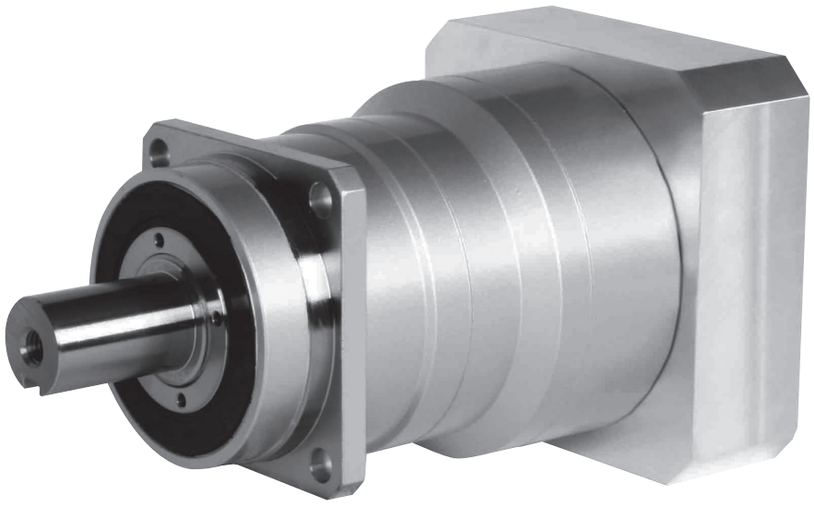
SHIMPO

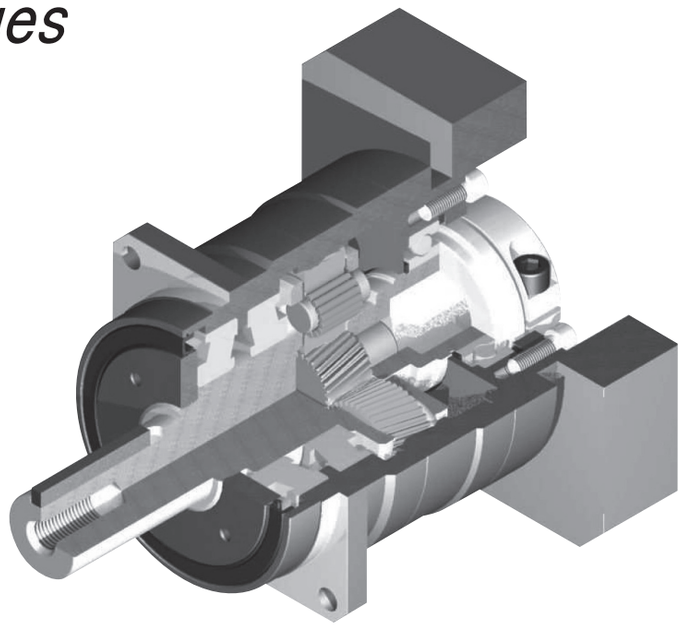
For servo motor

ABLE REDUCER

VRS Series



VRS series



High precision

Standard backlash is 3 arc-min, ideal for precision control.

High rigidity & torque

High rigidity & high torque were achived by uncaged needle roller bearings.

High load capacity

Adopting taper roller bearing for the main output shaft to increase radial and axial load.

Adapter-bushing connection

Can be attached to any motor all over the world.

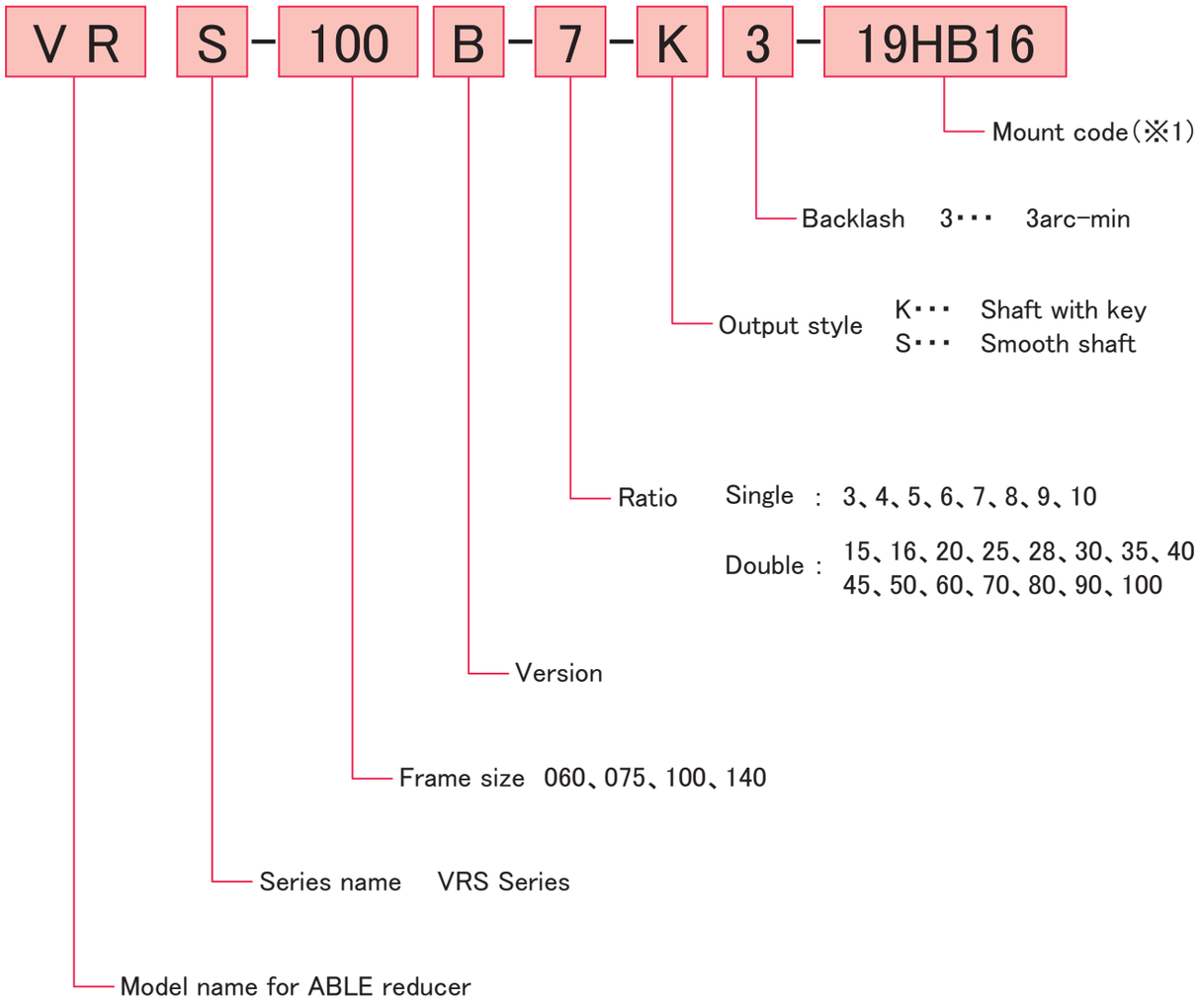
No grease leakage

Perfect solution using high viscosity anti-separation grease.

Maintenance-free

No need to replace the grease for the life of the unit.
Can be attached in any position.

VRS series



※1 Mount code

Mount code varies depending on the motor.
Please refer to reducer selection tool or contact us for more information.

Selection tool (English)
(http://www.nidec-shimpo.co.jp/selection/eng/)

Performance table

VRS-060B

Frame size	Stage	Ratio	※1 Nominal output torque [Nm]	※2 Maximum output torque [Nm]	※3 Emergency stop torque [Nm]	※4 Nominal input speed [rpm]	※5 Maximum input speed [rpm]	※6 Permitted radial load [N]	※7 Permitted axial load [N]
060B	Single	3	18	35	80	3000	6000	1700	2300
		4	27	50	100	3000	6000	1900	2500
		5	27	50	100	3000	6000	2000	2700
		6	27	50	100	3000	6000	2100	2700
		7	27	50	100	3000	6000	2200	2700
		8	27	50	100	3000	6000	2300	2700
		9	18	35	80	3000	6000	2400	2700
		10	18	35	80	3000	6000	2400	2700
	Double	15	18	35	80	3000	6000	2800	2700
		16	27	50	100	3000	6000	2800	2700
		20	27	50	100	3000	6000	3000	2700
		25	27	50	100	3000	6000	3000	2700
		28	27	50	100	3000	6000	3000	2700
		30	18	35	80	3000	6000	3000	2700
		35	27	50	100	3000	6000	3000	2700
		40	27	50	100	3000	6000	3000	2700
		45	18	35	80	3000	6000	3000	2700
		50	27	50	100	3000	6000	3000	2700
		60	27	50	100	3000	6000	3000	2700
		70	27	50	100	3000	6000	3000	2700
		80	27	50	100	3000	6000	3000	2700
		90	18	35	80	3000	6000	3000	2700
		100	18	35	80	3000	6000	3000	2700

Frame size	Stage	Ratio	※8 Maximum radial load [N]	※9 Maximum axial load [N]	※10 Weight [kg]	Moment of inertia (≦φ8) [kgcm^2]	Moment of inertia (≦φ14) [kgcm^2]	Moment of inertia (≦φ19) [kgcm^2]
060B	Single	3	3000	2700	1.6	0.15	0.23	0.44
		4	3000	2700		0.10	0.18	0.39
		5	3000	2700		0.080	0.16	0.37
		6	3000	2700		0.070	0.15	0.36
		7	3000	2700		0.064	0.14	0.35
		8	3000	2700		0.060	0.14	0.35
		9	3000	2700		0.058	0.14	0.35
		10	3000	2700		0.056	0.14	0.34
	Double	15	3000	2700	1.8	0.055	0.14	–
		16	3000	2700		0.057	0.14	–
		20	3000	2700		0.054	0.13	–
		25	3000	2700		0.053	0.13	–
		28	3000	2700		0.055	0.14	–
		30	3000	2700		0.049	0.13	–
		35	3000	2700		0.053	0.13	–
		40	3000	2700		0.049	0.13	–
		45	3000	2700		0.053	0.13	–
		50	3000	2700		0.049	0.13	–
		60	3000	2700		0.049	0.13	–
		70	3000	2700		0.049	0.13	–
		80	3000	2700		0.049	0.13	–
		90	3000	2700		0.049	0.13	–
		100	3000	2700		0.049	0.13	–

※ 1 With nominal input speed, service life is 20,000 hours.
※ 2 The maximum torque when starting and stopping.
※ 3 The maximum torque when it receives shock (up to 1,000 times)
※ 4 The maximum average input speed.
※ 5 The maximum momentary input speed.
※ 6 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output shaft center, at axial load 0)
※ 7 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output side bearing, at radial load 0)
※ 8 The maximum radial load the reducer can accept.
※ 9 The maximum axial load the reducer can accept.
※10 The weight may vary slightly model to model.

VRS-075B

Frame size	Stage	Ratio	※1 Nominal output torque [Nm]	※2 Maximum output torque [Nm]	※3 Emergency stop torque [Nm]	※4 Nominal input speed [rpm]	※5 Maximum input speed [rpm]	※6 Permitted radial load [N]	※7 Permitted axial load [N]
075B	Single	3	50	80	200	3000	6000	2300	3400
		4	75	125	250	3000	6000	2500	3700
		5	75	125	250	3000	6000	2700	3900
		6	75	125	250	3000	6000	2800	3900
		7	75	125	250	3000	6000	3000	3900
		8	75	125	250	3000	6000	3100	3900
		9	50	80	200	3000	6000	3200	3900
		10	50	80	200	3000	6000	3300	3900
	Double	15	50	80	200	3000	6000	3700	3900
		16	75	125	250	3000	6000	3800	3900
		20	75	125	250	3000	6000	4000	3900
		25	75	125	250	3000	6000	4300	3900
		28	75	125	250	3000	6000	4300	3900
		30	50	80	200	3000	6000	4300	3900
		35	75	125	250	3000	6000	4300	3900
		40	75	125	250	3000	6000	4300	3900
		45	50	80	200	3000	6000	4300	3900
		50	75	125	250	3000	6000	4300	3900
		60	75	125	250	3000	6000	4300	3900
		70	75	125	250	3000	6000	4300	3900
		80	75	125	250	3000	6000	4300	3900
		90	50	80	200	3000	6000	4300	3900
		100	50	80	200	3000	6000	4300	3900

Frame size	Stage	Ratio	※8 Maximum radial load [N]	※9 Maximum axial load [N]	※10 Weight [kg]	Moment of inertia (≦φ8) [kgcm^2]	Moment of inertia (≦φ14) [kgcm^2]	Moment of inertia (≦φ19) [kgcm^2]	Moment of inertia (≦φ28) [kgcm^2]
075B	Single	3	4300	3900	3.4	–	0.67	1.1	3.1
		4	4300	3900		–	0.47	0.93	2.9
		5	4300	3900		–	0.38	0.85	2.9
		6	4300	3900		–	0.34	0.81	2.8
		7	4300	3900		–	0.31	0.78	2.8
		8	4300	3900		–	0.30	0.76	2.8
		9	4300	3900		–	0.29	0.75	2.8
		10	4300	3900		–	0.29	0.75	2.8
	Double	15	4300	3900	3.8	0.13	0.28	0.72	–
		16	4300	3900		0.14	0.30	0.73	–
		20	4300	3900		0.13	0.28	0.72	–
		25	4300	3900		0.12	0.28	0.71	–
		28	4300	3900		0.14	0.29	0.73	–
		30	4300	3900		0.099	0.25	0.70	–
		35	4300	3900		0.12	0.27	0.71	–
		40	4300	3900		0.098	0.25	0.69	–
		45	4300	3900		0.12	0.27	0.71	–
		50	4300	3900		0.098	0.25	0.69	–
		60	4300	3900		0.098	0.25	0.69	–
		70	4300	3900		0.097	0.25	0.69	–
		80	4300	3900		0.097	0.25	0.69	–
		90	4300	3900		0.097	0.25	0.69	–
		100	4300	3900		0.097	0.25	0.69	–

※ 1 With nominal input speed, service life is 20,000 hours.
※ 2 The maximum torque when starting and stopping.
※ 3 The maximum torque when it receives shock (up to 1,000 times)
※ 4 The maximum average input speed.
※ 5 The maximum momentary input speed.
※ 6 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output shaft center, at axial load 0)
※ 7 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output side bearing, at radial load 0)
※ 8 The maximum radial load the reducer can accept.
※ 9 The maximum axial load the reducer can accept.
※10 The weight may vary slightly model to model.

Performance table

VRS-100B

Frame size	Stage	Ratio	※1 Nominal output torque [Nm]	※2 Maximum output torque [Nm]	※3 Emergency stop torque [Nm]	※4 Nominal input speed [rpm]	※5 Maximum input speed [rpm]	※6 Permitted radial load [N]	※7 Permitted axial load [N]
100B	Single	3	120	225	500	3000	6000	3400	4800
		4	120	330	625	3000	6000	3700	5200
		5	180	330	625	3000	6000	4000	5600
		6	180	330	625	3000	6000	4200	5900
		7	180	330	625	3000	6000	4400	6100
		8	180	330	625	3000	6000	4600	6300
		9	120	225	500	3000	6000	4800	6300
		10	120	225	500	3000	6000	4900	6300
	Double	15	120	225	500	3000	6000	5600	6300
		16	180	330	625	3000	6000	5700	6300
		20	180	330	625	3000	6000	6100	6300
		25	180	330	625	3000	6000	6500	6300
		28	180	330	625	3000	6000	6700	6300
		30	120	225	500	3000	6000	6900	6300
		35	180	330	625	3000	6000	7000	6300
		40	180	330	625	3000	6000	7000	6300
		45	120	225	500	3000	6000	7000	6300
		50	180	330	625	3000	6000	7000	6300
		60	180	330	625	3000	6000	7000	6300
		70	180	330	625	3000	6000	7000	6300
		80	180	330	625	3000	6000	7000	6300
		90	120	225	500	3000	6000	7000	6300
		100	120	225	500	3000	6000	7000	6300

Frame size	Stage	Ratio	※8 Maximum radial load [N]	※9 Maximum axial load [N]	※10 Weight [kg]	Moment of inertia (≦φ14) [kgcm^2]	Moment of inertia (≦φ19) [kgcm^2]	Moment of inertia (≦φ28) [kgcm^2]	Moment of inertia (≦φ38) [kgcm^2]
100B	Single	3	7000	6300	8.1	–	3.2	5.2	13
		4	7000	6300		–	2.0	4.0	12
		5	7000	6300		–	1.5	3.6	11
		6	7000	6300		–	1.3	3.3	11
		7	7000	6300		–	1.1	3.1	11
		8	7000	6300		–	1.0	3.0	11
		9	7000	6300		–	0.96	3.0	11
		10	7000	6300		–	0.93	3.0	11
	Double	15	7000	6300	8.8	0.42	0.86	2.8	–
		16	7000	6300		0.48	0.91	2.9	–
		20	7000	6300		0.40	0.83	2.8	–
		25	7000	6300		0.38	0.82	2.8	–
		28	7000	6300		0.44	0.87	2.8	–
		30	7000	6300		0.29	0.74	2.7	–
		35	7000	6300		0.37	0.81	2.7	–
		40	7000	6300		0.28	0.73	2.7	–
		45	7000	6300		0.37	0.80	2.7	–
		50	7000	6300		0.28	0.73	2.7	–
		60	7000	6300		0.28	0.73	2.7	–
		70	7000	6300		0.28	0.73	2.7	–
		80	7000	6300		0.28	0.73	2.7	–
		90	7000	6300		0.27	0.73	2.7	–
		100	7000	6300		0.27	0.73	2.7	–

※ 1 With nominal input speed, service life is 20,000 hours.
※ 2 The maximum torque when starting and stopping.
※ 3 The maximum torque when it receives shock (up to 1,000 times)
※ 4 The maximum average input speed.
※ 5 The maximum momentary input speed.
※ 6 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output shaft center, at axial load 0)
※ 7 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output side bearing, at radial load 0)
※ 8 The maximum radial load the reducer can accept.
※ 9 The maximum axial load the reducer can accept.
※10 The weight may vary slightly model to model.

VRS-140B

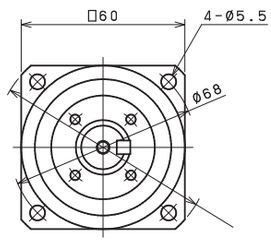
Frame size	Stage	Ratio	※1 Nominal output torque [Nm]	※2 Maximum output torque [Nm]	※3 Emergency stop torque [Nm]	※4 Nominal input speed [rpm]	※5 Maximum input speed [rpm]	※6 Permitted radial load [N]	※7 Permitted axial load [N]
140B	Single	3	240	470	1000	2000	4000	6700	9000
		4	240	700	1250	2000	4000	7400	9000
		5	360	700	1250	2000	4000	7900	9000
		6	360	700	1250	2000	4000	8300	9000
		7	360	700	1250	2000	4000	8700	9000
		8	360	700	1250	2000	4000	9100	9000
		9	240	470	1000	2000	4000	9400	9000
		10	240	470	1000	2000	4000	9700	9000
	Double	15	240	470	1000	2000	4000	10000	9000
		16	360	700	1250	2000	4000	10000	9000
		20	360	700	1250	2000	4000	10000	9000
		25	360	700	1250	2000	4000	10000	9000
		28	360	700	1250	2000	4000	10000	9000
		30	240	470	1000	2000	4000	10000	9000
		35	360	700	1250	2000	4000	10000	9000
		40	360	700	1250	2000	4000	10000	9000
		45	240	470	1000	2000	4000	10000	9000
		50	360	700	1250	2000	4000	10000	9000
		60	360	700	1250	2000	4000	10000	9000
		70	360	700	1250	2000	4000	10000	9000
		80	360	700	1250	2000	4000	10000	9000
		90	240	470	1000	2000	4000	10000	9000
		100	240	470	1000	2000	4000	10000	9000

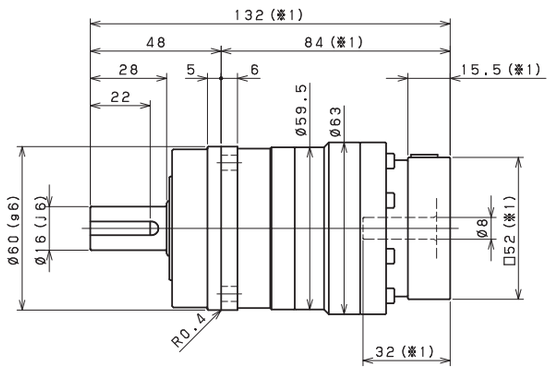
Frame size	Stage	Ratio	※8 Maximum radial load [N]	※9 Maximum axial load [N]	※10 Weight [kg]	Moment of inertia (≦φ19) [kgcm^2]	Moment of inertia (≦φ28) [kgcm^2]	Moment of inertia (≦φ38) [kgcm^2]	Moment of inertia (≦φ48) [kgcm^2]
140B	Single	3	10000	9000	17	–	12	20	42
		4	10000	9000		–	7.4	15	37
		5	10000	9000		–	5.8	13	36
		6	10000	9000		–	4.9	13	35
		7	10000	9000		–	4.1	12	34
		8	10000	9000		–	3.8	12	34
		9	10000	9000		–	3.6	11	34
		10	10000	9000		–	3.4	11	33
	Double	15	10000	9000	19	1.3	3.2	11	–
		16	10000	9000		1.5	3.5	11	–
		20	10000	9000		1.2	3.1	11	–
		25	10000	9000		1.1	3.1	11	–
		28	10000	9000		1.4	3.3	11	–
		30	10000	9000		0.85	2.8	10	–
		35	10000	9000		1.1	3.1	11	–
		40	10000	9000		0.83	2.8	10	–
		45	10000	9000		1.1	3.0	11	–
		50	10000	9000		0.81	2.8	10	–
		60	10000	9000		0.81	2.8	10	–
		70	10000	9000		0.80	2.8	10	–
		80	10000	9000		0.80	2.8	10	–
		90	10000	9000		0.80	2.8	10	–
		100	10000	9000		0.80	2.8	10	–

※ 1 With nominal input speed, service life is 20,000 hours.
※ 2 The maximum torque when starting and stopping.
※ 3 The maximum torque when it receives shock (up to 1,000 times)
※ 4 The maximum average input speed.
※ 5 The maximum momentary input speed.
※ 6 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output shaft center, at axial load 0)
※ 7 With this load and nominal input speed, service life will be 20,000 hours.
(Applied to the output side bearing, at radial load 0)
※ 8 The maximum radial load the reducer can accept.
※ 9 The maximum axial load the reducer can accept.
※10 The weight may vary slightly model to model.

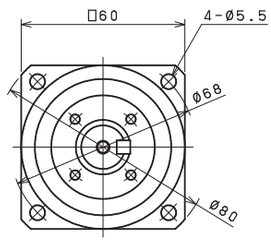
VRS-060B 1stage

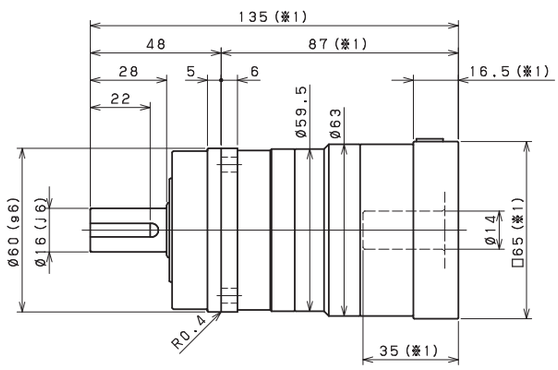
Input shaft bore ≦ϕ8



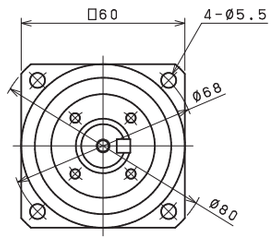


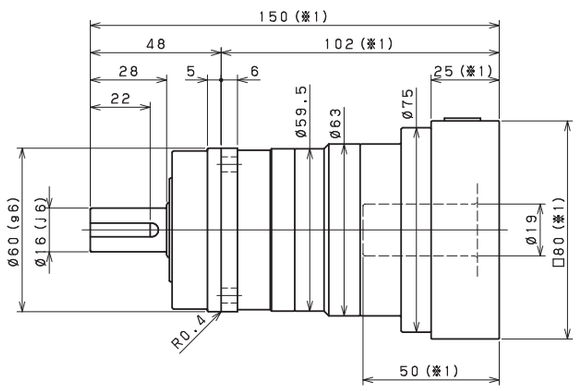
Input shaft bore ≦ϕ14

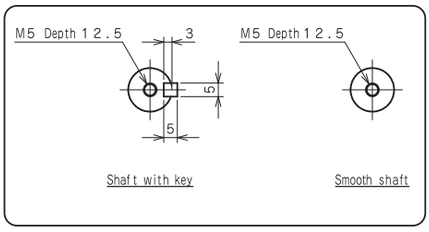




Input shaft bore ≦ϕ19



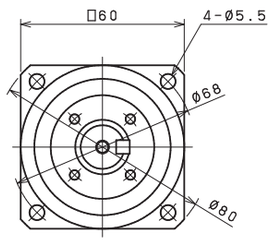


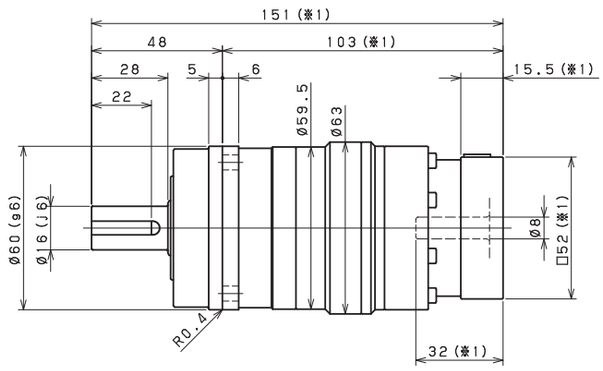


※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

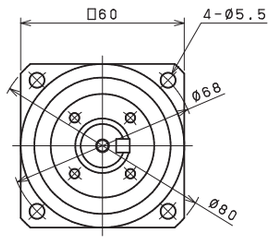
VRS-060B 2stage

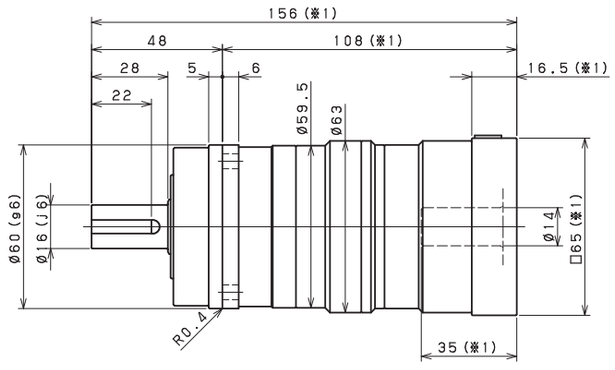
Input shaft bore ≦φ8

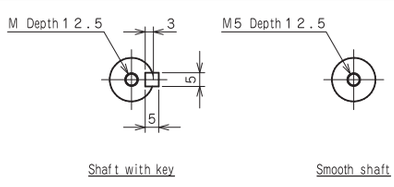




Input shaft bore ≦φ14



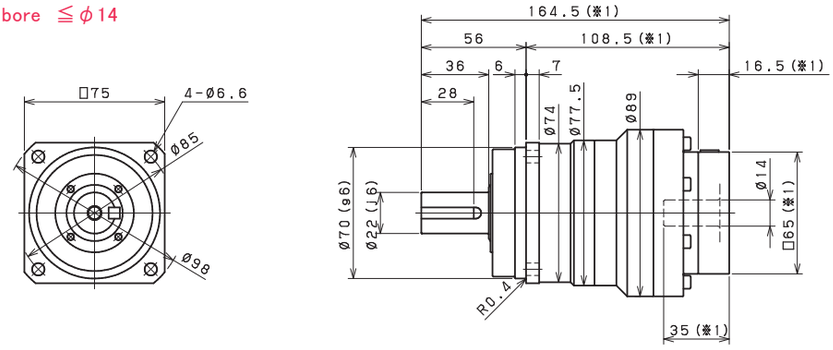




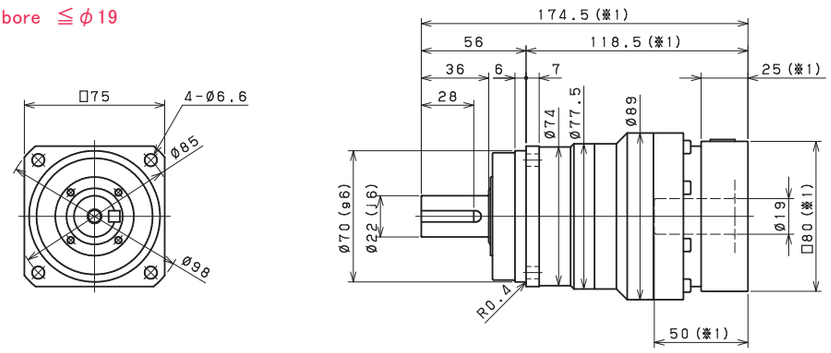
※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

VRS-075B 1stage

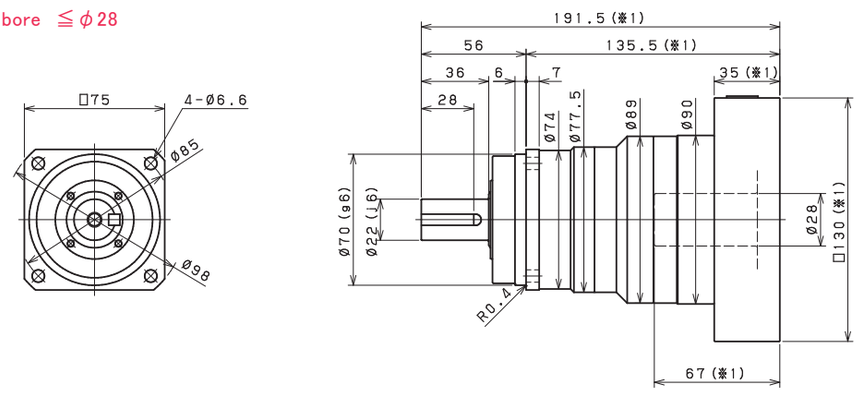
Input shaft bore ≦ϕ14

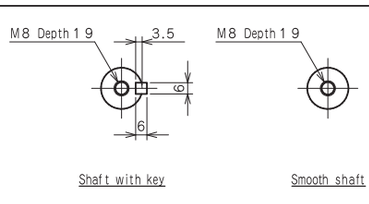


Input shaft bore ≦ϕ19



Input shaft bore ≦ϕ28

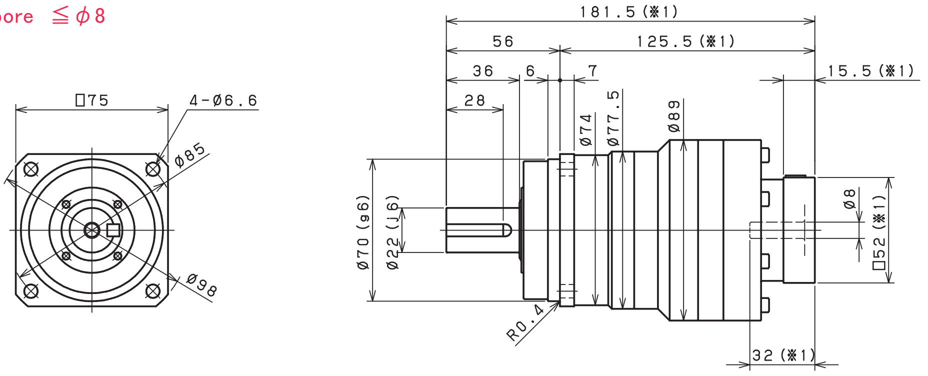




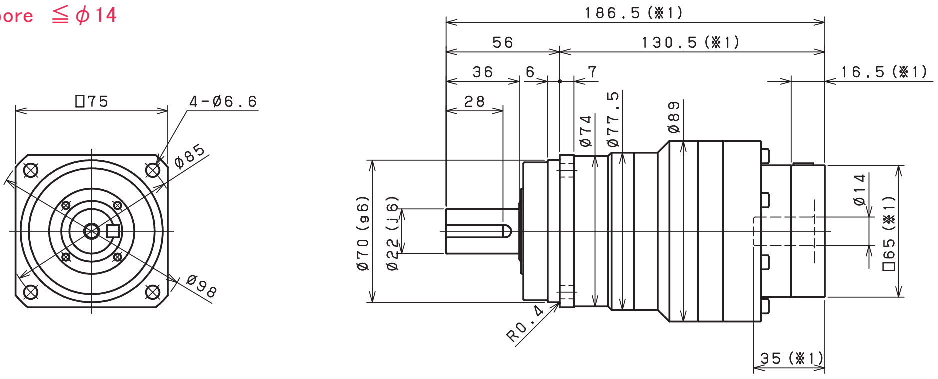
※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

VRS-075B 2stage

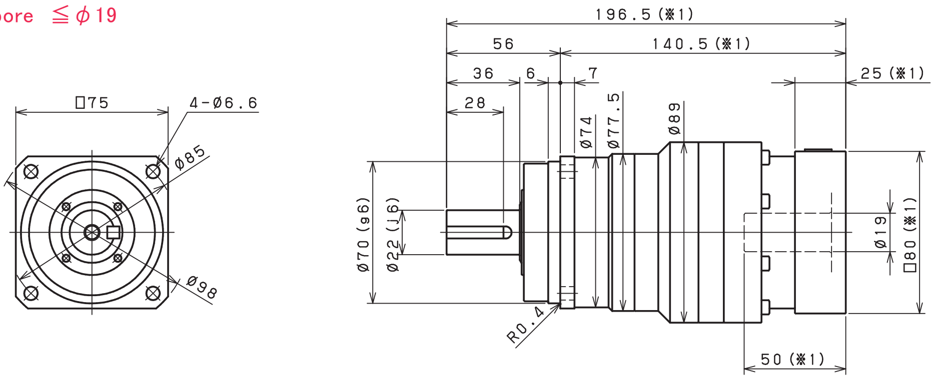
Input shaft bore ≦ ϕ 8

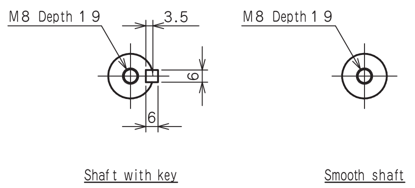


Input shaft bore ≦ ϕ 14



Input shaft bore ≦ ϕ 19

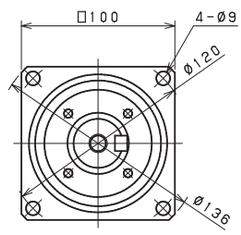


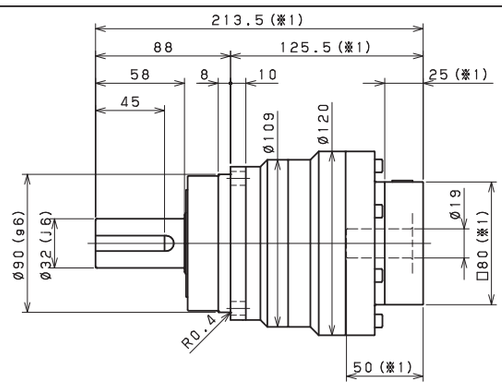


※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

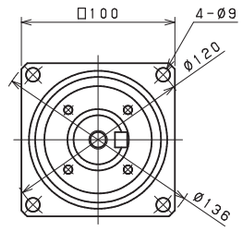
VRS-100B 1stage

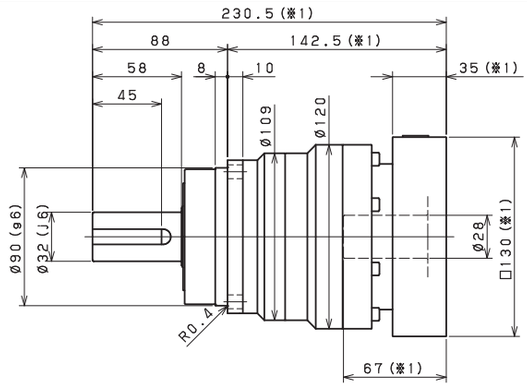
Input shaft bore ≦ϕ19



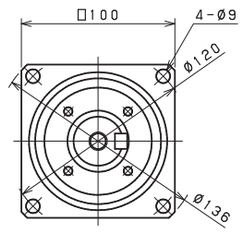


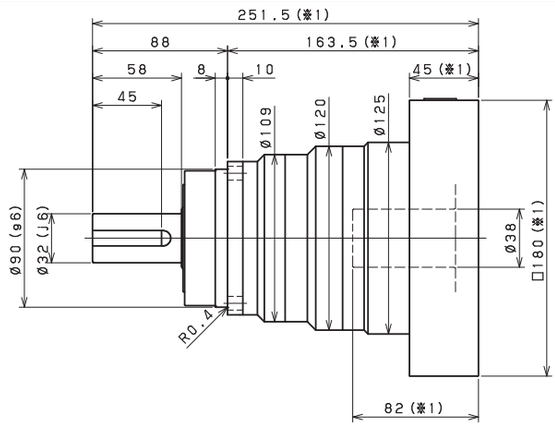
Input shaft bore ≦ϕ28

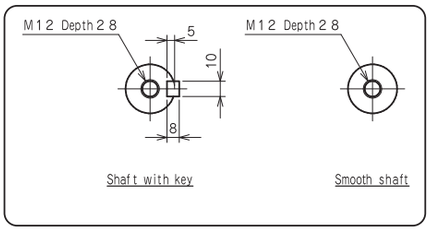




Input shaft bore ≦ϕ38



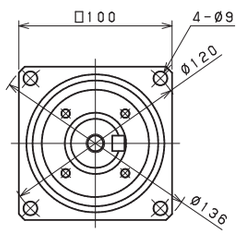


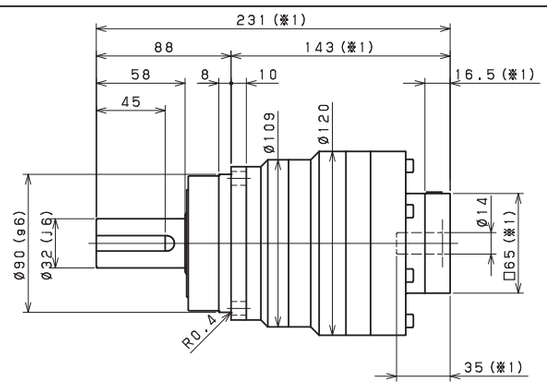


※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

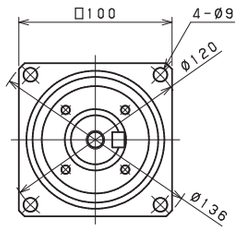
VRS-100B 2stage

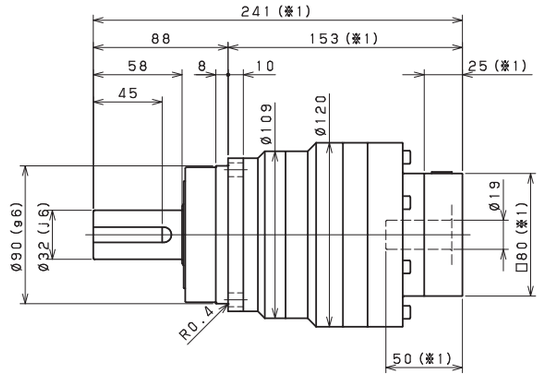
Input shaft bore ≦φ14



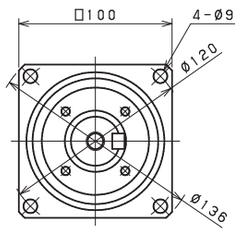


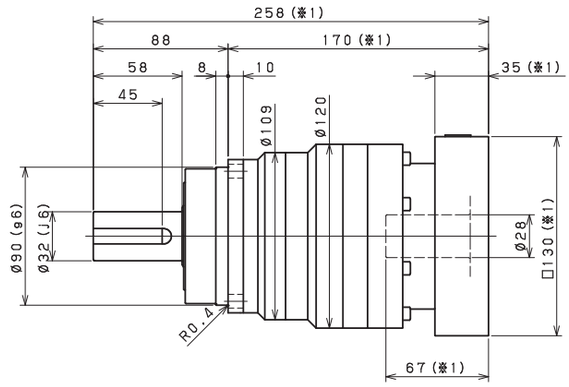
Input shaft bore ≦φ19

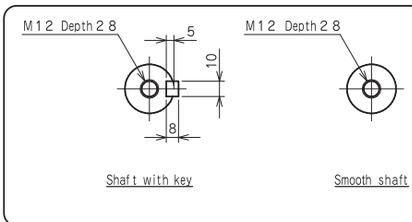




Input shaft bore ≦φ28



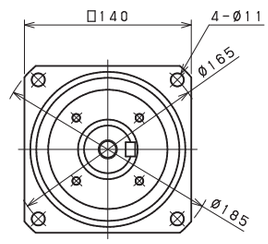


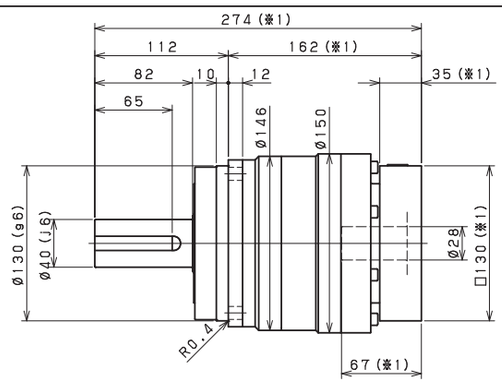


※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

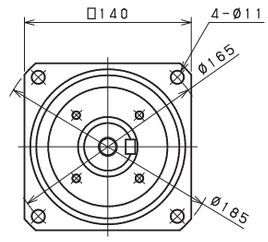
VRS-140B 1stage

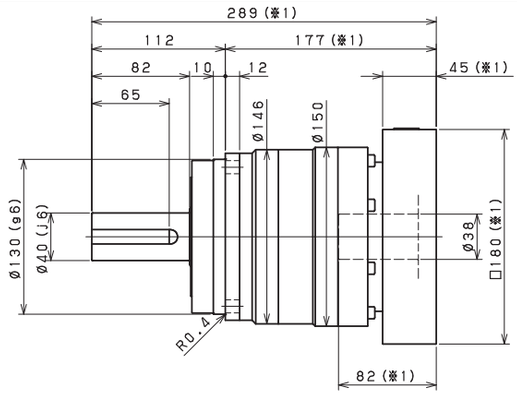
Input shaft bore ≦ϕ28



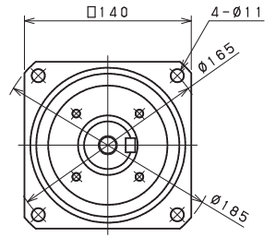


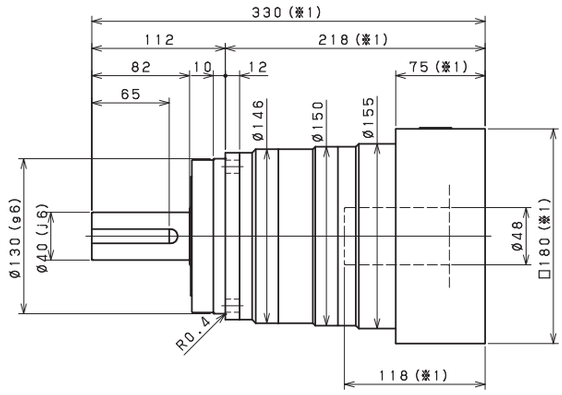
Input shaft bore ≦ϕ38

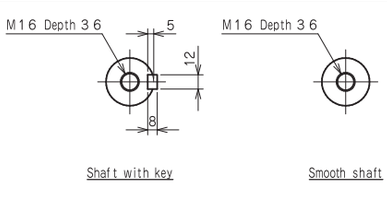




Input shaft bore ≦ϕ48



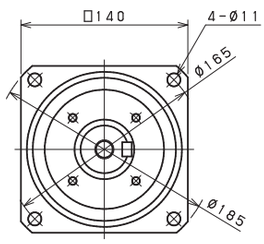


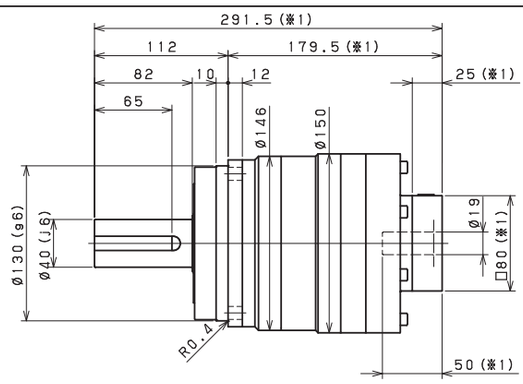


※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

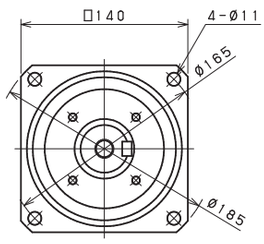
VRS-140B 2stage

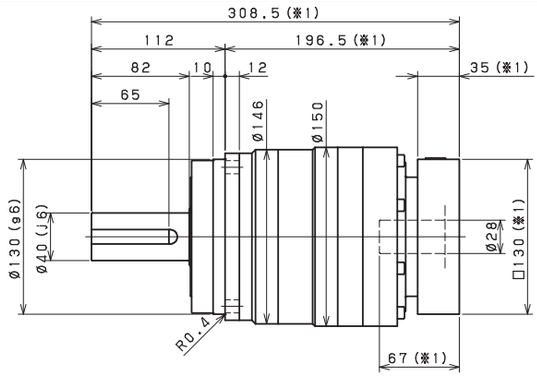
Input shaft bore ≦ϕ19



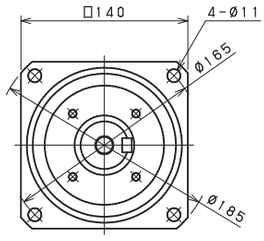


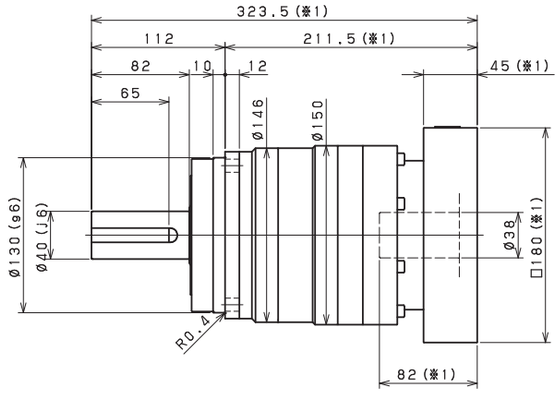
Input shaft bore ≦ϕ28

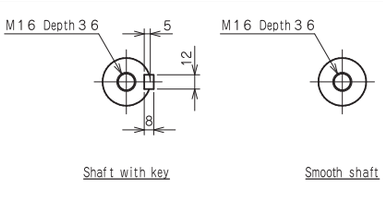




Input shaft bore ≦ϕ38



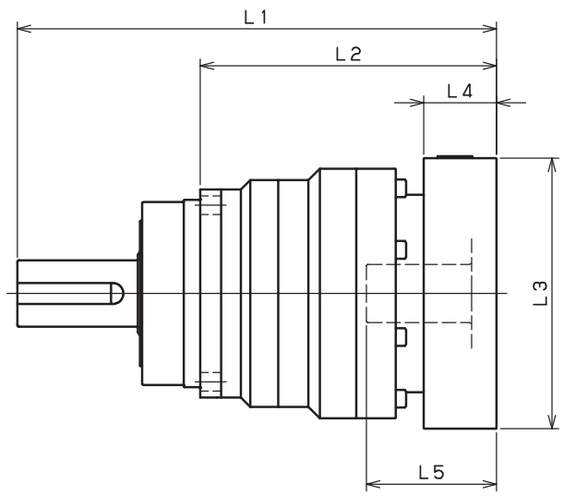




※1 Length will vary depending on motor.
※2 Bushing will be inserted to adapt to motor shaft.

Dimensions（Adapter）

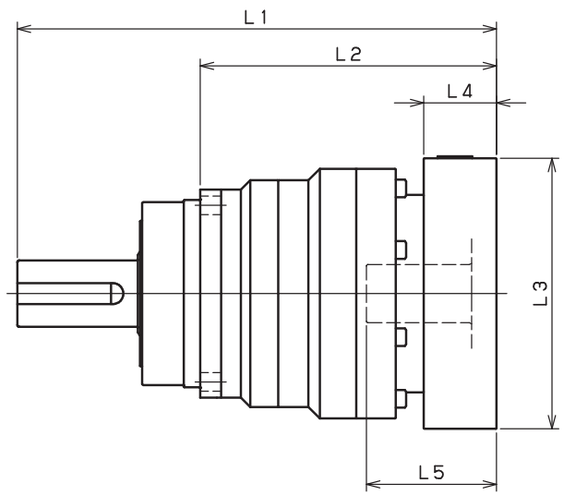
VRS-060B



Model number	**: Adapter code	Single					Double				
		L1	L2	L3	L4	L5	L1	L2	L3	L4	L5
VRS-060B-□-□-8** (Input shaft bore ≦ φ8)	AA・AC・AD・AF・AG	132	84	□52	15.5	32	151	103	□52	15.5	32
	AB・AE・AH・AJ・AK	137	89	□52	20.5	37	156	108	□52	20.5	37
	BA・BB・BD・BE	132	84	□60	15.5	32	151	103	□60	15.5	32
	BC・BF	137	89	□60	20.5	37	156	108	□60	20.5	37
	CA	137	89	□70	20.5	37	156	108	□70	20.5	37
VRS-060B-□-□-14** (Input shaft bore≦ φ14)	BA・BB・BD・BE・BF・BG・BJ・BK	135	87	□65	16.5	35	156	108	□65	16.5	35
	BC・BH	140	92	□65	21.5	40	161	113	□65	21.5	40
	BL	145	97	□65	26.5	45	166	118	□65	26.5	45
	CA	135	87	□70	16.5	35	156	108	□70	16.5	35
	CB	140	92	□70	21.5	40	161	113	□70	21.5	40
	DA・DB・DC・DD・DF・DH	135	87	□80	16.5	35	156	108	□80	16.5	35
	DE	140	92	□80	21.5	40	161	113	□80	21.5	40
	DG	145	97	□80	26.5	45	166	118	□80	26.5	45
	EA・EB・EC	135	87	□90	16.5	35	156	108	□90	16.5	35
	ED	145	97	□90	26.5	45	166	118	□90	26.5	45
	FA	135	87	□100	16.5	35	156	108	□100	16.5	35
	GA	135	87	□115	16.5	35	156	108	□115	16.5	35
VRS-060B-□-□-19** (Input shaft bore≦ φ19)	DA・DB・DC	150	102	□80	25	50					
	DD	160	112	□80	35	60					
	DE	155	107	□80	30	55					
	EA	155	107	□90	30	55					
	EB	150	102	□90	25	50					
	EC	160	112	□90	35	60					
	FA	150	102	□100	25	50					
	FB	160	112	□100	35	60					
	GA・GC	155	107	□115	30	55					
	GB・GD	150	102	□115	25	50					
	HA	150	102	□130	25	50					
	HB	165	117	□130	40	65					
	HC・HD・HE	155	107	□130	30	55					

※1 Single reduction : 1/3～1/10, Double reduction : 1/15～1/100
※2 Bushing will be inserted to adapt to motor shaft.

VRS-075B

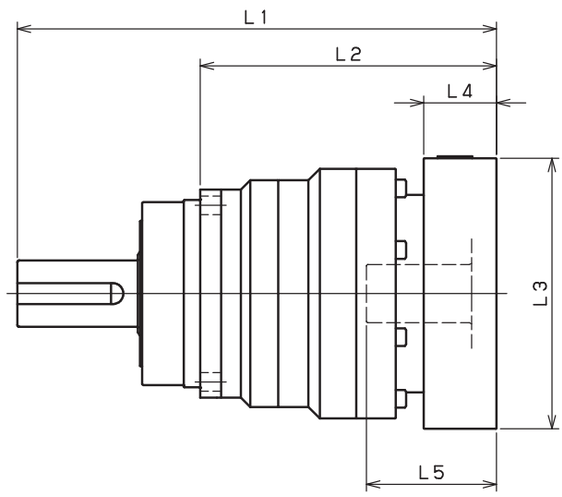


Model number	**: Adapter code	Single					Double				
		L1	L2	L3	L4	L5	L1	L2	L3	L4	L5
VRS-075B-□-□-8** (Input shaft bore ≦ φ8)	AA・AC・AD・AF・AG						181.5	125.5	□52	15.5	32
	AB・AE・AH・AJ・AK						186.5	130.5	□52	20.5	37
	BA・BB・BD・BE						181.5	125.5	□60	15.5	32
	BC・BF						186.5	130.5	□60	20.5	37
	CA						186.5	130.5	□70	20.5	37
VRS-075B-□-□-14** (Input shaft bore≦ φ14)	BA・BB・BD・BE・BF・BG・BJ・BK	164.5	108.5	□65	16.5	35	186.5	130.5	□65	16.5	35
	BC・BH	169.5	113.5	□65	21.5	40	191.5	135.5	□65	21.5	40
	BL	174.5	118.5	□65	26.5	45	196.5	140.5	□65	26.5	45
	CA	164.5	108.5	□70	16.5	35	186.5	130.5	□70	16.5	35
	CB	169.5	113.5	□70	21.5	40	191.5	135.5	□70	21.5	40
	DA・DB・DC・DD・DF・DH	164.5	108.5	□80	16.5	35	186.5	130.5	□80	16.5	35
	DE	169.5	113.5	□80	21.5	40	191.5	135.5	□80	21.5	40
	DG	174.5	118.5	□80	26.5	45	196.5	140.5	□80	26.5	45
	EA・EB・EC	164.5	108.5	□90	16.5	35	186.5	130.5	□90	16.5	35
	ED	174.5	118.5	□90	26.5	45	196.5	140.5	□90	26.5	45
	FA	164.5	108.5	□100	16.5	35	186.5	130.5	□100	16.5	35
	GA	164.5	108.5	□115	16.5	35	186.5	130.5	□115	16.5	35
VRS-075B-□-□-19** (Input shaft bore≦ φ19)	DA・DB・DC	174.5	118.5	□80	25	50	196.5	140.5	□80	25	50
	DD	184.5	128.5	□80	35	60	206.5	150.5	□80	35	60
	DE	179.5	123.5	□80	30	55	201.5	145.5	□80	30	55
	EA	179.5	123.5	□90	30	55	201.5	145.5	□90	30	55
	EB	174.5	118.5	□90	25	50	196.5	140.5	□90	25	50
	EC	184.5	128.5	□90	35	60	206.5	150.5	□90	35	60
	FA	174.5	118.5	□100	25	50	196.5	140.5	□100	25	50
	FB	184.5	128.5	□100	35	60	206.5	150.5	□100	35	60
	GA・GC	179.5	123.5	□115	30	55	201.5	145.5	□115	30	55
	GB・GD	174.5	118.5	□115	25	50	196.5	140.5	□115	25	50
	HA	174.5	118.5	□130	25	50	196.5	140.5	□130	25	50
	HB	189.5	133.5	□130	40	65	211.5	155.5	□130	40	65
	HC・HD・HE	179.5	123.5	□130	30	55	201.5	145.5	□130	30	55
VRS-075B-□-□-28** (Input shaft bore≦ φ28)	FA・FB・FC	191.5	135.5	□100	35	67					
	GA・GB・GC・GD・GE・GF・GG	191.5	135.5	□115	35	67					
	HA・HC・HD	191.5	135.5	□130	35	67					
	HB	201.5	145.5	□130	45	77					
	JA・JB・JC	191.5	135.5	□150	35	67					
	KA・KB	191.5	135.5	□180	35	67					
	LA	191.5	135.5	□200	35	67					
	MA	191.5	135.5	□220	35	67					

※1 Single reduction : 1/3～1/10, Double reduction : 1/15～1/100
※2 Bushing will be inserted to adapt to motor shaft.

Dimensions（Adapter）

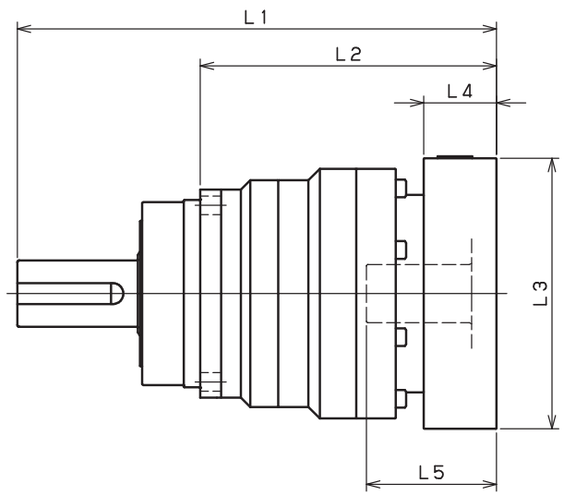
VRS-100B



Model number	**: Adapter code	Single					Double				
		L1	L2	L3	L4	L5	L1	L2	L3	L4	L5
VRS-100B-□-□-14** (Input shaft bore≦φ14)	BA・BB・BD・BE・BF・BG・BJ・BK						231	143	□65	16.5	35
	BC・BH						236	148	□65	21.5	40
	BL						241	153	□65	26.5	45
	CA						231	143	□70	16.5	35
	CB						236	148	□70	21.5	40
	DA・DB・DC・DD・DF・DH						231	143	□80	16.5	35
	DE						236	148	□80	21.5	40
	DG						241	153	□80	26.5	45
	EA・EB・EC						231	143	□90	16.5	35
	ED						241	153	□90	26.5	45
	FA						231	143	□100	16.5	35
	GA						231	143	□115	16.5	35
VRS-100B-□-□-19** (Input shaft bore≦φ19)	DA・DB・DC	213.5	125.5	□80	25	50	241	153	□80	25	50
	DD	223.5	135.5	□80	35	60	251	163	□80	35	60
	DE	218.5	130.5	□80	30	55	246	158	□80	30	55
	EA	218.5	130.5	□90	30	55	246	158	□90	30	55
	EB	213.5	125.5	□90	25	50	241	153	□90	25	50
	EC	223.5	135.5	□90	35	60	251	163	□90	35	60
	FA	213.5	125.5	□100	25	50	241	153	□100	25	50
	FB	223.5	135.5	□100	35	60	251	163	□100	35	60
	GA・GC	218.5	130.5	□115	30	55	246	158	□115	30	55
	GB・GD	213.5	125.5	□115	25	50	241	153	□115	25	50
	HA	213.5	125.5	□130	25	50	241	153	□130	25	50
	HB	228.5	140.5	□130	40	65	256	168	□130	40	65
	HC・HD・HE	218.5	130.5	□130	30	55	246	158	□130	30	55
VRS-100B-□-□-28** (Input shaft bore≦φ28)	FA・FB・FC	230.5	142.5	□100	35	67	258	170	□100	35	67
	GA・GB・GC・GD・GE・GF・GG	230.5	142.5	□115	35	67	258	170	□115	35	67
	HA・HC・HD	230.5	142.5	□130	35	67	258	170	□130	35	67
	HB	240.5	152.5	□130	45	77	268	180	□130	45	77
	JA・JB・JC	230.5	142.5	□150	35	67	258	170	□150	35	67
	KA・KB	230.5	142.5	□180	35	67	258	170	□180	35	67
	LA	230.5	142.5	□200	35	67	258	170	□200	35	67
	MA	230.5	142.5	□220	35	67	258	170	□220	35	67
VRS-100B-□-□-38** (Input shaft bore≦φ38)	HA	251.5	163.5	□130	45	82					
	HB	246.5	158.5	□130	40	77					
	JA	251.5	163.5	□150	45	82					
	KA・KB・KC	251.5	163.5	□180	45	82					
	LA	251.5	163.5	□200	45	82					
	LB	261.5	173.5	□200	55	92					
	MA・MB	251.5	163.5	□220	45	82					
	NA	251.5	163.5	□250	45	82					

※1 Single reduction : 1/3～1/10, Double reduction : 1/15～1/100
※2 Bushing will be inserted to adapt to motor shaft.

VRS-140B



Model number	**: Adapter code	Single					Double				
		L1	L2	L3	L4	L5	L1	L2	L3	L4	L5
VRS-140B-□-□-19** (Input shaft bore≦φ19)	DA・DB・DC						291.5	179.5	□80	25	50
	DD						301.5	189.5	□80	35	60
	DE						296.5	184.5	□80	30	55
	EA						296.5	184.5	□90	30	55
	EB						291.5	179.5	□90	25	50
	EC						301.5	189.5	□90	35	60
	FA						291.5	179.5	□100	25	50
	FB						301.5	189.5	□100	35	60
	GA・GC						296.5	184.5	□115	30	55
	GB・GD						291.5	179.5	□115	25	50
	HA						291.5	179.5	□130	25	50
	HB						306.5	194.5	□130	40	65
	HC・HD・HE						296.5	184.5	□130	30	55
VRS-140B-□-□-28** (Input shaft bore≦φ28)	FA・FB・FC	274	162	□100	35	67	308.5	196.5	□100	35	67
	GA・GB・GC・GD・GE・GF・GG	274	162	□115	35	67	308.5	196.5	□115	35	67
	HA・HC・HD	274	162	□130	35	67	308.5	196.5	□130	35	67
	HB	284	172	□130	45	77	318.5	206.5	□130	45	77
	JA・JB・JC	274	162	□150	35	67	308.5	196.5	□150	35	67
	KA・KB	274	162	□180	35	67	308.5	196.5	□180	35	67
	LA	274	162	□200	35	67	308.5	196.5	□200	35	67
	MA	274	162	□220	35	67	308.5	196.5	□220	35	67
VRS-140B-□-□-38** (Input shaft bore≦φ38)	HA	289	177	□130	45	82	323.5	211.5	□130	45	82
	HB	284	172	□130	40	77	318.5	206.5	□130	40	77
	JA	289	177	□150	45	82	323.5	211.5	□150	45	82
	KA・KB・KC	289	177	□180	45	82	323.5	211.5	□180	45	82
	LA	289	177	□200	45	82	323.5	211.5	□200	45	82
	LB	299	187	□200	55	92	333.5	221.5	□200	55	92
	MA・MB	289	177	□220	45	82	323.5	211.5	□220	45	82
	NA	289	177	□250	45	82	323.5	211.5	□250	45	82
VRS-140B-□-□-48** (Input shaft bore≦φ48)	KB・KC	310	198	□180	55	98					
	KA	330	218	□180	75	118					
	LA	310	198	□200	55	98					
	MA	310	198	□220	55	98					
	MB	330	218	□220	75	118					
	NA	330	218	□250	75	118					
	PA	330	218	□280	75	118					

※1 Single reduction : 1/3～1/10, Double reduction : 1/15～1/100
※2 Bushing will be inserted to adapt to motor shaft.