

Higher Load Capacity Linear Motion Products

FULRIDE



**Low Noise Linear Motion Products using
Miniature Thrust Angular Ball Bearings**

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Fulride is a roller type linear motion products equipped with internally developed Miniature Thrust Angular Ball Bearings "**CROXY**".

Low friction torque with low noise is realized, by smooth rotation of **CROXY**

Simple design and easy handling.

(Fulride can be applied to belt-type actuator.)

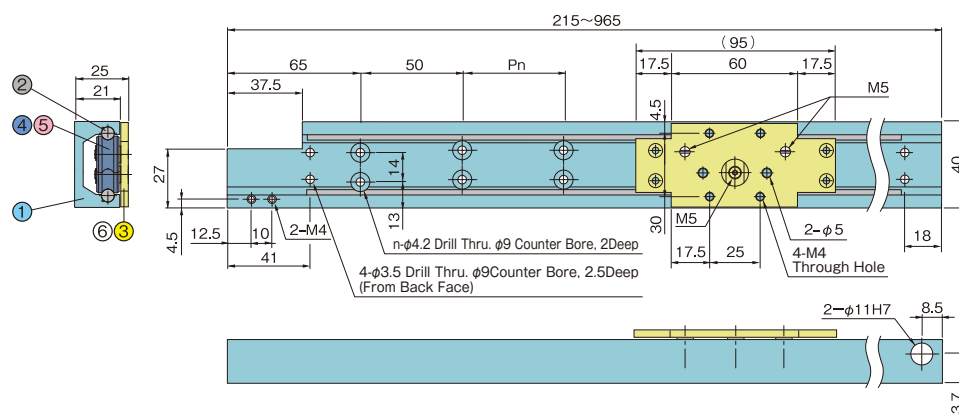
Feature

- Roller Type Linear Motion Products.
- Higher Load Capacity by using miniature thrust angular ball bearing.
- Available to belt-type actuator.
- Low noise by roller type.

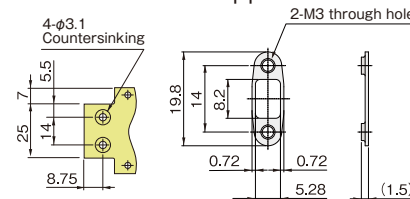


Example (Electro motion Actuator)

Size



Belt Stopper



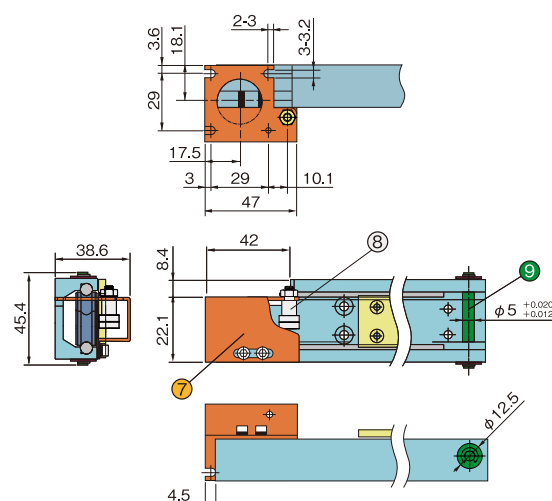
Main Body (Standard Parts)

Parts	Material·Specification	Q'ty
① Rail Base	A6063	1
② Rail Shaft	Austenitic Series High Strength Steel	2
③ Slider	SUS430	1
④ Roller	13Cr Stainless Steel (Heat Treated)	3
⑤ Bearing	Miniature Thrust Angular Bearings	6
⑥ Belt Stopper	SUS304	2

M3×8 countersunk screw (SUS) for installation are attached into Belt Stopper.

Bracket Size (Option)

(For 35□ Motor Bracket)



Peripheral Parts (Option)

Parts	Material·Specification	Q'ty
⑦ Motor Bracket		
Motor Bracket	SUS304	1
Fixing Screw	Trivalent Chromate	2
Spacer	Trivalent Chromate	2
Spring Spacer	Trivalent Chromate	2

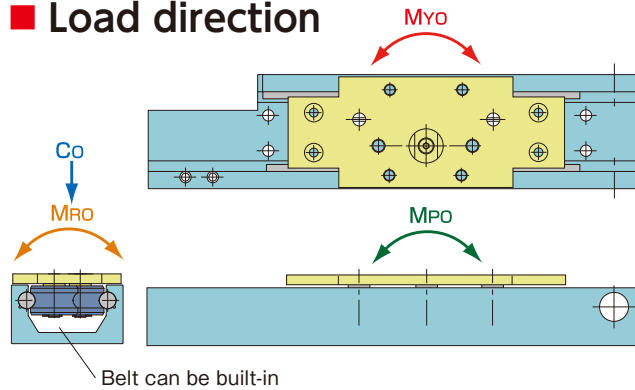
Parts	Material·Specification	Q'ty
⑨ 従動側部品		
Idler pulley shaft	SUS303	1
bearing	SUJ2	2
E-type snap ring	Trivalent Chromate	2

Parts	Material·Specification	Q'ty
⑧ Belt Tensioner		
Belt Tensioner Shaft	SUS303	1
Bearing	SUS440C	2
Spacer	Trivalent Chromate	1
Nut	Stainless Steel	1

Please contact us for 42□ motor bracket.

Only option parts are available to purchase

■ Load direction

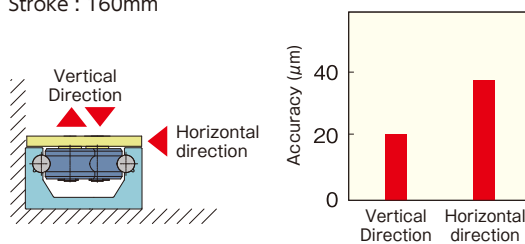


	Co	MRO	MPO	Myo
Static tolerance load	550(N)	6.0(N·m)	7.9(N·m)	5.0(N·m)

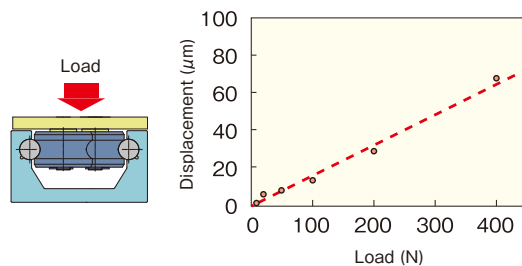
■ Products Performance

Running Accuracy

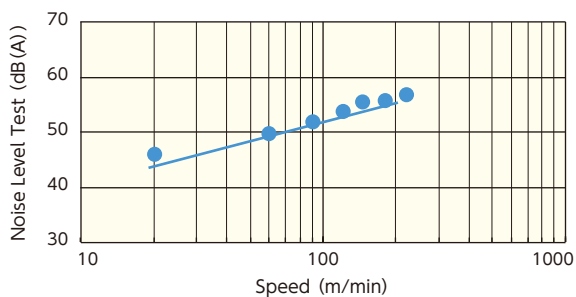
Stroke : 160mm



Load and Displacement



Noise Level Test

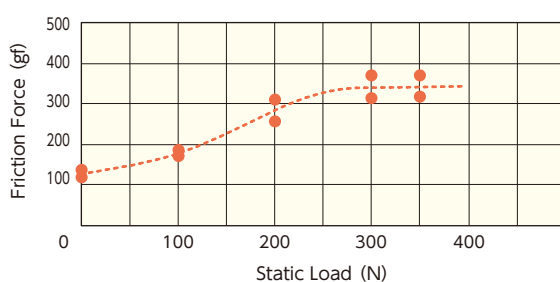


Test Conditions (Internal Test)

- Test direction : Horizontal (Slider Upward)
- Lubricant : Yes
- Stroke : 750mm
- Mic Height : 500mm from Slider upper surface

The noise level rises slowly with the speed change, and is about 50 dB when moving at 100 m/min speed.

Force to move slider (friction force)



Test Conditions (Internal Test)

- Test direction : Horizontal (Slider Upward)
- Lubricant : Yes
- Load position : Center of slider
- Measuring Method : Place a load on the slider and read the value with a load cell when the slider moves

As the load increases, the friction forth increases, but it moves below about 350 gf.

■ Standard Dimension

Type No.	Rail length	Hole Pitch P				No. of hole	Stroke	weight(g)
		1	2	3	4			
40SW215SA	215	50	0	0	0	6	55	357
40SW265SA	265	100	0	0	0	6	105	425
40SW315SA	315	150	0	0	0	6	155	493
40SW365SA	365	100	100	0	0	8	205	561
40SW415SA	415	150	100	0	0	8	255	628
40SW465SA	465	100	200	0	0	8	305	695
40SW515SA	515	150	200	0	0	8	355	762
40SW565SA	565	200	200	0	0	8	405	830
40SW615SA	615	200	200	0	0	8	455	899
40SW665SA	665	200	200	200	0	10	505	968
40SW715SA	715	200	200	200	0	10	555	1037
40SW765SA	765	200	200	200	0	10	605	1106
40SW815SA	815	200	200	200	0	10	655	1175
40SW865SA	865	200	200	200	200	12	705	1244
40SW915SA	915	200	200	200	200	12	755	1313
40SW965SA	965	200	200	200	200	12	805	1382

※Please contact us if length longer than 965mm is required.

About Type No.

40SW 215 S A
 ① ② ③ ④

① 40SW: Fulride common no.

② Rail Length: Select from Standard Dimension Table

③ No. of Slider

S: Single Slider

W: Double Slider

T: Please contact us if 3 or more slider are required.

④ Ball Bearing Specification

A: Miniature Thrust Angular Contact Bearing

■ Option Parts

Type No.	Contents
40SWOP02	Motor Bracket • Belt Tensioner • Driven Side Parts

[Cautions when using]

- Lubricants on roller running surface are needed. Please lubricate properly.
- Do not dismantle each parts. It may cause loss of function.
- Do not drop , knock **FULRIDE**.
- Be careful to get in particles such as dust ,metal chips into roller running surface.
- Do not use under water, particles, other than normal temperature and extreme reciprocation that is able to generate frictional heat, It may cause damage or loss of function.
- Slowly insert slider when re-assemble it after remove from rail.
- Visit our website for latest information.

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※Contents may be revised without prior notice.