

Servo Motor Adaptors

The SE Encore series of worm gear speed reducers offers round and square flanged servo adaptors. The oversized adaptor flange design can be modified for most servo motors available in the market. The outline drawings in this section show minimum and maximum base adaptor dimensions. The flange perimeter (BD) and register (AK) are machined to the specific motor interface dimensions. The actual motor mounting dimensions are required when specifying this servo adaptor flange. The servo adaptor design generally uses a coupling connection between the servo motor shaft and the input shaft of the reducer. If the servo motor flange dimensions exceed those shown, contact Winsmith for the required adaptor spacer.

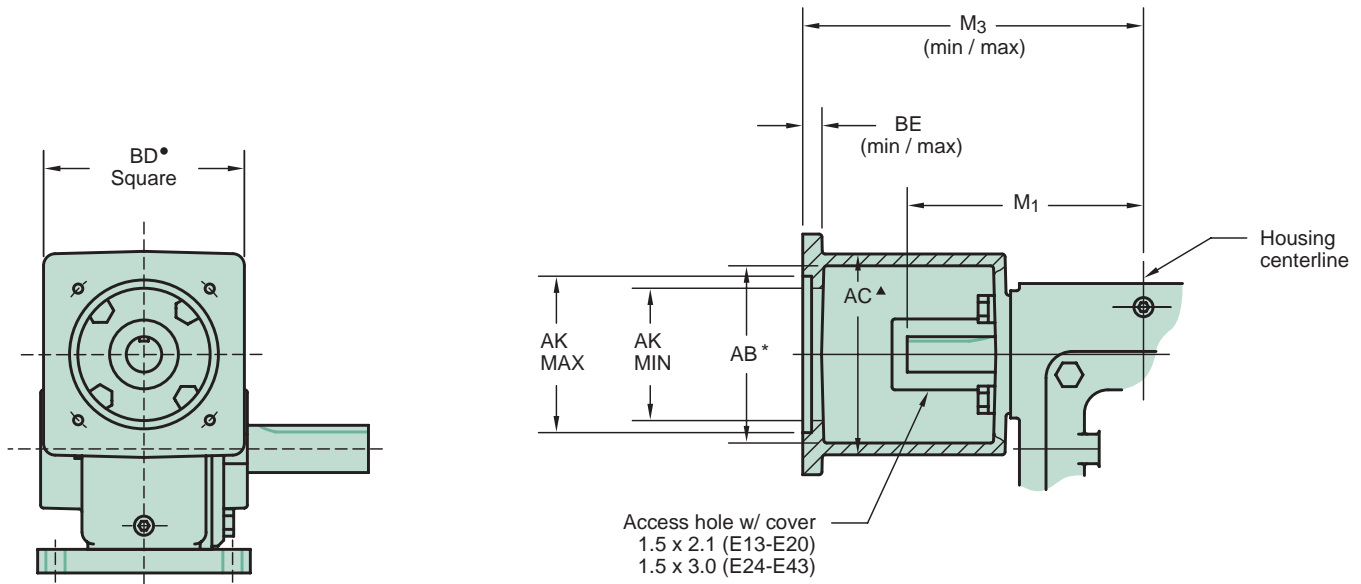


Commonly Available Servo Motor Suppliers

ABB	Cincinnati Milacron	Fenner	Infranor	Ragonot
AEG	CMC	Festo	Isoflux	Reliance Electric
Allen Bradley	Control Techniques	Fimet	Japan Servo	Seiberco
Alltel	Cool Muscle	Fuji	Kollmorgen Inland	SEM
Alsthom	Daewoo	Fukuta	Magnetek Mavilor	Servo Products
Anilam	Danaher	GE Fanuc	Minertia	Servotek
Axor	Drive Tech	GEC	Mitsubishi	Siemens
B&R	Dynetic	Getty	Modicon	Sigma
Baldor	EG&G	Giddings & Lewis	Moog	Stober
Baumuller	ElectroCraft Emerson	Glentech	MFM	Superior Electric
Bautz	Emoteq	Goldline	Omron	Toshiba
Beckhoff	Eurotherm	Gould	Pacific Scientific	Whedco
Berger Lahr	EW HOF	Groschopp	Parvex	Vexta
Bosch	Exlar	Hitachi	Peerless-Winsmith	Vickers
Bridgeport	Fabbrica	Indramat Bosch	PMI	Yaskawa
Brusatori	Fanuc	Industrial Drives	Porter Peerless	
C-Jac	Faulhaber	Industrial Motors	QMC	



Servo Motor Adaptor Capability - Square Face



SERVO MOTOR ADAPTOR DIMENSION CAPABILITIES, SQUARE FACE (dimensions in parenthesis are mm)

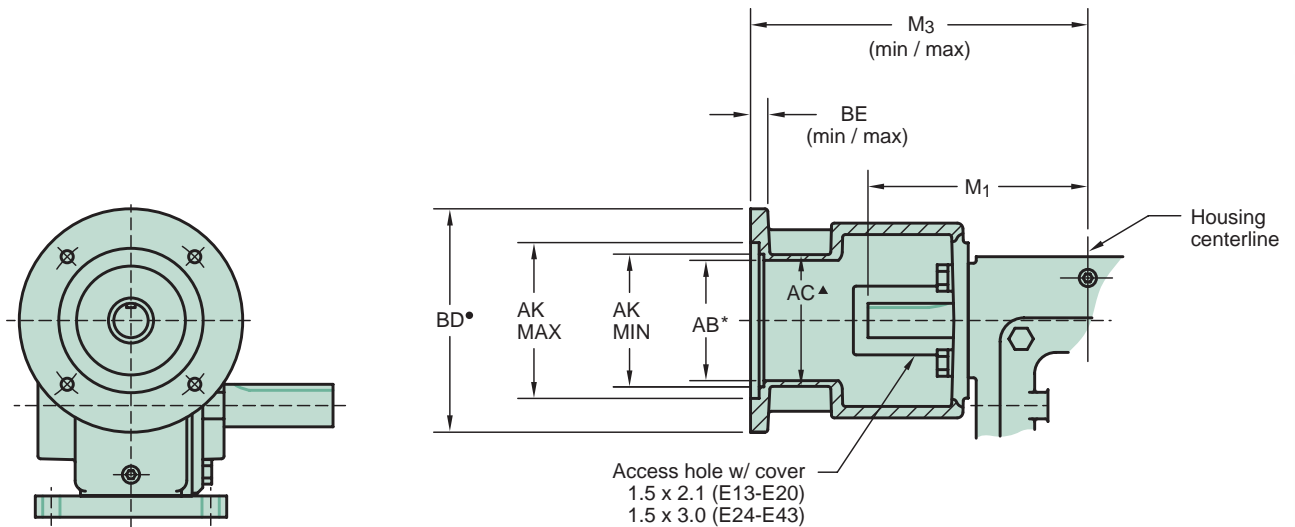
SIZE	AB* (ID)	AC^	AK		BD*	BE		M ₁	M ₃	
			MIN.	MAX.		MIN.	MAX.		MIN.	MAX.
E13	2.50	3.63	2.00 (51)	4.50 (115)	4.75 (120)	.38	.75	4.12	6.31	6.69
E17	3.00	4.26	2.38 (60)	5.31 (135)	5.56 (140)	.38	.75	4.75	7.19	7.56
E20	3.00	4.26	2.38 (60)	5.31 (135)	5.56 (140)	.38	.75	5.00	7.19	7.56
E24	4.00	5.26	2.75 (70)	6.25 (160)	6.50 (165)	.38	.63	6.50	9.00	9.25
E26	4.00	5.26	2.75 (70)	6.25 (160)	6.50 (165)	.38	.63	6.50	9.00	9.25
E30	3.88	5.38	3.75 (95)	7.25 (184)	7.50 (190)	.38	.75	7.00	9.88	10.25
E35	3.88	5.38	3.75 (95)	7.25 (184)	7.50 (190)	.38	.75	7.38	10.81	11.19
E43	3.88	5.38	3.75 (95)	7.25 (184)	7.50 (190)	.38	.75	8.19	11.62	12.00

* Clearance diameter for coupling inside the adaptor. Coupling OD must also clear the register diameter (AK).

▲ For thru holes in adaptor, motor fastener head must clear this diameter.

• Square flange can be reduced to match motor. To convert from bolt circle diameter to horizontal or vertical distance between mounting holes, divide by 1.41.

Servo Motor Adaptor Capability - Round Face



SERVO MOTOR ADAPTOR DIMENSION CAPABILITIES, ROUND FACE (dimensions in parenthesis are mm)

SIZE	ADAPTOR	AB* (ID)	AC [▲]	AK		BD [●]	BE		M ₁	M ₃	
				MIN.	MAX.		MIN.	MAX.		MIN.	MAX.
E13	One adaptor available for each of these sizes	2.47	2.84	2.38 (60)	6.00 (150)	6.50 (165)	.38	.41	4.12	6.81	6.84
E17		2.47	2.84	2.38 (60)	6.00 (150)	6.50 (165)	.38	.41	4.75	7.56	7.59
E20		2.47	2.84	2.38 (60)	6.00 (150)	6.50 (165)	.38	.41	5.00	7.56	7.59
E24		3.63	4.13	3.88 (100)	7.00 (175)	7.50 (190)	.38	.47	6.50	9.68	9.77
E26		3.63	4.13	3.88 (100)	7.00 (175)	7.50 (190)	.38	.47	6.50	9.68	9.77
E30	Small	3.15	3.65	3.88 (100)	6.00 (150)	6.50 (165)	.38	.54	7.00	10.38	10.54
	Large	4.25	4.88	4.50 (115)	9.38 (238)	9.88 (251)	.38	.66		10.81	10.88
E35	Small	3.15	3.65	3.88 (100)	6.00 (150)	6.50 (165)	.38	.54	7.38	11.31	11.34
	Large	4.25	4.88	4.50 (115)	9.38 (238)	9.88 (251)	.38	.66		11.75	11.81
E43	Small	3.15	3.65	3.88 (100)	6.00 (150)	6.50 (165)	.38	.54	8.19	12.12	12.15
	Large	4.25	4.88	4.50 (115)	9.38 (238)	9.88 (251)	.38	.66		12.56	12.62

* Clearance diameter for coupling inside the adaptor. Coupling OD must also clear the register diameter (AK).

▲ For thru holes in adaptor, motor fastener head must clear this diameter.

● Square flange can be reduced to match motor. To convert from bolt circle diameter to horizontal or vertical distance between mounting holes, divide by 1.41.

