

P01-23x160/70x70 64

P01-23x160/40x100 66

P01-23x160/0x140 68

P01-23x160/70x210 70

P01-23x160/130x270 72

P01-23x160/200x340 74

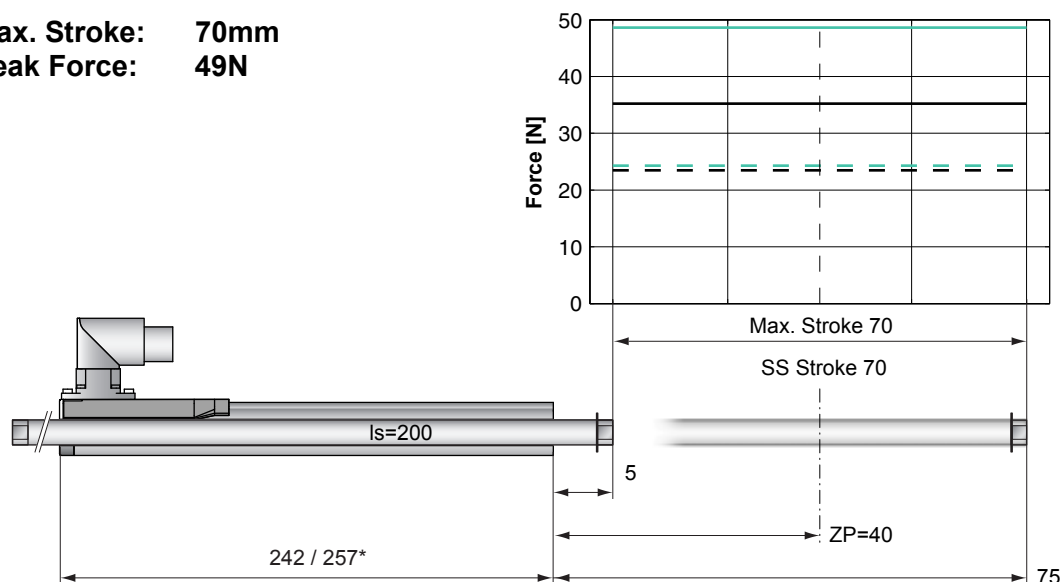
P01-23x160/260x400 76

P01-23x160/360x500 78

P01-23x160/540x680 80

P01-23x160/630x770 82

Max. Stroke: 70mm
Peak Force: 49N



Standard Winding:
— E1100, 72VDC & E1001, 72VDC
- - E100, 48VDC

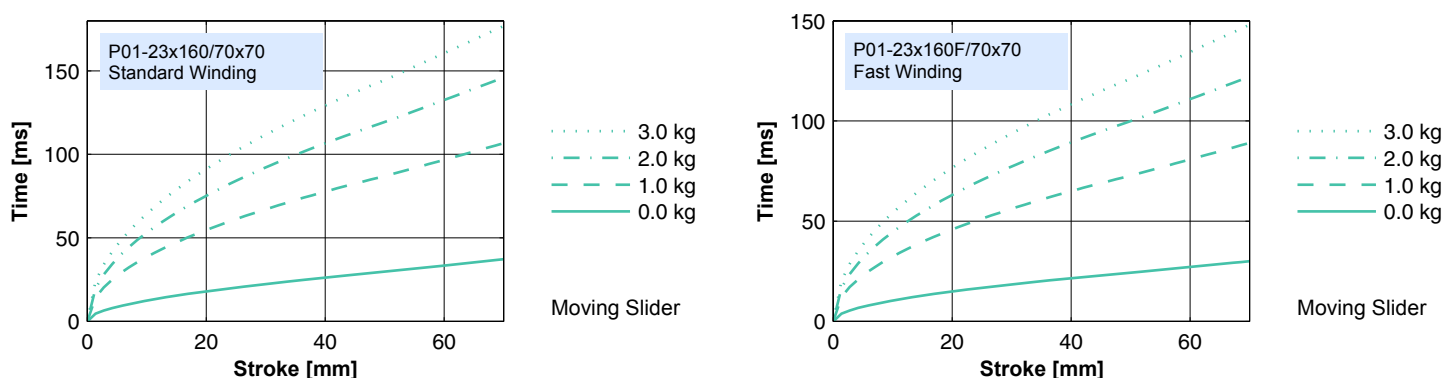
Fast Winding:
— E1100, 72VDC & E1001, 72VDC
- - E100, 48VDC

Dimensions in mm
*Cable Type

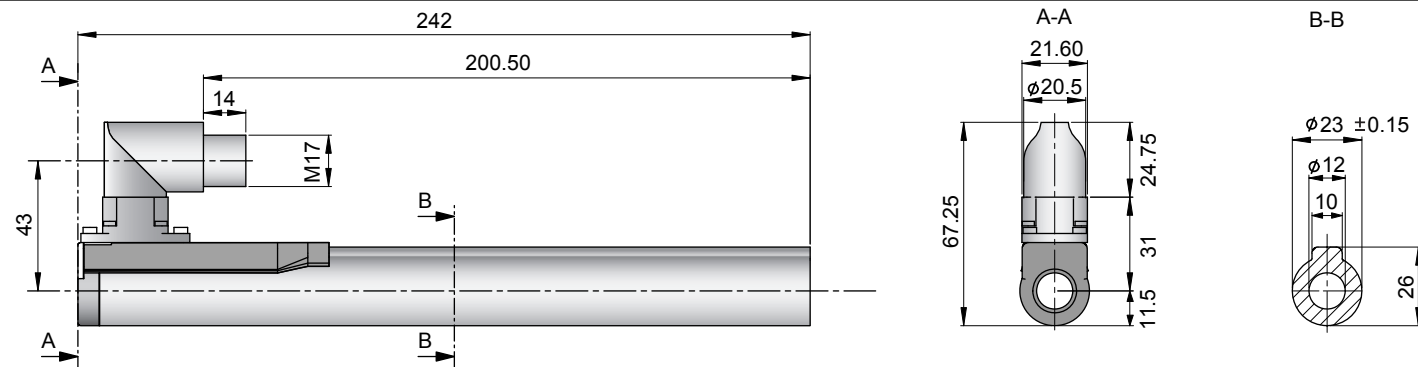
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/70x70-R	Fast Winding 23x160F/70x70-R	Standard Winding 23x160/70x70-D100 23x160/70x70-R20	Fast Winding 23x160F/70x70-R20
Extended Stroke ES	mm (in)	70 (2.76)	70 (2.76)	70 (2.76)	70 (2.76)
Standard Stroke SS	mm (in)	70 (2.76)	70 (2.76)	70 (2.76)	70 (2.76)
Peak Force E1100 / E1001	N (lbf)	35 (7.9)	49 (10.9)	35 (7.9)	49 (10.9)
Peak Force E100	N (lbf)	23 (5.3)	24 (5.5)	23 (5.3)	24 (5.5)
Cont. Force	N (lbf)	9 (2.1)	9 (2.1)	9 (2.1)	9 (2.1)
Cont. Force Fan cooling	N (lbf)	18 (4.0)	18 (4.0)	18 (4.0)	18 (4.0)
Border Force	%	100	100	100	100
Force Constant	N/A (lbf/A)	12.4 (2.79)	8.1 (1.82)	12.4 (2.79)	8.1 (1.82)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	5.3 (210)	8.2 (322)	5.3 (210)	8.2 (322)
Max. Velocity @ 48VDC	m/s (in/s)	3.6 (140)	5.5 (215)	3.6 (140)	5.5 (215)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)
Slider Mass	g (lb)	112 (0.25)	112 (0.25)	112 (0.25)	112 (0.25)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.55	±0.55	±0.55	±0.55
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

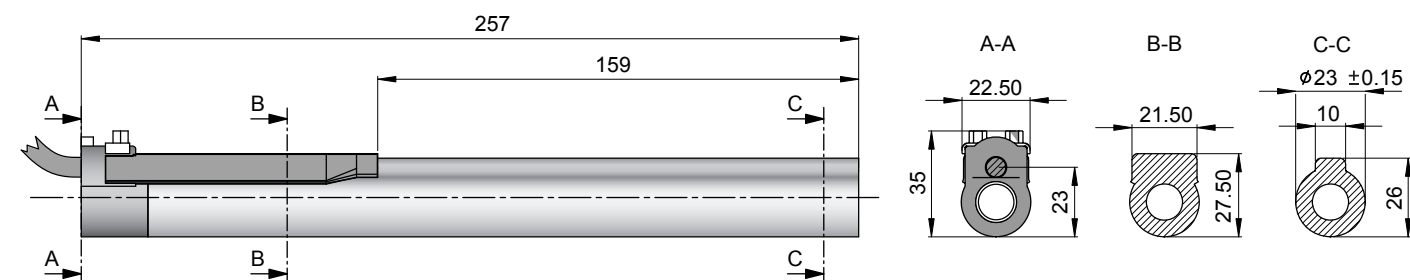


Connector Type



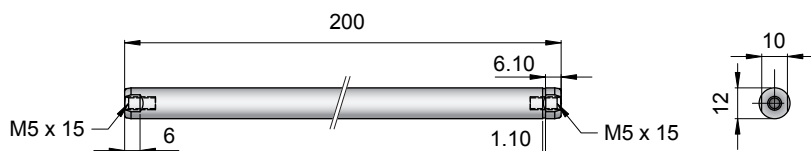
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/70x70-R	-->	PS01-23x160-R	0150-1234	& PL01-12x200/100	0150-1305
P01-23x160F/70x70-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x200/100	0150-1305

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/70x70-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x200/100	0150-1305
P01-23x160/70x70-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x200/100	0150-1305
P01-23x160F/70x70-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x200/100	0150-1305

Slider



Standard Type		Slider Standard		PL01-12x200/100	
Special Sliders		Heavy Duty Slider with WC/C-Coating		PL02-12x200/100	
		Hollow Slider hole diameter 4.2mm		PL01-12x200/100-L	
				on request	

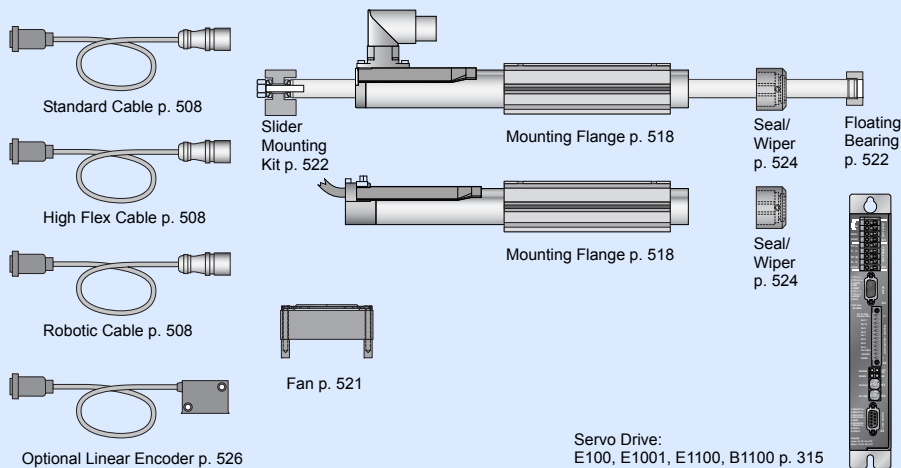
Connectors

Motor Connector Wiring

Cable Length:
P01-23x160... 1.0m
P01-23x160...-R20 0.2m

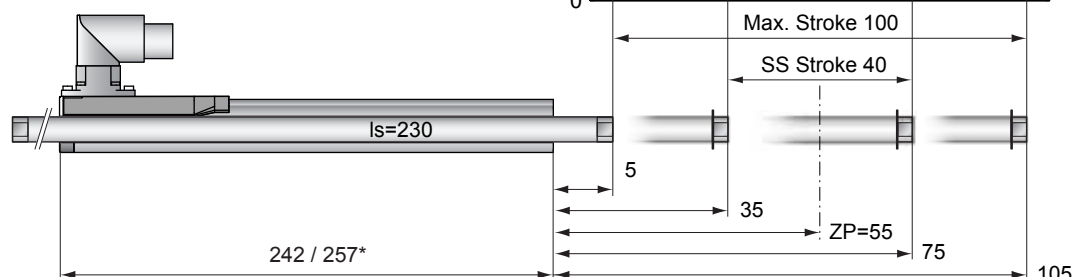
		P01-23...-R	P01-23...-R20	P01-23...
Ph 1+	red	1	1	
Ph 1-	pink	2	6	
Ph 2+	blue	3	2	
Ph 2-	grey	4	7	
+5VDC	white	A	3	
GND	inner Shield	B	8	
Sine	yellow	C	4	
Cosine	green	D	9	
Temp.	black	E	5	
Shield	outer Shield	Case	Case	

Accessoires



Servo Drive:
E100, E1001, E1100, B1100 p. 315

Max. Stroke: 100mm
Peak Force: 65N



Standard Winding:
— E1100, 72VDC & E1001, 72VDC
- - E100, 48VDC

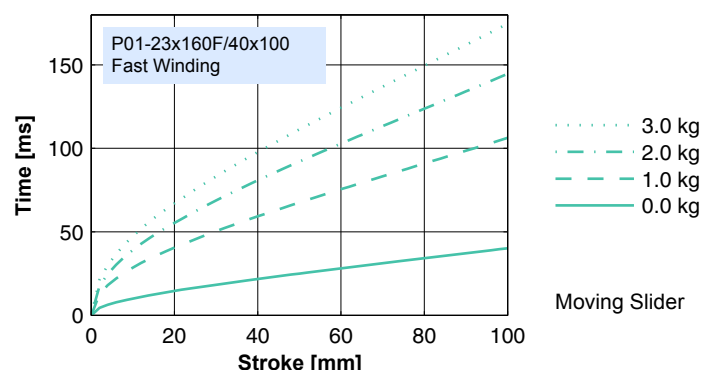
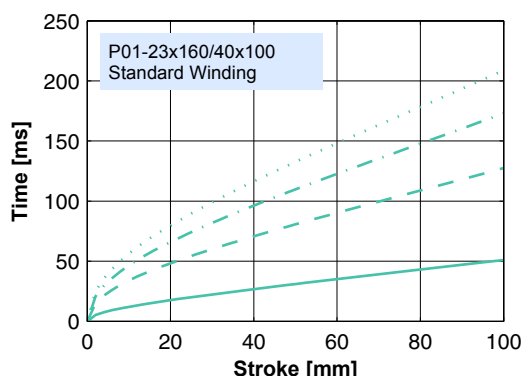
Fast Winding:
— E1100, 72VDC & E1001, 72VDC
- - E100, 48VDC

Dimensions in mm
*Cable Type

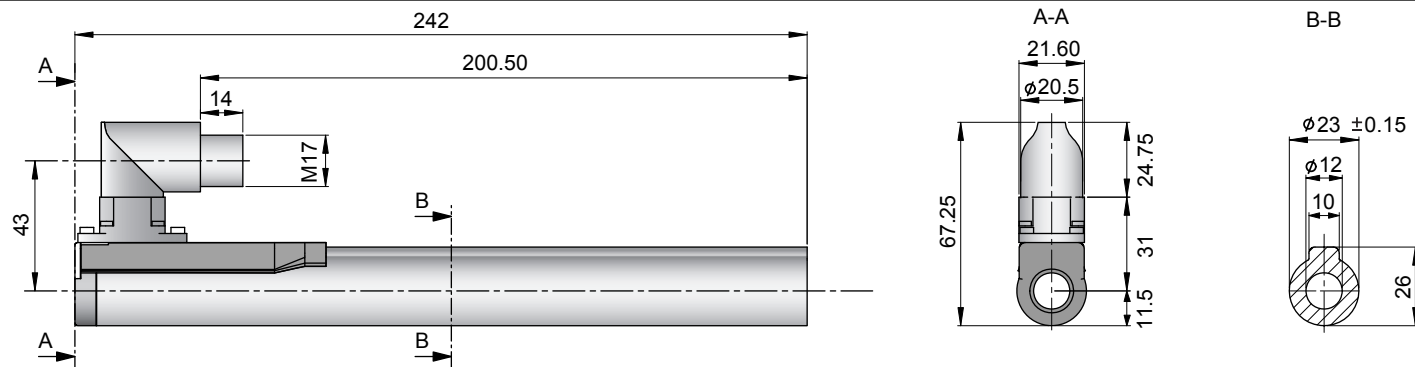
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/40x100-R	Fast Winding 23x160F/40x100-R	Standard Winding 23x160/40x100-D100 23x160/40x100-R20	Fast Winding 23x160F/40x100-R20
Extended Stroke ES	mm (in)	100 (3.94)	100 (3.94)	100 (3.94)	100 (3.94)
Standard Stroke SS	mm (in)	40 (1.57)	40 (1.57)	40 (1.57)	40 (1.57)
Peak Force E1100 / E1001	N (lbf)	47 (10.6)	65 (14.6)	47 (10.6)	65 (14.6)
Peak Force E100	N (lbf)	31 (7.0)	32 (7.3)	31 (7.0)	32 (7.3)
Cont. Force	N (lbf)	12 (2.8)	12 (2.8)	12 (2.8)	12 (2.8)
Cont. Force Fan cooling	N (lbf)	24 (5.3)	24 (5.3)	24 (5.3)	24 (5.3)
Border Force	%	75	75	75	75
Force Constant	N/A (lbf/A)	16.6 (3.72)	10.8 (2.43)	16.6 (3.72)	10.8 (2.43)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	4.0 (157)	6.1 (241)	4.0 (157)	6.1 (241)
Max. Velocity @ 48VDC	m/s (in/s)	2.7 (105)	4.1 (161)	2.7 (105)	4.1 (161)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	230 (9.06)	230 (9.06)	230 (9.06)	230 (9.06)
Slider Mass	g (lb)	137 (0.30)	137 (0.30)	137 (0.30)	137 (0.30)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.45	±0.45	±0.45	±0.45
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

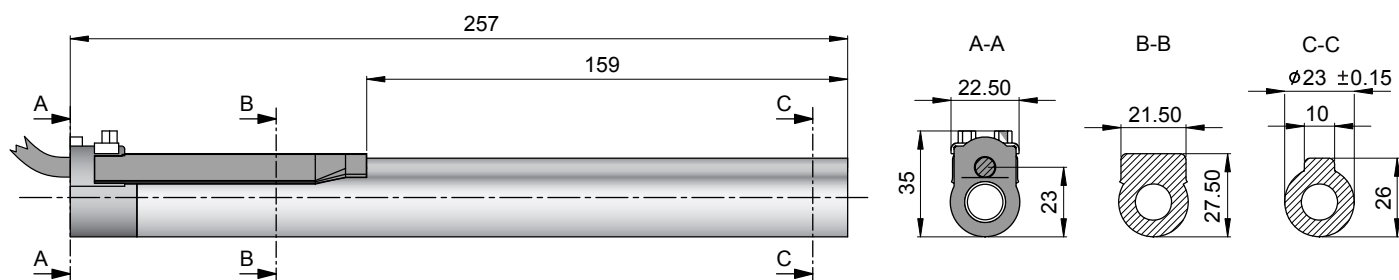


Connector Type



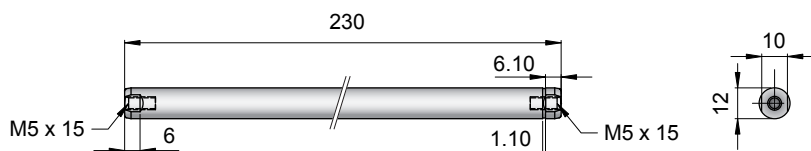
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/40x100-R	-->	PS01-23x160-R	0150-1234	& PL01-12x230/130	0150-1306
P01-23x160F/40x100-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x230/130	0150-1306

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/40x100-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x230/130	0150-1306
P01-23x160/40x100-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x230/130	0150-1306
P01-23x160F/40x100-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x230/130	0150-1306

Slider

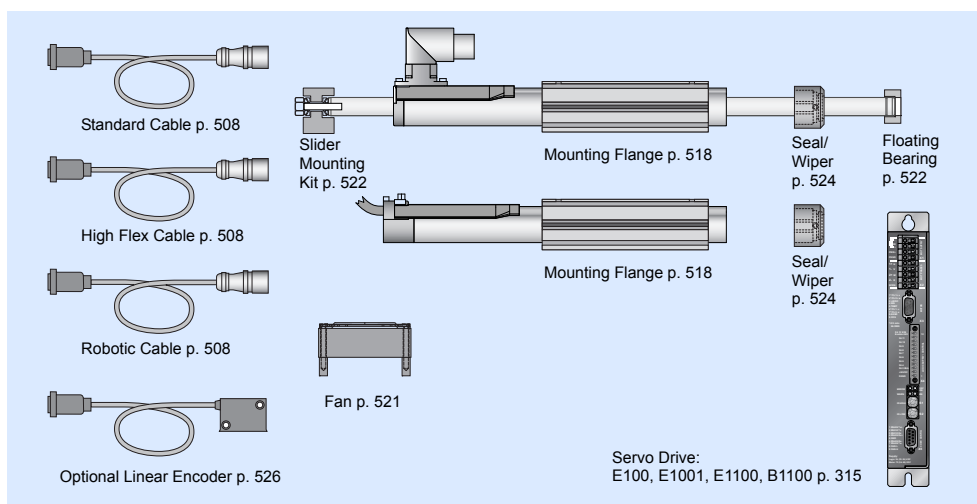


Standard Type	Slider Standard	PL01-12x230/130	0150-1306
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x230/130	0150-1309
	Hollow Slider hole diameter 4.2mm	PL01-12x230/130-L	on request

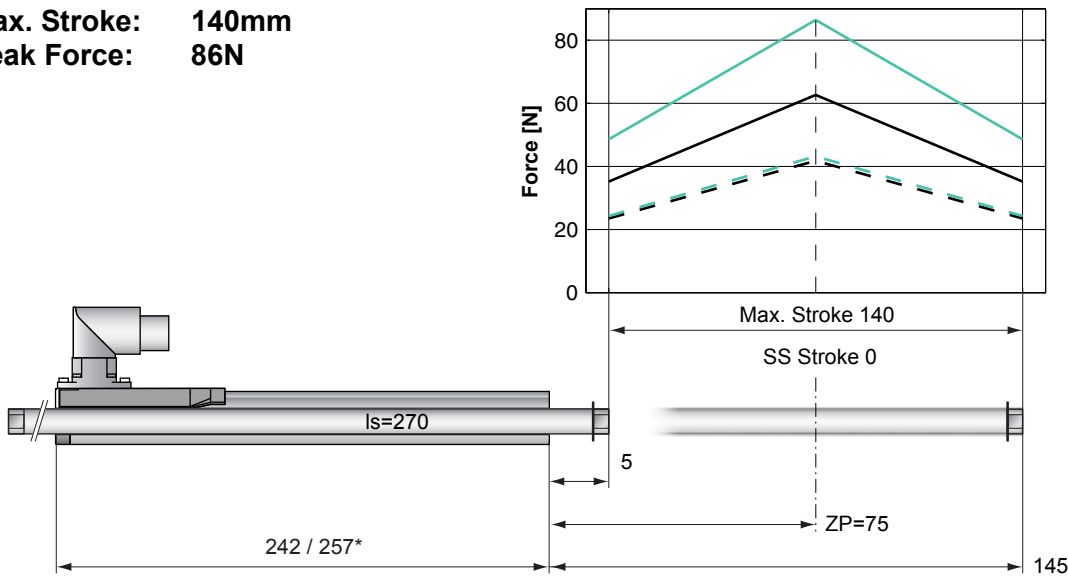
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 140mm
Peak Force: 86N

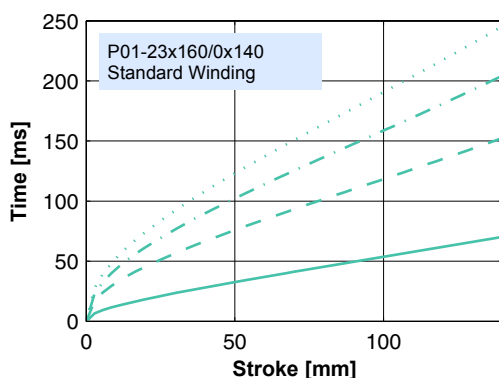


Dimensions in mm
*Cable Type

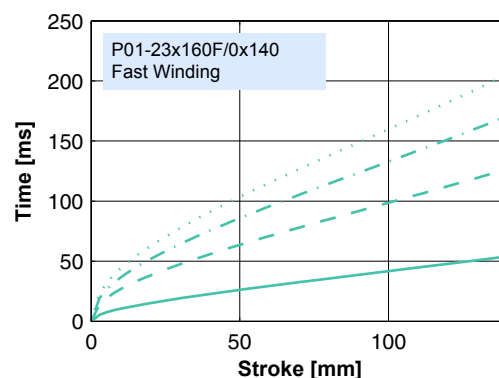
Motor Specification

		Connector Type		Cable Type	
		Standard Winding	Fast Winding	Standard Winding	Fast Winding
	P01-	23x160/0x140-R	23x160F/0x140-R	23x160/0x140-D100	23x160F/0x140-R20
Extended Stroke ES	mm (in)	140 (5.51)	140 (5.51)	140 (5.51)	140 (5.51)
Standard Stroke SS	mm (in)	0 (0.00)	0 (0.00)	0 (0.00)	0 (0.00)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	270 (10.63)	270 (10.63)	270 (10.63)	270 (10.63)
Slider Mass	g (lb)	171 (0.38)	171 (0.38)	171 (0.38)	171 (0.38)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.35	±0.35	±0.35	±0.35
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

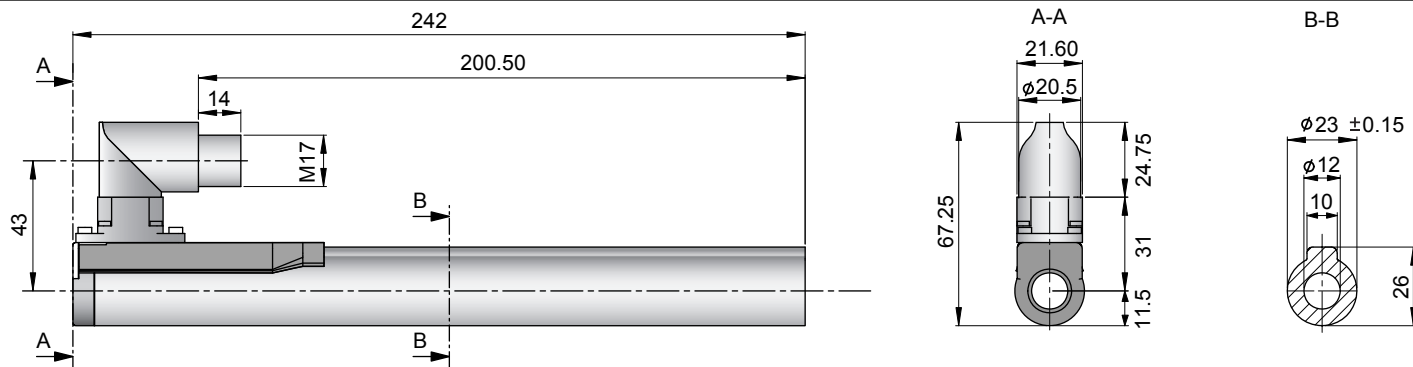


Moving Slider



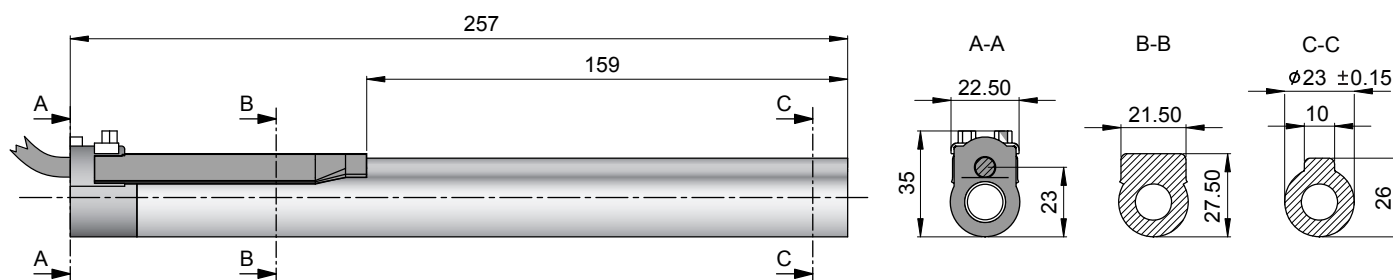
Moving Slider

Connector Type



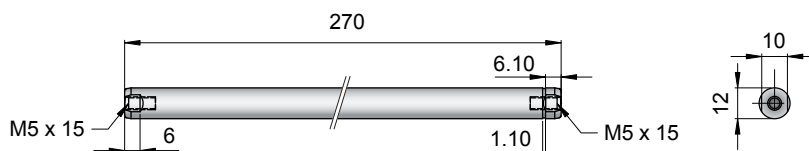
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/0x140-R	-->	PS01-23x160-R	0150-1234	& PL01-12x270/170	0150-1307
P01-23x160F/0x140-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x270/170	0150-1307

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/0x140-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x270/170	0150-1307
P01-23x160/0x140-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x270/170	0150-1307
P01-23x160F/0x140-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x270/170	0150-1307

Slider

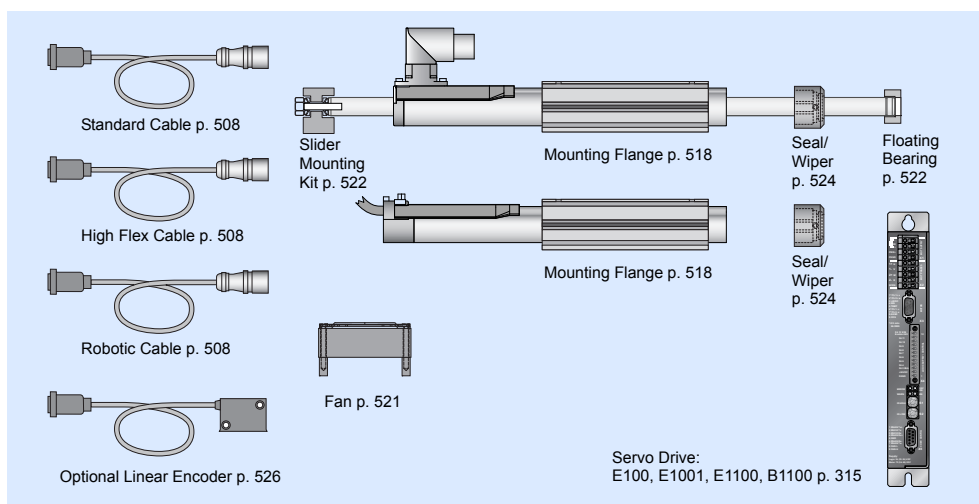


Standard Type		Slider Standard		PL01-12x270/170	
Special Sliders		Heavy Duty Slider with WC/C-Coating		PL02-12x270/170	
		Hollow Slider hole diameter 4.2mm		PL01-12x270/170-L	
				0150-1393	

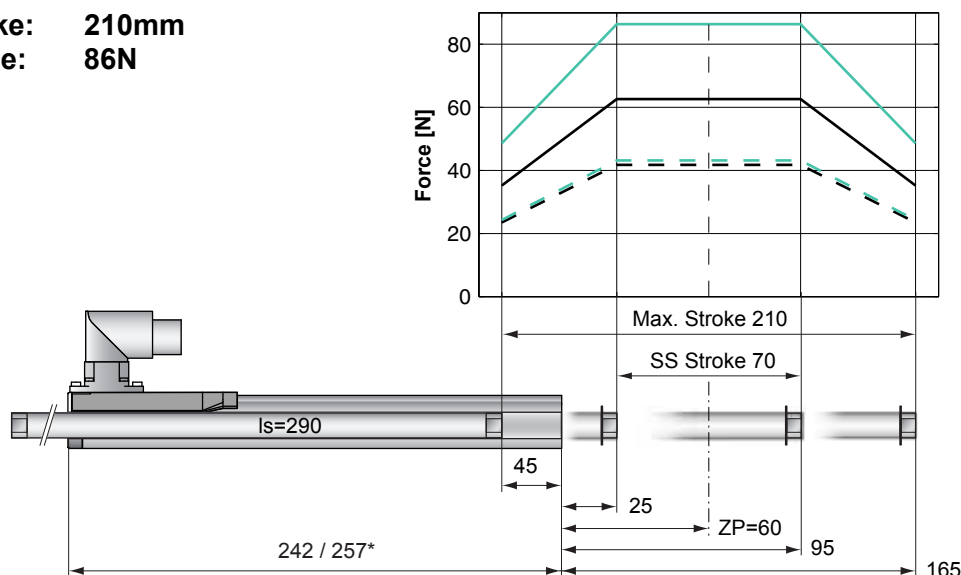
Connectors

Motor Connector Wiring		P01-23...-R	
Cable Length:		P01-23...-R20	P01-23...
P01-23x160...	1.0m		
P01-23x160...-R20	0.2m		
Ph 1+	red	1	1
Ph 1-	pink	2	6
Ph 2+	blue	3	2
Ph 2-	grey	4	7
+5VDC	white	A	3
GND	inner Shield	B	8
Sine	yellow	C	4
Cosine	green	D	9
Temp.	black	E	5
Shield	outer Shield	Case	Case

Accessoires



Max. Stroke: 210mm
Peak Force: 86N

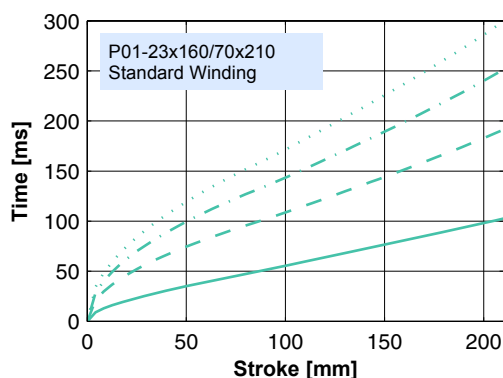


Dimensions in mm
*Cable Type

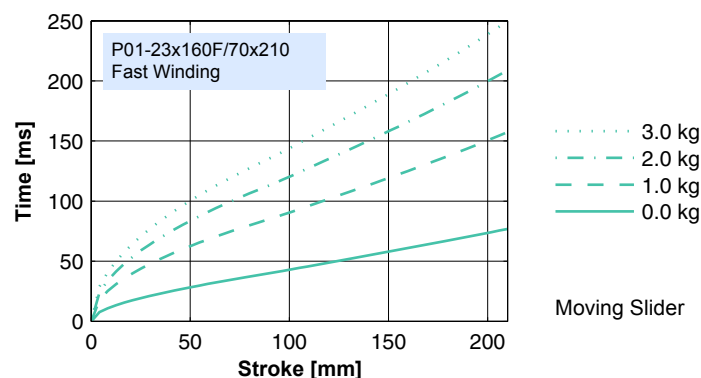
Motor Specification

		Connector Type		Cable Type	
		Standard Winding	Fast Winding	Standard Winding	Fast Winding
P01-23x160/70x210-R		23x160/70x210-R	23x160F/70x210-R	23x160/70x210-D100 23x160/70x210-R20	23x160F/70x210-R20
Extended Stroke ES	mm (in)	210 (8.27)	210 (8.27)	210 (8.27)	210 (8.27)
Standard Stroke SS	mm (in)	70 (2.76)	70 (2.76)	70 (2.76)	70 (2.76)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	290 (11.42)	290 (11.42)	290 (11.42)	290 (11.42)
Slider Mass	g (lb)	220 (0.49)	220 (0.49)	220 (0.49)	220 (0.49)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.30	±0.30	±0.30	±0.30
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

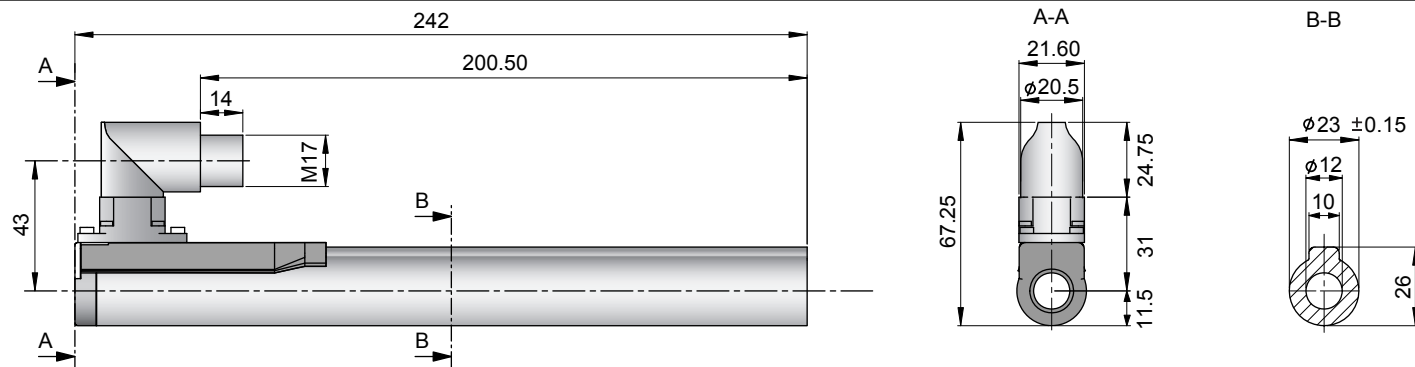


Moving Slider



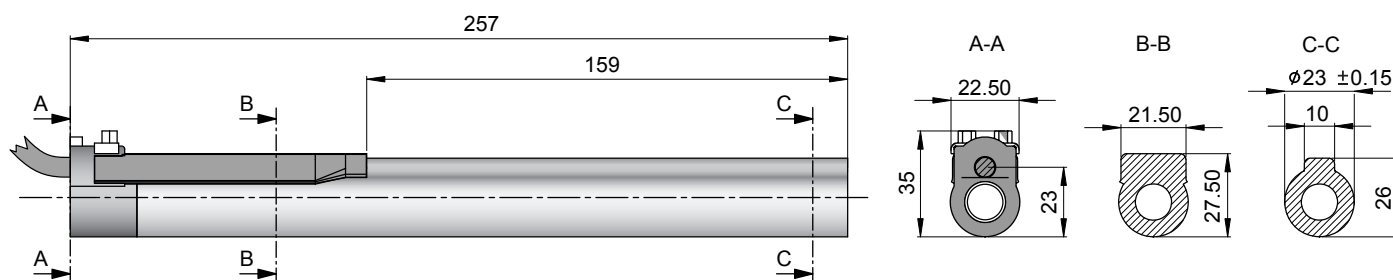
Moving Slider

Connector Type



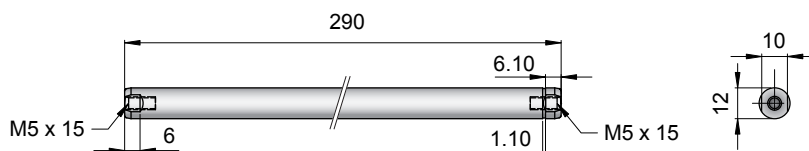
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/70x210-R	-->	PS01-23x160-R	0150-1234	& PL01-12x290/240	0150-1320
P01-23x160F/70x210-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x290/240	0150-1320

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/70x210-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x290/240	0150-1320
P01-23x160/70x210-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x290/240	0150-1320
P01-23x160F/70x210-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x290/240	0150-1320

Slider

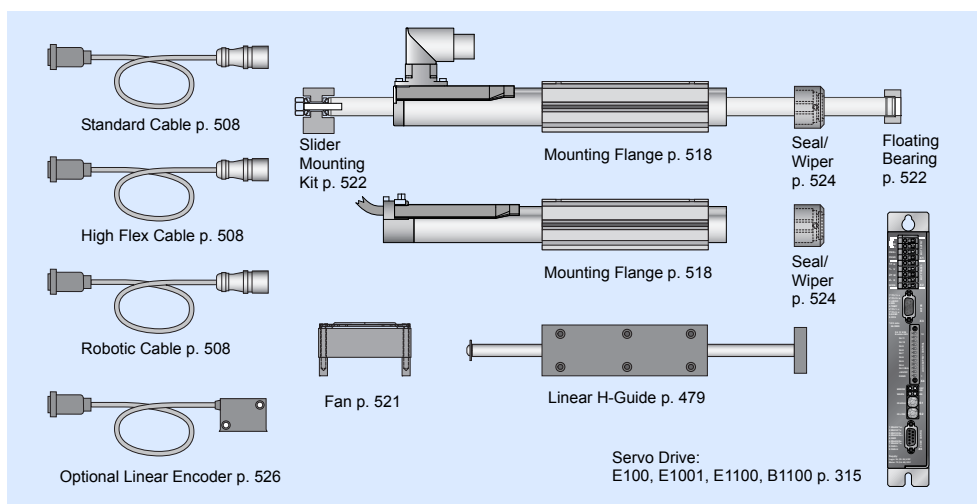


Standard Type		Slider Standard		PL01-12x290/240	
Special Sliders		Heavy Duty Slider with WC/C-Coating		PL02-12x290/240	
		Hollow Slider hole diameter 4.2mm		PL01-12x290/240-L	
				0150-1363	

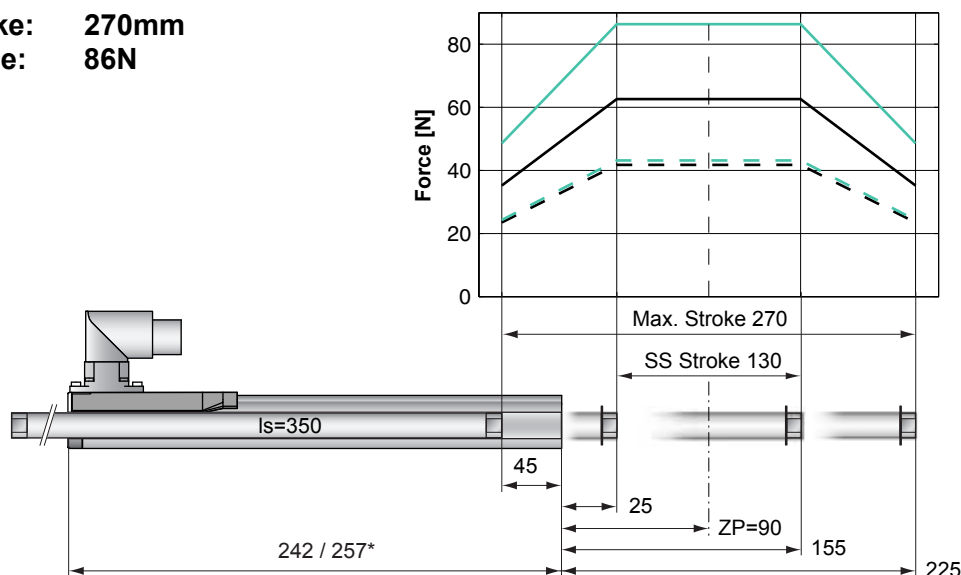
Connectors

Motor Connector Wiring		P01-23...-R	
Cable Length:		P01-23...-R20	P01-23...
P01-23x160...	1.0m		
P01-23x160...-R20	0.2m		
Ph 1+	red	1	1
Ph 1-	pink	2	6
Ph 2+	blue	3	2
Ph 2-	grey	4	7
+5VDC	white	A	3
GND	inner Shield	B	8
Sine	yellow	C	4
Cosine	green	D	9
Temp.	black	E	5
Shield	outer Shield	Case	Case

Accessoires



Max. Stroke: 270mm
Peak Force: 86N

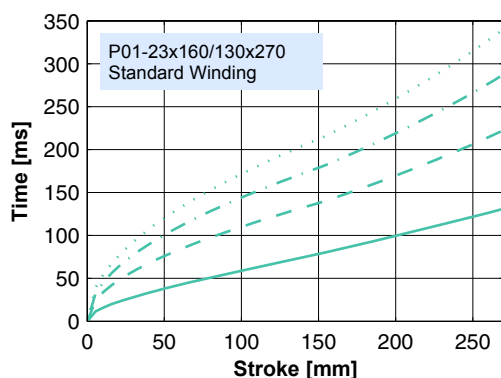


Dimensions in mm
*Cable Type

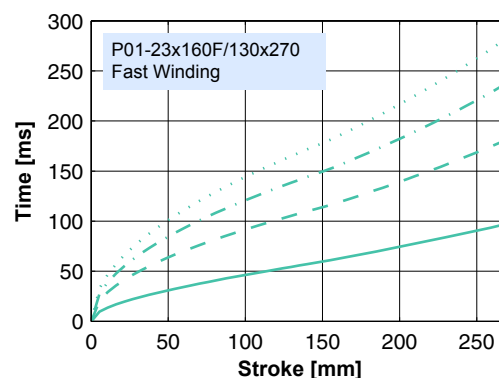
Motor Specification

		Connector Type		Cable Type	
		Standard Winding	Fast Winding	Standard Winding	Fast Winding
	P01-	23x160/130x270-R	23x160F/130x270-R	23x160/130x270-D100	23x160F/130x270-R20
Extended Stroke ES	mm (in)	270 (10.63)	270 (10.63)	270 (10.63)	270 (10.63)
Standard Stroke SS	mm (in)	130 (5.12)	130 (5.12)	130 (5.12)	130 (5.12)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	350 (13.78)	350 (13.78)	350 (13.78)	350 (13.78)
Slider Mass	g (lb)	271 (0.60)	271 (0.60)	271 (0.60)	271 (0.60)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.25	±0.25	±0.25	±0.25
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

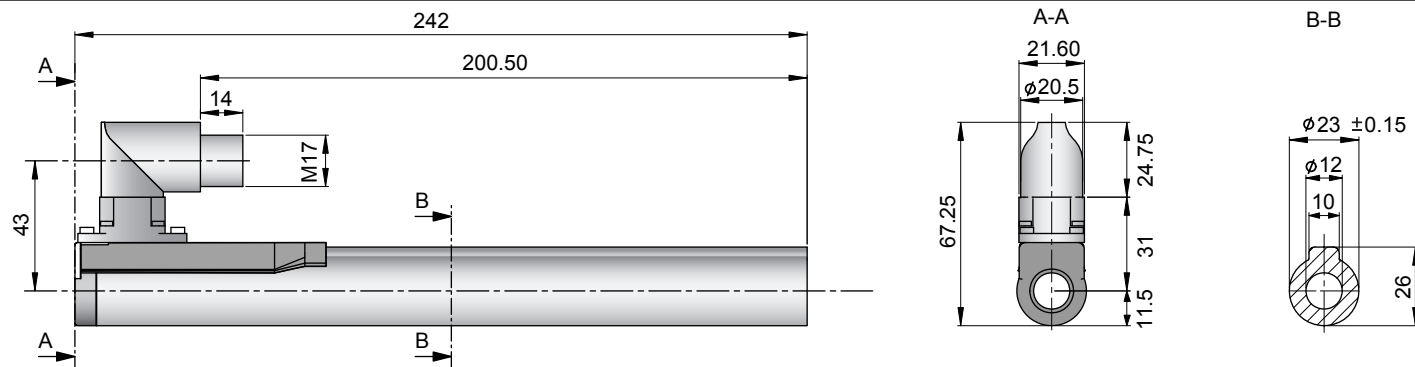


Moving Slider



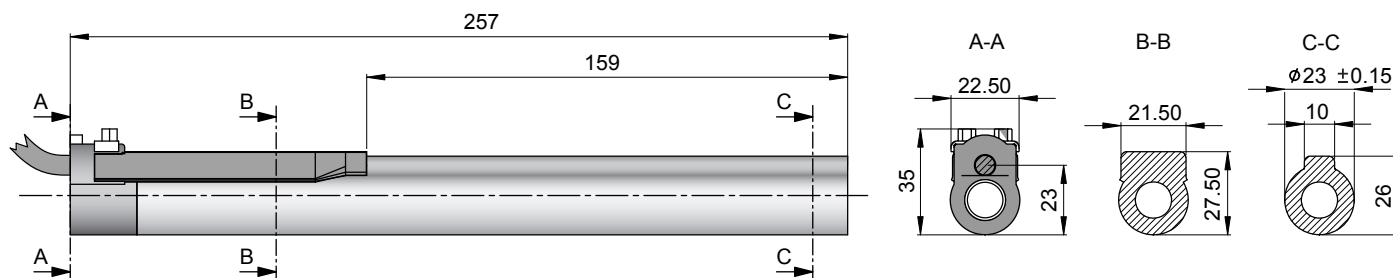
Moving Slider

Connector Type



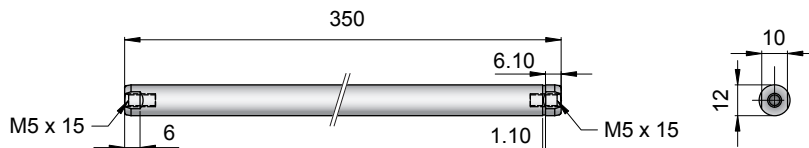
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/130x270-R	-->	PS01-23x160-R	0150-1234	& PL01-12x350/300	0150-1322
P01-23x160F/130x270-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x350/300	0150-1322

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/130x270-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x350/300	0150-1322
P01-23x160/130x270-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x350/300	0150-1322
P01-23x160F/130x270-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x350/300	0150-1322

Slider

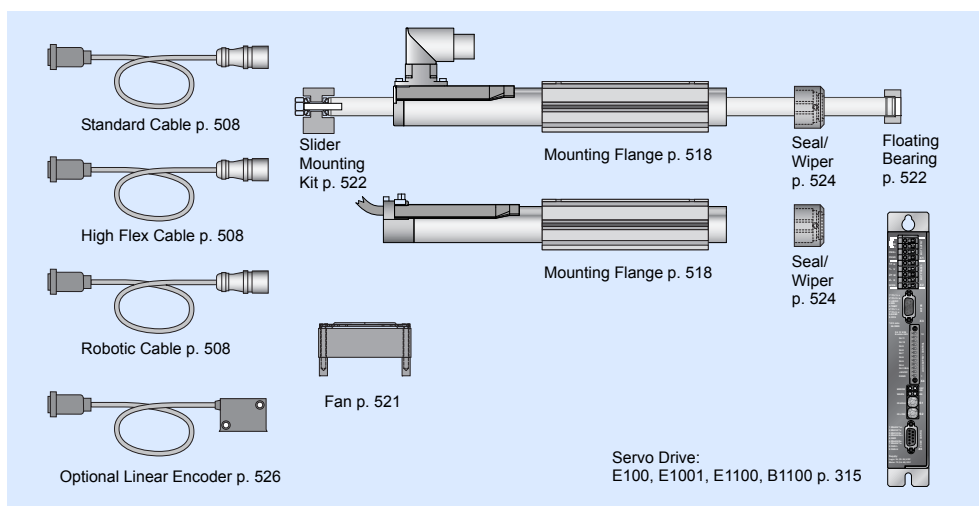


Standard Type	Slider Standard	PL01-12x350/300	0150-1322
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x350/300	0150-1323
	Hollow Slider hole diameter 4.2mm	PL01-12x350/300-L	0150-1479

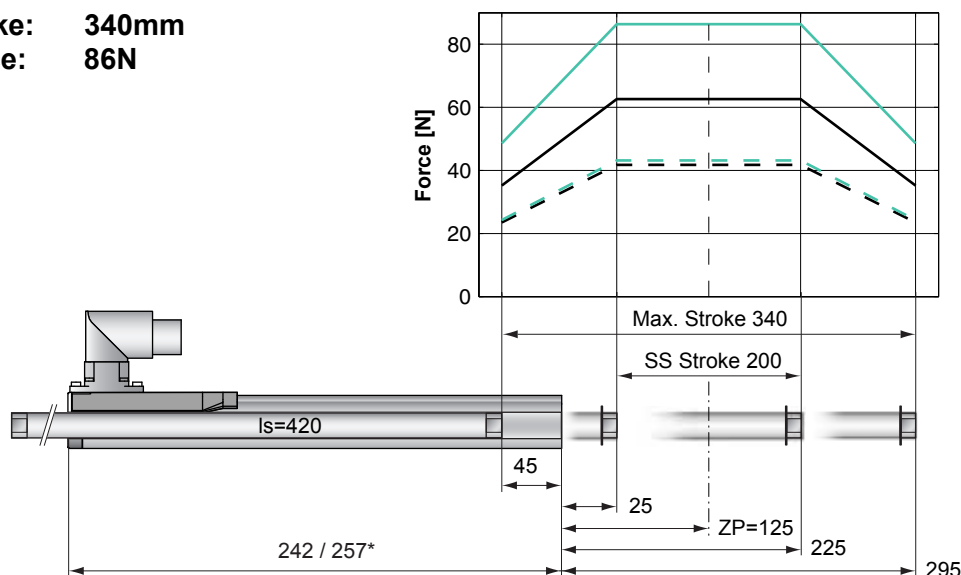
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 340mm
Peak Force: 86N



Standard Winding:

- E1100, 72VDC & E1001, 72VDC
- - - E100, 48VDC

Fast Winding:

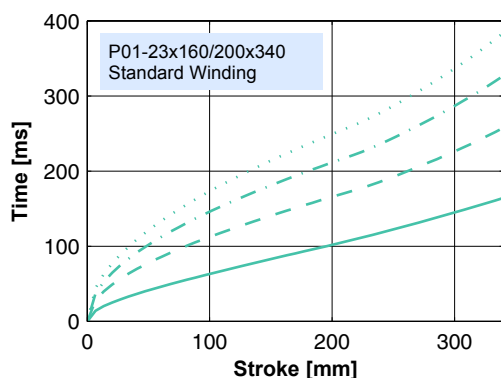
- E1100, 72VDC & E1001, 72VDC
- - - E100, 48VDC

Dimensions in mm
*Cable Type

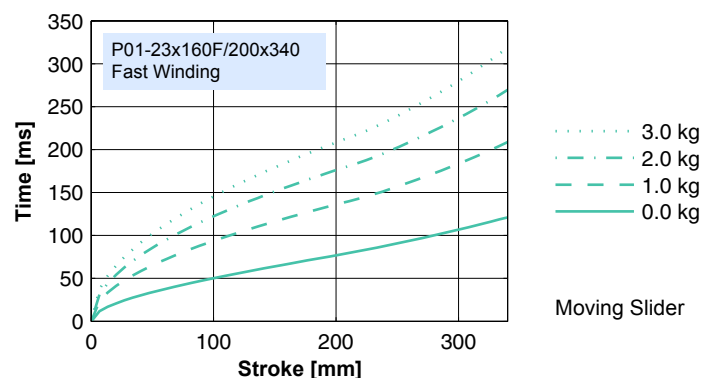
Motor Specification

		Connector Type		Cable Type	
		Standard Winding	Fast Winding	Standard Winding	Fast Winding
	P01-	23x160/200x340-R	23x160F/200x340-R	23x160/200x340-D100 23x160/200x340-R20	23x160F/200x340-R20
Extended Stroke ES	mm (in)	340 (13.39)	340 (13.39)	340 (13.39)	340 (13.39)
Standard Stroke SS	mm (in)	200 (7.87)	200 (7.87)	200 (7.87)	200 (7.87)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	420 (16.54)	420 (16.54)	420 (16.54)	420 (16.54)
Slider Mass	g (lb)	330 (0.73)	330 (0.73)	330 (0.73)	330 (0.73)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.25	±0.25	±0.25	±0.25
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

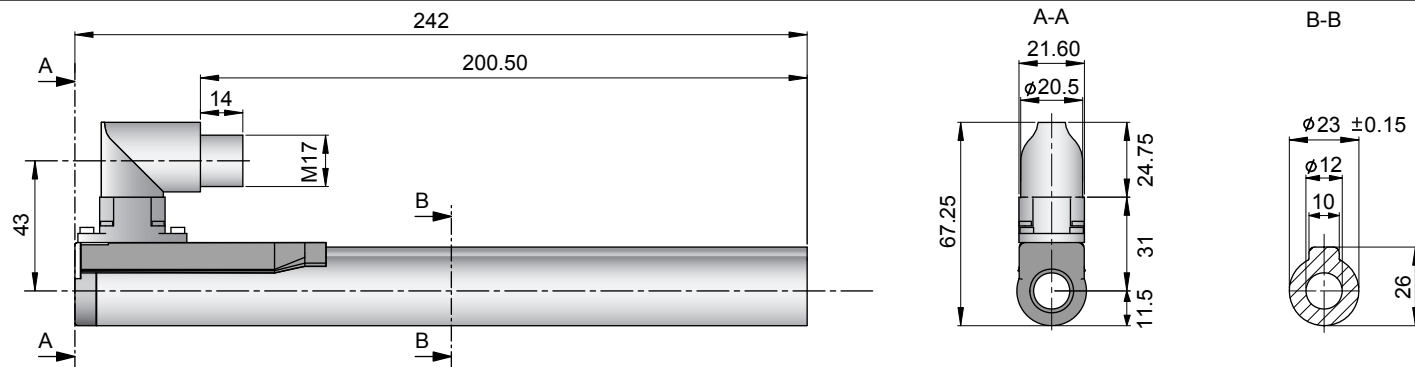


Moving Slider



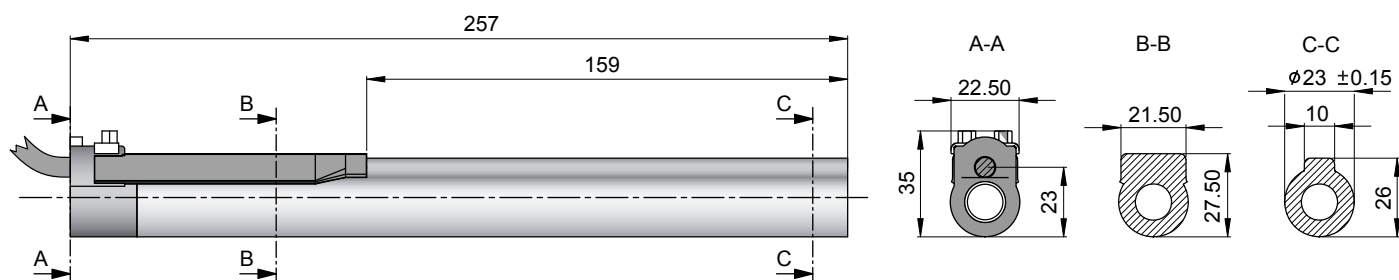
Moving Slider

Connector Type



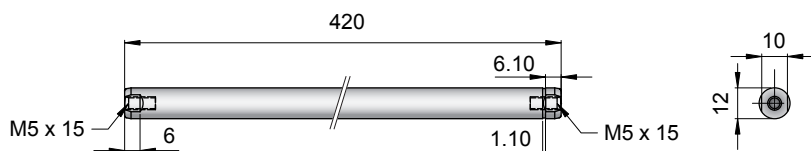
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/200x340-R	-->	PS01-23x160-R	0150-1234	& PL01-12x420/370	0150-1324
P01-23x160F/200x340-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x420/370	0150-1324

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/200x340-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x420/370	0150-1324
P01-23x160/200x340-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x420/370	0150-1324
P01-23x160F/200x340-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x420/370	0150-1324

Slider

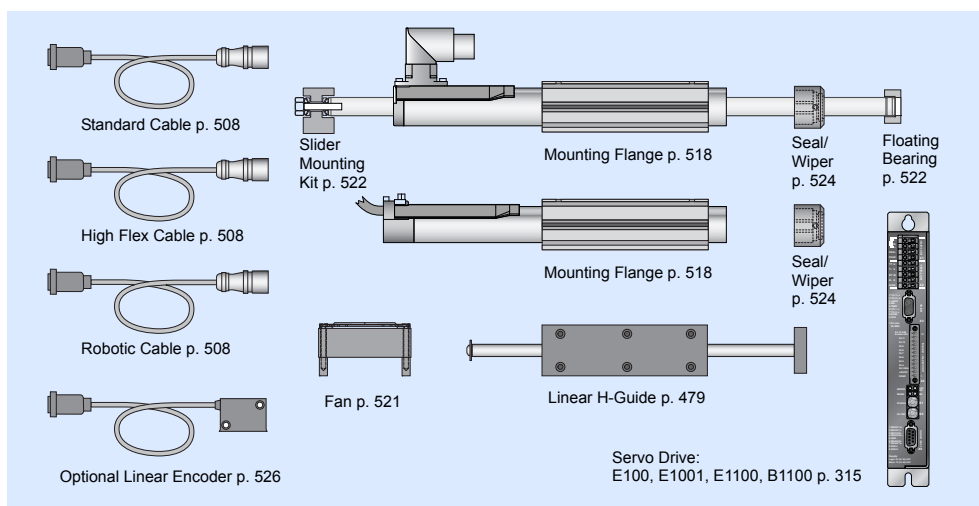


Standard Type	Slider Standard	PL01-12x420/370	0150-1324
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x420/370	0150-1325
	Hollow Slider hole diameter 4.2mm	PL01-12x420/370-L	0150-1394

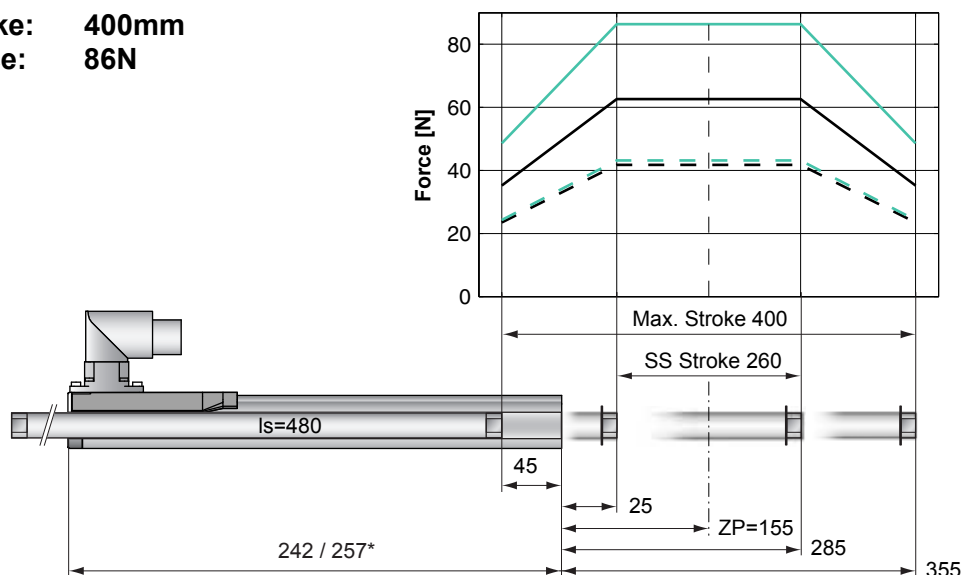
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 400mm
Peak Force: 86N

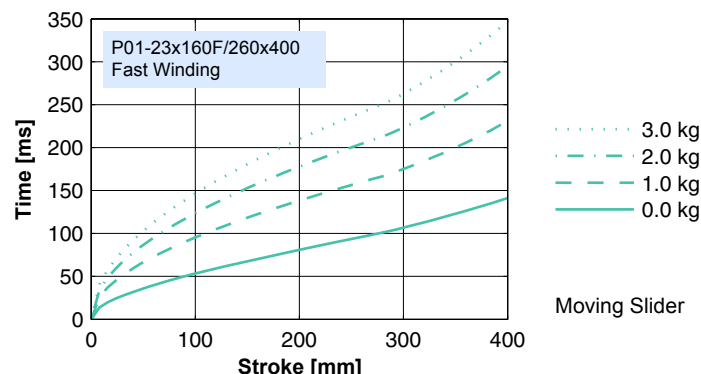
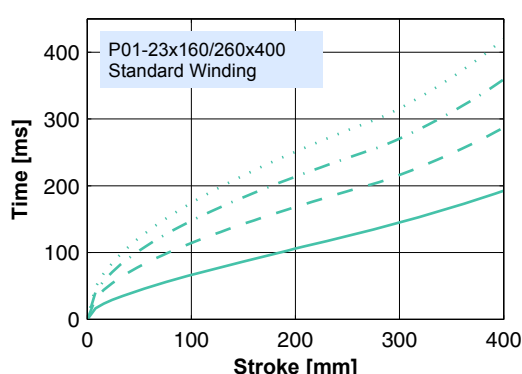


Dimensions in mm
*Cable Type

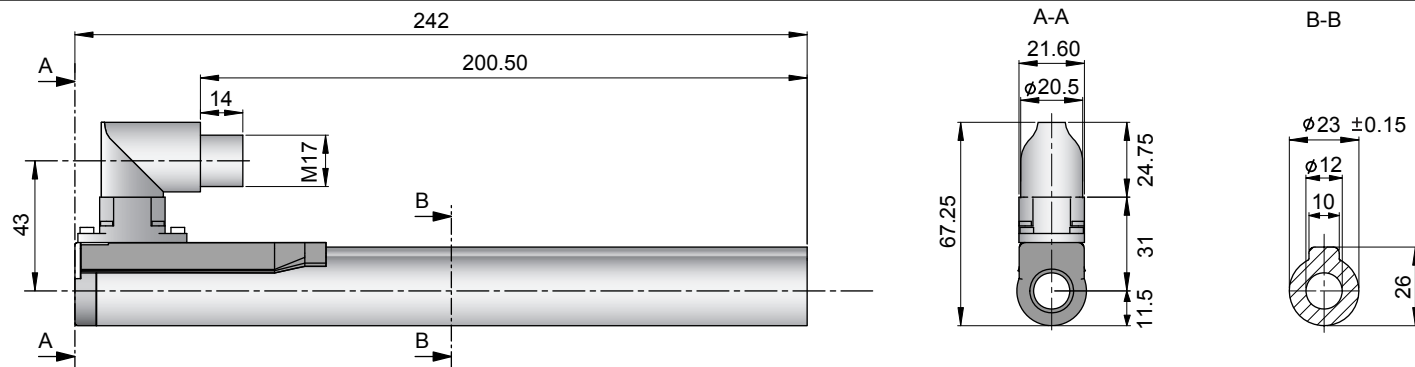
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/260x400-R	Fast Winding 23x160F/260x400-R	Standard Winding 23x160/260x400-D100 23x160/260x400-R20	Fast Winding 23x160F/260x400-R20
Extended Stroke ES	mm (in)	400 (15.75)	400 (15.75)	400 (15.75)	400 (15.75)
Standard Stroke SS	mm (in)	260 (10.24)	260 (10.24)	260 (10.24)	260 (10.24)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	480 (18.90)	480 (18.90)	480 (18.90)	480 (18.90)
Slider Mass	g (lb)	380 (0.84)	380 (0.84)	380 (0.84)	380 (0.84)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.25	±0.25	±0.25	±0.25
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

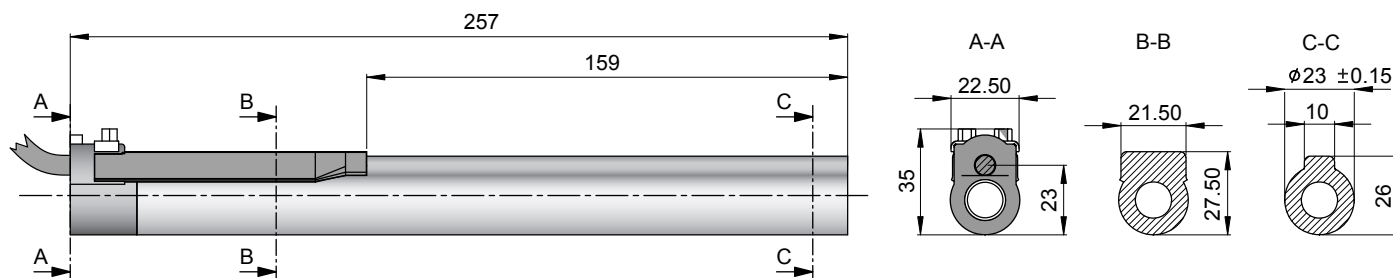


Connector Type



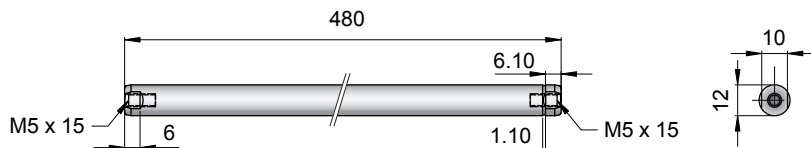
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/260x400-R	-->	PS01-23x160-R	0150-1234	& PL01-12x480/430	0150-1372
P01-23x160F/260x400-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x480/430	0150-1372

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/260x400-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x480/430	0150-1372
P01-23x160/260x400-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x480/430	0150-1372
P01-23x160F/260x400-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x480/430	0150-1372

Slider

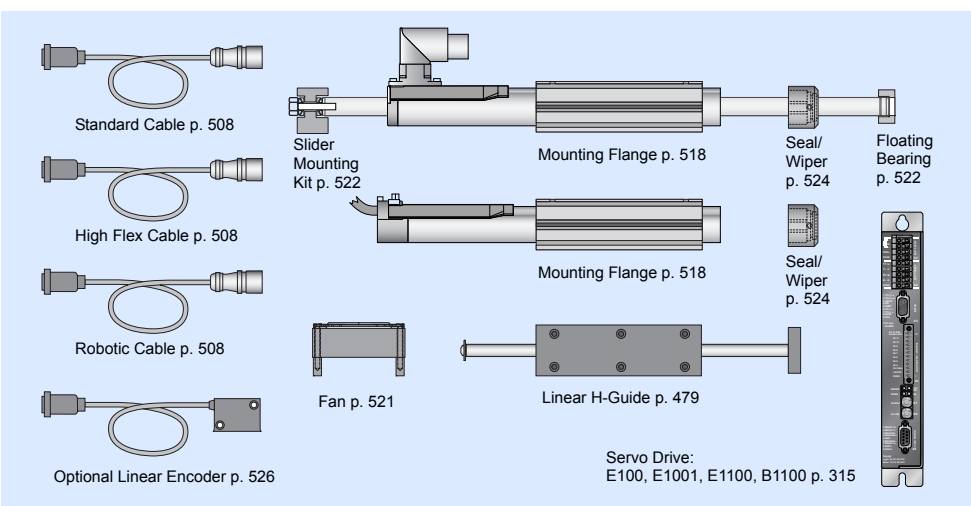


Standard Type	Slider Standard	PL01-12x480/430	0150-1372
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x480/430	0150-1373
	Hollow Slider hole diameter 4.2mm	PL01-12x480/430-L	on request

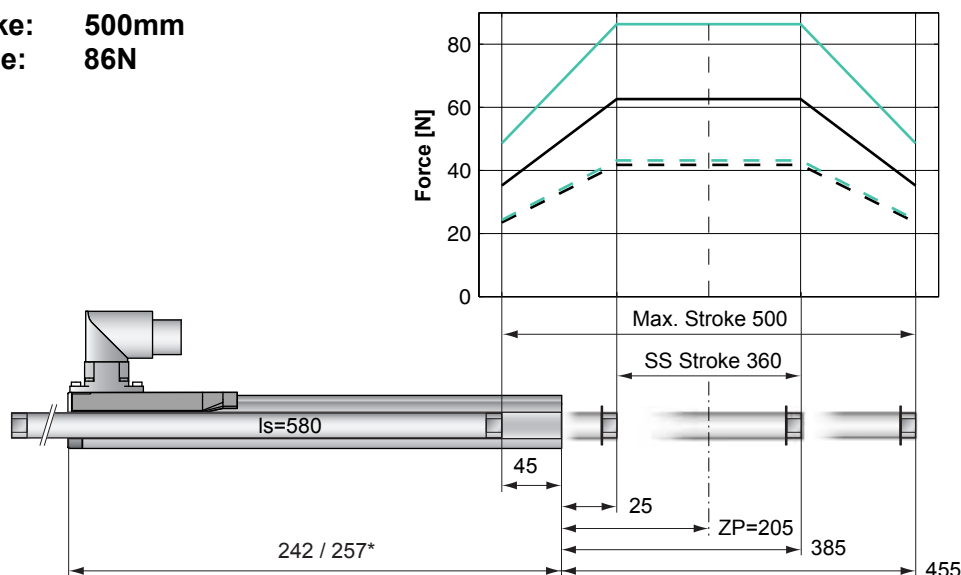
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 500mm
Peak Force: 86N

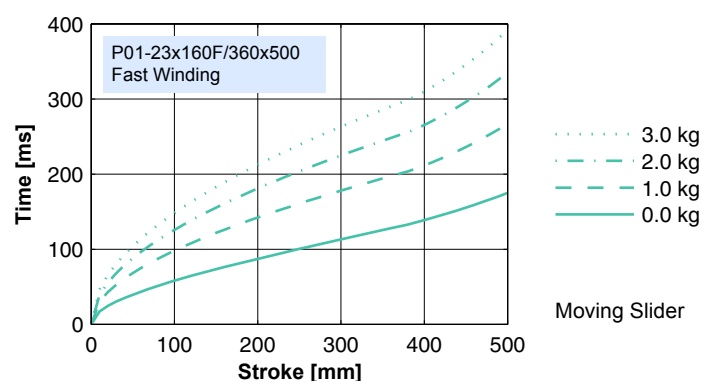
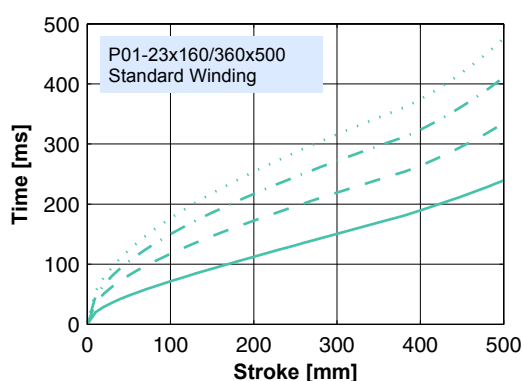


Dimensions in mm
*Cable Type

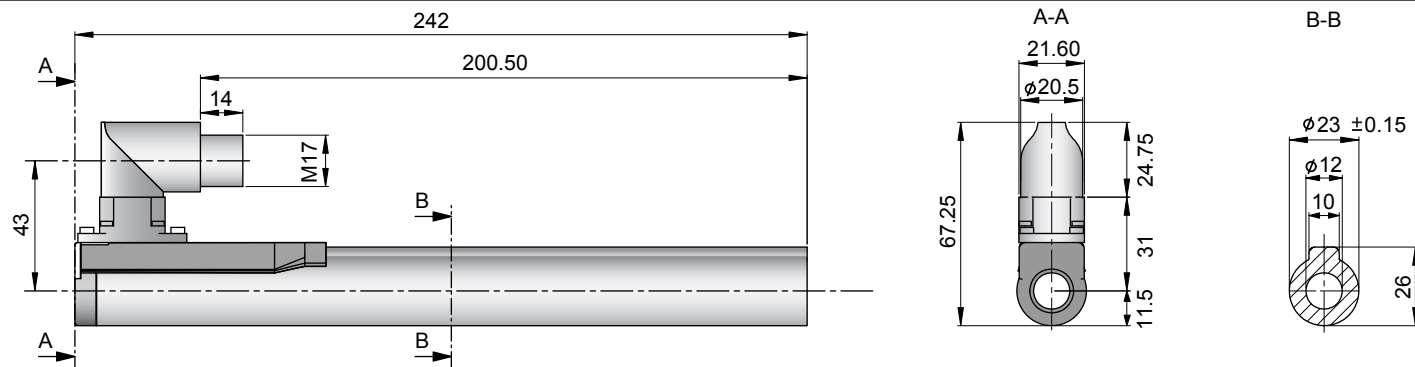
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/360x500-R	Fast Winding 23x160F/360x500-R	Standard Winding 23x160/360x500-D100 23x160/360x500-R20	Fast Winding 23x160F/360x500-R20
Extended Stroke ES	mm (in)	500 (19.69)	500 (19.69)	500 (19.69)	500 (19.69)
Standard Stroke SS	mm (in)	360 (14.17)	360 (14.17)	360 (14.17)	360 (14.17)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	580 (22.83)	580 (22.83)	580 (22.83)	580 (22.83)
Slider Mass	g (lb)	465 (1.03)	465 (1.03)	465 (1.03)	465 (1.03)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.20	±0.20	±0.20	±0.20
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

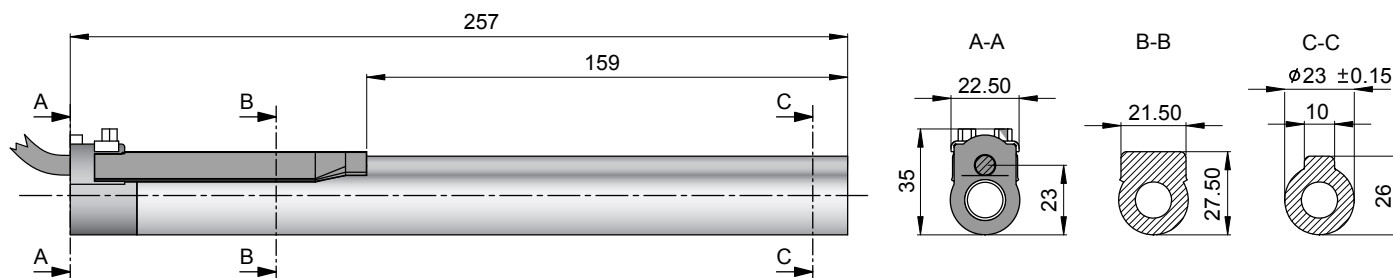


Connector Type



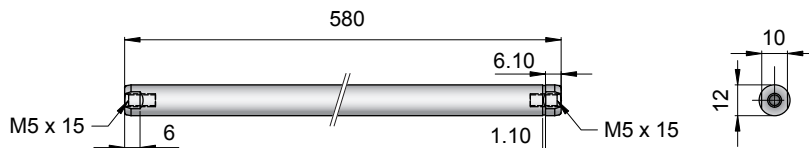
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/360x500-R	-->	PS01-23x160-R	0150-1234	& PL01-12x580/530	0150-1355
P01-23x160F/360x500-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x580/530	0150-1355

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/360x500-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x580/530	0150-1355
P01-23x160/360x500-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x580/530	0150-1355
P01-23x160F/360x500-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x580/530	0150-1355

Slider

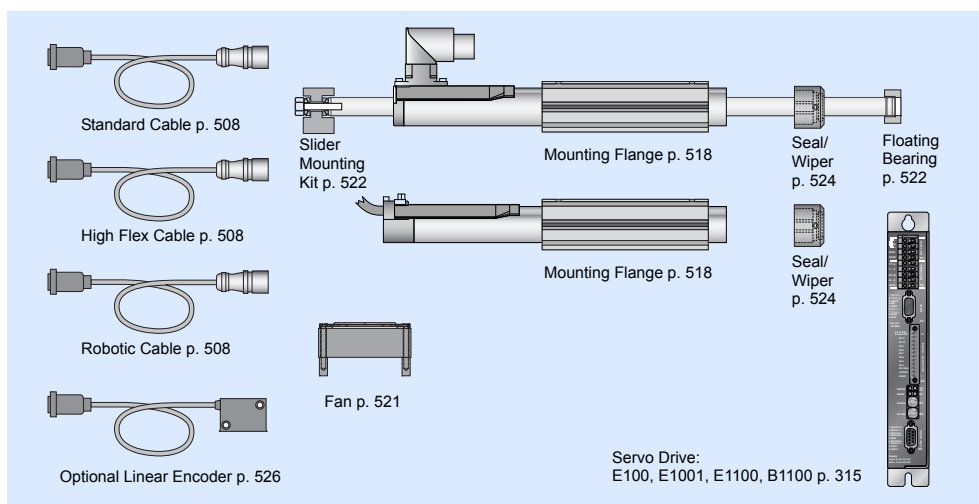


Standard Type	Slider Standard	PL01-12x580/530	0150-1355
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x580/530	0150-1356
	Hollow Slider hole diameter 4.2mm	PL01-12x580/530-L	0150-1391

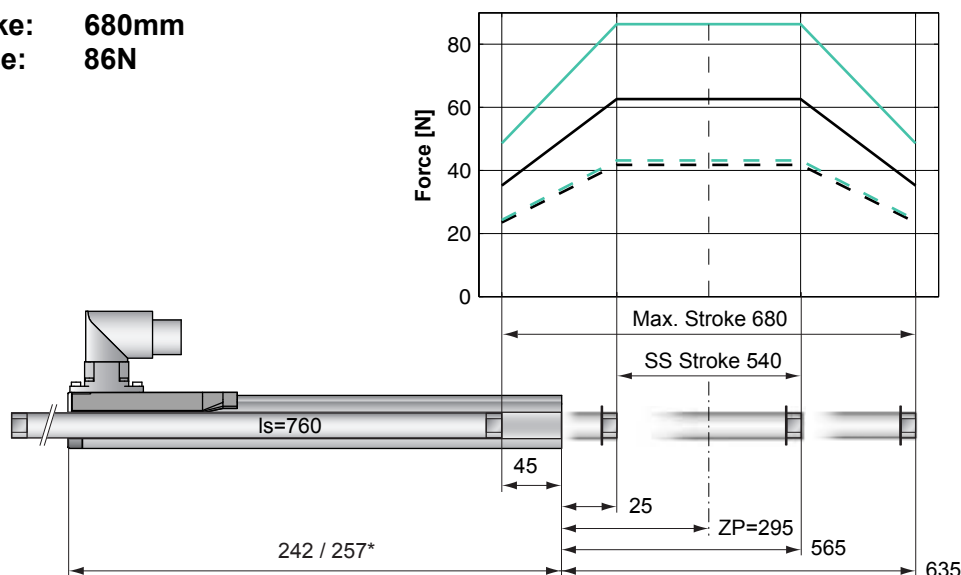
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 680mm
Peak Force: 86N

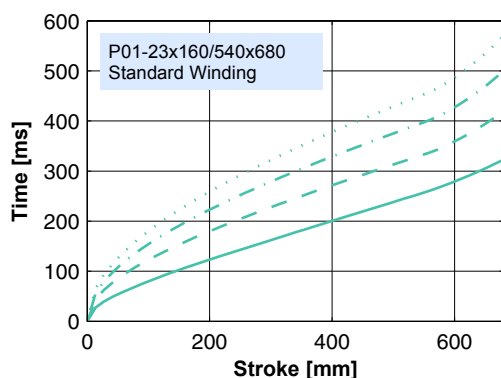


Dimensions in mm
*Cable Type

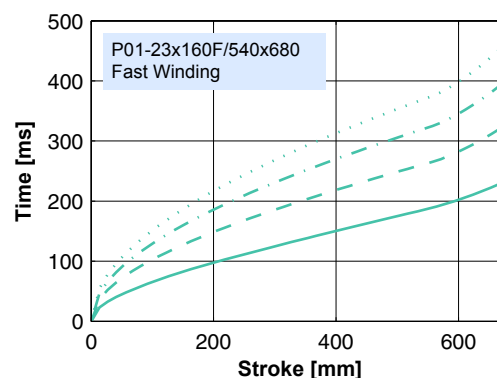
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/540x680-R	Fast Winding 23x160F/540x680-R	Standard Winding 23x160/540x680-D100 23x160/540x680-R20	Fast Winding 23x160F/540x680-R20
Extended Stroke ES	mm (in)	680 (26.77)	680 (26.77)	680 (26.77)	680 (26.77)
Standard Stroke SS	mm (in)	540 (21.26)	540 (21.26)	540 (21.26)	540 (21.26)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	760 (29.92)	760 (29.92)	760 (29.92)	760 (29.92)
Slider Mass	g (lb)	615 (1.36)	615 (1.36)	615 (1.36)	615 (1.36)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.20	±0.20	±0.20	±0.20
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

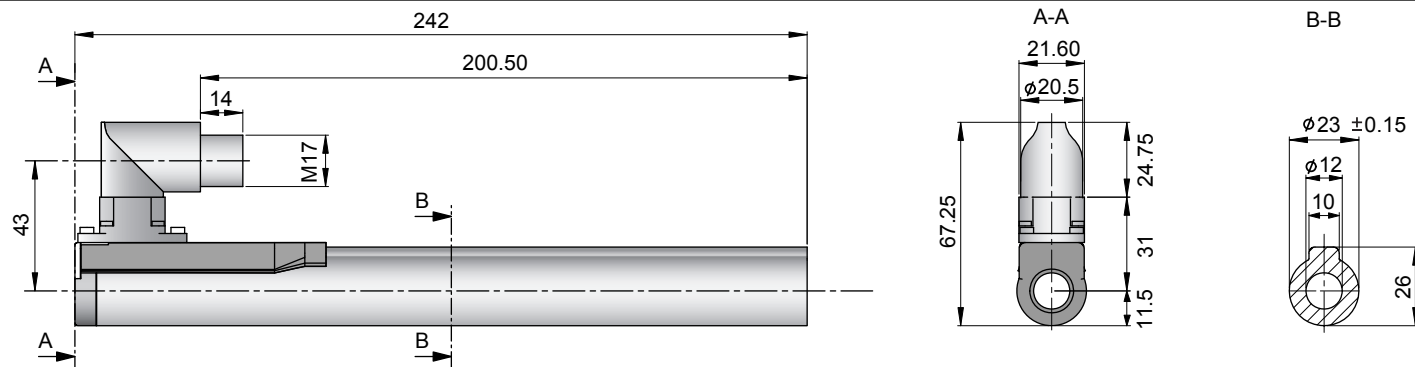


Moving Slider



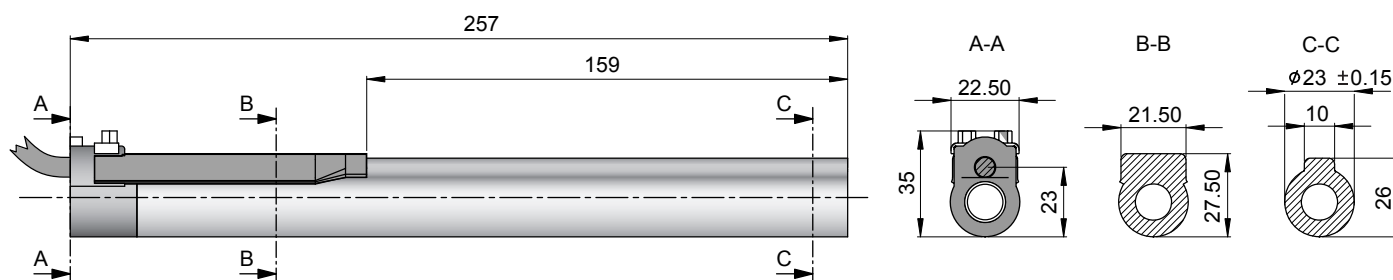
Moving Slider

Connector Type



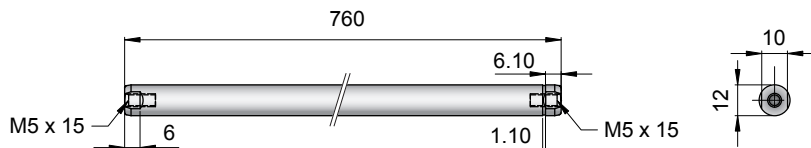
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/540x680-R	-->	PS01-23x160-R	0150-1234	& PL01-12x760/710	0150-1366
P01-23x160F/540x680-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x760/710	0150-1366

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/540x680-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x760/710	0150-1366
P01-23x160/540x680-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x760/710	0150-1366
P01-23x160F/540x680-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x760/710	0150-1366

Slider

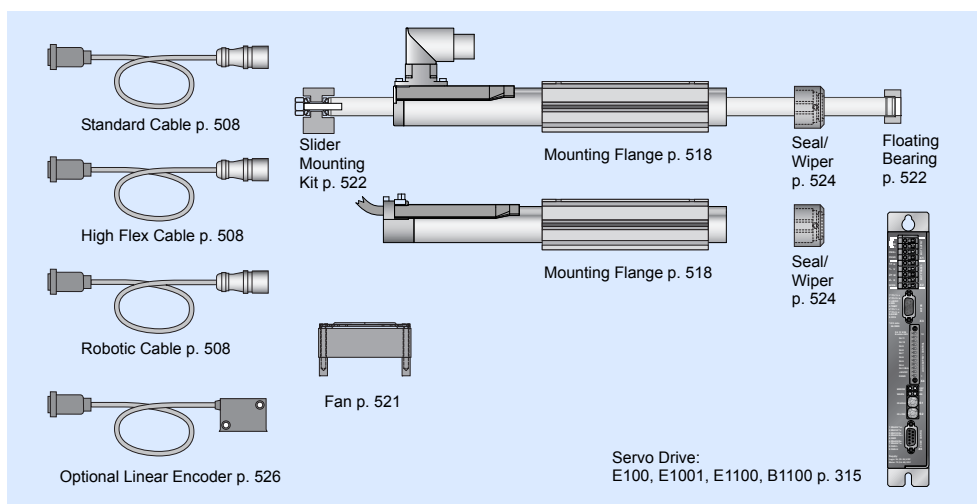


Standard Type	Slider Standard	PL01-12x760/710	0150-1366
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x760/710	on request
	Hollow Slider hole diameter 4.2mm	PL01-12x760/710-L	0150-1392

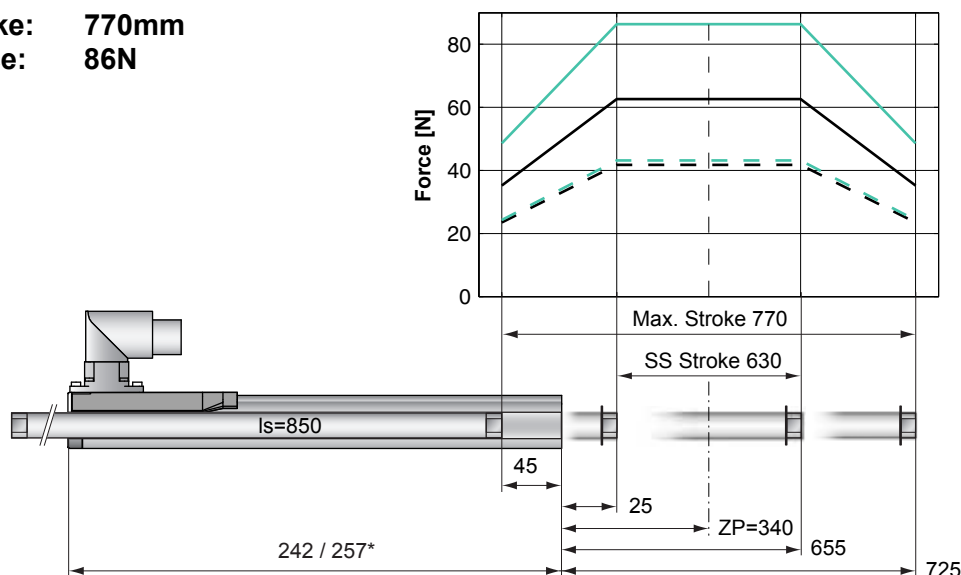
Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:		1.0m		0.2m	
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires



Max. Stroke: 770mm
Peak Force: 86N

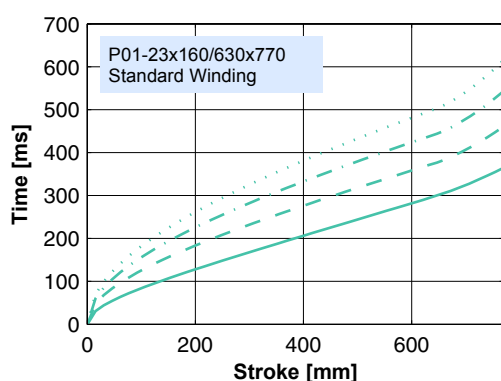


Dimensions in mm
*Cable Type

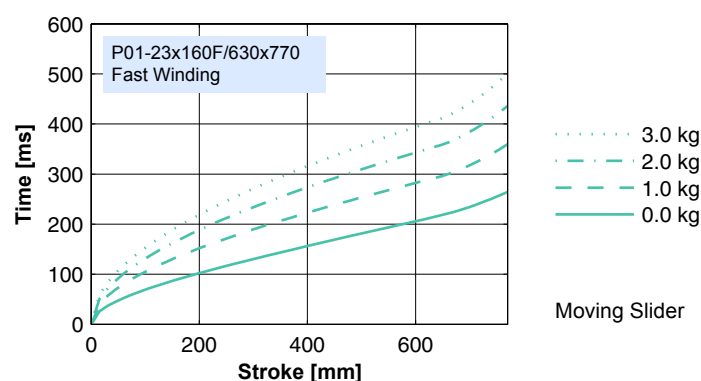
Motor Specification

		Connector Type		Cable Type	
		Standard Winding 23x160/630x770-R	Fast Winding 23x160F/630x770-R	Standard Winding 23x160/630x770-D100 23x160/630x770-R20	Fast Winding 23x160F/630x770-R20
Extended Stroke ES	mm (in)	770 (30.31)	770 (30.31)	770 (30.31)	770 (30.31)
Standard Stroke SS	mm (in)	630 (24.80)	630 (24.80)	630 (24.80)	630 (24.80)
Peak Force E1100 / E1001	N (lbf)	63 (14.1)	86 (19.4)	63 (14.1)	86 (19.4)
Peak Force E100	N (lbf)	42 (9.4)	43 (9.7)	42 (9.4)	43 (9.7)
Cont. Force	N (lbf)	17 (3.7)	17 (3.7)	17 (3.7)	17 (3.7)
Cont. Force Fan cooling	N (lbf)	31 (7.1)	32 (7.1)	31 (7.1)	32 (7.1)
Border Force	%	56	56	56	56
Force Constant	N/A (lbf/A)	22.1 (4.96)	14.4 (3.24)	22.1 (4.96)	14.4 (3.24)
Max. Current @ 72VDC	A	2.8	6.0	2.8	6.0
Max. Current @ 48VDC	A	1.9	4.3	1.9	4.3
Max. Velocity @ 72VDC	m/s (in/s)	3.0 (118)	4.6 (181)	3.0 (118)	4.6 (181)
Max. Velocity @ 48VDC	m/s (in/s)	2.0 (79)	3.1 (121)	2.0 (79)	3.1 (121)
Phase Resist. 25/80 °C	Ohm	20.6/24.9	9.0/10.9	20.6/24.9	9.0/10.9
Phase Inductance	mH	2.7	1.2	2.7	1.2
Thermal Resistance	°K/W	3.9	3.8	3.9	3.8
Thermal Time Const.	sec	1900	1800	1900	1800
Stator Diameter	mm (in)	23 (0.91)	23 (0.91)	23 (0.91)	23 (0.91)
Stator Length	mm (in)	242 (9.53)	242 (9.53)	257 (10.12)	257 (10.12)
Stator Mass	g (lb)	450 (0.99)	450 (0.99)	450 (0.99)	450 (0.99)
Slider Diameter	mm (in)	12 (0.47)	12 (0.47)	12 (0.47)	12 (0.47)
Slider Length	mm (in)	850 (33.46)	850 (33.46)	850 (33.46)	850 (33.46)
Slider Mass	g (lb)	690 (1.52)	690 (1.52)	690 (1.52)	690 (1.52)
Position Repeatability	mm (in)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)	±0.05 (±0.0020)
Linearity	%	±0.20	±0.20	±0.20	±0.20
Repeatability with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)
Linearity with EPS	mm (in)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)	±0.01 (±0.0004)

Position-Time Diagram

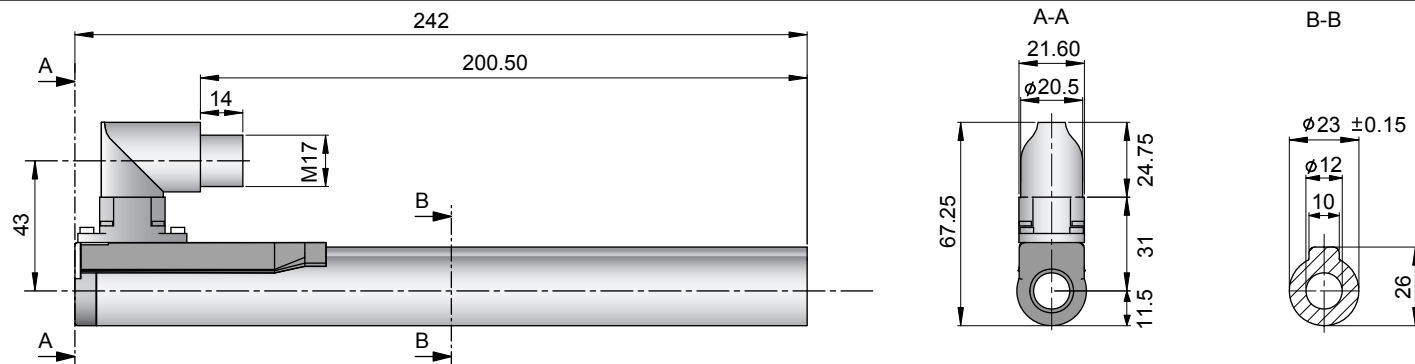


Moving Slider



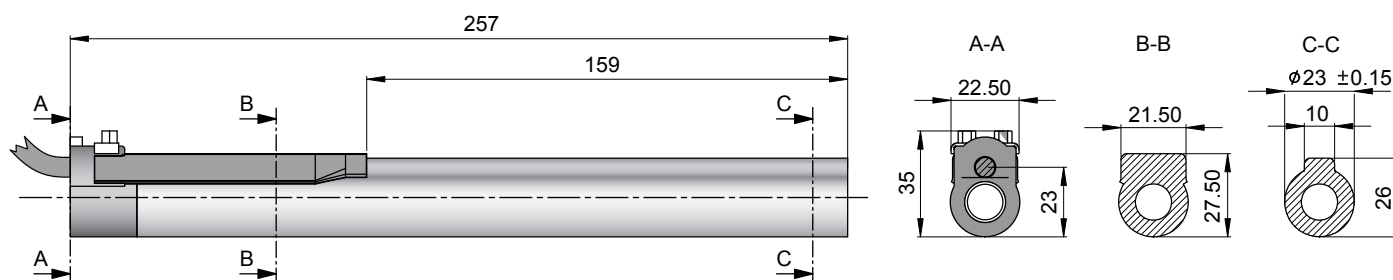
Moving Slider

Connector Type



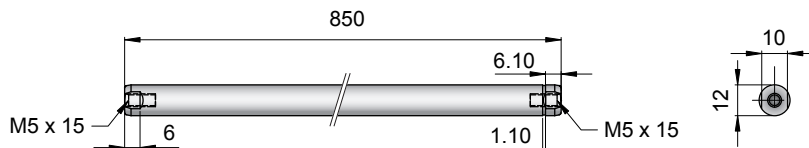
Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/630x770-R	-->	PS01-23x160-R	0150-1234	& PL01-12x850/800	0150-1365
P01-23x160F/630x770-R	-->	PS01-23x160F-R	0150-1235	& PL01-12x850/800	0150-1365

Cable Type



Linear Motor		Stator		Slider	
Type	Art.No	Type	Art. No.	Type	Art No.
P01-23x160/630x770-D100	-->	PS01-23x160-D100	0150-1202	& PL01-12x850/800	0150-1365
P01-23x160/630x770-R20	-->	PS01-23x160-R20	0150-1242	& PL01-12x850/800	0150-1365
P01-23x160F/630x770-R20	-->	PS01-23x160F-R20	0150-1243	& PL01-12x850/800	0150-1365

Slider



Standard Type	Slider Standard	PL01-12x850/800	0150-1365
Special Sliders	Heavy Duty Slider with WC/C-Coating	PL02-12x850/800	on request
	Hollow Slider hole diameter 4.2mm	PL01-12x850/800-L	on request

Connectors

Motor Connector Wiring		P01-23...-R P01-23...-R20		P01-23...	
Cable Length:					
P01-23x160...	1.0m				
P01-23x160...-R20	0.2m				
Ph 1+	red	1	1		
Ph 1-	pink	2	6		
Ph 2+	blue	3	2		
Ph 2-	grey	4	7		
+5VDC	white	A	3		
GND	inner Shield	B	8		
Sine	yellow	C	4		
Cosine	green	D	9		
Temp.	black	E	5		
Shield	outer Shield	Case	Case		

Accessoires

