec Drive Technology for more details

*14) Weight may vary slightly between models

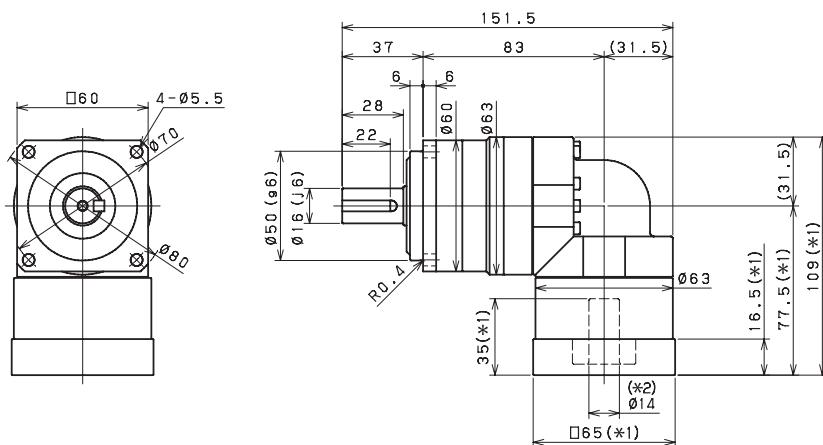
EVB SERIES Right-angle Planetary

EVB o60 2-Stage Dimensions

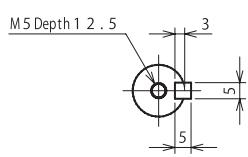
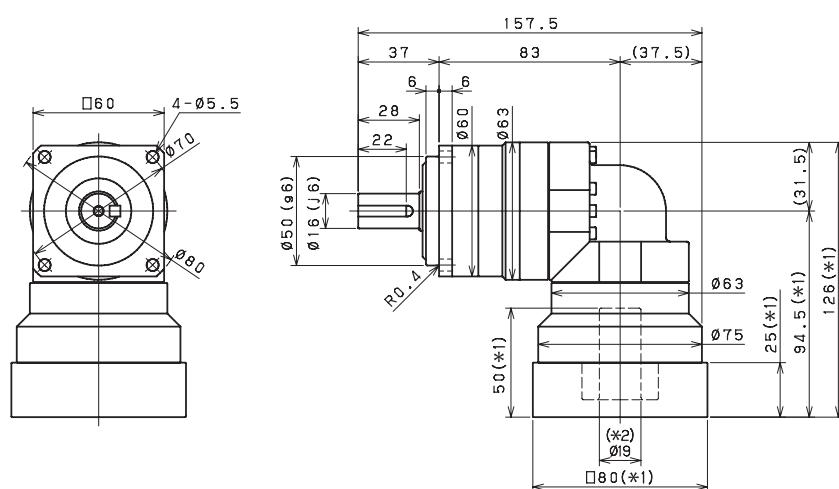
Input bore size $\leq \varnothing 8\text{ mm}$



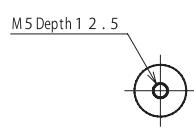
Input bore size $\leq \varnothing 14\text{ mm}$



Input bore size $\leq \varnothing 19\text{ mm}$



Keyed shaft



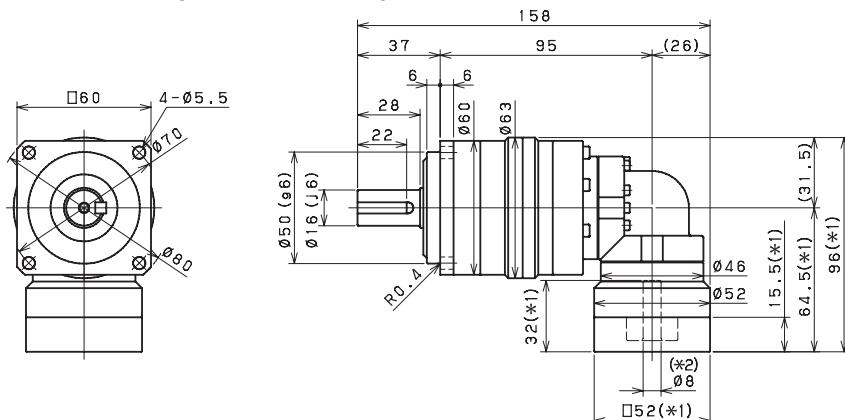
Smooth shaft

*1) Length will vary depending on motor

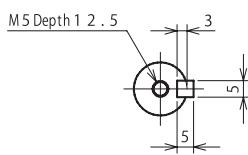
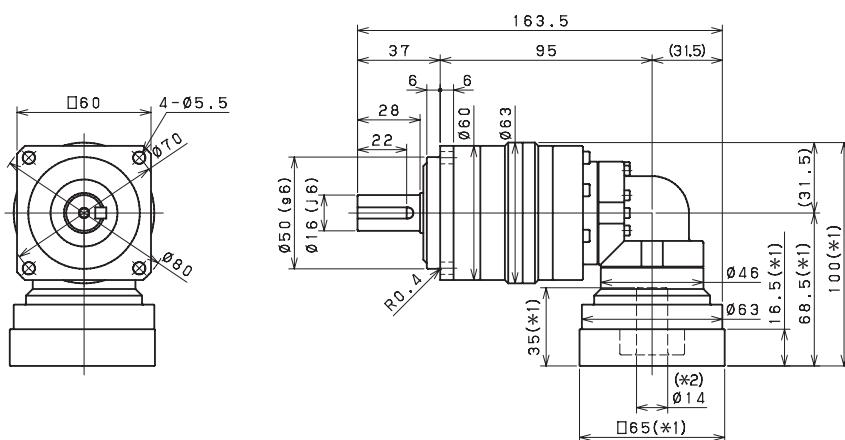
*2) Bushing will be inserted to adapt to motor shaft

EVB o60 3-Stage Dimensions

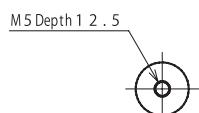
Input bore size $\leq \varnothing 8\text{ mm}$



Input bore size $\leq \varnothing 14\text{ mm}$



Keyed shaft



Smooth shaft

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

EVB 090 3-Stage Specifications

Frame Size	090								
Ratio	Unit	Note	45	50	60	70	80	90	100
Nominal Output Torque	[Nm]	*1	47	73	73	73	78	52	52
Maximum Acceleration Torque	[Nm]	*2	78	128	128	128	128	78	78
Maximum Torque	[Nm]	*3	78	128	128	128	128	78	78
Emergency Stop Torque	[Nm]	*4	170	220	220	220	220	170	170
Nominal Input Speed	[rpm]	*5				3300			
Maximum Input Speed	[rpm]	*6				6000			
No Load Running Torque	[Nm]	*7				0.55			
Maximum Radial Load	[N]	*8				2400			
Maximum Axial Load	[N]	*9				2200			
Moment of Inertia ($\leq \emptyset 8$)	[kgcm ²]	--	0.32	0.25	0.25	0.25	0.25	0.25	0.25
Moment of Inertia ($\leq \emptyset 14$)	[kgcm ²]	--	0.39	0.32	0.32	0.32	0.32	0.32	0.32
Moment of Inertia ($\leq \emptyset 19$)	[kgcm ²]	--	0.58	0.51	0.51	0.51	0.51	0.51	0.51
Moment of Inertia ($\leq \emptyset 28$)	[kgcm ²]	--	--	--	--	--	--	--	--
Efficiency	[%]	*10				88			
Torsional Rigidity	[Nm/arc-min]	*11				10			
Maximum Torsional Backlash	[arc-min]	--				≤ 7			
Noise Level	dB [A]	*12				≤ 80			
Protection Class	--	*13				IP54 (IP65)			
Ambient Temperature	[°C]	--				0-40			
Permitted Housing Temperature	[°C]	--				90			
Weight	[kg]	*14				4.4			

*1) At nominal input speed, service life is 20,000 hours

*2) The maximum torque when starting or stopping operation. Apply Cycle Factor f_0 , found on page 468, for higher duty cycle applications

*3) Permitted 10,000 times during service life. Based on 10% of maximum radial load and smooth output shaft

*4) The maximum torque allowed under a stress situation. Permitted 1,000 times during service life

*5) The average input speed at nominal input torque. Maintain housing temperature below permitted value

*6) The maximum intermittent input speed

*7) Torque at no load applied to the input shaft at nominal input speed

*8) The maximum radial load that the gearbox can accept

*9) The maximum axial load that the gearbox can accept

*10) The efficiency at the nominal output torque rating

*11) This does not include lost motion

*12) Contact Nidec Drive Technology for the testing conditions and environment

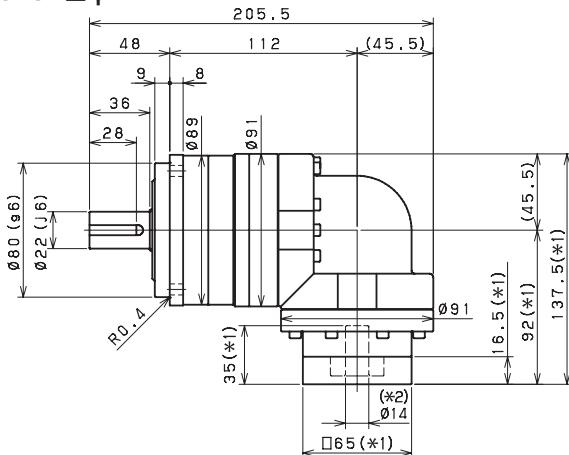
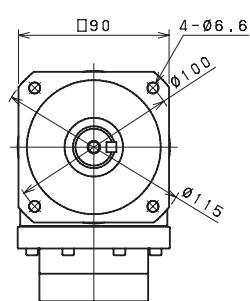
*13) Various wash-down options are available. Contact Nidec Drive Technology for more details

*14) Weight may vary slightly between models

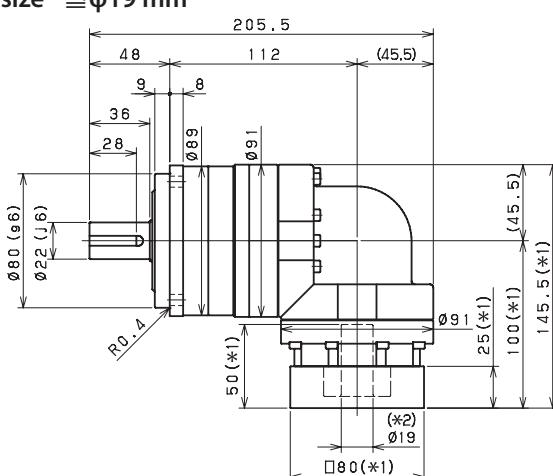
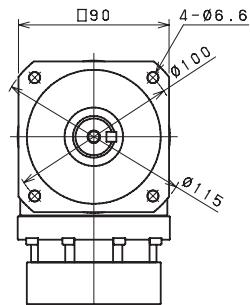
EVB SERIES Right-angle Planetary

EVB 090 2-Stage Dimensions

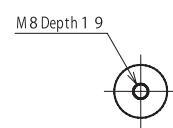
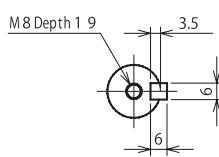
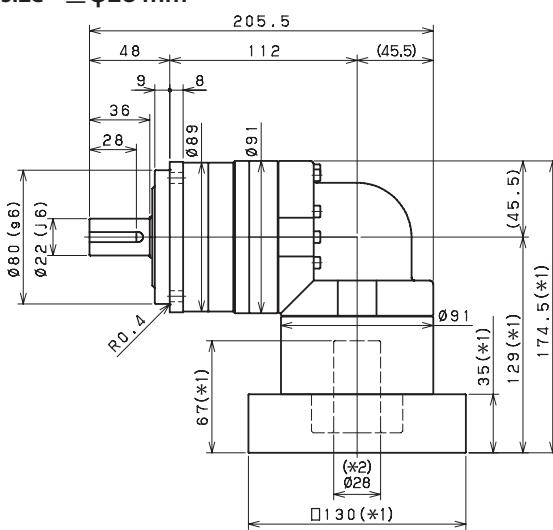
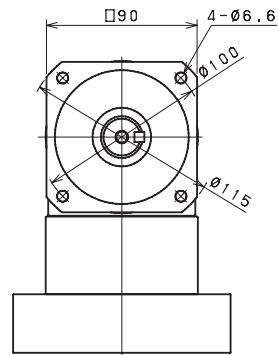
Input bore size $\leq \varnothing 14\text{ mm}$



Input bore size $\leq \varnothing 19\text{ mm}$



Input bore size $\leq \varnothing 28\text{ mm}$

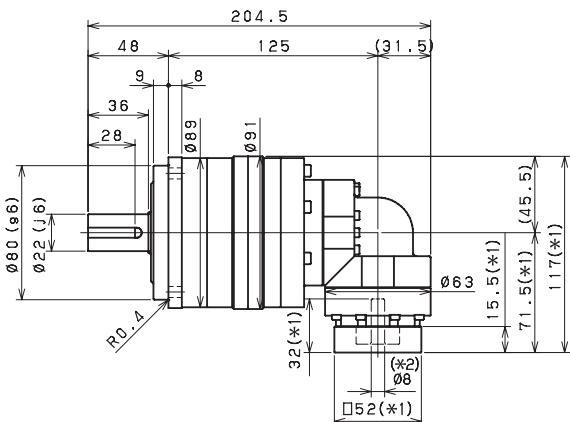
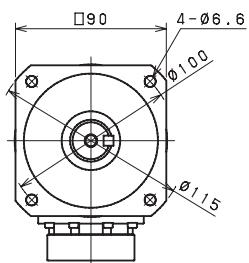


*1) Length will vary depending on motor

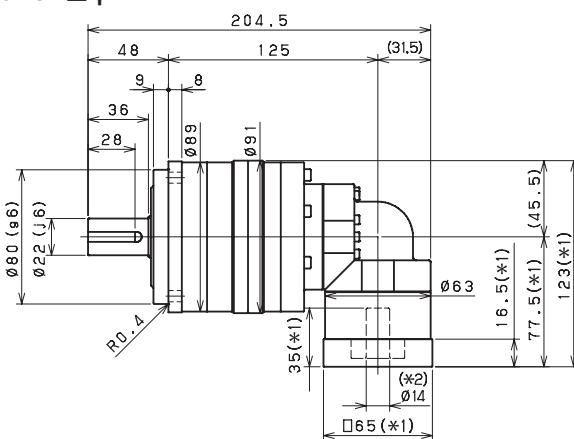
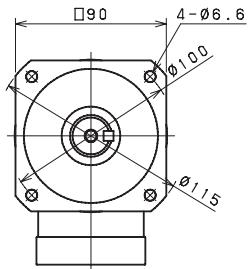
*2) Bushing will be inserted to adapt to motor shaft

EVB o90 3-Stage Dimensions

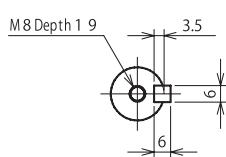
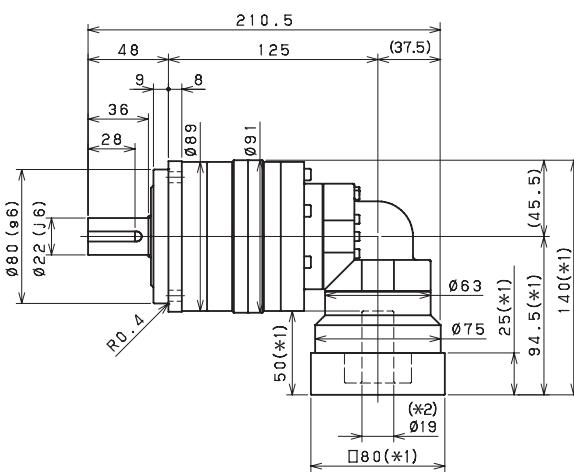
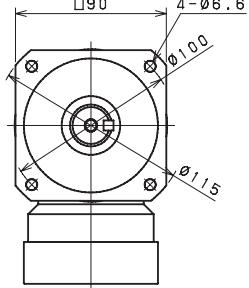
Input bore size $\leq \varnothing 8\text{ mm}$



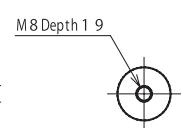
Input bore size $\leq \varnothing 14\text{ mm}$



Input bore size $\leq \varnothing 19\text{ mm}$



Keyed shaft



Smooth shaft

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

EVB 115 3-Stage Specifications

Frame Size	115								
Ratio	Unit	Note	45	50	60	70	80	90	100
Nominal Output Torque	[Nm]	*1	132	174	174	174	174	132	132
Maximum Acceleration Torque	[Nm]	*2	240	340	340	340	340	240	240
Maximum Torque	[Nm]	*3	240	340	340	340	340	240	240
Emergency Stop Torque	[Nm]	*4	450	550	550	550	550	450	450
Nominal Input Speed	[rpm]	*5				3100			
Maximum Input Speed	[rpm]	*6				6000			
No Load Running Torque	[Nm]	*7				1.11			
Maximum Radial Load	[N]	*8				4300			
Maximum Axial Load	[N]	*9				3900			
Moment of Inertia ($\leq \varnothing 14$)	[kgcm ²]	--	2.15	1.86	1.85	1.85	1.85	1.85	1.85
Moment of Inertia ($\leq \varnothing 19$)	[kgcm ²]	--	2.48	2.19	2.18	2.18	2.18	2.18	2.18
Moment of Inertia ($\leq \varnothing 28$)	[kgcm ²]	--	4.61	4.31	4.31	4.31	4.31	4.31	4.31
Moment of Inertia ($\leq \varnothing 38$)	[kgcm ²]	--	--	--	--	--	--	--	--
Efficiency	[%]	*10				88			
Torsional Rigidity	[Nm/arc-min]	*11				31			
Maximum Torsional Backlash	[arc-min]	--				≤ 7			
Noise Level	dB [A]	*12				≤ 85			
Protection Class	--	*13				IP54 (IP65)			
Ambient Temperature	[°C]	--				0-40			
Permitted Housing Temperature	[°C]	--				90			
Weight	[kg]	*14				10.1			

*1) At nominal input speed, service life is 20,000 hours

*2) The maximum torque when starting or stopping operation. Apply Cycle Factor f_0 , found on page 468, for higher duty cycle applications

*3) Permitted 10,000 times during service life. Based on 10% of maximum radial load and smooth output shaft

*4) The maximum torque allowed under a stress situation. Permitted 1,000 times during service life

*5) The average input speed at nominal input torque. Maintain housing temperature below permitted value

*6) The maximum intermittent input speed

*7) Torque at no load applied to the input shaft at nominal input speed

*8) The maximum radial load that the gearbox can accept

*9) The maximum axial load that the gearbox can accept

*10) The efficiency at the nominal output torque rating

*11) This does not include lost motion

*12) Contact Nidec Drive Technology for the testing conditions and environment

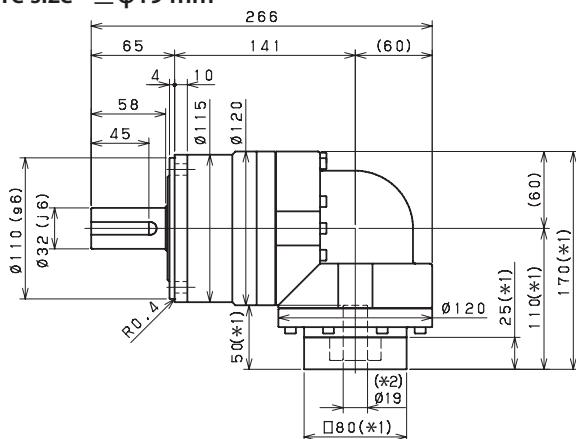
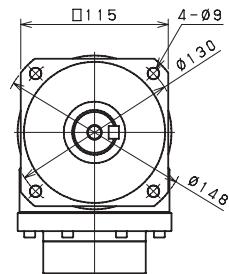
*13) Various wash-down options are available. Contact Nidec Drive Technology for more details

*14) Weight may vary slightly between models

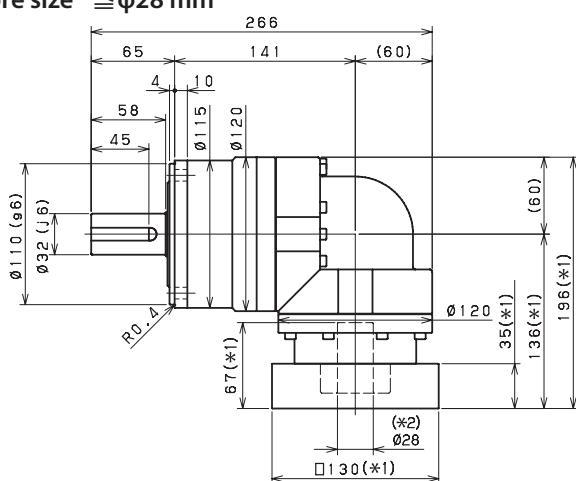
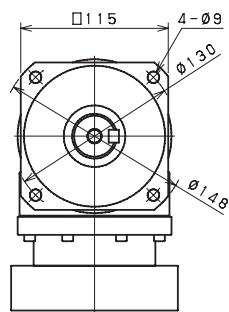
EVB SERIES Right-angle Planetary

EVB 115 2-Stage Dimensions

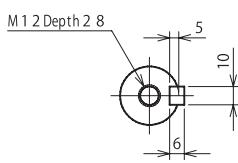
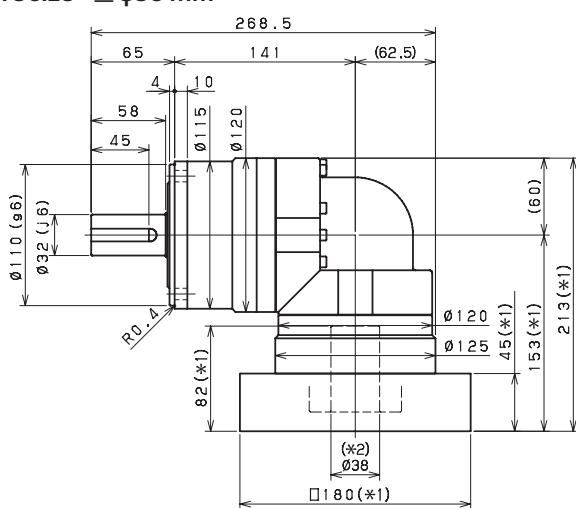
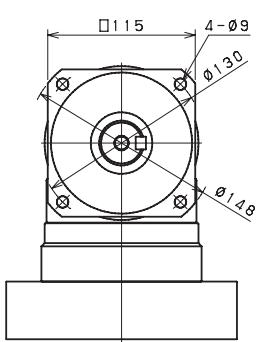
Input bore size $\leq \phi 19$ mm



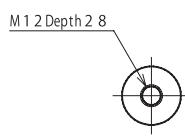
Input bore size $\leq \phi 28$ mm



Input bore size $\leq \phi 38$ mm



Keyed shaft



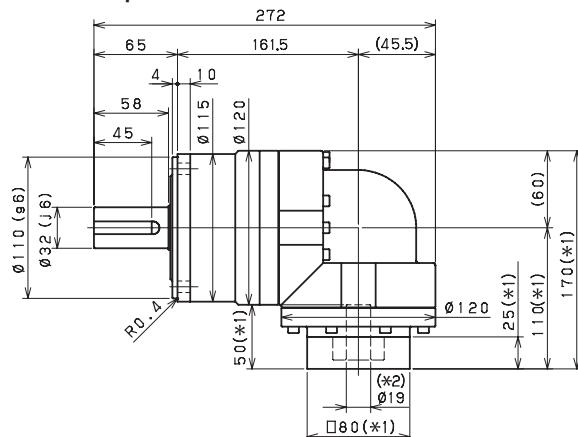
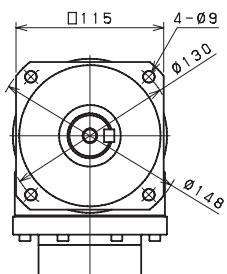
Smooth shaft

*1) Length will vary depending on motor

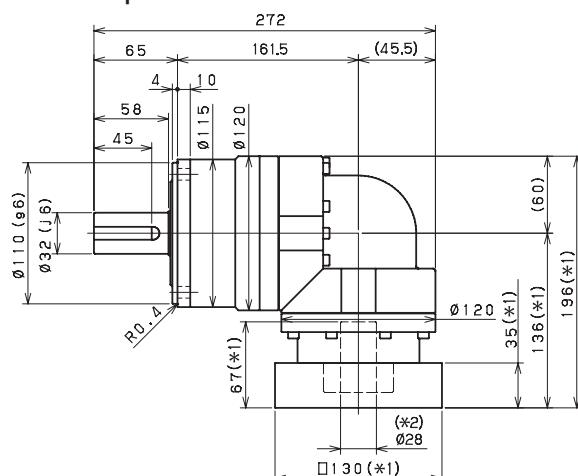
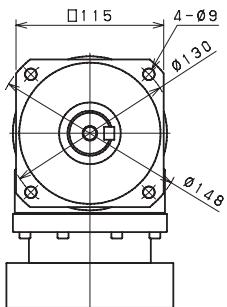
*2) Bushing will be inserted to adapt to motor shaft

EVB 115 3-Stage Dimensions

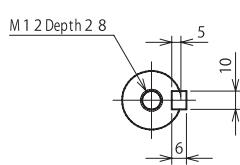
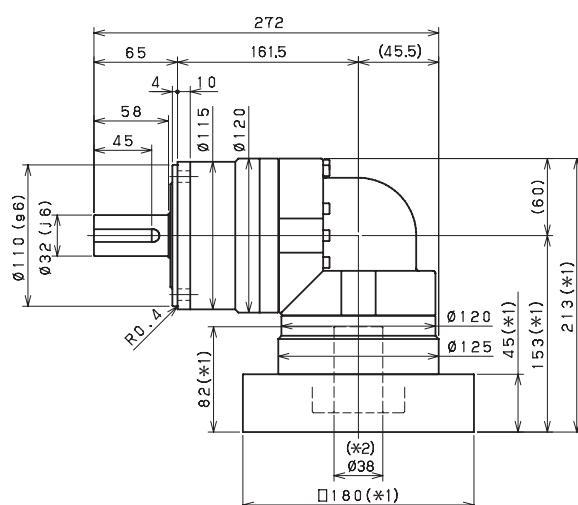
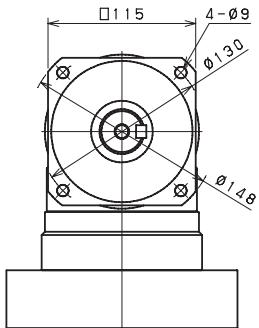
Input bore size $\leq \varnothing 14\text{ mm}$



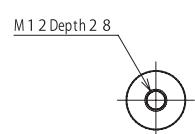
Input bore size $\leq \varnothing 19\text{ mm}$



Input bore size $\leq \varnothing 28\text{ mm}$



Keyed shaft



Smooth shaft

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

EVB 140 3-Stage Specifications

Frame Size	140								
Ratio	Unit	Note	45	50	60	70	80	90	100
Nominal Output Torque	[Nm]	*1	240	352	352	352	352	240	240
Maximum Acceleration Torque	[Nm]	*2	480	687	687	687	687	480	480
Maximum Torque	[Nm]	*3	480	687	687	687	687	480	480
Emergency Stop Torque	[Nm]	*4	750	1100	1100	1100	1100	750	750
Nominal Input Speed	[rpm]	*5				2300			
Maximum Input Speed	[rpm]	*6				4000			
No Load Running Torque	[Nm]	*7				2.56			
Maximum Radial Load	[N]	*8				9100			
Maximum Axial Load	[N]	*9				8200			
Moment of Inertia ($\leq \emptyset 19$)	[kgcm ²]	--	6.07	4.93	4.92	4.91	4.91	4.91	4.91
Moment of Inertia ($\leq \emptyset 28$)	[kgcm ²]	--	7.66	6.52	6.51	6.51	6.50	6.50	6.50
Moment of Inertia ($\leq \emptyset 38$)	[kgcm ²]	--	14.74	13.59	13.59	13.58	13.58	13.57	13.57
Moment of Inertia ($\leq \emptyset 48$)	[kgcm ²]	--	--	--	--	--	--	--	--
Efficiency	[%]	*10				88			
Torsional Rigidity	[Nm/arc-min]	*11				60			
Maximum Torsional Backlash	[arc-min]	--				≤ 7			
Noise Level	dB [A]	*12				≤ 85			
Protection Class	--	*13				IP54 (IP65)			
Ambient Temperature	[°C]	--				0-40			
Permitted Housing Temperature	[°C]	--				90			
Weight	[kg]	*14				19.6			

*1) At nominal input speed, service life is 20,000 hours

*2) The maximum torque when starting or stopping operation. Apply Cycle Factor f_0 , found on page 468, for higher duty cycle applications

*3) Permitted 10,000 times during service life. Based on 10% of maximum radial load and smooth output shaft

*4) The maximum torque allowed under a stress situation. Permitted 1,000 times during service life

*5) The average input speed at nominal input torque. Maintain housing temperature below permitted value

*6) The maximum intermittent input speed

*7) Torque at no load applied to the input shaft at nominal input speed

*8) The maximum radial load that the gearbox can accept

*9) The maximum axial load that the gearbox can accept

*10) The efficiency at the nominal output torque rating

*11) This does not include lost motion

*12) Contact Nidec Drive Technology for the testing conditions and environment

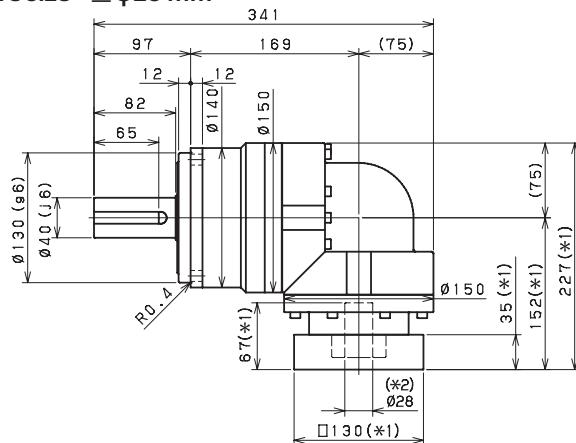
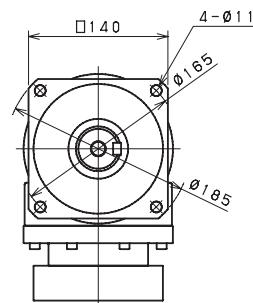
*13) Various wash-down options are available. Contact Nidec Drive Technology for more details

*14) Weight may vary slightly between models

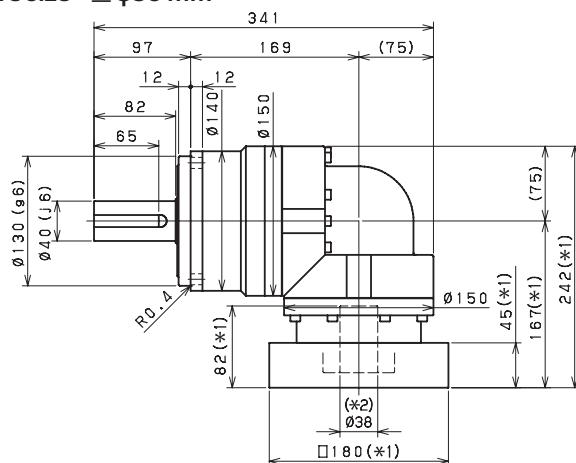
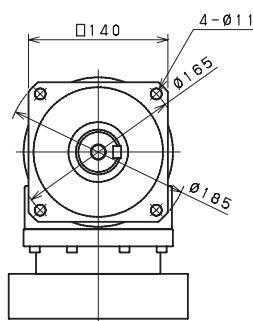
EVB SERIES Right-angle Planetary

EVB 140 2-Stage Dimensions

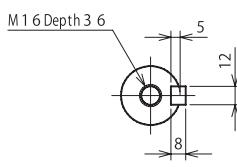
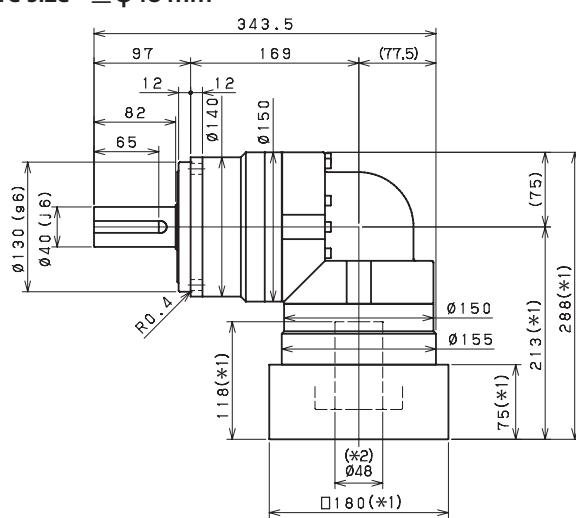
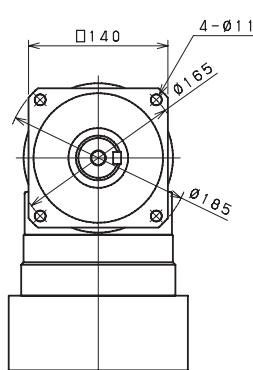
Input bore size $\leq \varnothing 28\text{ mm}$



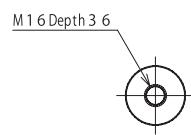
Input bore size $\leq \varnothing 38\text{ mm}$



Input bore size $\leq \varnothing 48\text{ mm}$



Keyed shaft



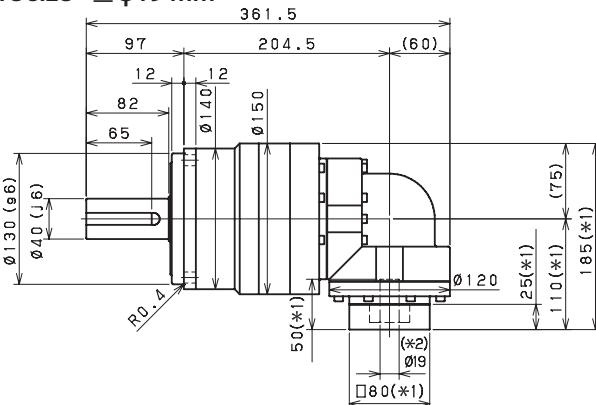
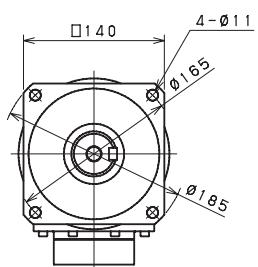
Smooth shaft

*1) Length will vary depending on motor

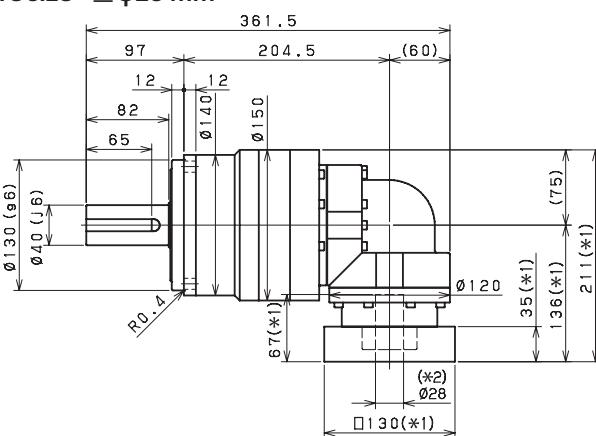
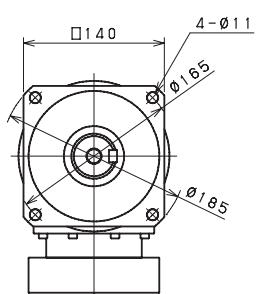
*2) Bushing will be inserted to adapt to motor shaft

EVB 140 3-Stage Dimensions

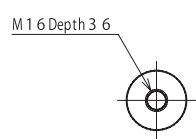
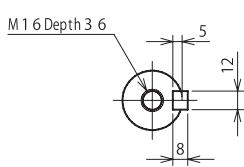
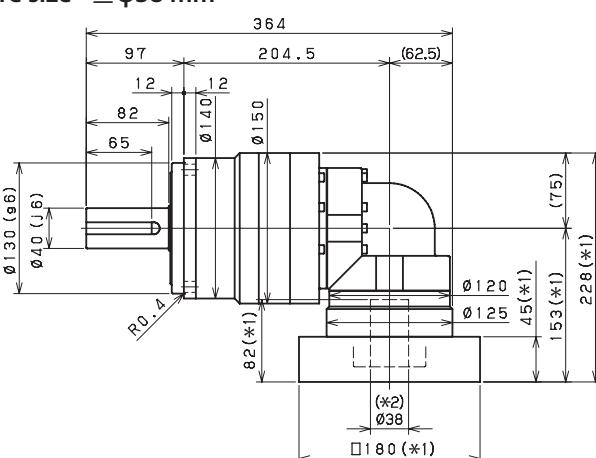
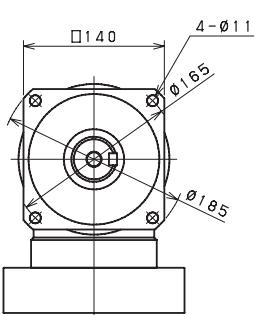
Input bore size $\leq \phi 19$ mm



Input bore size $\leq \phi 28$ mm



Input bore size $\leq \phi 38$ mm



Keyed shaft

Smooth shaft

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

EVB 180 3-Stage Specifications

Frame Size	180								
Ratio	Units	Note	45	50	60	70	80	90	100
Nominal Output Torque	[Nm]	*1	480	710	710	710	710	480	480
Maximum Acceleration Torque	[Nm]	*2	931	1315	1315	1315	1315	931	931
Maximum Torque	[Nm]	*3	931	1315	1315	1315	1315	931	931
Emergency Stop Torque	[Nm]	*4	2000	2500	2500	2500	2500	2000	2000
Nominal Input Speed	[rpm]	*5				2100			
Maximum Input Speed	[rpm]	*6				4000			
No Load Running Torque	[Nm]	*7				4.7			
Maximum Radial Load	[N]	*8				15000			
Maximum Axial Load	[N]	*9				14000			
Moment of Inertia ($\leq \varnothing 28$)	[kgcm ²]	--	10.76	10.2	10.18	10.16	10.15	10.15	10.14
Moment of Inertia ($\leq \varnothing 38$)	[kgcm ²]	--	19.55	18.99	18.96	18.95	18.94	18.93	18.93
Moment of Inertia ($\leq \varnothing 48$)	[kgcm ²]	--	24.37	23.81	23.78	23.77	23.76	23.75	23.75
Moment of Inertia ($\leq \varnothing 65$)	[kgcm ²]	--	--	--	--	--	--	--	--
Efficiency	[%]	*10				88			
Torsional Rigidity	[Nm/arcmin]	*11				175			
Maximum Torsional Backlash	[Arc-min]	--				≤ 9			
Noise Level	dB [A]	*12				≤ 85			
Protection Class	--	*13				IP54 (IP65)			
Ambient Temperature	[°C]	--				0-40			
Permitted Housing Temperature	[°C]	--				90			
Weight	[kg]	*14				36			

*1) At nominal input speed, service life is 20,000 hours

*2) The maximum torque when starting or stopping operation. Apply Cycle Factor f_0 , found on page 468, for higher duty cycle applications

*3) Permitted 10,000 times during service life. Based on 10% of maximum radial load and smooth output shaft

*4) The maximum torque allowed under a stress situation. Permitted 1,000 times during service life

*5) The average input speed at nominal input torque. Maintain housing temperature below permitted value

*6) The maximum intermittent input speed

*7) Torque at no load applied to the input shaft at nominal input speed

*8) The maximum radial load that the gearbox can accept

*9) The maximum axial load that the gearbox can accept

*10) The efficiency at the nominal output torque rating

*11) This does not include lost motion

*12) Contact Nidec Drive Technology for the testing conditions and environment

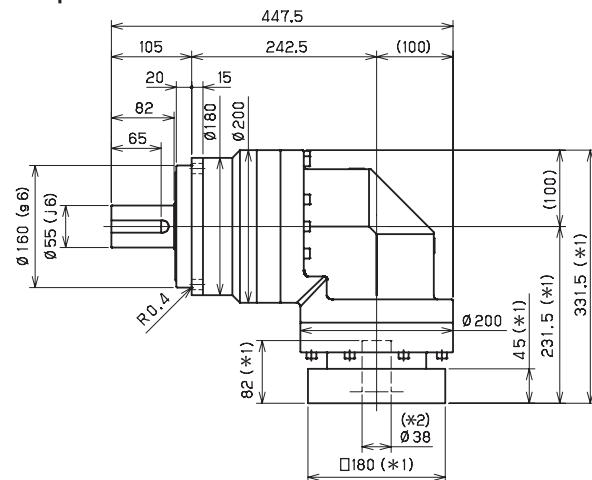
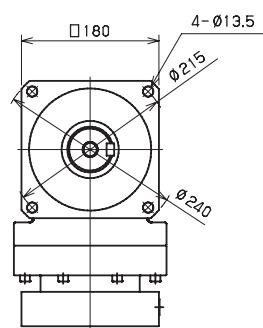
*13) Various wash-down options are available. Contact Nidec Drive Technology for more details

*14) Weight may vary slightly between models

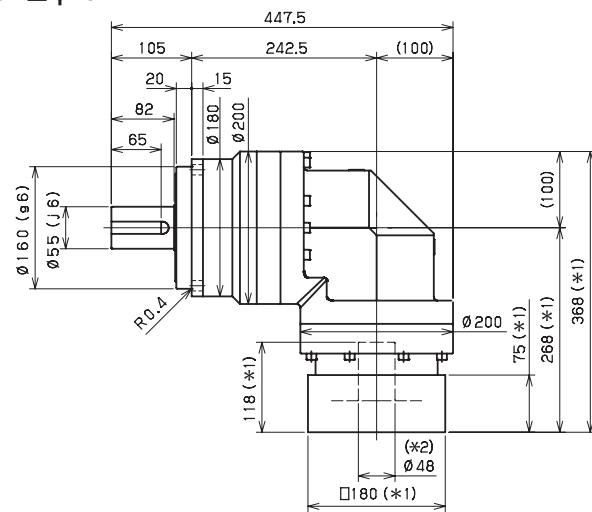
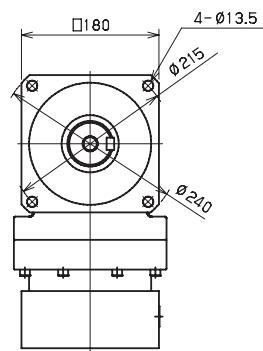
EVB SERIES Right-angle Planetary

EVB 180 2-Stage Dimensions

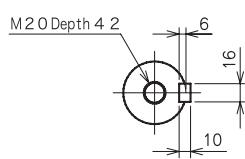
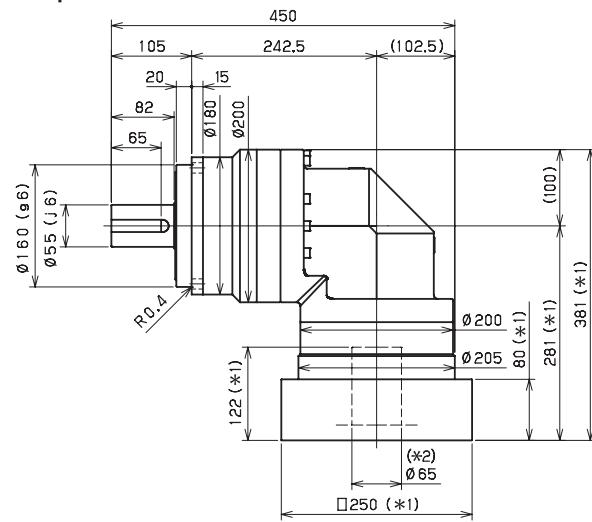
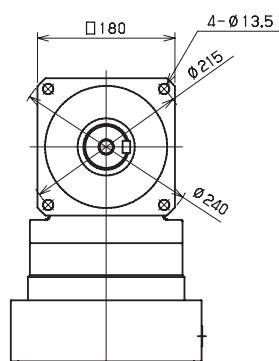
Input bore size $\leq \varnothing 38$ mm



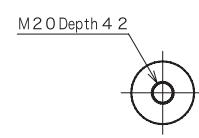
Input bore size $\leq \varnothing 48$ mm



Input bore size $\leq \varnothing 65$ mm



Keyed shaft



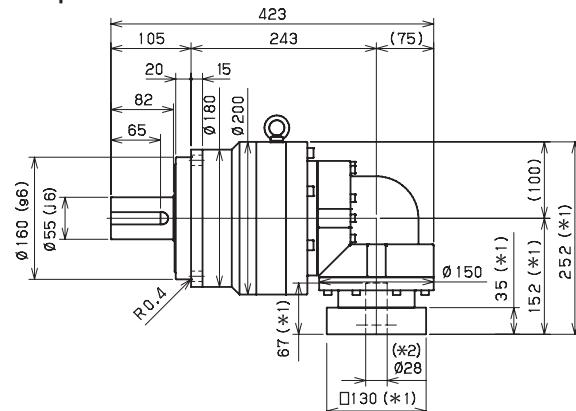
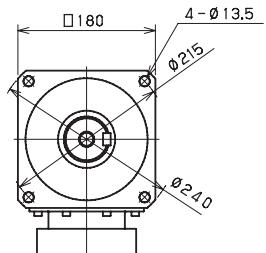
Smooth shaft

*1) Length will vary depending on motor

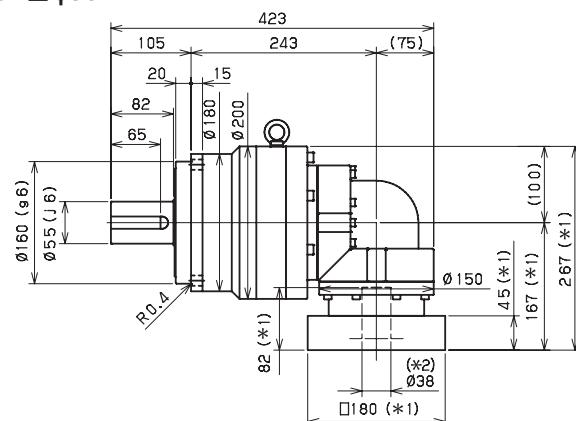
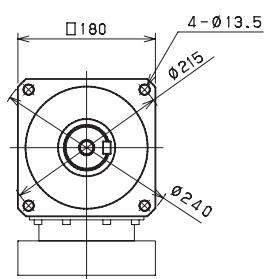
*2) Bushing will be inserted to adapt to motor shaft

EVB 180 3-Stage Dimensions

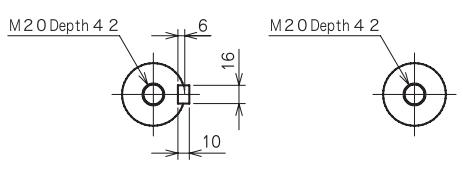
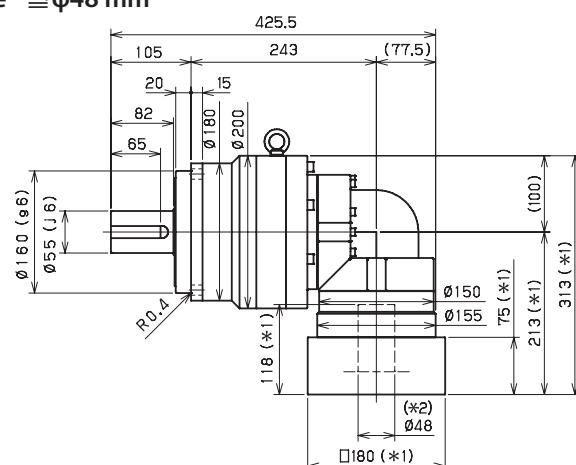
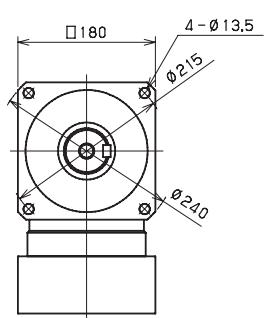
Input bore size $\leq \varnothing 28 \text{ mm}$



Input bore size $\leq \varnothing 38 \text{ mm}$



Input bore size $\leq \varnothing 48 \text{ mm}$



*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

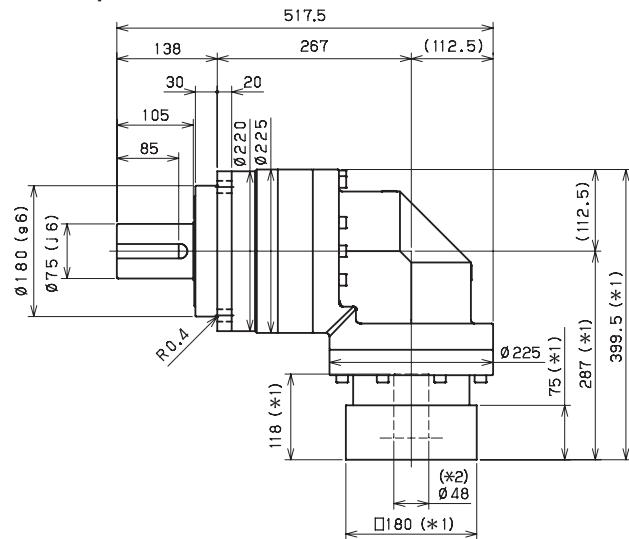
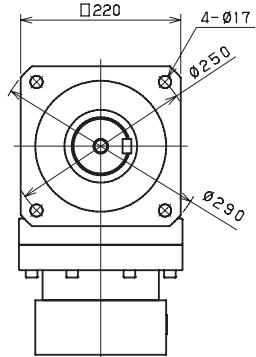
Keyed shaft

Smooth shaft

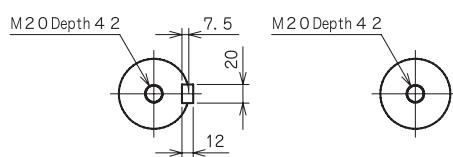
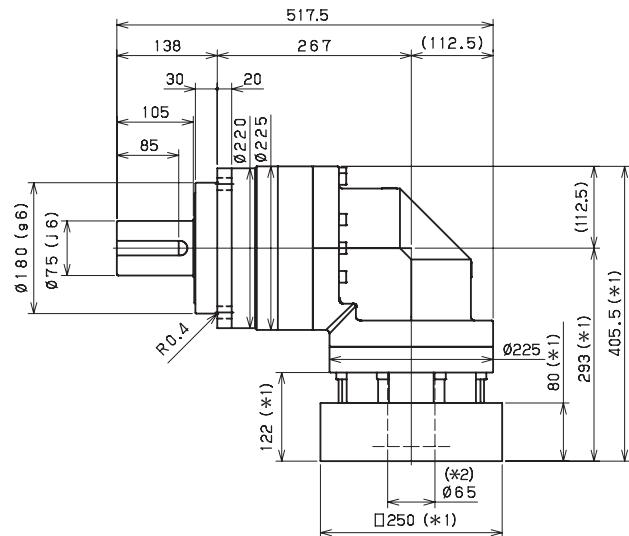
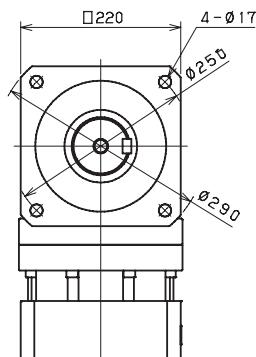
EVB SERIES Right-angle Planetary

EVB 220 2-Stage Dimensions

Input bore size $\leq \phi 48$ mm



Input bore size $\leq \phi 65$ mm



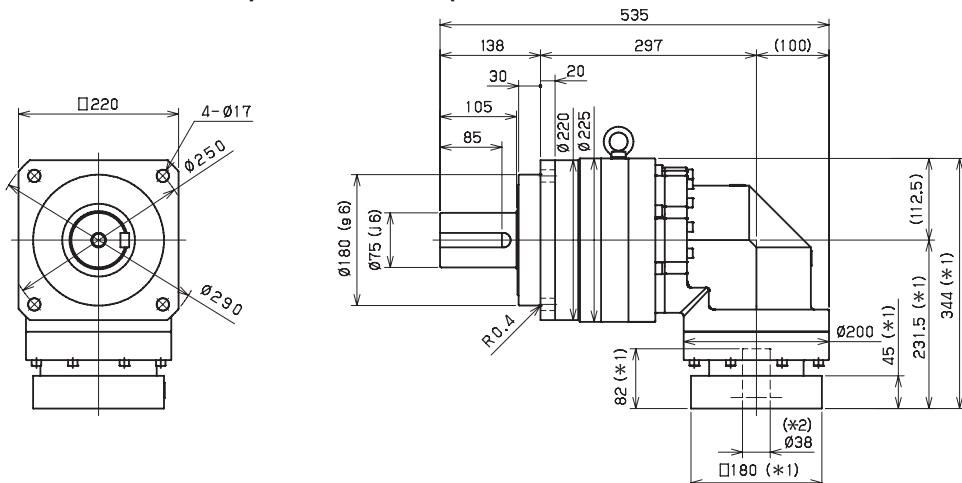
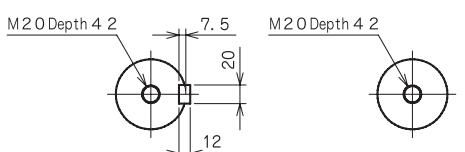
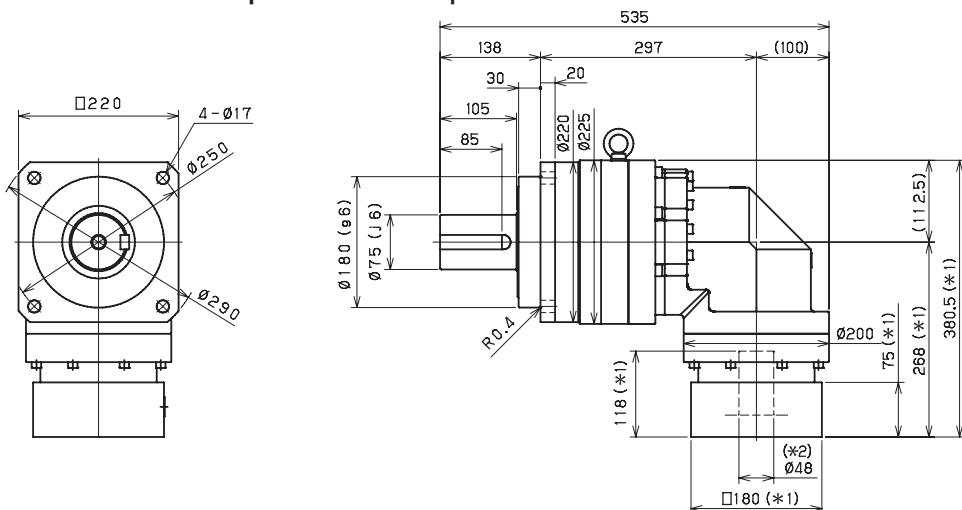
Keyed shaft

Smooth shaft

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft

EVB 220 3-Stage Dimensions

Input bore size $\leq \phi 38$ mmInput bore size $\leq \phi 48$ mm

*1) Length will vary depending on motor

*2) Bushing will be inserted to adapt to motor shaft