



House of **Automation Products**

Customized Robots Manufacturing

Pneumatics

Linear Motion Products

Self Lubricating Bush

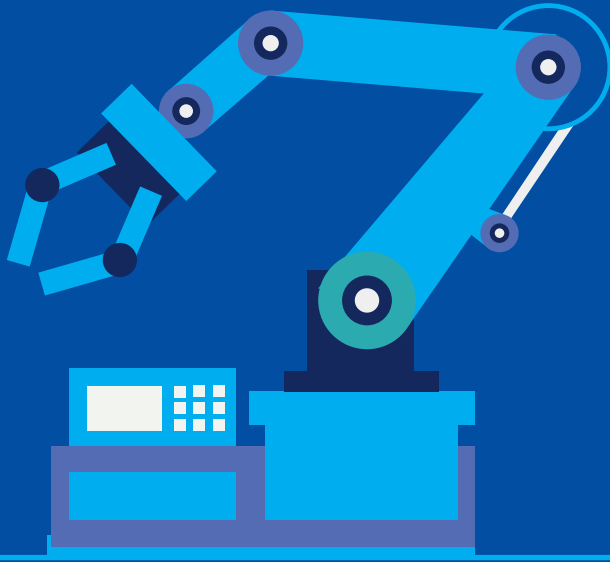
Aluminum Extrusion & Their Accessories

Hard Chrome & Induction Hard Rods

3D Printing Services

Special Purpose Machines

Linear Actuators



2025

About us

We **Saiprasad Enterprises (formerly known as Saiprasad Traders)** pleased to introduce ourselves as a leading Trading and manufacturing organization in the field of Automation Industries. We also like to introduce ourselves as a solution provider with a wide range of Linear Motion Products including LM Guideways & Ball Screws- Rolled OR Ground, Standard OR Special as per customer's requirement. We are importer and dealer of other linear products including hardened and ground Shafts, LM Bearing, Housing with LM Bearings, Shaft support assembly, Cross roller guide, Frictionless tables, Track roller guide systems.

Our other Trading/ Manufacturing products are - **Pneumatic Cylinder & Accessories, Hydraulic cylinders, Electrical Sensors, MU Bush, Aluminum Extrusion & Joining Accessories, Guiding Cylinders, Control panels- Pneumatic Or Electrical, Pneumatic Piping etc.** We also provide customized modular systems.

We are specialized in manufacturing of Robots, Multiaxis Linear Slides, Aluminum Extrusion Work Stations and Tables.

These products are widely accepted and adopted by ARDE, Ammunition Factory, H.E.M.R.L., L&T, Forbes Marshal, Mahindra & Mahindra, Sandvik Asia, FIAT, TATA, Crompton Greaves, and many more These are used in field such as **Machine tools, SPMs, GPM Industry, Metrology, Measuring & Inspection Machines, Diamond Processing, Packaging, Electronics, Printing, Painting, Welding, Pharmaceuticals, Robotics & Automation, General Engineering industry & similar related industrial products.**

We are proud of providing superior quality products and have ability to meet scheduled deliveries, from basic assemblies to complex Linear Motion Systems & custom made multi axis slide assemblies having LM Guides combined with Ball Screw Drive, or Belt Drive. These slides have capacities to perform a variety of tasks from simplex to complex application to your specifications including design & manufacturing at our own Tool Room.

We are always prepared to accept challenges for any of your unique requirements of new development. We invite customers with their applications for design challenges, where we can expose our knowledge and experience for the right solution.

We are registered with Ordnance factory and DRDO's

Now, we look forward for your valuable enquiries/ orders.

Thanking you in anticipation & assuring you of our best services at all the times.

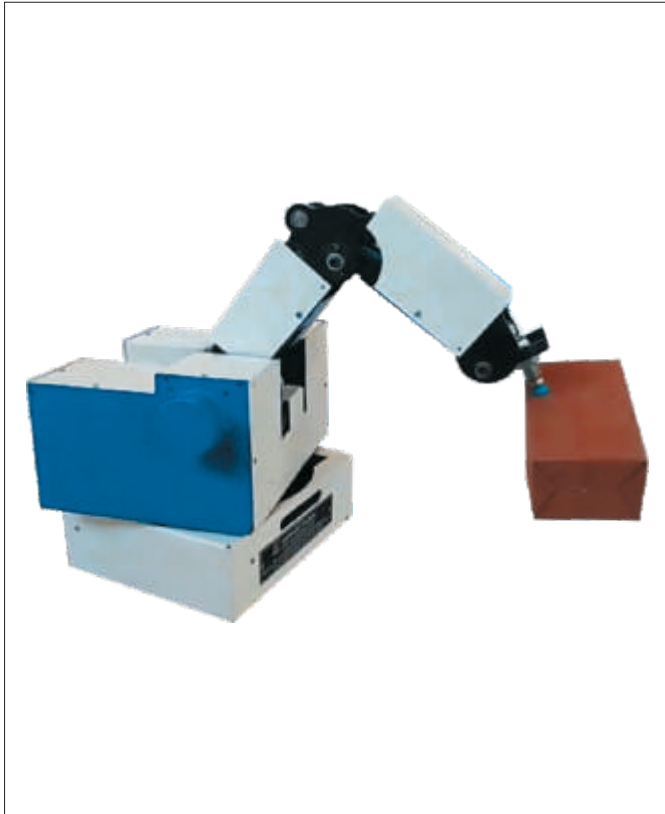
With Best Regards,

We were formerly known as Saiprasad Traders

Mr. Rupesh Kulkarni
Saiprasad Enterprises

"To Give Better Than Best in Service".





4 Axis Robot with Vacuum



4 Axis Robot



6 Axis Robot



7 Axis Robot



Guide Cylinders & Table



Rotary Actuator &
Clamp Cylinders



Rodless Cylinders &
Electric Actuators



Stopper Cylinders



Hydraulic Cylinders



Standard Cylinders



Compact Cylinders



Mini Cylinders



Grippers



Other Auxiliary Equipments



PLC Control System



Solenoid Valve



Solenoid Valve (2 Way)



Pilot & Mechanical Valve



Air Units



Compressed Air Dryer



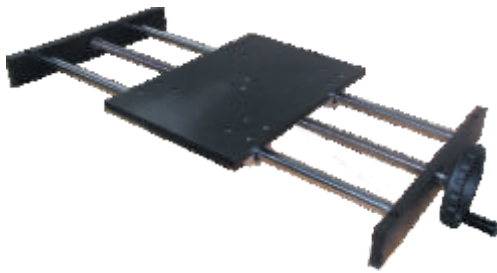
Torque : 6000 N.
Speed : 4.36 mm/sec.
Std. Stroke (In mm) : 100, 200, 300, 400, 500
Operating Voltage : 12 VDC / 24 VDC
Operating Temp. : 5°C / 60°C



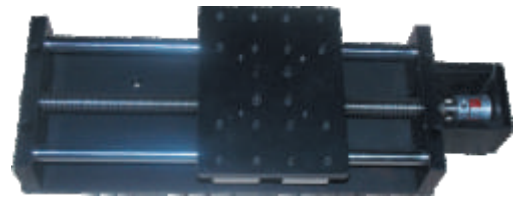
Torque : 750 N.
Speed : 10 mm/sec.
Std. Stroke (In mm) : 50, 100, 150, 200, 250,
300, 400 & 500
Operating Voltage : 12 VDC / 24 VDC
Operating Temp. : 5°C / 60°C



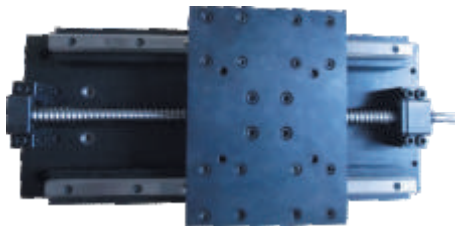
Torque : 2500 N.
Speed : 10 mm/sec.
Std. Stroke (In mm) : 50, 100, 150, 200, 250,
300, 350, 450, 500 & 600
Operating Voltage : 24 VDC
Operating Temp. : 5°C / 60°C



Ball Screw With Guide Rod
Travel 450 mm



Guide Rod And Ball Screw Linear Slide



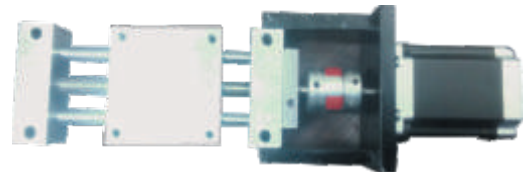
L.m. Guide And Ball Screw Linear Slide



Lead Screw Guide Rod Slide Travel 300 mm



L.M. Guide With Ball Screw Travel 200 mm



Mini Guide Rod Lead Screw Motorised
Travel 50 mm



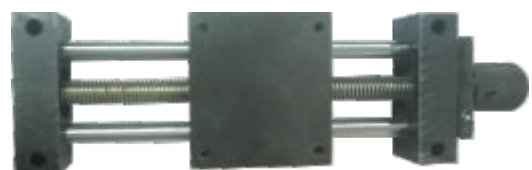
Lead Screw With Guide Rod
Travel 400 mm



Ball Screw With Guide Rod
Travel 2000 mm



Ball Screw With L.M. Guide Rod
Travel 1500 mm



Lead Screw With Guide Rod
Travel 50 mm



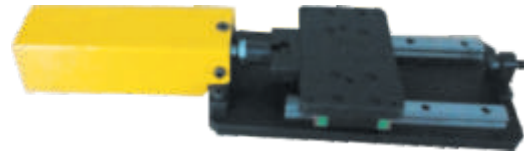
Ball Screw With L.M. Guide
Travel 450 mm



Timing Belt Slide

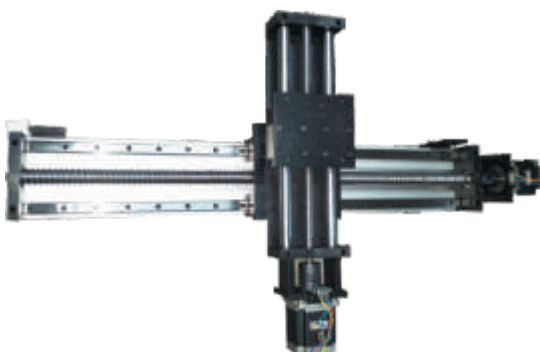
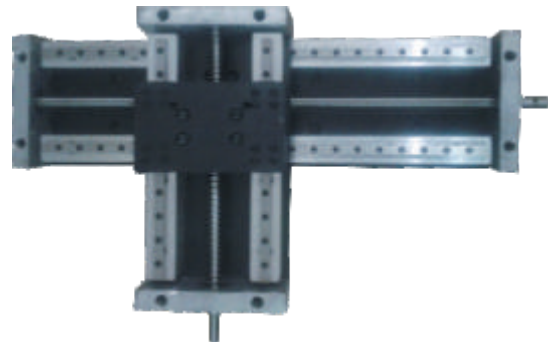
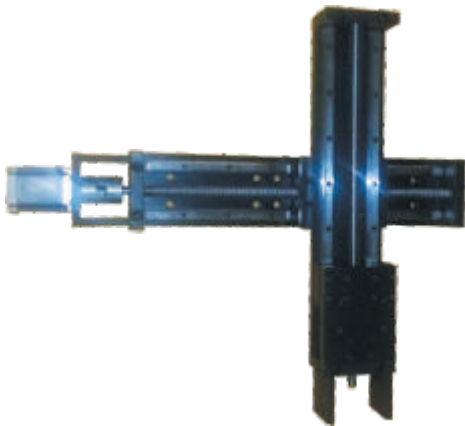


Timing Belt Slide Travel 300 mm



Pneumatic Slide Travel 100 mm

X-Y LINEAR SLIDES





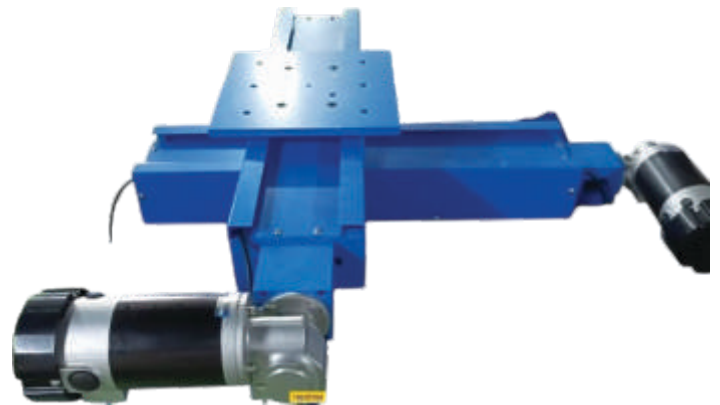
Linear Slide



Linear Slide



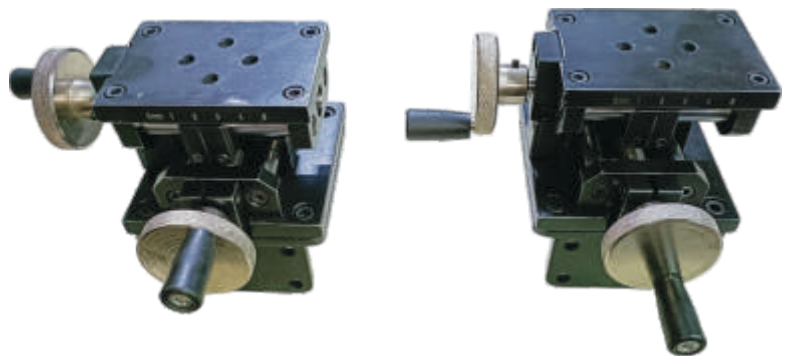
Miniature Linear Slide



Motorised XY Slide

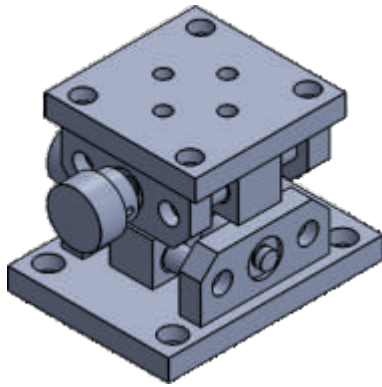


Vertical Linear Slide

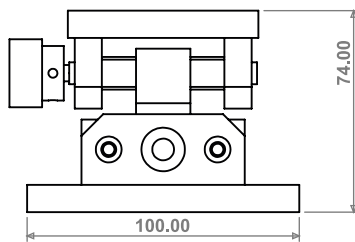


XY Linear Slide

25.00 MM TRAVEL X-Y SLIDE



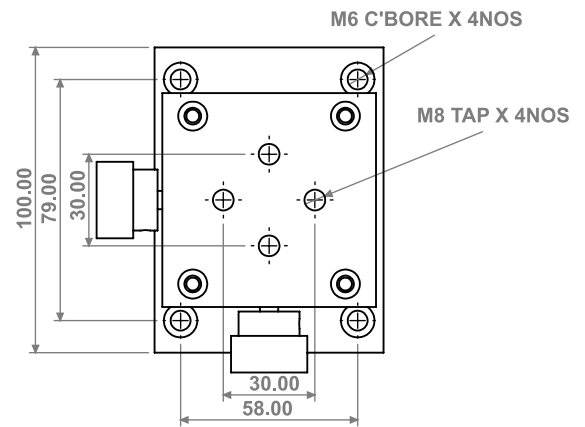
ISOMETRIC VIEW



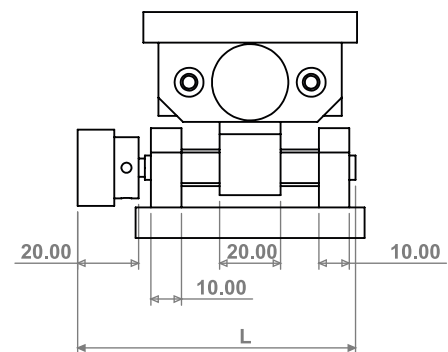
SIDE VIEW

$L = 2 \text{ SIDE PLATES} + \text{CARRIAGE} + \text{KNOB} + \text{TRAVEL}$

$L = 10 + 20 + 20 + \text{TRAVEL}$

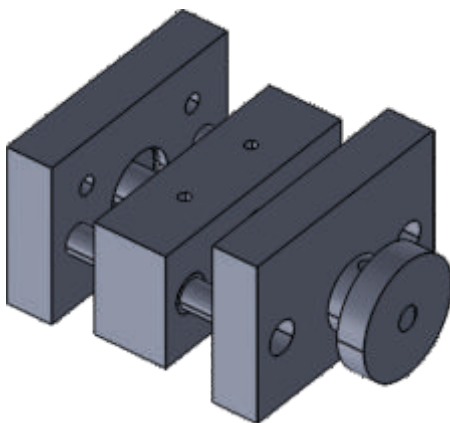


TOP VIEW



FRONT VIEW

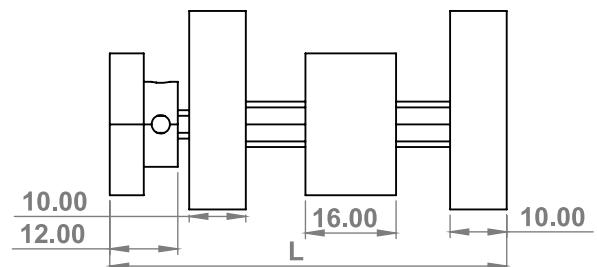
50.00 MM WIDTH SLIDE



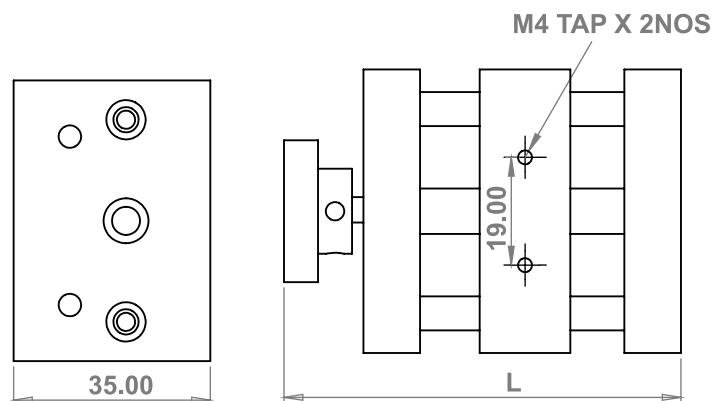
ISOMETRIC VIEW

$L = 2 \text{ SIDE PLATES} + \text{CARRIAGE} + \text{KNOB} + \text{TRAVEL}$

$L = 20 + 16 + 12 + \text{TRAVEL}$

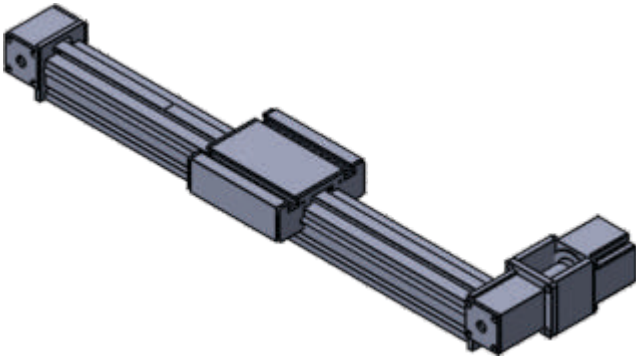


TOP VIEW

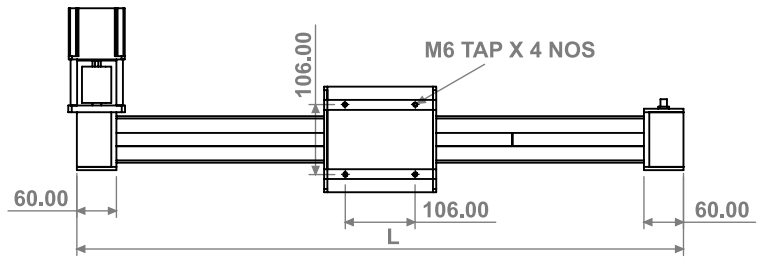


SIDE VIEW

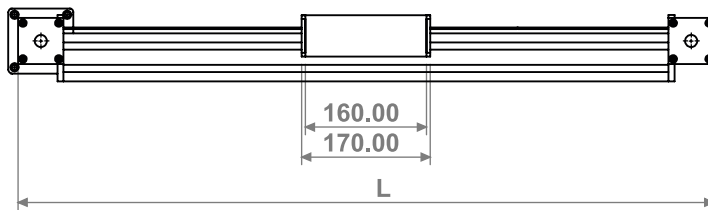
FRONT VIEW



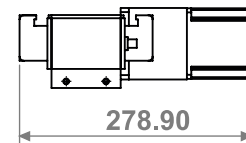
ISOMETRIC VIEW



TOP VIEW



FRONT VIEW



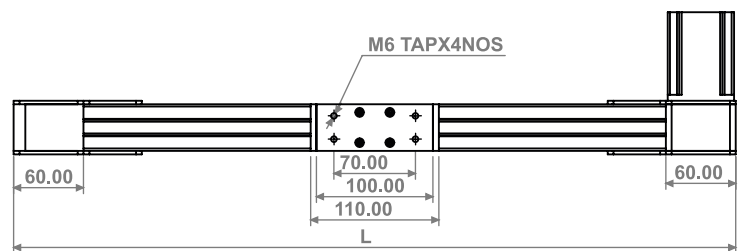
SIDE VIEW

$$L = \text{END BLOCK} + \text{CARRIAGE OVER PLATE} + \text{CARRIAGE} + \text{END BLOCK} + \text{TRAVEL}$$

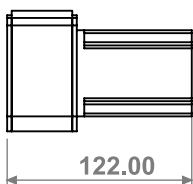
$$L = 60 + 10 + 160 + 60 + \text{TRAVEL}$$

RECIPROCATING SLIDE 40X40

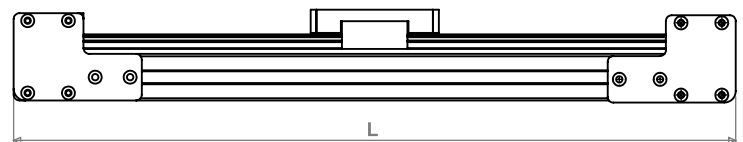

ISOMETRIC VIEW



TOP VIEW



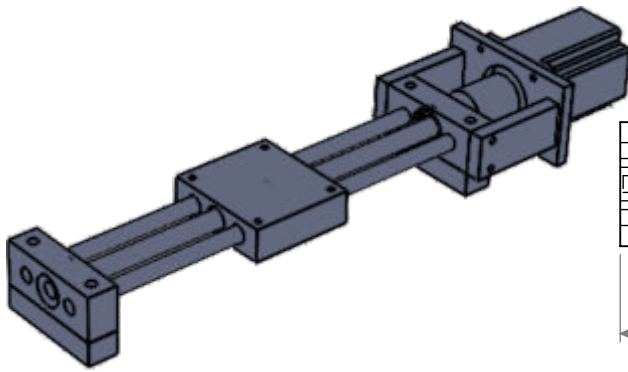
SIDE VIEW



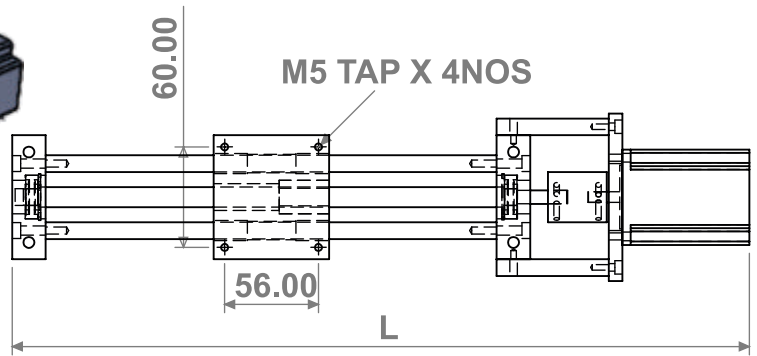
FRONT VIEW

$$L = \text{END BLOCK} + \text{CARRIAGE} + 2 \text{ CARRIAGE COVER PALTES} + \text{END BLOCK} + \text{TRAVEL}$$

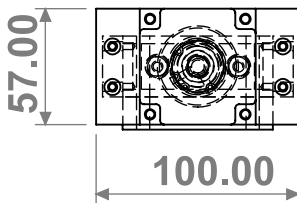
$$L = 60 + 100 + 20 + 60 + \text{TRAVEL}$$



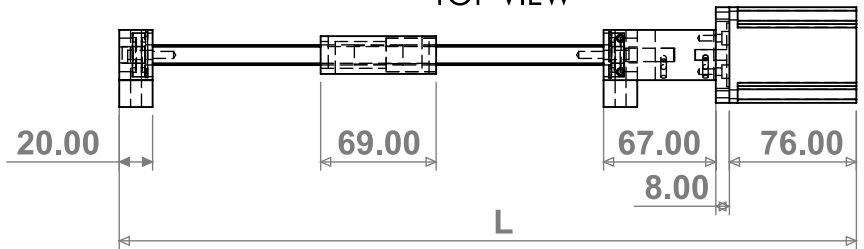
ISOMETRIC VIEW



TOP VIEW



SIDE VIEW

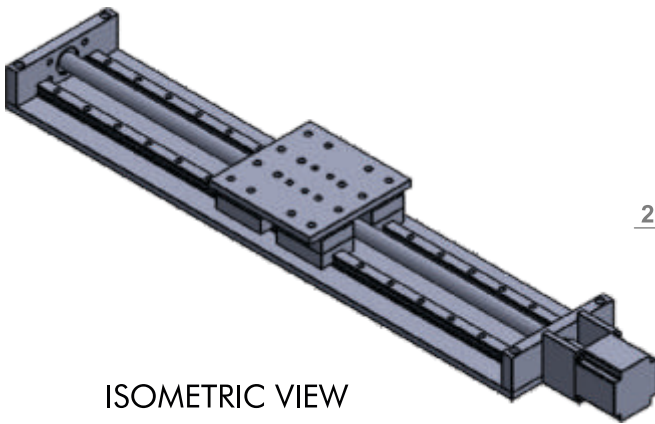


FRONT VIEW

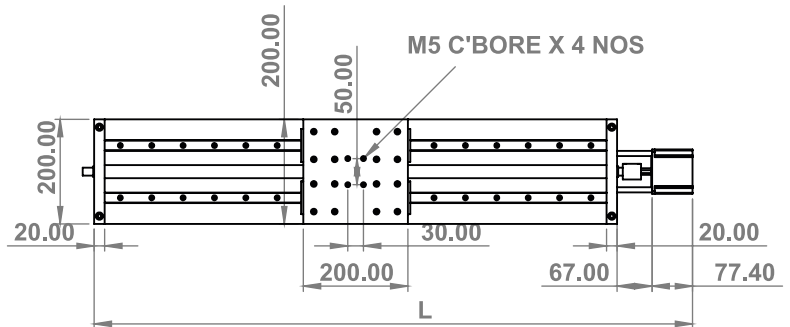
$$L = 2 \text{ SIDE PLATES} + \text{CARRIAGE} + \text{SPACER-SIDE PLATE} + \text{MOTOR MOUNTING PLATE} + \text{MOTOR} + \text{TRAVEL}$$

$$L = 40 + 69 + 67-20 + 8 + 76 + \text{TRAVEL}$$

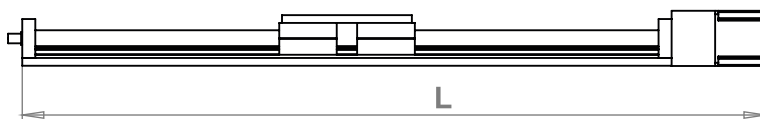
LINEAR SLIDE 200 MM WIDTH (RAIL)



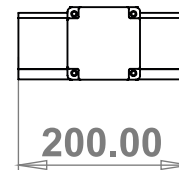
ISOMETRIC VIEW



TOP VIEW



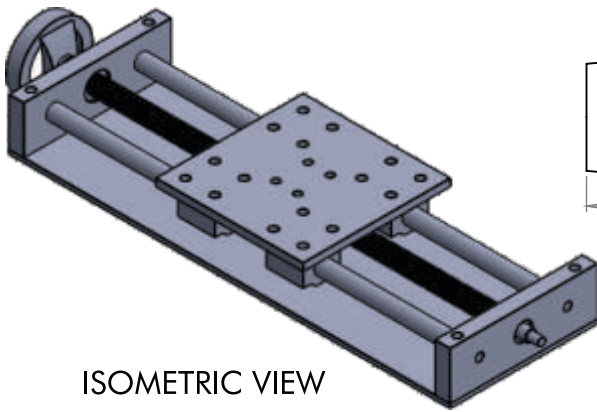
FRONT VIEW



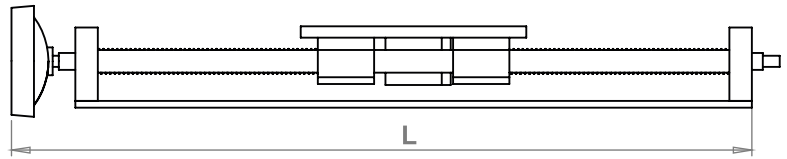
SIDE VIEW

$$L = 2 \text{ SIDE PLATES} + \text{CARRIAGE} + \text{MOTOR SIDE PLATES} + \text{KNOB} + \text{TRAVEL}$$

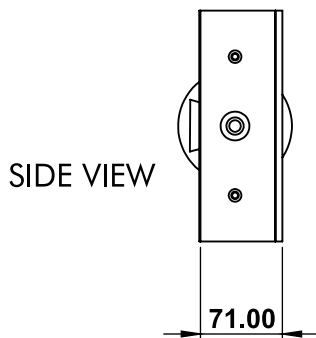
$$L = 40 + 200 + 67 + 77 + \text{TRAVEL}$$



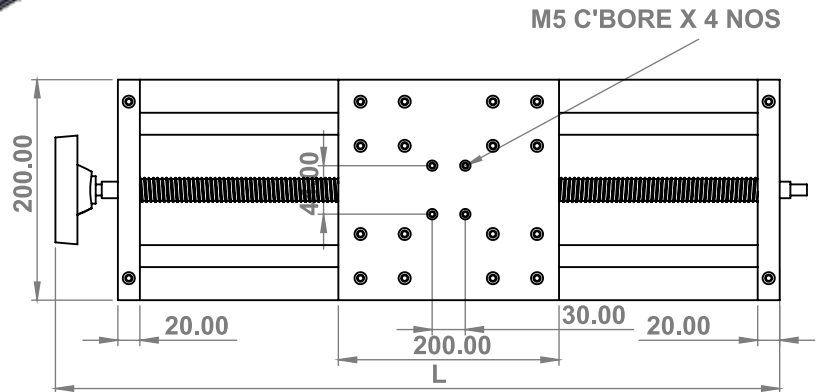
ISOMETRIC VIEW



TOP VIEW

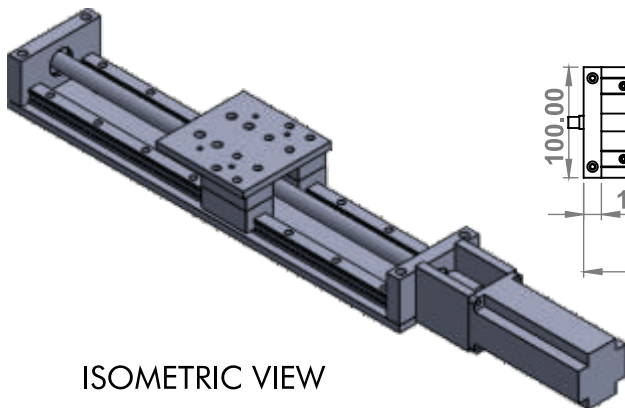


SIDE VIEW

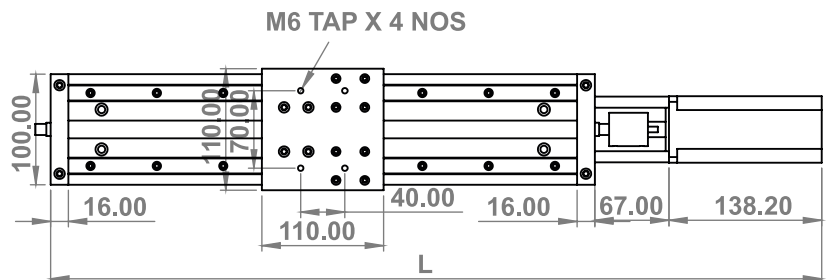


FRONT VIEW

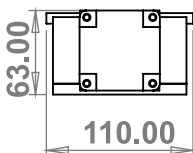
$$\begin{aligned}
 L &= 2 \text{ SIDE PLATE} + \text{CARRIAGE} + \text{HANDWHEEL} + \text{STROKE} \\
 L &= 40 + 200 + \text{HANDWHEEL} + \text{STROKE}
 \end{aligned}$$

LINEAR SLIDE OF CARRIAGE 100X110


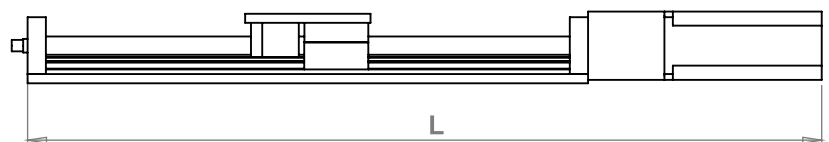
ISOMETRIC VIEW



TOP VIEW

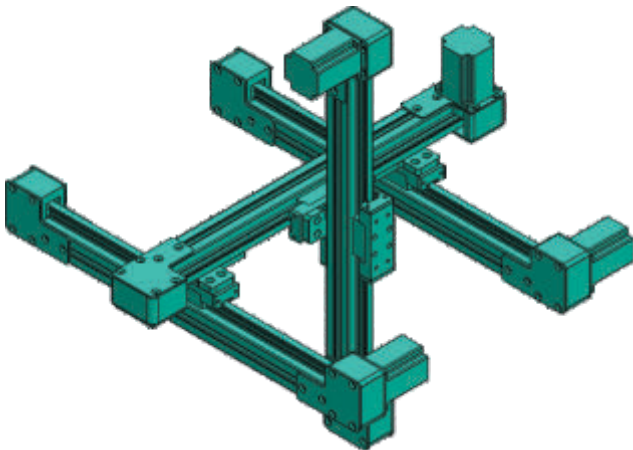


SIDE VIEW

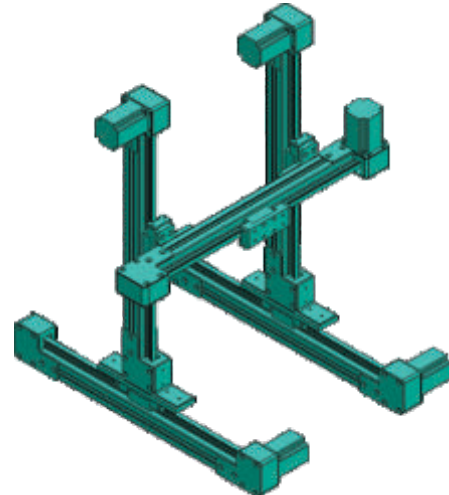


FRONT VIEW

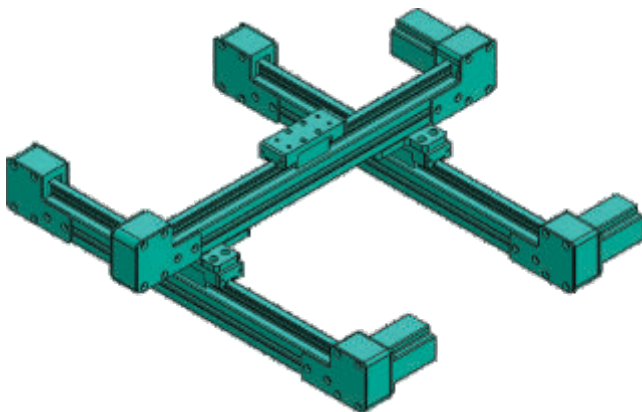
$$\begin{aligned}
 L &= 2 \text{ SIDE PLATES} + \text{CARRIAGE} + \text{MOTOR MOUNT PLATES} + \text{MOTOR} + \text{TRAVEL} \\
 L &= 32 + 110 + 67 + 138 + \text{TRAVEL}
 \end{aligned}$$



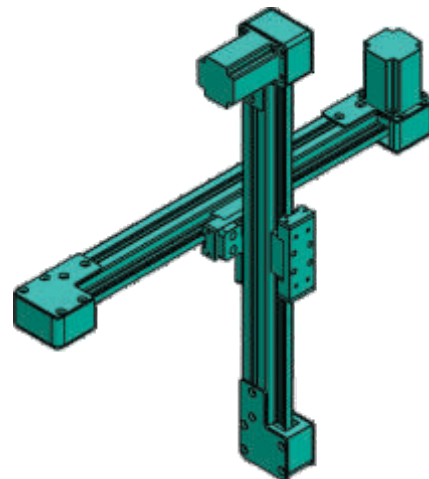
X-Y-Z Linear Slide (Reciprocator)



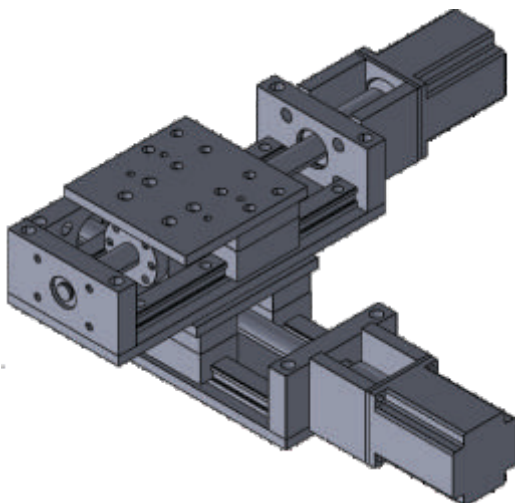
X-Y-Z Linear Slide (Reciprocator)



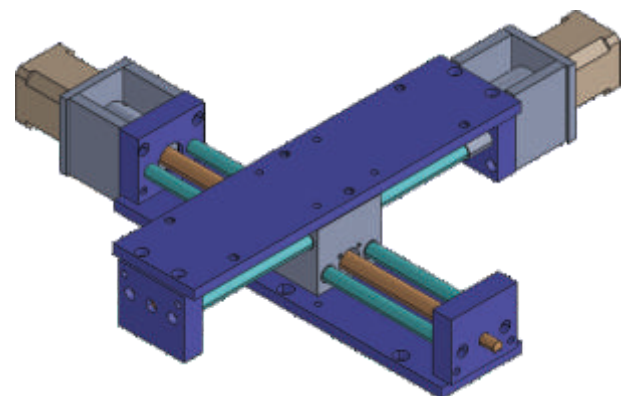
X-Y Linear Slide (Reciprocator)



X-Z Linear Slide (Reciprocator)



X-Y Linear Slide with L.M. Guide & Ball Screw



X-Y Linear Slide with Guide Rod & Lead Screw

HARD & GROUND CHROME PLATED SHAFT



Technical Details

Diameter D mm	Part No.		Tolerance g6 mm	Effective Case Hardened Zone	Weight kgf/ m	Length L
6	LCS	6	-4 to -12	1.0 mm	0.23	2000
8	LCS	8	-5 to -14	1.0 mm	0.40	2000
10	LCS	10		1.0 mm	0.62	4000
12	LCS	12		1.0 mm	0.89	4000
16	LCS	16	-6 to -17	1.0 mm	1.58	4000
20	LCS	20	-7 to -20	1.5 mm	2.47	4000
25	LCS	25		1.5 mm	3.85	4000
30	LCS	30		1.5 mm	5.55	4000
35	LCS	35	-9 to -25	2.0 mm	7.55	4000
40	LCS	40		2.0 mm	9.87	4000
50	LCS	50	-10 to -29	2.0 mm	15.4	4000
60	LCS	60		2.5 mm	22.2	4000
80	LCS	80	-12 to -34	2.5 mm	39.5	3000
100	LCS	100		2.5 mm	61.7	3000
120	LCS	120	-14 to -39	3.0 mm	88.8	3000
150	LCS	150		3.0 mm	139	3000

SELF LUBRICATING BUSH



D1	D2	L
03	4.5	03
		04
		05
		06
04	5.5	03
		04
		06
		10
05	07	05
		08
		10
06	08	04
		06
		08
07	09	10
08	10	06
		08
		10
		12
10	12	08
		10
		12
		15
		20
12	14	08
		10
		12
		15
		20
		25
13	15	10
		20
		25
14	16	05
		10
		12
		15
		20
		25
15	17	10
		12
		15
		20
		25
		25

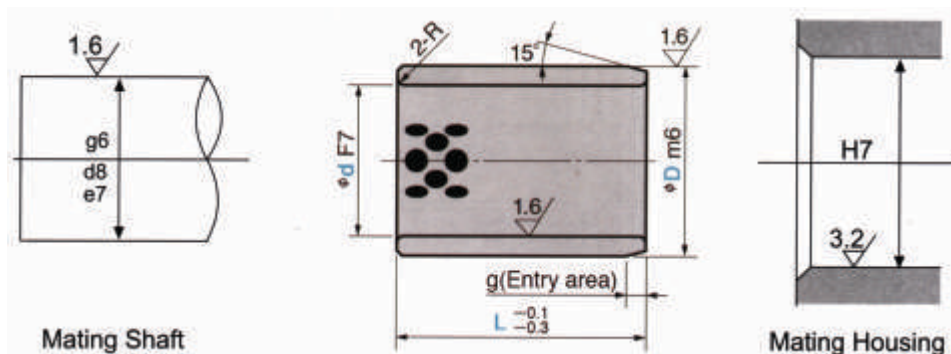
D1	D2	L
16	18	10
		12
		15
		20
		25
17	19	15
18	20	10
		15
		20
		25
		25
20	22	10
20	23	15
		20
		25
		30
		30
		30
22	25	15
		20
		25
		30
24	27	15
		20
		25
		30
24	28	15
		20
		25
		30
		30
25	28	12
		15
		20
		25
		30
		50
28	32	15
		20
		25
		30
		30
30	34	10
		15
		20
		25
		30
		40
32	36	20
		30
		40
35	39	20
		30
		35
		40
		50
		50

D1	D2	L
37	41	20
40	44	20
		30
		40
		45
		50
		50
45	50	20
		30
		40
		45
		50
		50
50	55	20
		25
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55	60	20
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60	65	20
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		70
65	70	30
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70	75	40
		50
		60
		70
		70
75	80	40
		50
		60
		70
		80
80	85	60
		80
		100
		100
85	90	30
		60
		100
90	95	60
		100
		100
95	100	60
		100
		100
100	105	50
		60

D1	D2	L
105	110	70
		80
		100
		115
105	110	60
		100
		115
110	115	60
		100
		115
115	120	50
		60
		70
		115
120	125	50
		60
		100
125	130	60
		100
		100
135	140	60
		80
		100
140	145	60
		100
		100
145	150	60
		100
		100
150	155	60
		80
		100
155	160	60
		100
		100
160	165	60
		80
		100
165	170	60
		100
		100
170	175	60
		100
		100
175	180	60
		100
		100
180	185	60
		80
		100
190	195	60
		100
		100
200	205	60
		100
		100
205	210	60
		100
		100
210	215	60
		100
		100
215	220	60
		100

■ D1 - Inner Diameter ■ D2 - Outer Diameter ■ L - Length

SOB

SOB Standard dimensions

Data Sheet

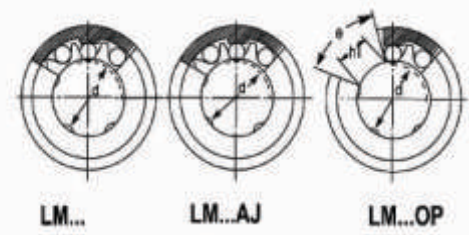
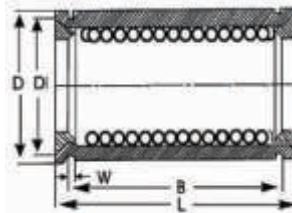
d D IDF7 ODm6						L -0.1 -0.3															
						8	10	12	15	16	20	25	30	35	40	50	60	70	80		
8	12	8	0.028	12	0.008	81208	81210	81212	81215	.	.	.	.	.	.	.	.	.	.		
10	14	10	0.013	14		101408	101410	101412	101415		101420										
12	18	12	0.034	18			121810	121812	121815	121816	121820	121825	121830								
13	19	13		19			131910		131915	131916											
14	20	14		20			142010	142012	142015		142020	142025	142030								
15	21	15		0.016	21	0.021		152110	152112	152115	152116	152120	152125	152130							
16	22	16		22	0.008		162210	162212	162215	162216	162220	162225	162230	162235	162240						
18	24	18		24				182412	182415	182416	182420	182425	182430	182435	182440						
20	28	20		28			202810	202812	202815	202816	202820	202825	202830	202835	202840	202850					
22	32	22		0.041	32	0.025			223212	223215		223220	223225								
25	33	25	0.02	33	0.009			253312	253315	253316	253320	253325	253330	253335	253340	253350	253360				
30	38	30		38				303812	303815		303820	303825	303830	303835	303840	303850	303860				
35	45	35		45							354520	354525	354530	354535	354540	354550	354560				
40	50	40	0.05	50							405020	405025	405030	405035	405040	405050	405060	405070	405080		
45	55	45	0.025	55	0.03								455530	455535	455540	455550	455560				
50	60	50		60	0.011								506030	506035	506040	506050	506060	506070	506080		
55	62	50	0.05	62									506230	506235	506240	506250	506260	506270			
50	65	50	0.025	65										506530		506540	506550	506560	506570	506580	
55	70	55		70												557040	557050	557060	557070		
60	74	60		74		0.03								607430	607435	607440	607450	607460	607470	607480	
60	75	60		75	0.011								607530	607535	607540	607550	607560	607570	607580		
63	75	63		75													637560	637570	637580		
65	80	50	0.06	80												658050	658060	658070	658080		
70	85	90	0.03	85										708535	708540	708550	708560	708570	708580		
70	90	70		90												709050	709060	709070	709080		
75	90	75		90													759060	759070	759080		



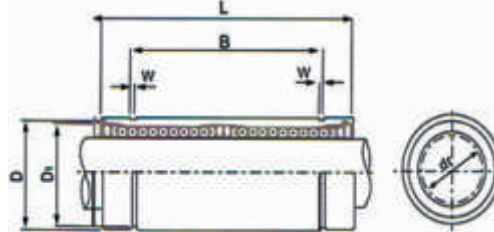
LM...

LM..AJ

LM..OP

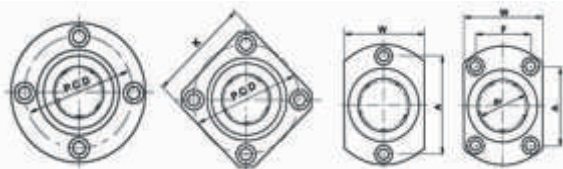


Nominal Part No.						Nominal Shaft Diameter(mm)		Major Dimensions(mm)								Eccentricity (max)	Radial Clearance	Basic Load Rating		Nominal Part No.
Standard	Type	Seal Type	Ball Circuit	Adjustable Type	Open Type	d	D	L	B	W	D1	h	h1	θ	pm	(max) pm	C kgf	Co		
LM	5	LM5UU	4	-	-	5	10	15	10.2	1.1	9.6	-	-	-	8	-3	17	21	LM 5	
LM	6	LM6UU	4	LM 6-AJ	-	6	12	19	13.5	1.1	11.5	1	-	-	12	-5	21	27	LM 6	
LM	8S	LM8SUU	4	LM 8S-AJ	-	8	15	17	11.5	1.1	14.3	1	-	-	12	-5	18	23	LM 8S	
LM	8	LM8UU	4	LM 8-AJ	-	8	15	24	17.5	1.1	14.3	1	-	-	12	-5	27	41	LM 8	
LM	10	LM10UU	4	LM 10-AJ	-	10	19	29	22	1.3	18	1			12	-5	38	56	LM 10	
LM	12	LM12UU	4	LM 12-AJ	LM 12-OP	12	21	30	23	1.3	20	1.5	8	80°	12	-5	42	61	LM 12	
LM	13	LM13UU	4	LM 13-AJ	LM 13-OP	13	23	32	23	1.3	22	1.5	9	80°	12	-7	52	79	LM 13	
LM	16	LM16UU	5	LM 16-AJ	LM 16-OP	16	28	37	26.5	1.6	27	1.5	11	80°	12	-7	79	120	LM 16	
LM	20	LM20UU	5	LM 20-AJ	LM 20-OP	20	32	42	30.5	1.6	31	1.5	11	60°	15	-9	88	140	LM 20	
LM	25	LM25UU	6	LM 25-AJ	LM 25-OP	25	40	59	41	1.85	38	2	12	50°	15	-9	100	160	LM 25	
LM	30	LM30UU	6	LM 30-AJ	LM 30-OP	30	45	64	44.5	1.85	43	2.5	15	50°	15	-9	160	280	LM 30	
LM	35	LM35UU	6	LM 35-AJ	LM 35-OP	35	52	70	49.5	2.1	49	2.5	17	50°	20	-13	170	320	LM 35	
LM	40	LM40UU	6	LM 40-AJ	LM 40-OP	40	60	80	60.5	2.1	57	3	20	50°	20	-13	220	410	LM 40	
LM	50	LM50UU	6	LM 50-AJ	LM 50-OP	50	80	100	74	2.6	76.5	3	25	50°	20	-13	390	810	LM 50	
LM	60	LM60UU	6	LM 60-AJ	LM 60-OP	60	90	110	85	3.15	86.5	3	30	50°	25	-16	480	1020	LM 60	



LM...LUU

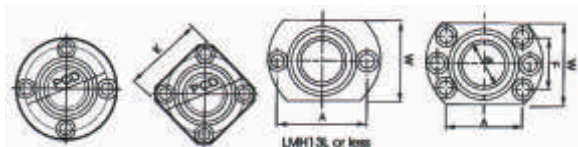
Nominal Shaft diameter mm	LM...LUU	Ball Circuit	Resin retainer										Eccentricity	Basic Load rating		Weight (gf)
			dr		D		L		B		W	D ₁		Dynamic CN	Static CoN	
			mm	Tolerance	mm	Tolerance	mm	Tolerance	mm	Tolerance	mm	mm				
6	LM 6 LUU	4	6	0 -10	12	0	35	0 -300	27	0 -300	1.1	11.5	15	323	530	16
8	LM 8 LUU	4	8		15	-13	45		35		1.1	14.3		431	784	31
10	LM 10 LUU	4	10		19		55		44		1.3	18		588	1,100	62
12	LM 12 LUU	4	12		21	0	57		46		1.3	20		813	1,570	80
13	LM 13 LUU	4	13		23	-16	61		46		1.3	22		813	1,570	90
16	LM 16 LUU	5	16		28		70		53		1.6	27		1,230	2,350	145
20	LM 20 LUU	5	20	0 -12	32	0	80		61		1.6	30.5	20	1,400	2,740	180
25	LM 25 LUU	6	25		40	-19	112		82		1.85	38		1,560	3,140	440
30	LM 30 LUU	6	30		45		123		89		1.85	43		2,490	5,490	480
35	LM 35 LUU	6	35	0 -15	52	0	135	0	99	0	2.1	49	25	2,650	6,270	795
40	LM 40 LUU	6	40		60	-22	151	-400	121	-400	2.1	57		3,430	8,040	1,170
50	LM 50 LUU	6	50		80		192		148		2.6	76.5		6,080	15,900	3,100
60	LM 60 LUU	6	60	0 -20	90	0 -25	209		170		3.15	86.5	30	7,550	20,000	3,500



LMH 13 or less


LMF...
LMK...
LMH...
LMF...
LMK...
LMH...

Part No. Seal Type			Dia. dr (mm)	Ball Circuit	Weight (g)	Ecentri- city (max) (um)	Redial Clearance (max) (um)	Basic Load \ Rating		Main Dimensions Tolerance (mm)															
								C kgf	Co kgf	Tolerance (um)	D (um)	Tolerance (um)	L (um)	Tolerance (um)	D1 (um)	Tolerance (um)	H	PCD	K	W	A	F	d1 x d2 x h		
LMF6UU	LMK6UU	LMH6UU	6	4	26.5	12	-5	200	206	.	12	.	19	.	28	.	5	20	22	18	20	-	3.4X6.5X3.3		
LMF8SUU	LMK8SUU	-	8	4	34	12	-5	170	220		15	0-11	17		32		5	24	25	-	20	-	3.4X6.5X3.3		
LMF8UU	LMK8UU	LMH8UU	8	4	40	12	-5	260	400		15		24		32		5	24	25	21	24	-	3.4X6.5X3.3		
LMF10UU	LMK10UU	LMH10UU	10	4	78	12	-5	370	540	0	19		29	0-0.2	40		6	29	30	25	29	-	4.5X8X4.4		
LMF12UU	LMK12UU	LMH12UU	12	4	76	12	-5	410	290	-9	21		30		42		6	32	32	27	32	-	4.5X8X4.4		
LMF13UU	LMK13UU	LMH13UU	13	4	94	12	-7	500	770		23	0-13	32		43	0-0.2	6	33	34	29	33	22	4.5X8X4.4		
LMF16UU	LMK16UU	LMH16UU	16	5	134	12	-7	770	1170		28		37		48		6	38	37	34	31	24	4.5X8X4.4		
LMF20UU	LMK20UU	LMH20UU	20	5	180	15	-9	860	1370	0	32		42		54		8	43	42	38	36	32	5.5X9.5X5.4		
LMF25UU	LMK25UU	LMH25UU	25	6	340	15	-9	980	1560	-10	40		59		62		8	51	50	46	40	35	5.5X9.5X5.4		
LMF30UU	LMK30UU	LMH30UU	30	6	460	15	-9	1560	2740		45		64		74		10	60	58	51	49	-	6.6X11X6.5		
LMF35UU	LMK35UU	LMH35UU	35	6	795	20	-13	1660	3130	0	52		70	0.03	82		10	67	64	-	-	-	6.6X11X6.5		
LMF40UU	LMK40UU	-	40	6	1054	20	-13	2150	4010	-12	60	0-19	80		96		13	78	75	-	-	-	9X14X8.5		
LMF50UU	LMK50UU	-	50	6	2200	20	-13	3820	7830		80		100		116	0.03	13	98	92	-	-	-	9X14X8.6		
LMF60UU	LMK60UU	-	60	6	2960	25	-16	4700	9990	0/-15	90	0/-22	110		134		18	112	106	-	-	-	11X17.5X10.8		

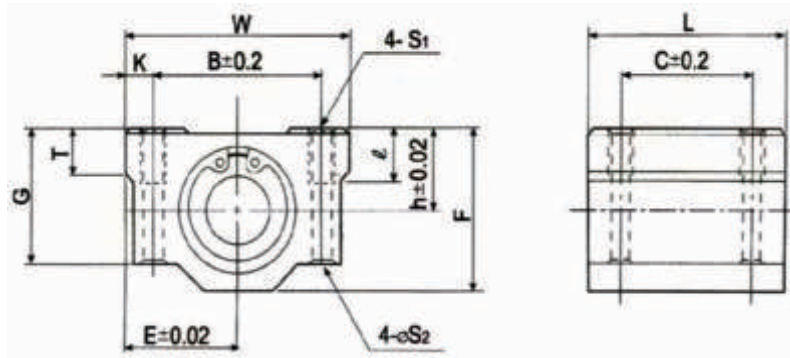


LMH 13 or less


LMF...L
LMK...L
LMH...L
LMF...L
LMK...L
LMH...L

Part No. Seal Type			Dia. dr (mm)	Ball Circuit	Weight (g)	Ecentricity (max) (um)	Radial Clearance (max) (um)	Basic Load \ Rating		Main Dimensions Tolerance (mm)																			
								C kgf	Co kgf	Tolerance (um)	D (um)	Tolerance (um)	L (um)	Tolerance (um)	D1 (um)	Tolerance (um)	H	PCD	K	W	A	F	d1 x d2 x h	Normal Part No.					
LMF6LUU	LMK6LUU	LMH6LUU	6	4	31	15	-5	320	520	.	12	0	35	.	28	.	5	20	22	18	20	-	3.4X6.5X3.3	LMF/K/H8LUU					
LMF8LUU	LMK8LUU	LMH8LUU	8	4	53	15	-5	430	780		15	-13	45		32		5	24	25	21	24	-	3.4X6.5X3.3	LMF/K/H8LUU					
LMF10LUU	LMK10LUU	LMH10LUU	10	4	105	15	-5	580	1100	0	19		55		40		6	29	30	25	29	-	4.5X8X4.4	LMF/K/H10LUU					
LMF12LUU	LMK12LUU	LMH12LUU	12	4	100	15	-5	650	1200	-10	21	0	57	0	42		6	32	32	27	32	-	4.5X8X4.4	LMF/K/H12LUU					
LMF13LUU	LMK13LUU	LMH13LUU	13	4	130	15	-7	810	1570		23	-16	61	-0.3	43	0	6	33	34	29	33	-	4.5X8X4.4	LMF/K/H13LUU					
LMF16LUU	LMK16LUU	LMH16LUU	16	5	187	15	-7	1230	2350		28		70		48	-0.2	6	38	37	34	31	22	4.5X8X4.4	LMF/K/H16LUU					
LMF20LUU	LMK20LUU	LMH20LUU	20	5	260	20	-9	1400	2750	0	32	0	80		54		8	43	42	38	36	24	5.5X9.5X5.4	LMF/K/H20LUU					
LMF25LUU	LMK25LUU	LMH25LUU	25	6	515	20	-9	1560	3140	-12	40	-19	112		62		8	51	50	46	40	32	5.5X9.5X5.4	LMF/K/H25LUU					
LMF30LUU	LMK30LUU	LMH30LUU	30	6	655	20	-9	2490	5490		45		123		74		10	60	58	51	49	35	6.6X11X6.5	LMF/K/H30LUU					
LMF35LUU	LMK35LUU	-	35	6	970	25	-13	2650	6470	0	52	0	135	0	82		10	67	64	-	-	-	6.6X11X6.5	LMF/K/H35LUU					
LMF40LUU	LMK40LUU	-	40	6	1560	25	-13	3430	8040	-15	60	-22	151	-0.4	96		13	78	75	-	-	-	9X14X8.5	LMF/K40LUU					
LMF50LUU	LMK50LUU	-	50	6	3500	25	-13	6080	15900		80		192		116	0.03	13	98	92	-	-	-	9X14X8.6	LMF/K50LUU					
LMF60LUU	LMK60LUU	-	60	6	4500	25	-16	7650	20000	0/-20	90	0/-25	209		134		18	112	106	-	-	-	11X17.5X10.8	LMF/K60LUU					

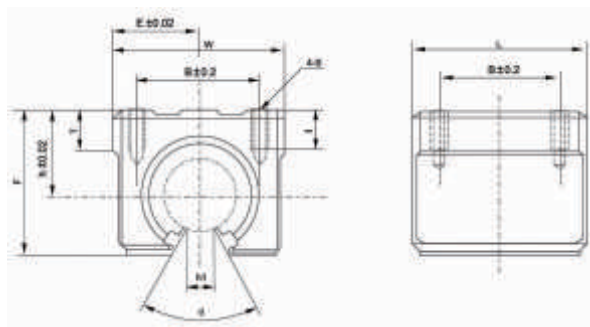
LMA



Model No.	Nominal Shaft Diameter mm	Main dimensions							Mounting dimensions							Linear ball bearing			Weight g
		h	E	W	L	F	G	T	B	C	K	81	82	Q	Model No.	Dynamic C(kgf)	static Co(kgf)		
SC6UU	6	9	15	30	25	18	15	6	20	15	5	M4	3.4	8	LM6UU	21	27	34	
SC8UU	8	11	17	34	30	22	18	6	24	18	5	M4	3.4	8	LM8UU	28	40	52	
SC10UU	10	13	20	40	35	26	21	8	28	21	6	M5	4.3	12	LM10UU	38	56	92	
SC12UU	12	15	21	42	36	28	24	8	30.5	26	5.75	M5	4.3	12	LM12UU	52	80	102	
SC13UU	13	15	22	44	39	30	24.5	8	33	26	5.5	M5	4.3	12	LM13UU	52	80	120	
SC16UU	16	19	25	50	44	38.5	32.5	9	36	34	7	M5	4.3	12	LM16UU	79	120	200	
SC20UU	20	21	27	54	50	41	35	11	40	40	7	M6	5.2	12	LM20UU	90	140	255	
SC25UU	25	26	38	76	67	51.5	42	12	54	50	11	M8	7	18	LM25UU	100	160	600	
SC30UU	30	30	39	78	72	59.5	49	15	58	58	10	M8	7	18	LM30UU	160	280	735	
SC35UU	35	34	45	90	80	68	54	18	70	60	10	M8	7	18	LM35UU	170	320	1100	
SC40UU	40	40	51	102	90	78	62	20	80	60	11	M10	8.7	25	LM40UU	220	410	1590	
SC50UU	50	52	61	122	110	102	80	25	100	80	11	M10	8.7	25	LM50UU	390	810	3340	
SC60UU	60	58	66	132	122	114	94	30	108	90	12	M12	10.7	25	LM60UU	482	1020	4270	

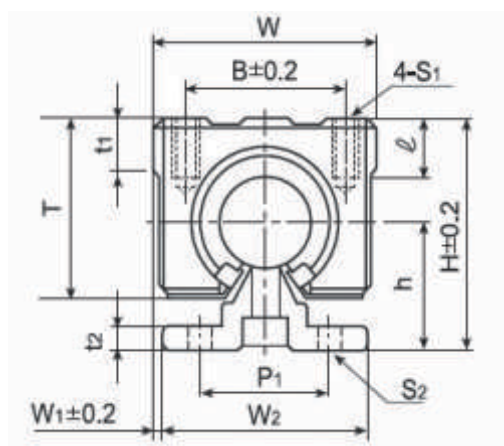
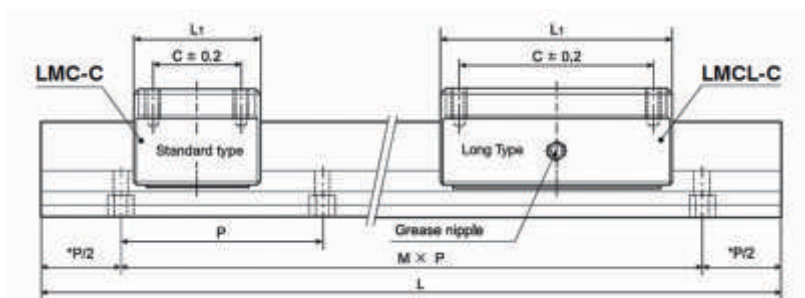
LMC

Open Type Linear Block

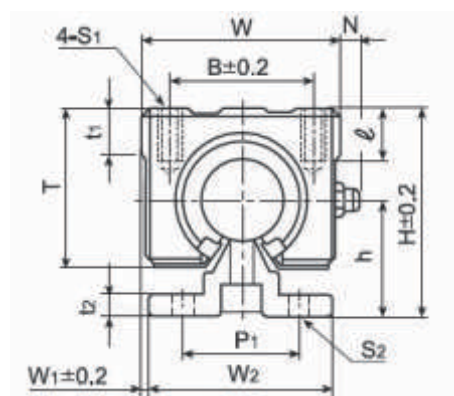


Model No.	Nominal Shaft Diameter mm	Main dimensions							Mounting dimensions					Linear ball bearing			Weight g
		h	E	W	L	F	T	h1	θ	B	C	S	Q	Model No.	Dynamic C(kgf)	static Co(kgf)	
SME16UU	16	20	22.5	45	45	33	9	10	80°	32	30	M5	12	LM16UU..OP	79	120	150
SME20UU	20	23	24	48	50	39	11	10	60°	35	35	M6	12	LM20UU..OP	90	140	200
SME25UU	25	27	30	60	65	47	14	11.5	50°	40	40	M6	12	LM25UU..OP	100	160	450
SME30UU	30	33	35	70	70	56	15	14	50°	50	50	M8	18	LM30UU..OP	160	280	630
SME40UU	40	42	45	90	90	72	20	19	50°	65	65	M10	20	LM40UU..OP	220	410	1330

LMC-C & LMCL-C



LMC-C
LMC-C16~LMC-C40



LMCL-C
(Long Type)
LMCL-C16~LMCL-C30

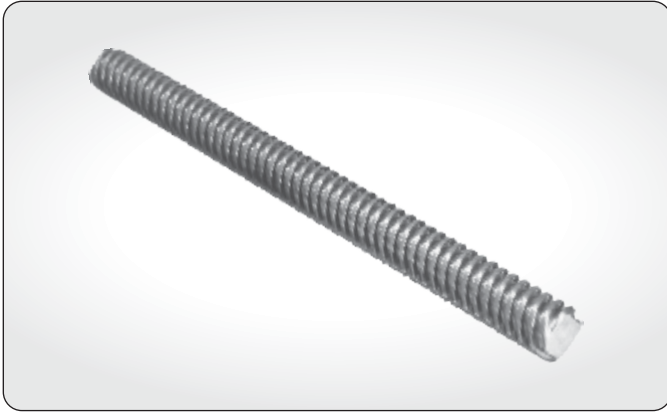
Model No.	Shaft Dia	Dimensions of Assembly				Dimensions of Block								Dimensions of Track Rail						Basic Dynamic Load Rating C(kgf)	Basic Static Load Rating C0(kgf)
		H	h	W1	W	L1	B	C	t1	l	S1	T	N	W2	P1	t2	P	S2	L(max)		
LMC-C16	16	45	25	2.5	45	45	32	30	9	12	M5	33	-	40	30	5	150	5.5	3600	79	120
LMCL-C16	16	45	25	2.5	45	85	32	60	9	12	M5	33	8	40	30	5	150	5.5	3600	158	240
LMC-C20	20	50	27	1.5	48	50	35	35	11	12	M6	39	-	45	30	5	150	5.5	4200	90	140
LMCL-C20	20	50	27	1.5	48	96	35	70	11	12	M6	39	8	45	30	5	150	5.5	4200	180	280
LMC-C25	25	60	33	2.5	60	65	40	40	14	12	M6	47	-	55	35	6	200	6.5	4200	100	160
LMCL-C25	25	60	33	2.5	60	130	40	100	14	12	M6	47	8	55	35	6	200	6.5	4200	200	320
LMC-C30	30	70	37	5	70	70	50	50	15	18	M8	56	-	60	40	7	200	6.5	4200	160	280
LMCL-C30	30	70	37	5	70	140	50	110	15	18	M8	56	8	60	40	7	200	6.5	4200	320	560
LMC-C40	40	90	48	7.5	90	90	65	65	20	20	M10	72	-	75	55	9	300	9	4200	220	410

Example of identification number :

LMC-C25-B2-2400

1 2 3 4

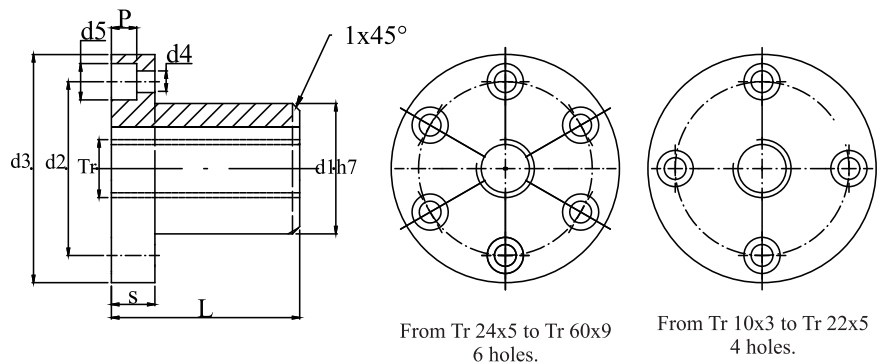
- 1 Model No.: LMC-C, LMCL-C
- 2 Shaft Dia & Length, Hardness (HRC52± 2) ground & chromium plated
- 3 Number of blocks per track rail : B1 : 1 Block B2 : 2 Blocks B3 : 3 Blocks
- 4 Length of track rail : (4000mm)



Lead Screw



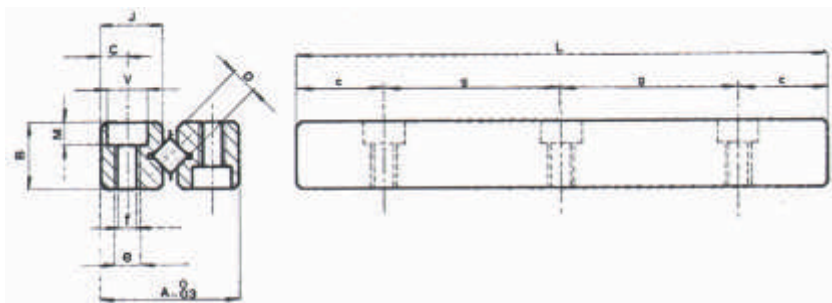
Flange Type Lead Nut



Diamenstional Details

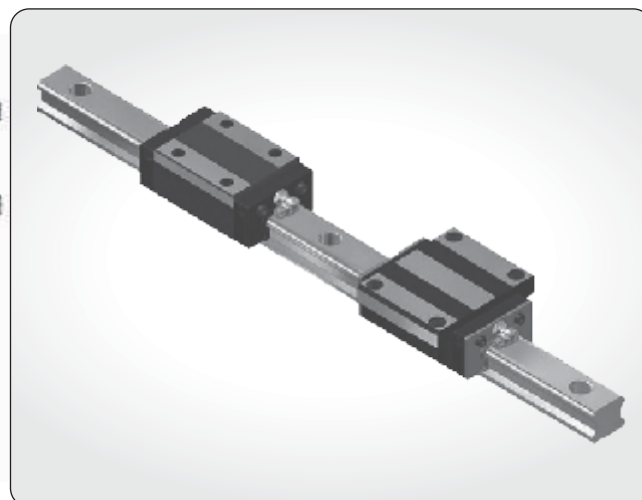
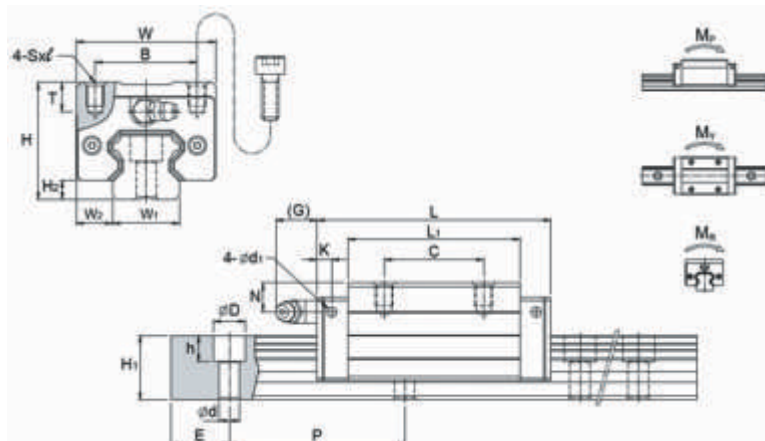
Nut Diameter x Lead	Lead Screw (Accuracy 200 µm/300 mm)	d1	d2	d3	d4	d5	P	L	S	No. Screw Hole	Tapping
Tr 6x2	Tr 6x2	18	24	31.5	4.5	7.5	4.2	26	6	4	M4
Tr 8x2	Tr 8x2	18	24	31.5	4.5	7.5	4.2	26	6	4	M4
Tr 10x2	Tr 10x2	18	26	37	4.5	7.5	4.2	22	8	4	M4
Tr 12x2	Tr 12x2	18	26	37	4.5	7.5	4.2	22	8	4	M4
Tr 10x3	Tr 10x3	18	26	37	4.5	7.5	4.2	22	8	4	M4
Tr 12x3	Tr 12x3	18	26	37	4.5	7.5	4.2	22	8	4	M4
Tr 14x4	Tr 14x4	20	30	42	5.5	9	5.2	25	10	4	M5
Tr 16x4	Tr 16x4	22	32	45	5.5	9	5.2	30	10	4	M5
Tr 18x4	Tr 18x4	25	35	48	5.5	9	5.2	35	10	4	M5
Tr 20x4	Tr 20x4	30	40	52	5.5	9	5.2	40	10	4	M5
Tr 22x5	Tr 22x5	30	40	52	5.5	9	5.2	40	10	4	M5
Tr 25x5	Tr 25x5	35	48	62	6.5	11	6.5	45	12	6	M6
Tr 28x5	Tr 28x5	40	53	68	6.5	11	6.5	50	12	6	M6
Tr 30x3	Tr 30x3	40	53	68	6.5	11	6.5	50	12	6	M6
Tr 30x4	Tr 30x4	40	53	68	6.5	11	6.5	50	12	6	M6
Tr 30x5	Tr 30x5	40	53	68	6.5	11	6.5	50	12	6	M6
Tr 30x6	Tr 30x6	40	53	68	6.5	11	6.5	50	12	6	M6
Tr 35x3	Tr 35x3	50	63	78	8.5	14	8.5	60	15	6	M8
Tr 35x4	Tr 35x4	50	63	78	8.5	14	8.5	60	15	6	M8
Tr 35x5	Tr 35x5	50	63	78	8.5	14	8.5	60	15	6	M8
Tr 35x6	Tr 35x6	50	63	78	8.5	14	8.5	60	15	6	M8
Tr 35x8	Tr 35x8	50	63	78	8.5	14	8.5	60	15	6	M8
Tr 40x3	Tr 40x3	55	68	84	8.5	14	8.5	65	15	6	M8
Tr 40x4	Tr 40x4	55	68	84	8.5	14	8.5	65	15	6	M8
Tr 40x5	Tr 40x5	55	68	84	8.5	14	8.5	65	15	6	M8

STANDARDIZED CROSS ROLLER RAILS "GR"



Designation	Rail Type	Rail Weight (gr)	L	g	c	D	A	B	J	C	e	f	V	M
GR3	GR 3 050	23	50	1X25	12.5	3	18	8	8.2	3.5	M4	3.3	6	3.2
	GR 3 075	34	75	2X25										
	GR 3 100	45	100	3X25										
	GR 3 125	56	125	4X25										
	GR 3 150	67	150	5X25										
	GR 3 175	78	175	6X25										
	GR 3 200	89	200	7X25										
	GR 3 225	100	225	8X25										
	GR 3 250	111	250	9X25										
	GR 3 275	122	275	10X25										
	GR 3 300	133	300	11X25										
GR6	GR 6 100	145	100	1X50	25	6	31	15	13.9	6	M6	5.2	9.5	5.2
	GR 6 150	220	150	2X50										
	GR 6 200	295	200	3X50										
	GR 6 250	370	250	4X50										
	GR 6 300	445	300	5X50										
	GR 6 350	520	350	6X50										
	GR 6 400	595	400	7X50										
	GR 6 450	670	450	8X50										
	GR 6 500	745	500	9X50										
	GR 6 550	815	550	10X50										
	GR 6 600	885	600	11X50										
GR9	GR 9 200	630	200	1X100	50	9	44	22	19.7	9	M8	6.8	10.5	6.2
	GR 9 300	945	300	2X100										
	GR 9 400	1260	400	3X100										
	GR 9 500	1575	500	4X100										
	GR 9 600	1890	600	5X100										
	GR 9 700	2205	700	6X100										
	GR 9 800	2520	800	7X100										
	GR 9 900	2835	900	8X100										
	GR 9 1000	3150	1000	9X100										
	GR 9 1100	3465	1100	10X100										
	GR 9 1200	3780	1200	11X100										
GR12	GR 12 200	1040	200	1X100	50	12	58	28	25.9	12	M10	8.5	13.5	8.2
	GR 12 300	1565	300	2X100										
	GR 12 400	2090	400	3X100										
	GR 12 500	2615	500	4X100										
	GR 12 600	3140	600	5X100										
	GR 12 700	3665	700	6X100										
	GR 12 800	4190	800	7X100										
	GR 12 900	4715	900	8X100										
	GR 12 1000	5240	1000	9X100										
	GR 12 1100	5765	1100	10X100										
	GR 12 1200	6290	1200	11X100										

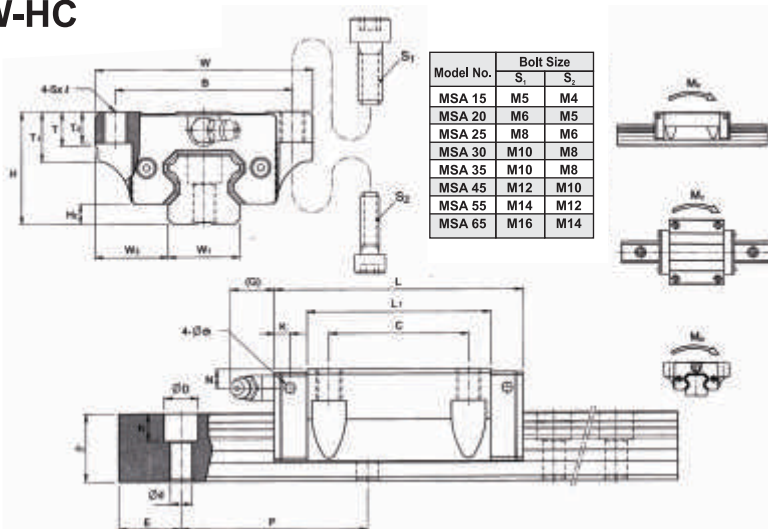
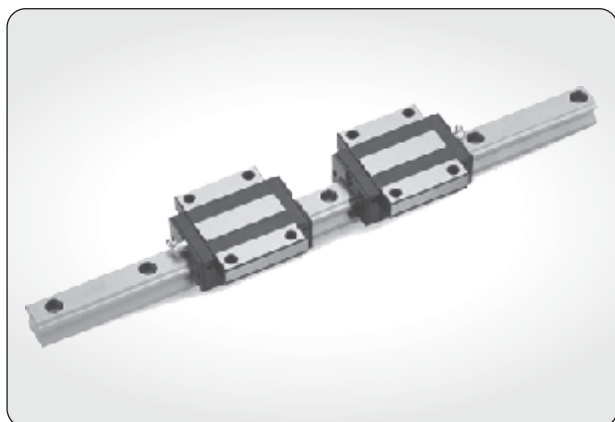
DIMENSIONS OF MSA-S / MSA-LS & HGH-CA / HGH-HA



PMI Model No.	HIWIN Model No.	External Dimension							Carriage Dimension							
		Height H	Width W	Length L	W ₂	H ₂	B	C	Sxℓ	L ₁	T	N	G	K	d ₁	Grease Nipple
MSA 15S	HGH 15CA	28	34	56.3	9.5	4.2	26	26	M4X5	39.3	7.2	8.3	7	3.2	3.3	G-M4
MSA 20S	HGH 20CA	30	44	72.9	12	5	32	36	M5X6	51.3	8	5	12	5.8	3.3	G-M6
MSA 20LS	HGH 20HA	30	44	88.8	12	5	32	50	M5X6	67.2	8	5	12	5.8	3.3	G-M6
MSA 25S	HGH 25CA	40	48	81.6	12.5	6.5	35	35	M6X8	59	10	10	12	5.8	3.3	G-M6
MSA 25LS	HGH 25HA	40	48	100.6	12.5	6.5	35	50	M6X8	78	10	10	12	5.8	3.3	G-M6
MSA 30S	HGH 30CA	45	60	97	16	8	40	40	M8X10	71.4	11.7	10	12	6.5	3.3	G-M6
MSA 30LS	HGH 30HA	45	60	119.2	16	8	40	60	M8X10	93.6	11.7	10	12	6.5	3.3	G-M6
MSA 35S	HGH 35CA	55	70	111.2	18	9.5	50	50	M8X12	81	12.7	15	11.5	8.6	3.3	G-M6
MSA 35LS	HGH 35HA	55	70	136.6	18	9.5	50	72	M8X12	106.4	12.7	15	11.5	8.6	3.3	G-M6
MSA 45S	HGH 45CA	70	86	137.7	20.5	10	60	60	M10X17	102.5	16	20	13.5	10.6	3.3	G-PT1/8
MSA 45LS	HGH 45HA	70	86	169.5	20.5	10	60	80	M10X17	134.3	16	20	13.5	10.6	3.3	G-PT1/8
MSA 55S	HGH 55CA	80	100	161.5	23.5	13	75	75	M12X18	119.5	18	21	13.5	8.6	3.3	G-PT1/8
MSA 55LS	HGH 55HA	80	100	199.5	23.5	13	75	95	M12X18	157.5	18	21	13.5	8.6	3.3	G-PT1/8
MSA 65S	HGH 65CA	90	126	199	31.5	15	76	70	M 16X20	149	23	19	13.5	8.6	3.3	G-PT1/8
MSA 65LS	HGH 65HA	90	126	253	31.5	15	76	120	M 16X20	203	23	19	13.5	8.6	3.3	G-PT1/8

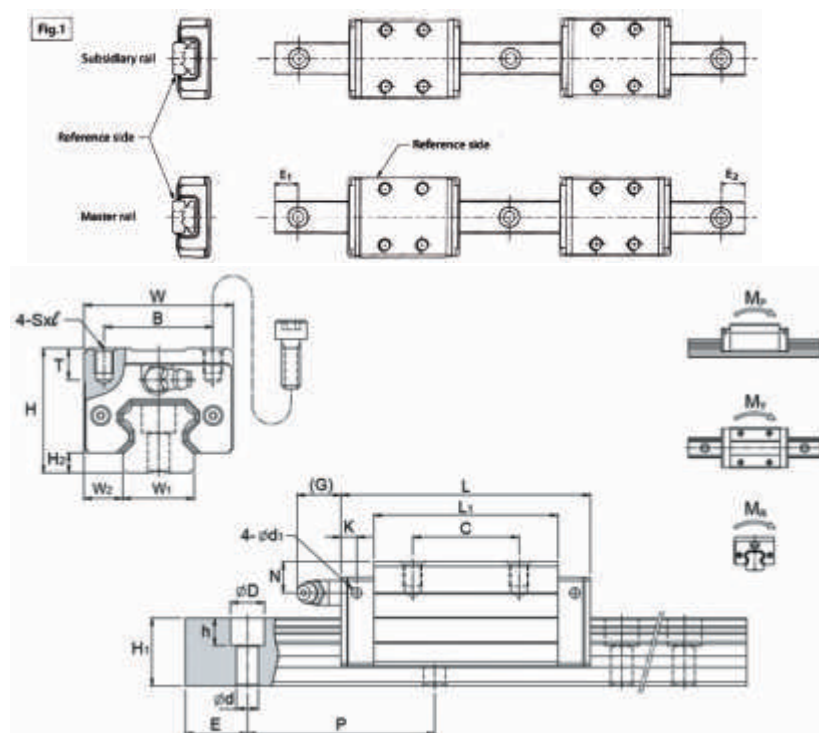
PMI Model No.	HIWIN Model No.	Rail Dimension					Basic Load Rating		Static Moment Rating			Weight	
		Height H ₁	Width W ₁	Pitch P	E std.	D x h x d	Dynamic D kN	Static C0 kN	M _p kN-m	M _y kN-m	M _r kN-m	Carriage kg	Rail kg/m
MSA 15S	HGH 15CA	15	15	60	20	7.5X5.5X4.5	11.8	18.9	0.12	0.12	0.14	0.18	1.5
MSA 20S	HGH 20CA	20	18	60	20	9.5X8.5X6	19.2	29.5	0.23	0.23	0.29	0.3	2.4
MSA 20LS	HGH 20HA	20	18	60	20	9.5X8.5X6	23.3	39.3	0.39	0.39	0.38	0.39	2.4
MSA 25S	HGH 25CA	23	22	60	20	11X9X7	28.1	42.4	0.39	0.39	0.48	0.52	3.4
MSA 25LS	HGH 25HA	23	22	60	20	11X9X7	34.4	56.6	0.67	0.67	0.63	0.68	3.4
MSA 30S	HGH 30CA	28	26	80	20	14X12X9	39.2	57.8	0.62	0.62	0.79	0.86	4.8
MSA 30LS	HGH 30HA	28	26	80	20	14X12X9	47.9	77.0	1.07	1.07	1.05	1.12	4.8
MSA 35S	HGH 35CA	34	29	80	20	14X12X9	52.0	75.5	0.93	0.93	1.25	1.45	6.6
MSA 35LS	HGH 35HA	34	29	80	20	14X12X9	63.6	100.6	1.60	1.60	1.67	1.9	6.6
MSA 45S	HGH 45CA	45	38	105	22.5	20X17X14	83.8	117.9	1.81	1.81	2.57	2.83	11.5
MSA 45LS	HGH 45HA	45	38	105	22.5	20X17X14	102.4	157.3	3.13	3.13	3.43	3.7	11.5
MSA 55S	HGH 55CA	53	44	120	30	23X20X16	123.6	169.8	3.13	3.13	4.50	4.12	15.5
MSA 55LS	HGH 55HA	53	44	120	30	23X20X16	151.1	226.4	5.40	5.40	6.00	4.91	15.5
MSA65S	HGH 65CA	63	53	150	35	26X22X18	198.8	265.3	6.11	6.11	8.36	6.43	21.9
MSA 65LS	HGH 65HA	63	53	150	35	26X22X18	253.5	375.9	11.84	11.84	11.84	8.76	21.9

DIMENSIONS OFF MSA-A / MSA-E / MSA-LA / MSA-LE HGW-CA / HGW-CC / HGW-HA / HGW-HC

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PMI Model No.	HIWIN Model No.	External dimension					Carriage dimension											
		Height H	Width W	Length L	W ₁	H ₂	B	C	SxI	L ₁	T	T ₁	T ₂	N	G	K	d ₁	Grease Nipple
MSA15E	HGW15CC	24	47	56.3	16	4.2	38	30	M5X7	39.3	7	11	7	4.3	7	3.2	3.3	G-M4
MSA20E	HGW20CC	30	63	72.9	21.5	5	53	40	M6X10	51.3	7	10	10	5	12	5.8	3.3	G-M6
MSA20LE	HGW20HC	30	63	88.8	21.5	5	53	40	M6X10	67.2	7	10	10	5	12	5.8	3.3	G-M6
MSA25E	HGW25CC	36	70	81.6	23.5	6.5	57	45	M8X10	59	11	16	10	6	12	5.8	3.3	G-M6
MSA25LE	HGW25HC	36	70	100.6	23.5	6.5	57	45	M8X10	78	11	16	10	6	12	5.8	3.3	G-M6
MSA30E	HGW30CC	42	90	97	31	8	72	52	M10X10	71.4	11	18	10	7	12	6.5	3.3	G-M6
MSA30LE	HGW30HC	42	90	119.2	31	8	72	52	M10X10	93.6	11	18	10	7	12	6.5	3.3	G-M6
MSA35E	HGW35CC	48	100	111.2	33	9.5	82	62	M10X13	81	13	21	13	8	11.5	8.6	3.3	G-M6
MSA35LE	HGW35HC	48	100	136.6	33	9.5	82	62	M10X13	106.4	13	21	13	8	11.5	8.6	3.3	G-M6
MSA45E	HGW45CC	60	120	137.7	37.5	10	100	80	M12X15	102.5	13	25	15	10	13.5	10.6	3.3	G-PT1/8
MSA45LE	HGW45HC	60	120	169.5	37.5	10	100	80	M12X15	134.3	13	25	15	10	13.5	10.6	3.3	G-PT1/8
MSA55E	HGW55CC	70	140	161.5	43.5	13	116	95	M14X17	119.5	19	32	17	11	13.5	8.6	3.3	G-PT1/8
MSA55LE	HGW55HC	70	140	199.5	43.5	13	116	95	M14X17	157.5	19	32	17	11	13.5	8.6	3.3	G-PT1/8
MSA65E	HGW65CC	90	170	199	53.5	15	142	110	M16X23	149	21.5	37	23	19	13.5	8.6	3.3	GPT1/8
MSA65LE	HGW65HC	90	170	253	53.5	15	142	110	M16X23	203	21.5	37	23	19	13.5	8.6	3.3	G-PT1/8

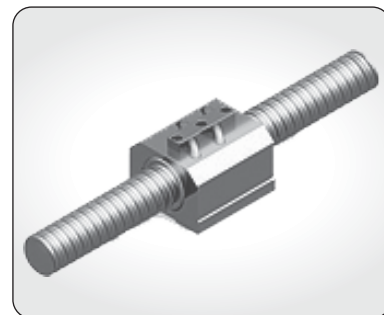
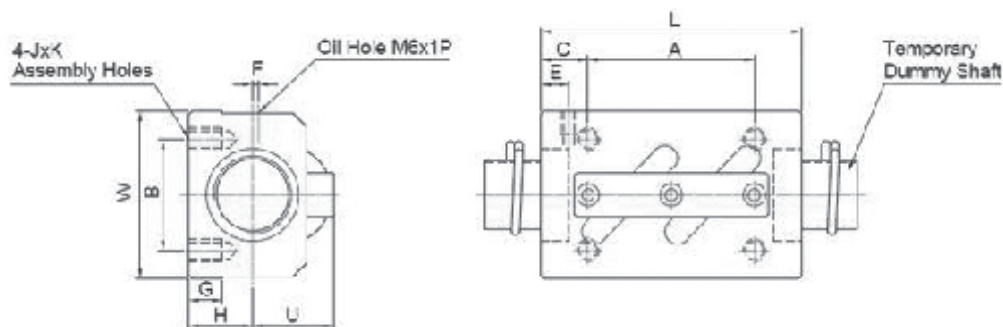
PMI Model No.	HIWIN Model No.	Rail dimension					Basic load rating		Static moment rating				Double		
		Height H ₁	Width W ₁	Pitch p	E std.	D x h x d	Dynamic C kN	Static C ₀ kN	M _p kN-m		M _y kN-m		MR kN-m	Carriage kg	Rail kg/m
									Single	Double	Single	Double			
MSA15E	HGW15CC	15	15	60	20	7.5X5.3X4.5	11.8	18.9	0.12	0.68	0.12	0.68	0.14	0.18	1.5
MSA20E	HGW20CC	20	18	60	20	9.5X8.5X6	19.2	29.5	0.23	1.42	0.23	1.42	0.29	0.4	2.4
MSA20LE	HGW20HC	20	18	60	20	9.5X8.5X6	23.3	39.3	0.39	2.23	0.39	2.23	0.38	0.52	2.4
MSA25E	HGW25CC	23	22	60	20	11X9X7	28.1	42.4	0.39	2.20	0.39	2.20	0.48	0.62	3.4
MSA25LE	HGW25HC	23	22	60	20	11X9X7	34.4	56.6	0.67	3.52	0.67	3.52	0.63	0.82	3.4
MSA30E	HGW30CC	28	26	80	20	14X12X9	39.2	57.8	0.62	3.67	0.62	3.67	0.79	1.09	4.8
MSA30LE	HGW30HC	28	26	80	20	14X12X9	47.9	77.0	1.07	5.81	1.07	5.81	1.05	1.43	4.8
MSA35E	HGW35CC	34	29	80	20	14X12X9	52.0	75.5	0.93	5.47	0.93	5.47	1.25	1.61	6.6
MSA35LE	HGW35HC	34	29	80	20	14X12X9	63.6	100.6	1.60	8.67	1.60	8.67	1.67	2.11	6.6
MSA45E	HGW45CC	45	38	105	22.5	20X17X14	83.8	117.9	1.81	10.67	1.81	10.67	2.57	2.98	11.5
MSA45LE	HGW45HC	45	38	105	22.5	20X17X14	102.4	157.3	3.13	16.95	3.13	16.95	3.43	3.9	11.5
MSA55E	HGW55CC	53	44	120	30	23X20X16	123.6	169.8	3.13	17.57	3.13	17.57	4.50	4.17	15.5
MSA55LE	HGW55HC	53	44	120	30	23X20X16	151.1	226.4	5.40	28.11	5.40	28.11	6.00	5.49	15.5
MSA65E	HGW65CC	63	53	150	35	26X22X18	198.8	265.3	6.11	33.71	6.11	33.71	8.36	8.73	21.9
MSA65LE	HGW65HC	63	53	150	35	26X22X18	253.5	375.9	11.84	57.32	11.84	57.32	11.84	11.89	21.9

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PMI Model No.	HIWIN Model No.	External Dimension					Carriage Dimension					
		Height H	Width W	Length L	W2	H2	B	C	Sxℓ	L:1	T	G
MSC7M MSC 7 LM	MGN7C MGN7H	8	17 33.1	23.6	5	1.5	12 13	8	M2X2.5 27.9	18.4	3.5	Ø0.8
MSC9M MSC 9 LM	MGN9C MGN9H	10	20 41.3	31.1	5.5	2.2	15 16	10	M3X3 36	25.8	4.5	Ø1
MSC12M MSC 12 LM	MGN12C MGN12H	13	27 47.6	34.6	7.5	3	20 20	15	M3X3.6 41	28	6	Ø1.5
MSC15M MSC 15 LM	MGN15C MGN15H	16	32 60.5	43.5	8.5	4	25 25	20	M3X4.2 53.1	36.1	7	G-M3

PMI Model No.	HIWIN Model No.	External Dimension					Basic Load Rating		Static Moment Rating			Weight	
		Width W ₁	Height H ₁	Pitch P	E std.	D x h x d	Dynamic C _k KN	Static C ₀ KN	M _p N-m	M _y N-m	M _r N-m	Carriage kg	Rail kg/m
MSC 7 M MSC 7 LM	MGN7C MGN7H	7	4.7	15	5	4.2X2.3X2.4	0.94 1.36	1.28 2.24	2.6 7.4	2.6 7.4	4.7 8.3	13 18	0.22
MSC 9 M MSC 9 LM	MGN9C MGN9H	9	20	20	7.5	6X3.3X3.5	1.71 2.52	2.24 3.92	6.1 17.4	6.1 17.4	10.8 18.8	29 39	0.33
MSC 12 M MSC 12 LM	MGN12C MGN12H	12	25	25	10	6X4.5X3.5	2.62 3.77	3.52 5.72	11.4 28.3	11.4 28.3	22.2 36.0	40 60	0.63
MSC 15 M MSC 15 LM	MGN15C MGN15H	15	40	40	15	6X4.5X3.5	4.52 6.47	5.70 9.26	24.7 61.0	24.7 61.0	44.4 72.2	71 100	1.02

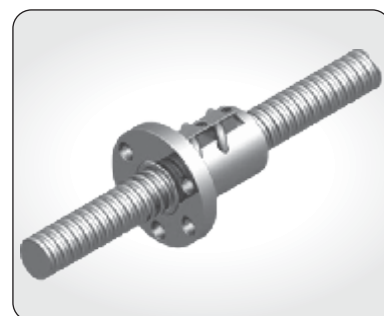
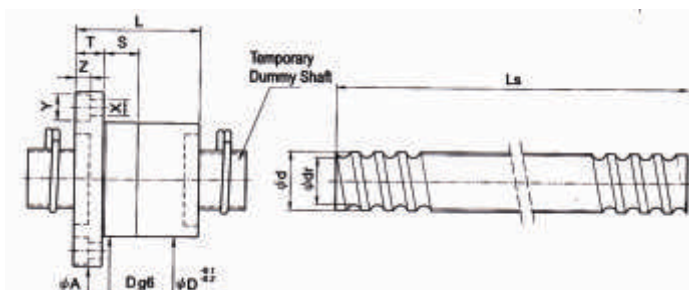
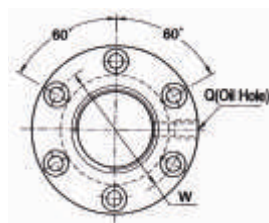
SSVW



UNIT : mm

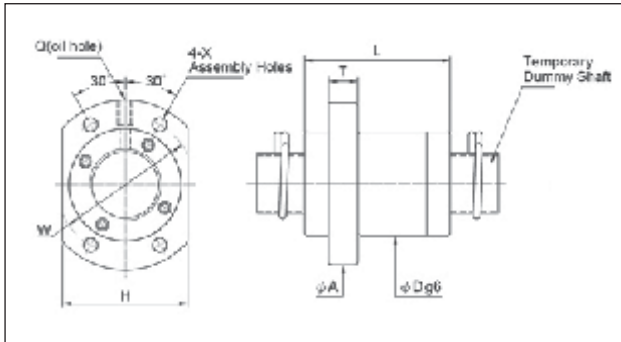
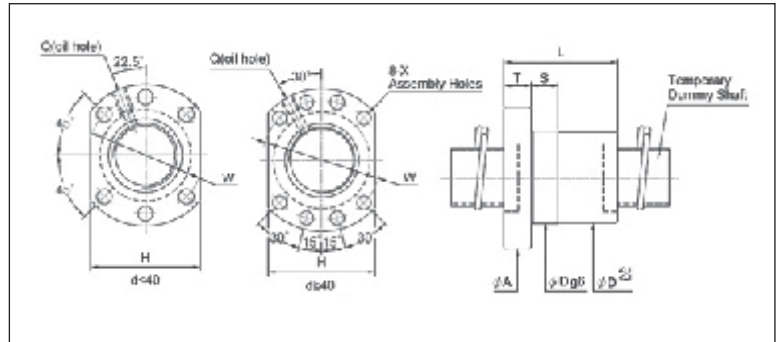
Item No.	NUT MODEL No.	Screw O.D	Lead I	Ball Dia	Effective turns Circuit	Basic Rated Load (kgf)		Axial Play	BALLNUT DIMENSION											SCREW SPINDLE			
		Dynamic				Static Co	Length L		Width W	Height H	Flange				Position of Oil Hole		Height from Reference Surface		Stiffness kgf/mm	Root Dia dr	Maximum Screw Length Ls	Screw Model No.	
			A					B			C	JXk	E	F	G	U							
1	SSVW1404-3.5P	14	4	2.381	3.5X1	545	1110	0.10	35	34	13	22	26	6.5	M4X7	6	2	6	18	15	12.00	3000	PS1404A
2	SSVW1405-2.5P	14	5	3.175	2.5X1	535	990	0.10	35	34	13	22	26	6.5	M4X7	6	2	6	18	11	11.42	3000	PS1405A
3	SSVW1605-2.5P	16	5	3.175	2.5X1	590	1210	0.10	35	42	16	22	32	6.5	M5X8	6	2	8	21	13	13.42	3000	PS1605A
4	SSVW2005-2.5P	20	5	3.175	2.5X1	650	1450	0.10	35	48	17	22	35	6.5	M6X10	6	3	9.15	22	15	17.42	3000	PS2005A
5	SSVW2010-2.5P	20	10	4.762	2.5X1	1100	2220	0.15	58	48	18	35	35	11.5	M6X10	10	2	9.5	25	16	16.23	4000	PS2010A
6	SSVW2505-2.5P	25	5	3.175	2.5X1	720	1850	0.10	35	60	20	22	40	6.5	M8X12	7	5	9.5	25	18	22.42	4000	PS2505A
7	SSVW2510-5.0P	25	10	6.350	2.5X2	3240	7170	0.20	94	60	23	60	40	17	M8X12	10	-	10	30	40	20.05	4000	PS2510A
8	SSVW2806-5.0P	28	6	3.175	2.5X2	1380	4140	0.10	67	60	22	40	40	13.5	M8X12	8	5	10	27	39	25.42	4000	PS2806A
9	SSVW3210-2.5P	32	10	6.350	2.5X1	2010	4700	0.20	64	70	26	45	50	9.5	M8X12	10	-	12	36	25	27.05	5000	PS3210A
10	SSVW3210-5.5P	32	10	6.350	2.5X2	3640	9410	0.20	94	70	26	60	50	17	M8X12	10	-	12	36	49	27.05	5000	PS3210A

FSIW



UNIT : mm

Item No.	NUT MODEL No.	Screw O.D	Lead	Ball Dia	Effective turns	Basic Rated Load (kgf)		Axial Play	BALLNUT DIMENSION													SCREW SPINDLE		
						Dynamic	Static Co		O.D	Length	Flange					FIT	Assembly Hole			Oil Hole	Stiffness kgf/mm	Root Dia dr	Maximum Screw Length Ls	Screw Model No.
						A	T	W	C	H	H	X	Y	Z	Q									
1	FSIW1404-4.0P	14	4	2.381	4	400	890	0.10	26	47	46	10	36	-	-	10	4.5	8	4.5	M6X1P	18	12.00	3000	PS1404A
2	FSIW1605-3.0P	16	5	3.175	3	570	1030	0.10	30	42	49	10	39	20	40	10	4.5	-	-	M6X1P	17	13.42	3000	PS1605A
3	FSIW2005-4.0P	20	5	3.175	4	830	1890	0.10	34	53	57	12	45	20	40	12	5.5	9.5	5.5	M8X1P	21	17.42	3000	PS2005A
4	FSIW2505-4.0P	25	5	3.175	4	940	2420	0.10	40	53	63.5	12	51	22	44	15	5.5	9.5	5.5	M8X1P	26	22.42	4000	PS2505A
5	FSIW2806-4.0P	28	6	3.175	4	990	2920	0.10	43	57	68	12	55	26	52	15	6.6	11	6.5	M8X1P	28	25.42	3000	PS2806A
6	FSIW3205-4.0P	32	5	3.175	4	1050	3390	0.10	48	53	73.5	12	60	30	60	15	6.6	11	6.5	M8X1P	32	29.42	5000	PS3205A
7	FSIW3210-4.0P	32	10	6.350	4	2510	5880	0.20	54	90	88	16	70	34	68	15	9	14	8.5	M8X1P	34	27.05	5000	PS3210A
8	FSIW4005-4.0P	40	5	3.175	4	1180	4390	0.10	55	56	88.5	16	72	29	58	15	9	14	8.5	M8X1P	38	37.42	6000	PS4005A
9	FSIW4010-4.0P	40	10	6.350	4	2630	7860	0.20	64	93	106	18	84	43	86	20	11	17.5	11	M8X1P	41	35.05	6000	PS4010A
10	FSIW5010-4.0P	50	10	6.350	4	2770	10290	0.20	74	93	116	18	94	42	84	20	11	17.5	11	M8X1P	50	45.05	6000	PS5010A

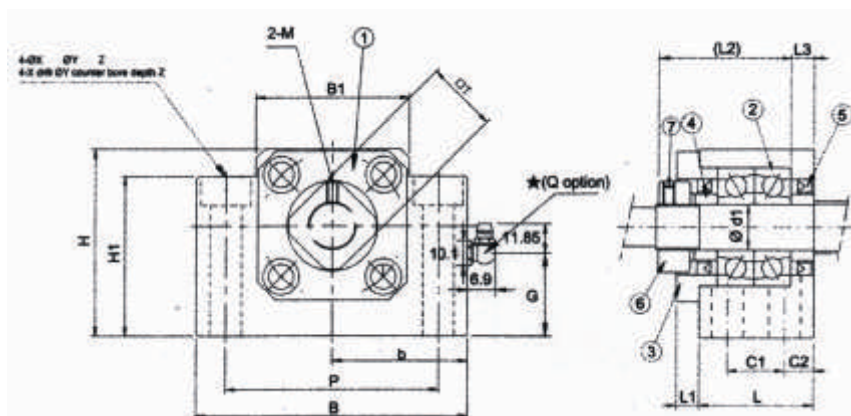
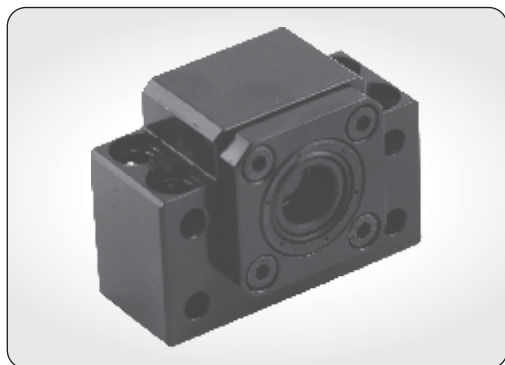

FSKW

FSIN
FSKW

Screw Size		Ball DIA.	Effective turns circuitxnumber of thread	BASIC RATE LOAD (kgf)		BALLNUT DIMENSION										Nut Model No.
						O.D.	Length	Flange					Assembly Hole	Oil Hole	STIFFNESS	
O.D.	Lead			Dynamic (1x10 ⁶ REV.) Ca	Static Co	D	L	A	T	W	H	X	Q		kgf/μm	
15	10	3.175	2.8x2	1000	2570	34	44	57	10	45	40	5.5	M6x1P	26		FSKW1510-5.6P
16	16	3.175	1.8x1	330	640	32	38	53	10	42	38	4.5	M6x1P	9		FSKW1616-1.8P
20	20	3.175	1.8x2	780	2280	39	52	62	10	50	46	5.5	M6x1P	21		FSKW2020-3.6P
25	25	3.969	1.8x2	1230	3570	47	62	74	12	60	56	6.6	M6x1P	27		FSKW2525-3.6P
			1.8x4	2230	7140									52		FSKW2525-7.2P
32	32	4.762	1.8x2	1760	5500	58	78	92	15	74	68	9	M6x1P	33		FSKW3232-3.6P
			1.8x4	3200	11000									65		FSKW3232-7.2P
40	40	6.350	1.8x2	2870	9170	73	95	114	17	93	84	11	M6x1P	42		FSKW4040-3.6P
			1.8x4	5220	18340									81		FSKW4040-7.2P

FSIN

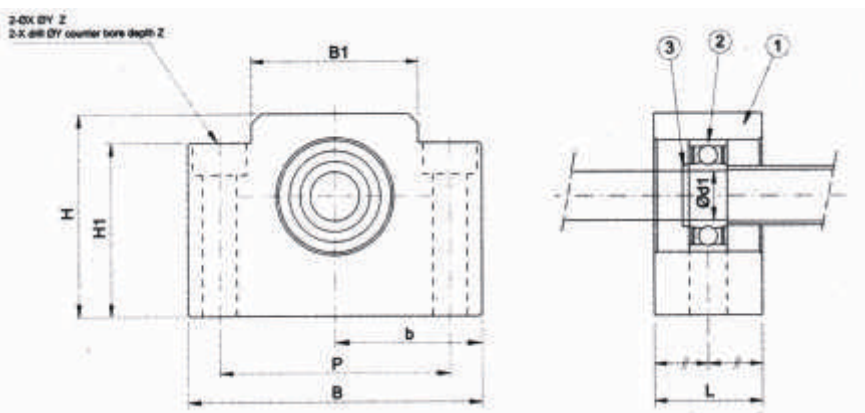
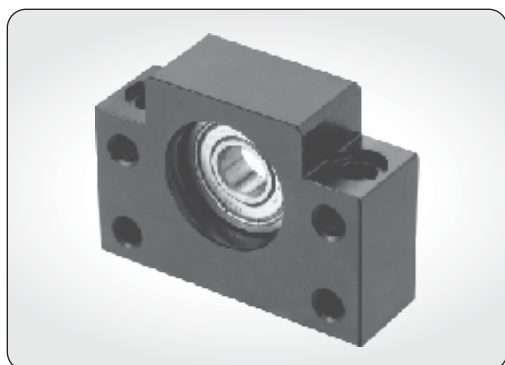
Screw Size		Ball DIA.	Effective turns circuitxnumber of thread	BASIC RATE LOAD (kgf)		BALLNUT DIMENSION										Nut Model No.
						O.D.	Length	Flange					Assembly Hole	Oil Hole	STIFFNESS	
O.D.	Lead			Dynamic (1x10 ⁶ REV.) Ca	Static Co	D	L	A	T	W	H	X	S	Q	kgf/μm	
16	5	3.175	3	570	1030	28	42	48	10	38	40	6.5	12	M6x1P	17	FSIN1605-3.0P
20	5	3.175	4	830	1890	36	50	58	12	47	44	6.5	12	M6x1P	21	FSIN2005-4.0P
25	5	3.175	4	940	2420	40	50	62	12	51	48	6.5	12	M6x1P	26	FSIN2505-4.0P
	10	4.762	4	1560	3550	40	85	62	12	51	48	6.5	15	M6x1P	27	FSIN2510-4.0P
32	5	3.175	4	1050	3390	50	50	80	12	65	62	9	12	M6x1P	32	FSIN3205-4.0P
	10	6.35	4	2510	5880	50	80	80	13	65	62	9	16	M6x1P	34	FSIN3210-4.0P
40	5	3.175	4	1180	4390	63	54	93	15	78	70	9	12	M8x1P	38	FSIN4005-4.0P
	10	6.35	4	2430	7860	36	82	93	15	78	70	9	15	M8x1P	41	FSIN4010-4.0P
50	10	6.35	4	2770	10290	75	88	110	18	93	85	11	16	M8x1P	50	FSIN5010-4.0P
	10	6.35	6	3920	15440	75	106	110	18	93	85	11	16	M8x1P	73	FSIN5010-6.0P

BK TYPE



Model No.	Shaft Diameter d1	L	L1	L2	L3	B	H	b ±0.02	b ±0.02	B1	H1	E	P	C1	C2	d2	X	Y	Z	M	T	G	Q
BK10	10	25	5	29	5	60	39	30	22	34	32.5	15	46	13	6	5.5	6.6	10.8	5	M3	16	-	-
BK12	12	25	5	29	5	60	43	30	25	34	32.5	18	46	13	6	5.5	6.6	10.8	1.5	M3	19	-	-
BK15	15	27	6	32	6	70	48	35	28	40	38	18	54	15	6	5.5	6.6	11	6.5	M4	22	-	-
BK17	17	35	9	44	7	86	64	43	39	50	55	28	68	19	8	6.6	9	14	8.5	M4	24	-	-
BK20	20	35	8	43	8	88	60	44	34	52	50	22	70	19	8	6.6	9	14	8.5	M4	30	26.7	M6
BK25	25	42	12	54	9	106	80	53	48	64	70	33	85	22	10	9	11	17	11	M5	35	39.5	M6
BK30	30	45	14	61	9	128	89	64	51	76	78	33	102	23	11	11	14	20	13	M6	40	41.5	M6
BK35	35	50	14	67	12	140	96	70	52	88	79	35	114	26	12	11	14	20	13	M8	50	42.5	M6
BK40	40	61	18	76	15	160	110	80	60	100	90	37	130	33	14	14	18	26	17.5	M8	50	42.5	M6

BF TYPE



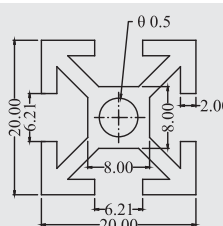
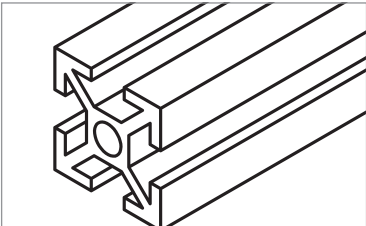
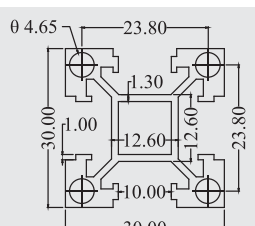
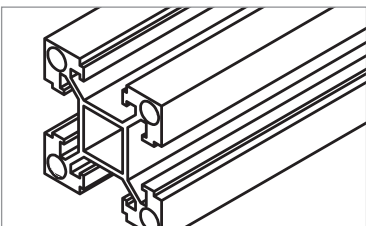
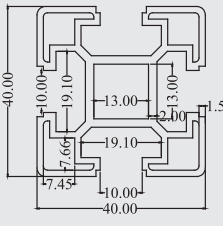
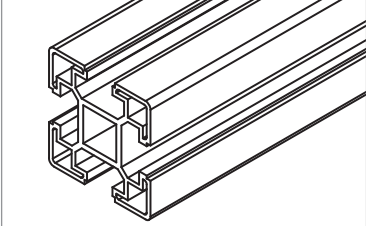
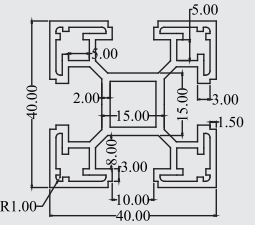
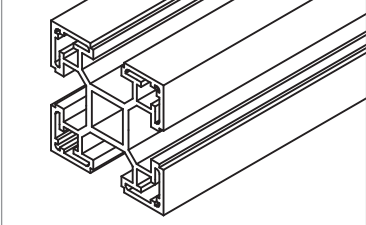
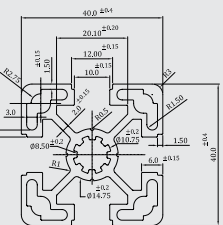
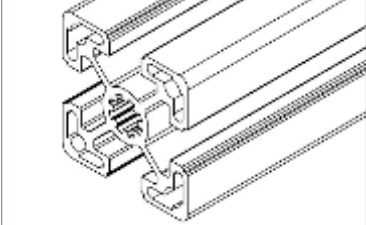
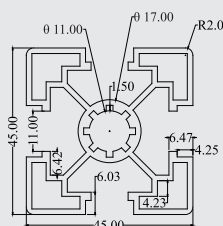
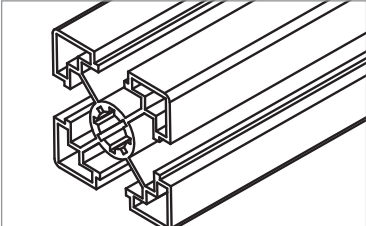
Model No.	Shaft Diameter d1	L	B	H	b ±0.02	h ±0.02	B1	H1	E	P	d2	C1	C2	X	Bearing	C Snap Ring
BF10	10	20	60	39	30	22	34	32.5	15	46	5.5	6.6	10.8	5	608ZZ	S08
BF12	12	20	60	43	30	25	34	32.5	18	46	5.5	6.6	10.8	1.5	6000ZZ	S10
BF15	15	20	70	48	35	28	40	38	18	54	5.5	6.6	11	6.5	6002ZZ	S15
BF17	17	23	86	64	43	39	50	55	28	68	6.6	9	14	8.5	6203ZZ	S17
BF20	20	26	88	60	44	34	52	50	22	70	6.6	9	14	8.5	6004ZZ	S20
BF25	25	30	106	80	53	48	64	70	33	85	9	11	17	11	6205ZZ	S25
BF30	30	32	128	89	64	51	76	70	33	102	11	14	20	13	6206ZZ	S30
BF35	35	32	140	96	70	52	88	79	35	114	11	14	20	13	6207ZZ	S35
BF40	40	37	160	110	80	60	100	90	37	130	14	18	26	17.5	6208ZZ	S40

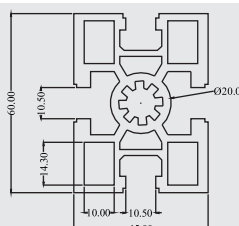
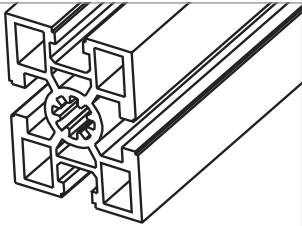
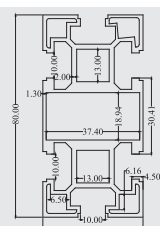
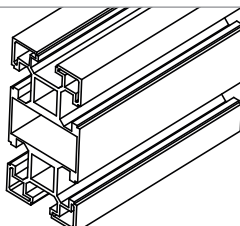
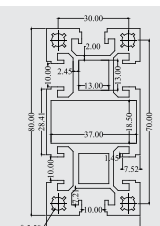
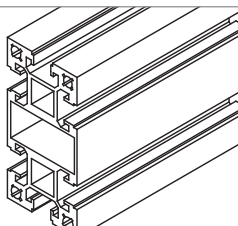
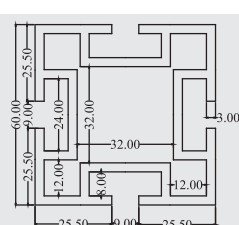
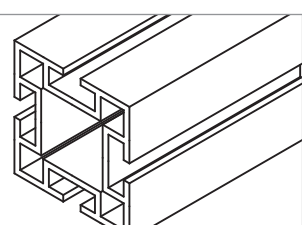
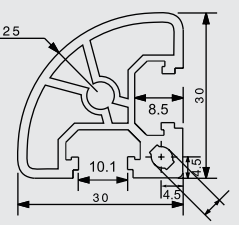
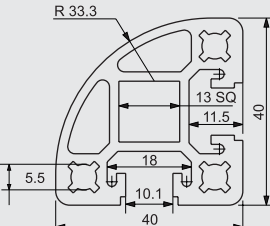
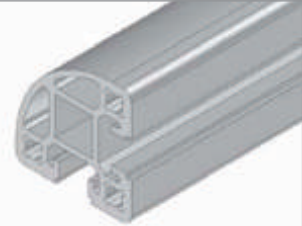
BK PART LIST

Part No.	Part Name	Qty.
1	Housing	1
2	Bearing	set
3	Holding lid	1
4	Collar	2
5	Seal	2
6	Lock Nut	1set
7	Hexagon socket Head Setscrew (with set piece)	2

BF PART LIST

Part No.	Part Name	Qty.
1	Housing	1
2	Bearing	set
3	Snap Ring	1

Cross Section	Hole Size	Slot Width (mm)	Slot Depth (mm)	Wall Thickness	Available Lenth	Profile
20X20 	Dia. 5	6.2	6.0	2.0	4 Mtrs	
S 30X30 	Square 10 x 10	10	8	1.3	4/5 Mtrs	
40X40 L 	Square 11x 11	10	8	1.3	4/5 Mtrs	
40X40 M 	Square 10 x 10	10	8	1.5	4/5 Mtrs	
40X40 	Square 10x10 (2 Nos.)	10	8.0	1.5	4/5 Mtrs	
45X45 	Dia. 10	20	14	1.5	4/5 Mtrs	

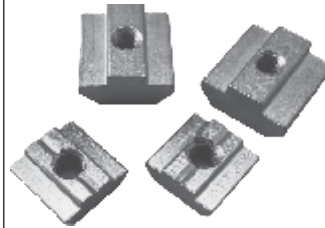
Cross Section	Hole Size	Slot Width (mm)	Slot Depth (mm)	Wall Thickness	Available Lenth	Profile
45X60 	Dia. 10	11	14	2.5	4/5 Mtrs	
40X80 L 	Square 10x10 (2 Nos.)	10	8.0	1.3	4/5 Mtrs	
40X80 H 	Square 10x10 (2 Nos.)	10	8.0	2.0	4/5 Mtrs	
60X60 	Square 30x30	9	8.0	3.0	4/5 Mtrs	
R 30X30 		10	8.0	2	4/5 Mtrs	
R 40X40 		10	8.0	1.5	2 Mtrs	



Diamond Nut



T Nut Hexagonal



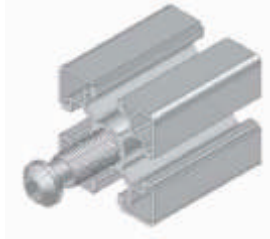
Side Entry T Nut



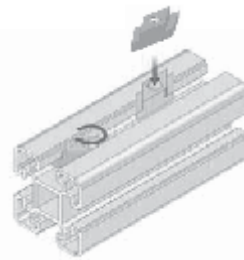
Top Entry Nut



End Screws



End Screw Assembly



Diamond Nut Top Loading



Allen Bolt



Cast Angle Bracket 30x30



Cast Angle Bracket 40x40



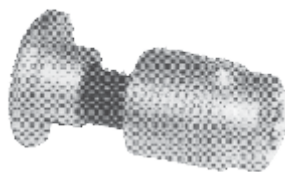
Cast Angle Bracket 80x40



Cast Angle Bracket 60x60



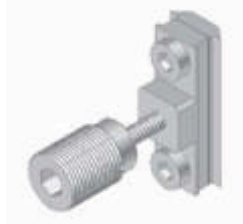
Hidden Bush



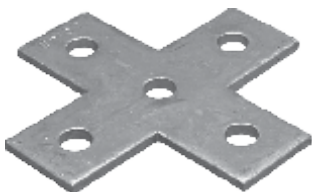
Hidden Joint Assy



Straight Joint



Hidden Joint Assembly



Cross Bracket



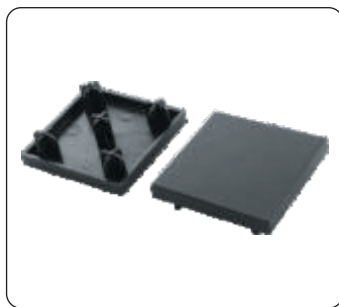
Tee Bracket



L Bracket



Straight Bracket



End Cap 20x20



End Cap 30x30



End Cap 40x40_L



End Cap 40x40_M



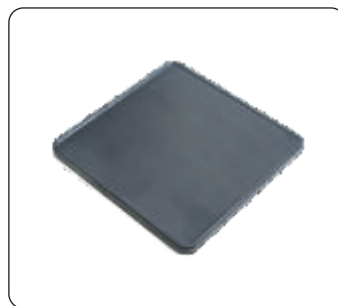
End Cap 45x45



End Cap 40x80_L



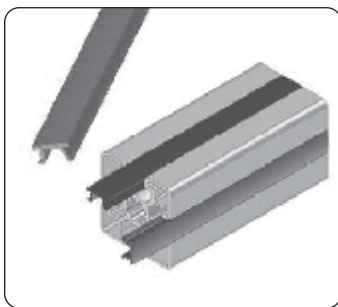
End Cap 40x80_H



End Cap 60x60



Leveling Base



**Cover Strip :
Blue/Black/Gray Color**



Hinges



Handle



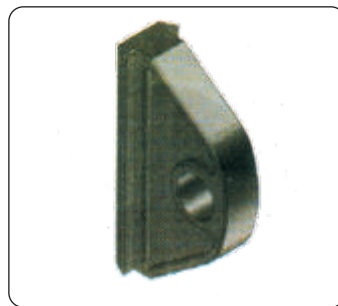
Hand Wheel



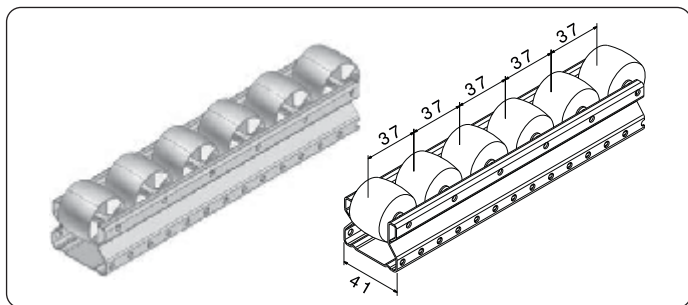
Caster Wheel



Caster Wheel with Brake



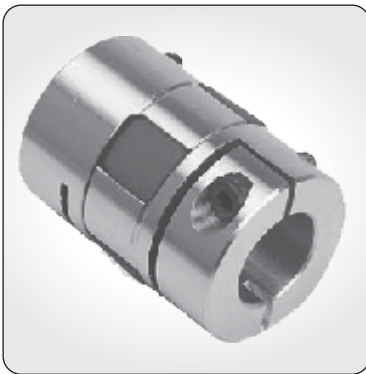
Slider PCS



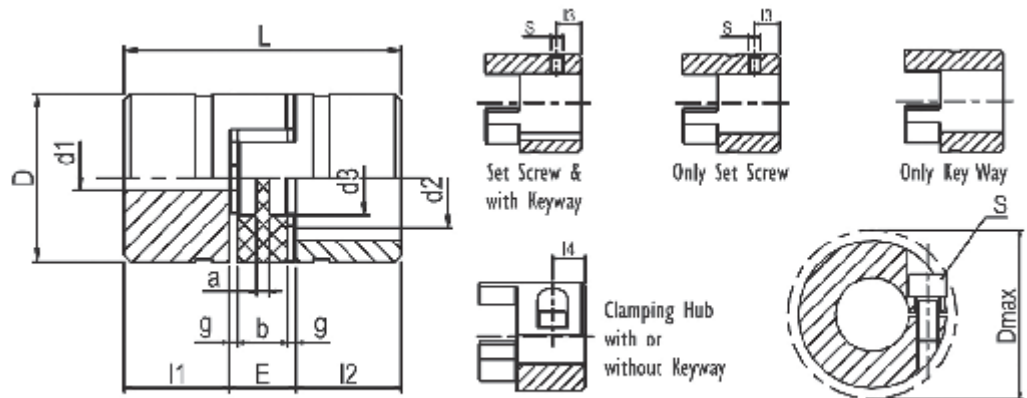
Track Roller



Track Roller Accessories

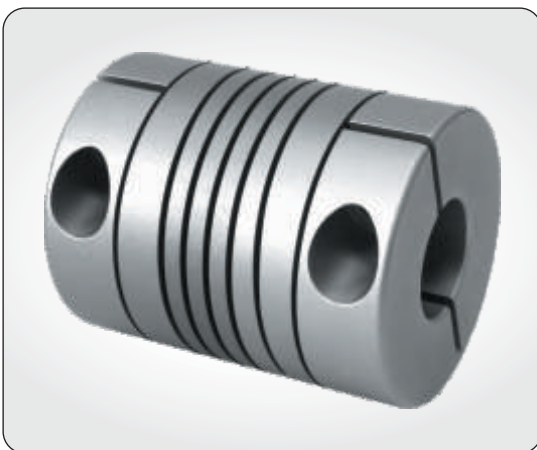


PU Flex Coupling

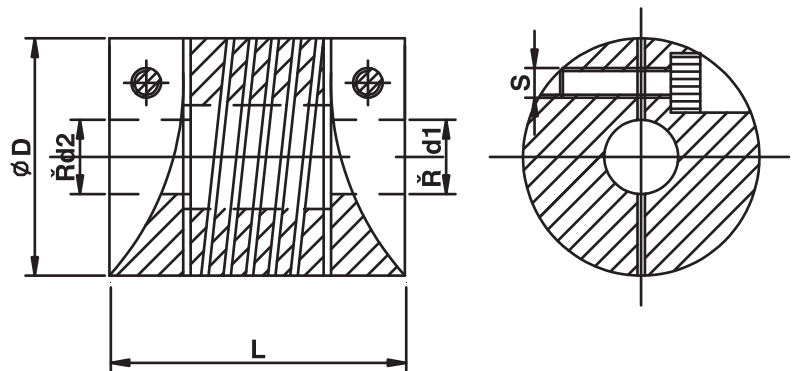


Dimentional Details

Size PUFlex	Bore Sizes mm			Overall Dimensions								Set Screw Type		Clamping Hub Type		Screw	
	Minimum	Maximum		Outer	Spider	Total	Hub	Space Bet*	Spider	Isolation	Spider Well	Screw	Distance	Screw	Distance	Max.	Tightening
	Set Screw	Clamping		Dia.	I.D.	Length	Length	Hubs	Width	Gap	Thickness	Size	from edge	Size	from edge	Dia.	Torque
	d1	d2	d2	D	d3	L	I1 & I2	E	b	g	a	S	3	S	I4	Dmax	Ts Nm
9	4	11	9	20	7	30	10	10	8	1	1.5	M4	5	M3	5	23.4	1.5
14	6	16	14	30	10.5	35	11	13	10	1.5	2	M4	5	M3	5	32.2	1.5
19/24	6	24	24	40	18	66	25	16	12	2	3	M5	10	M6	12	45.5	10.5
24/28	8	28	28	55	27	75	30	18	14	2	3	M5	10	M6	12	56.4	10.5
28/38	10	38	38	65	30	90	35	20	15	2.5	4	M6	15	M8	14	72.6	10.5
38/45	12	45	45	80	38	114	45	24	18	3	4	M6	15	M8	20	83.3	25
42	14	55	X	95	46	126	50	26	20	3	4	M8	20	M8	20	79	25
48	15	62	X	105	51	140	56	32	28	3.5	4	M8	20	M10	22	81	70
55	20	70	X	120	60	160	65	30	22	4	4.5	M10	20	M12	25	105	120



Encoder Coupling



Outer Dia	Length	d1 and d2 H7 mm	Clamping
D	L	Min. - Max.	Screw S
14	20	2.00 - 4.00	M2.5
16	24	3.00 - 6.00	M2.5
20	28	4.00 - 10.00	M3
25	32	5.00 - 11.0	M3
32	40	8.00 - 12.00	M4
35	40/50	10.00 - 17.00	M5
40	50	11.00 - 20.00	M5
50	50/60	12.00 - 25.00	M6

Temperature Controllers



Encoders



Sensors



Stepper Products



Integrated Stepper Motors



Stepper Motors



Stepper Drives

Closed Loop Steppers



Integrated Closed Loop
Stepper Motors



Stepper Motors



Closed Loop
Stepper Drives

Servo Products



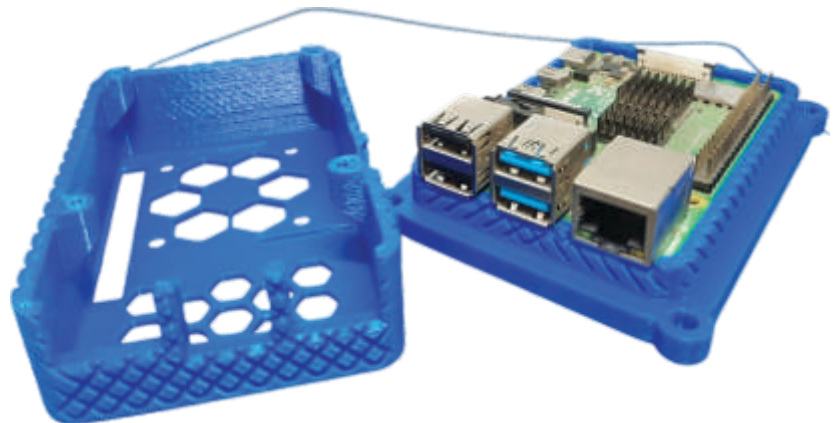
Integrated Servo Motors



Servo Motors



Servo Drives





Roller Conveyor



Assembly Table



Assembly Work Stations



Assembly Trolley



Fifo Rack Single Stage



Fifo Rack - 2 Stage



Aluminum Extrusion Table



Control Panel Trolley



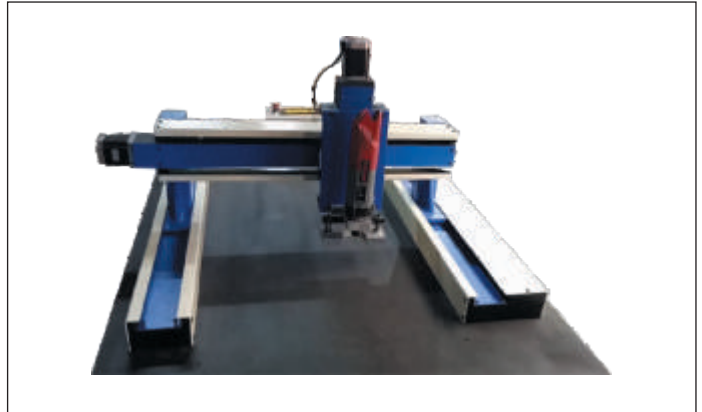
Assembly Trolley With Key Board Attachment



Assembly Trolley



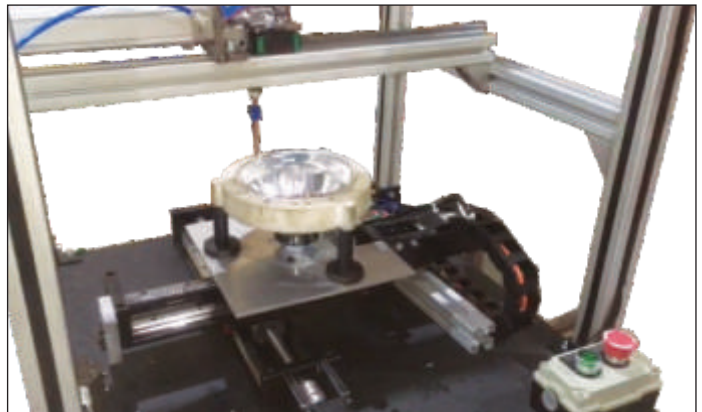
Hydraulic System



PCB Drilling Machine



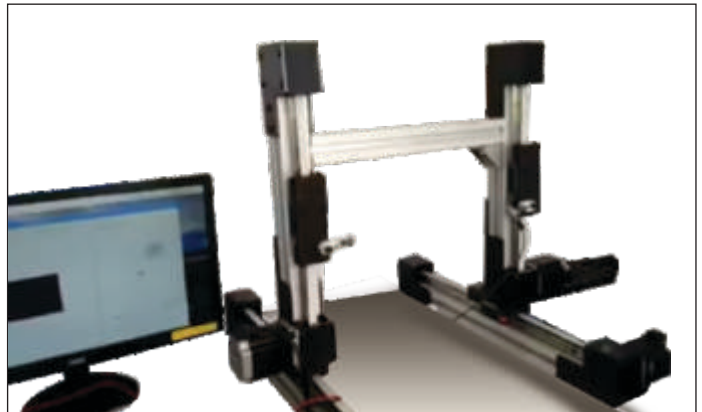
Router Slide



Glue Dispensing Machine



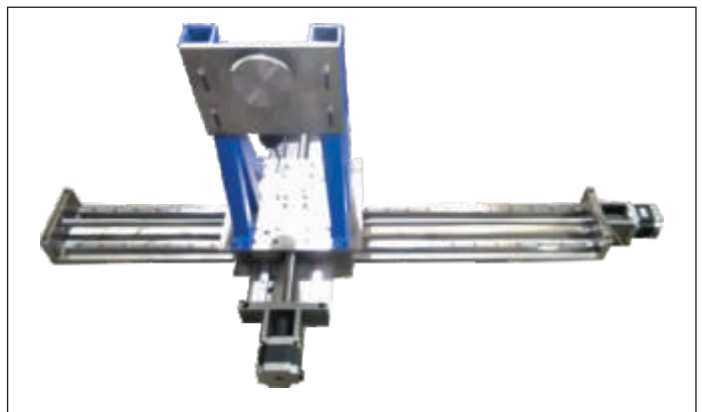
Checking Machine



Thermocol Cutting Machine



3D Printer



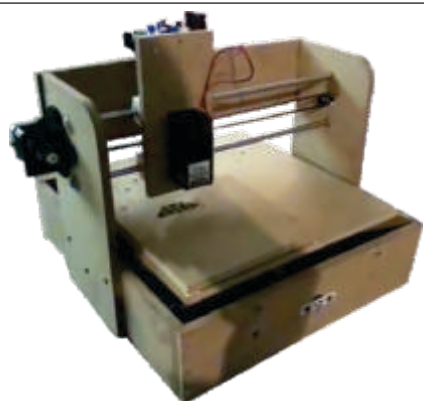
X - Y - Z with Rotary Arrangement



Indexing Table



Shaking Machine



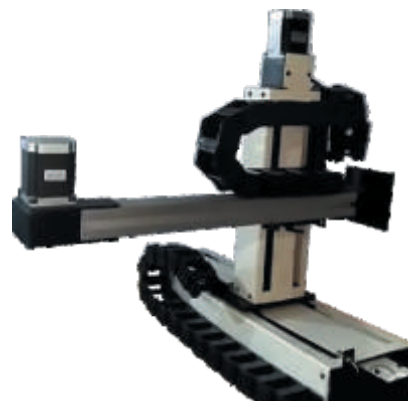
Compact Laser Machine



Flat Belt Conveyor



Slive / Wire Cutting Machine



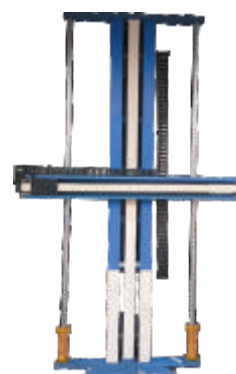
Pick & Place



Reciprocator Slide



Vertical Laser Cutting Machine



Self Programming Spray Painting Machine



100 kg Porter Machine



Fabricated Work Station



Automatic Laundry Press Machine



Automatic Bike Wash Machine



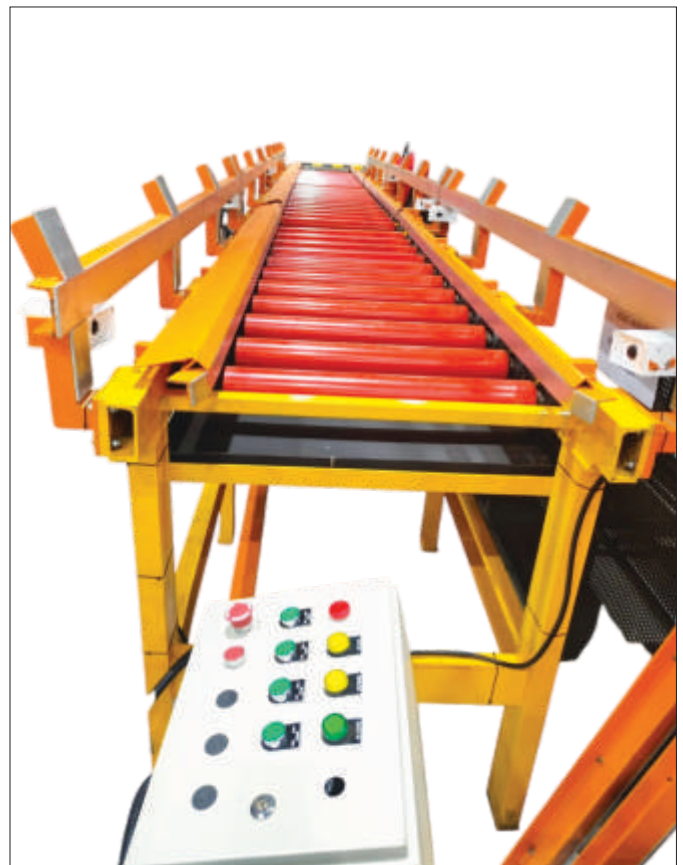
Linear Slide X-Y-Z



Agitator with Linear Actuator



Linear Slide X-Y



Powerised Roller Conveyor



Welding SPM



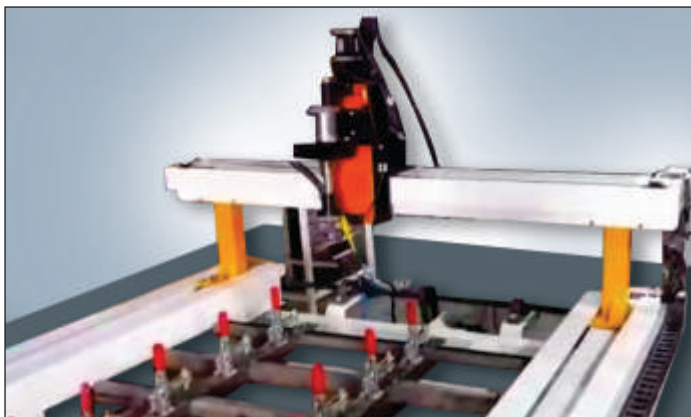
Scissor Lift



Powder Coating Reciprocator



Tool Holding and Sliding Trolley



4 Axis Welding SPM with Fixture



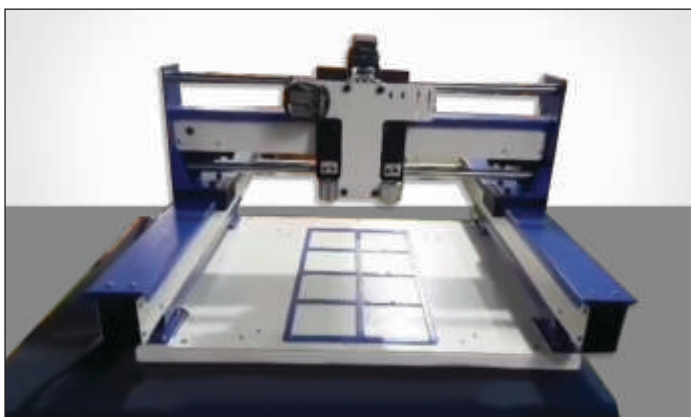
Industrial Slide Inkjet Printer Reciprocator



Turn Over Device (TOD)



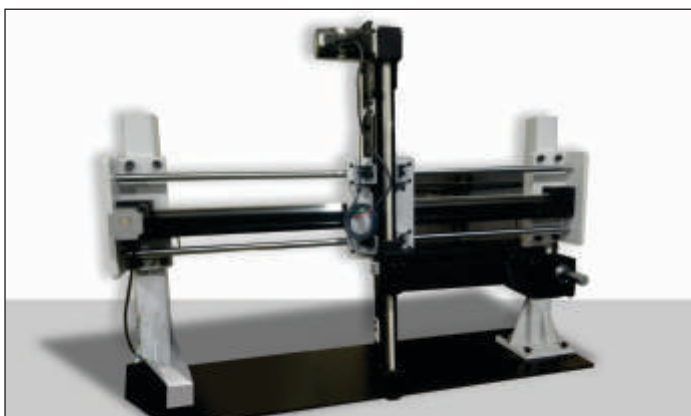
Slat Belt Conveyor with Rollers



3 Axis Controller



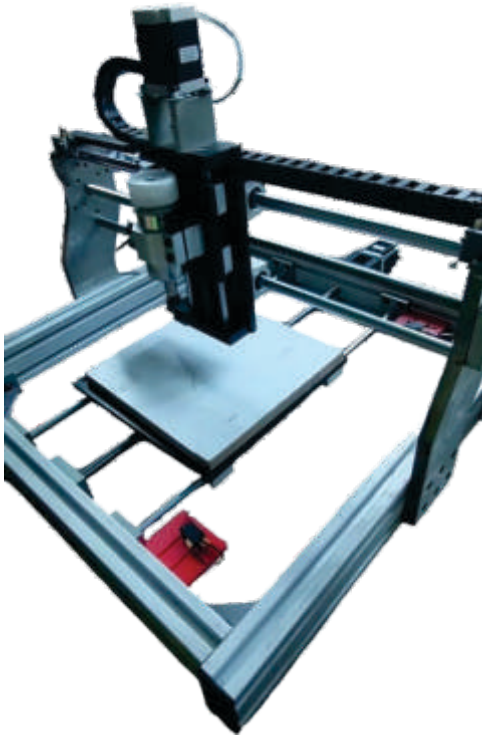
3 Axis Router with CNC Controller



Helmet Painting Machine



Automatic Potting XY Machine



Small Size Router Slide



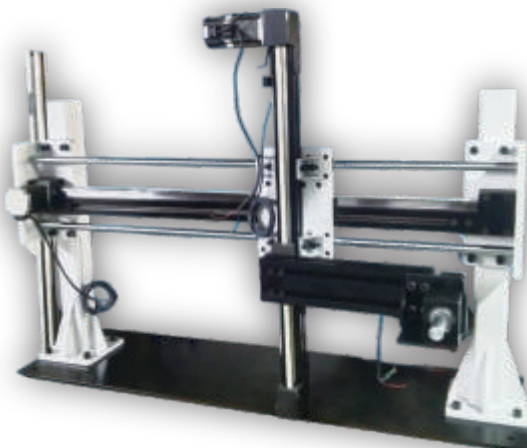
Eggs Printing S.P.M.



Soft Reciprocating Slide



Tool Trolley



Helmet Painting Machine



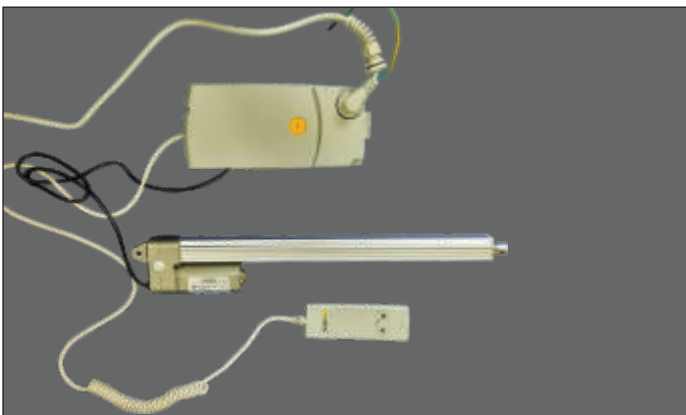
High Pressure Coolant System



Automatic Spray Painting Reciprocator



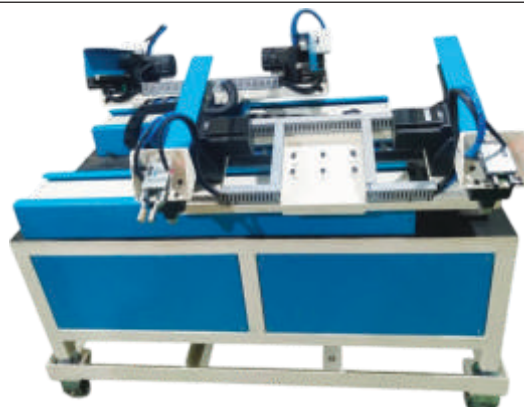
Paint Booth



Linear Actuator with Controller



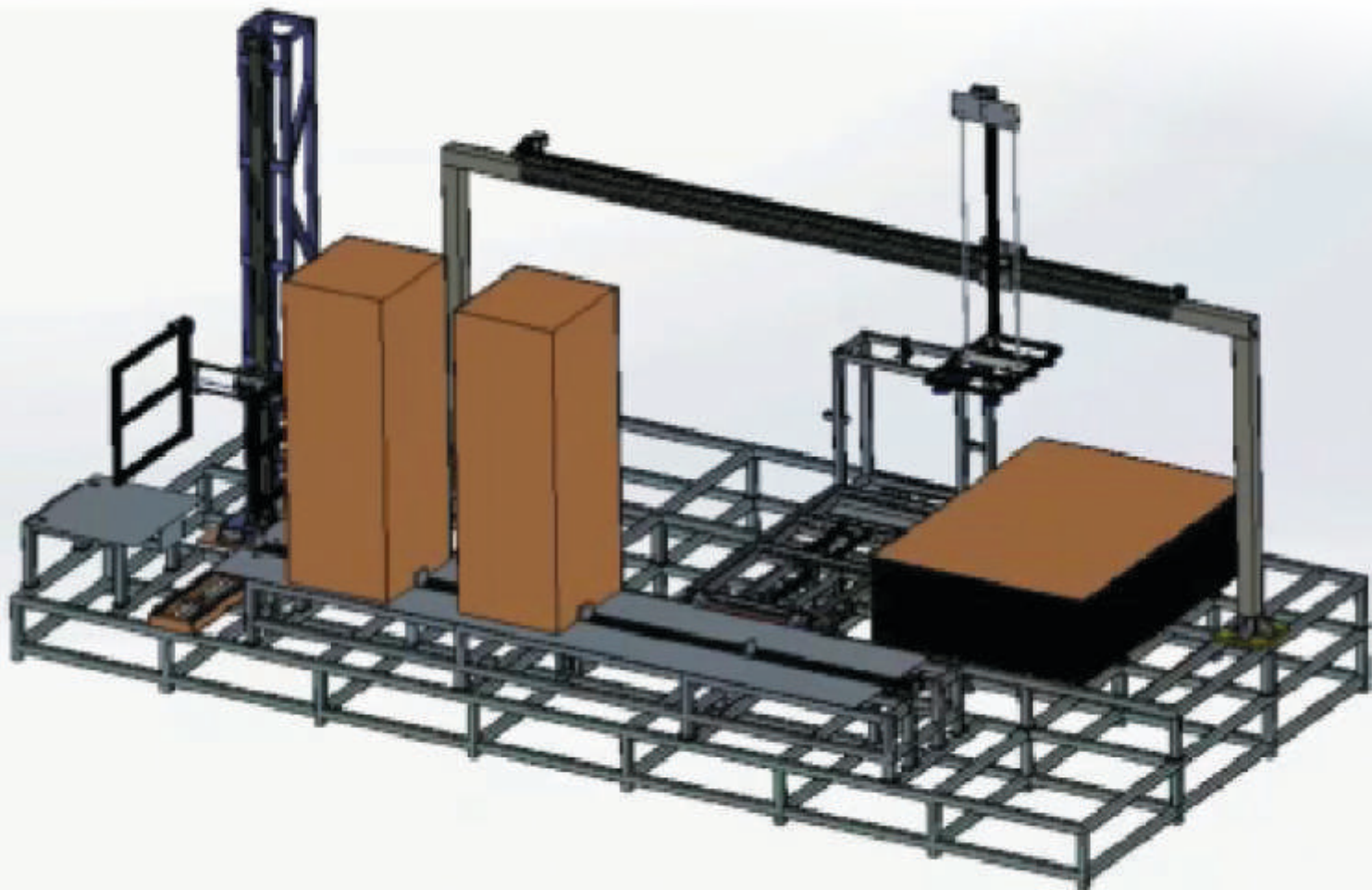
Trolley Mounted Scissor Lift



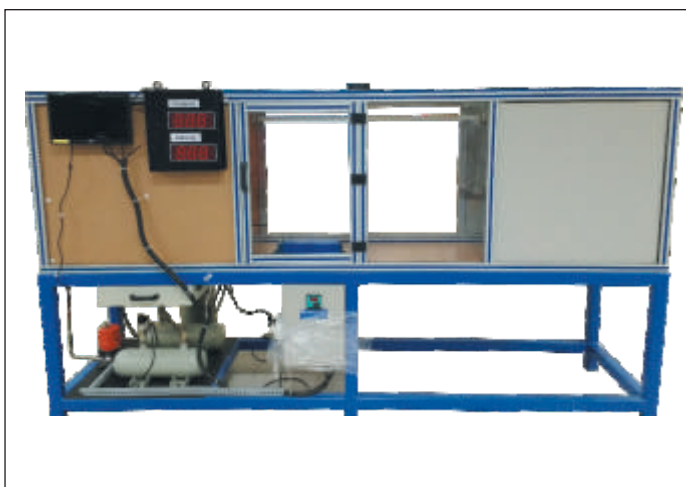
Pick & Place Machine



Workstation



Refrigerator Box Forming & Insertion Machine



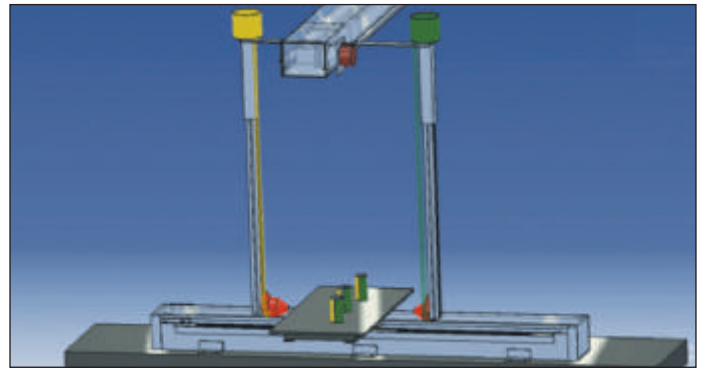
Velocity Measurement Machine



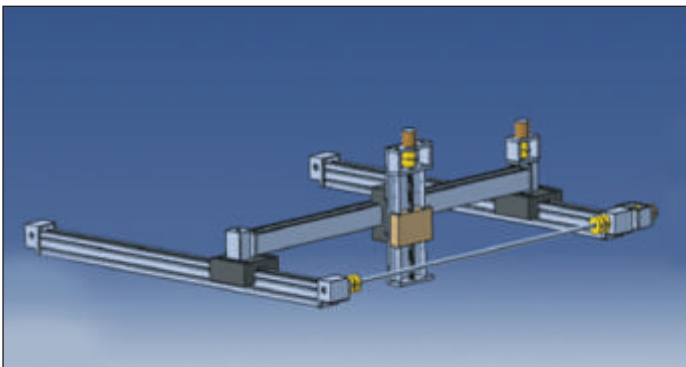
Grain Sorting Machine



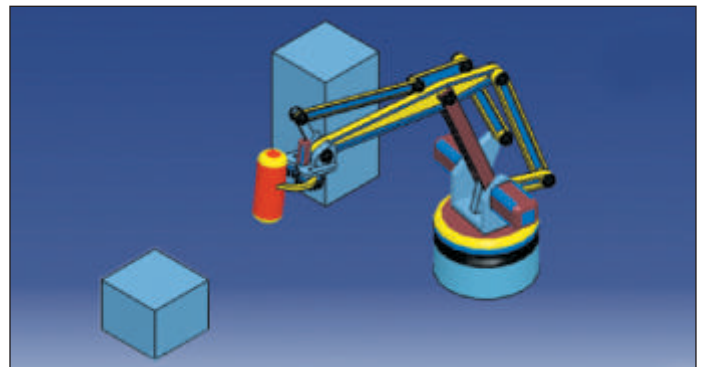
Spray Painting Unit



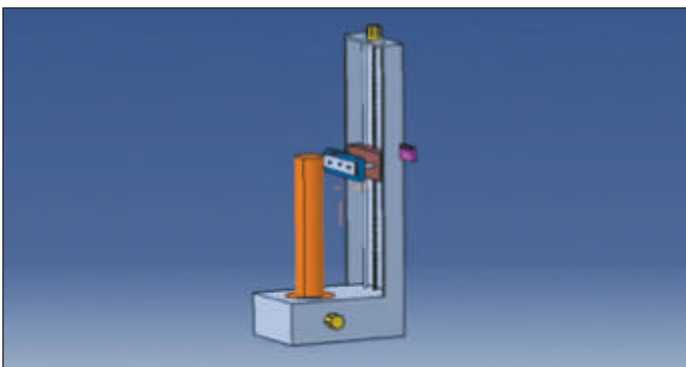
Spray Painting Machine



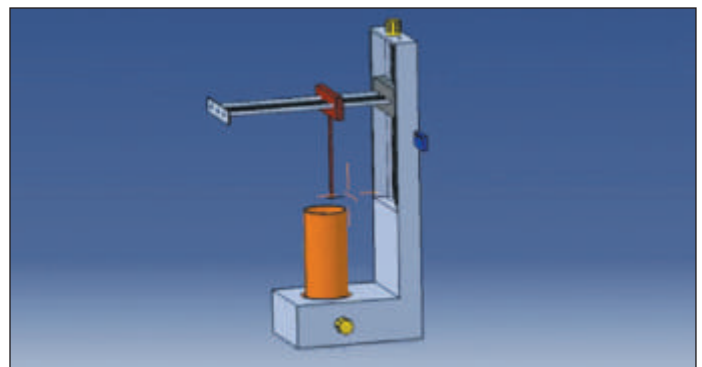
3 Axis Router Slide



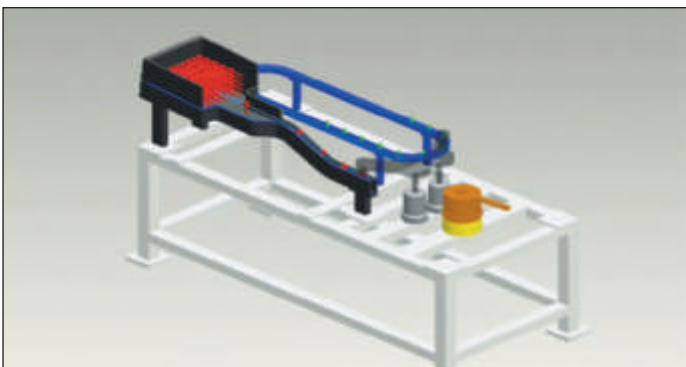
Pick & Place Robot



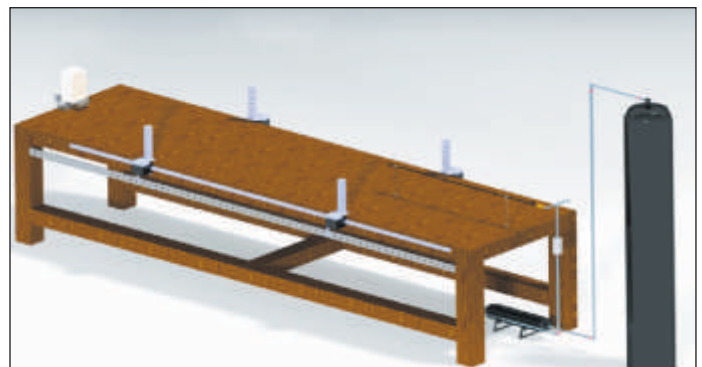
Outer Diameter Checking Machine



Inner Diameter Checking Machine



Detonator Assembly



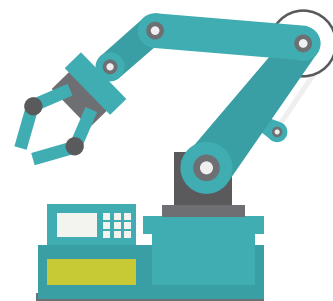
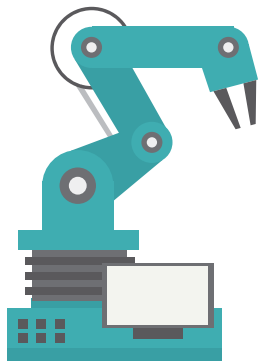
Velocity Measuring Machine

EASY YOUR WORK

BY

AUTOMATION PROCESS WITH SAIPRASAD ENTERPRISES

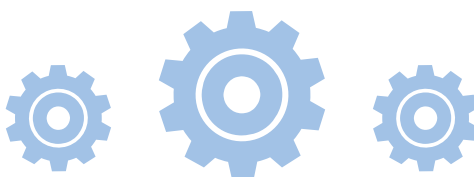
Some Of Our Smart Intelligent Machines
Which Are Helping More Companies.



- 4 Axis Robot
- X-Y Linear Slides
- LM Guidways & Guid Rod Slides
- Workstations
- Assembly Table
- 6 Axis Robot
- Timing Belt Slides
- XYZ Slides
- Aluminum Conveyors
- Customised Aluminum Extrusion Tables
- Customised Linear Slides
- Ball Screw Slide
- Lead Screw Slides
- Aluminum Trolleys

Special Purpose Machines

- Velocity Measurement
- Hydraulic System
- Spray Painting Machine
- Shaking Machine
- Pick & Place Gantry
- Grain Sorting Machine
- Powder Dispensing Machine
- Box Making Machine
- Twin Drill
- ID/OD Checking Machine
- Thickness Measurement Machine
- PCB Drilling
- Speed Checking
- 3D Printer Machine
- Compact Laser Machine
- Liner Coating Machine
- Vision System
- Welding SPM
- Bike Wash Machine
- Container Tightening
- Tilting Mechanism
- Router Slide
- Vertical Laser Cutting
- Indexing Table
- Slive/Wire Cutting Machine
- Grain Filling Machine
- Glue Dispensing Machine
- Assembly Automation
- Automatic Laundry Press
- Gantry System
- Crane Case Assembly





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