

i-Slide™ is a low cost linear motion slide that uses high precision miniature ball bearings.

PRODUCT FEATURES

- › Rail: SUS430 stainless steel
- › Bearing: Six NSK martensite stainless steel high-precision sealed ball bearings
- › Slider: Zinc coated steel + electroless nickel plating
- › Integrated hard stops

PRODUCT BENEFITS

- › Smooth motion
- › Simplified design for easy mounting and installation
- › Pre-loaded design eliminates play
- › Ideal for light load applications
- › Corrosion resistant
- › Low particle generation with sealed bearings
- › Minimal maintenance
- › Low cost solution

APPLICATIONS

- › Inspection Microscopes
- › Laboratory Automation
- › Robotics
- › XY Tables

CONDITIONS

C

CORROSION

LL

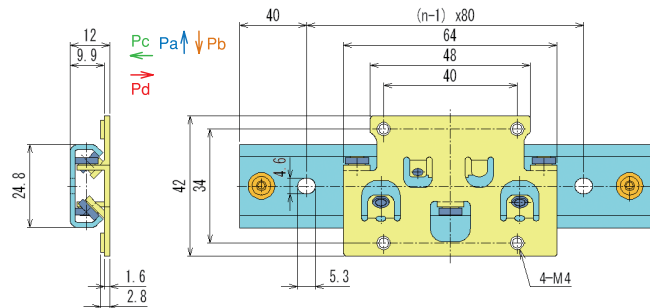
LIGHT LOAD



STANDARD DIMENSIONS (STAINLESS RAIL)

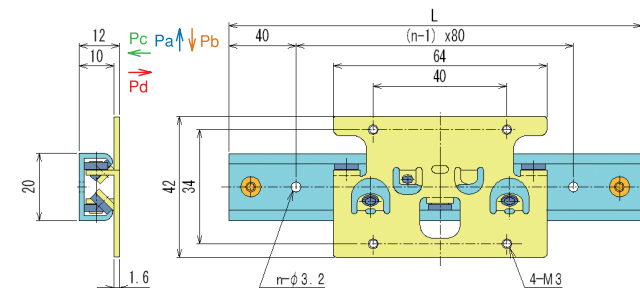
25SW SERIES

Part Number	Boundary Dimensions		
	Rail Length (mm)	Stroke (mm)	No. of Mounting Holes
25SW 0160SS	160	88	2
25SW 0240SS	240	168	3
25SW 0320SS	320	248	4
25SW 0400SS	400	328	5
25SW 0480SS	480	408	6
25SW 0560SS	560	488	7
25SW 0640SS	640	568	8
25SW 0720SS	720	648	9
25SW 0800SS	800	728	10
25SW 0880SS	880	808	11
25SW 0960SS	960	888	12
25SW 1040SS	1040	968	13
25SW 1200SS	1200	1128	15



20SW SERIES

Part Number	Boundary Dimensions		
	Rail Length (mm)	Stroke (mm)	No. of Mounting Holes
20SW 160SSN	160	84	2
20SW 240SSN	240	164	3
20SW 570SSN	570	500	7



LOADING DIRECTION

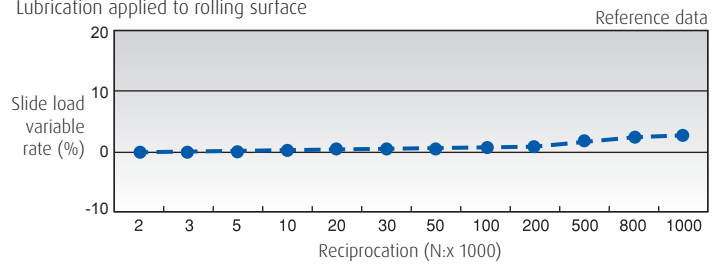
	Pa	Pb	Pc	Pd
Static load rating (N)	50	100	200	100
Dynamic load rating (N)	10	20	80	30

Moment load can cause looseness due to the nature of the i-Slide™ design.

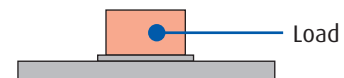
TESTING DATA FOR i-SLIDE™

Endurance test data (Horizontal Plane, Part # 20SW 240SSN)

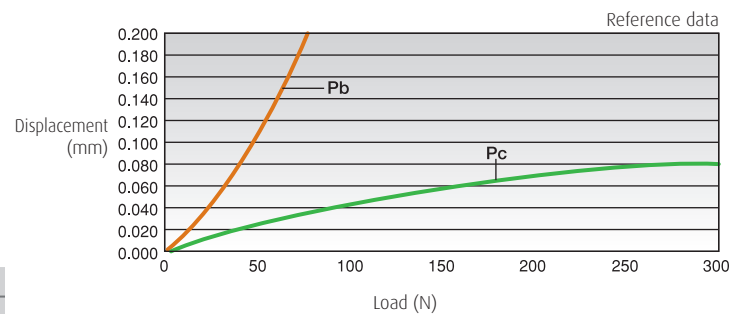
Testing condition: Load 30N Speed 160mm/sec
Lubrication applied to rolling surface



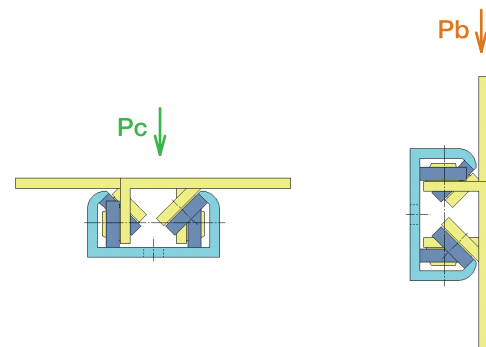
Slide load is stable after 200km



Rigidity Testing Data



Due to the nature of its design, the rigidity in the Pc direction is higher than the Pb direction. Application of load in the Pc direction is recommended.



Bearing running surface needs lubrication. Please apply lubrication periodically.