

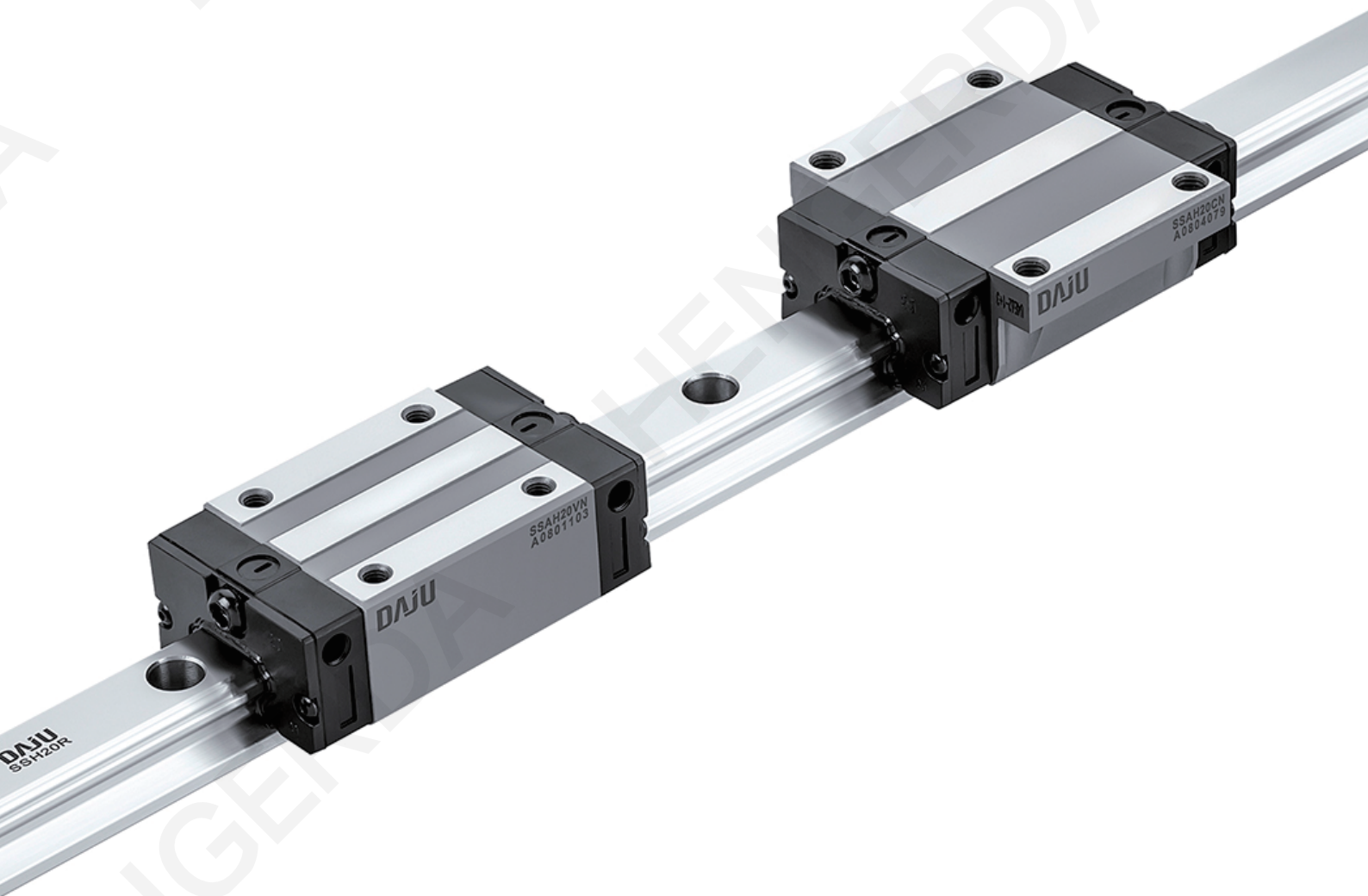


恒而达  
HENDERDA

STOCK CODE: 300946

# SSA SERIES

LINEAR GUIDEWAY (BALL TYPE)



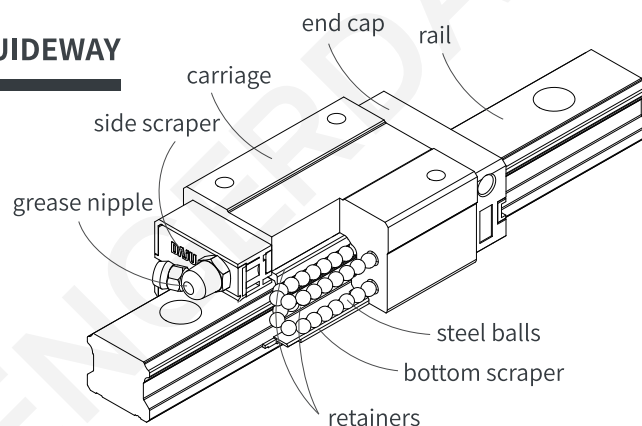
HENDERDA NEW MATERIALS (FUJIAN) CO., LTD.



## 01 CHARACTERISTICS OF SSA LINEAR GUIDEWAY SERIES

SSA linear guideways are designed to have steel balls contacting at 45 degrees with the rail and sliders, which enables the SSA linear guideways to be capable of having self-alignment even when installation error occurs and capable of bearing equal load from all four directions. At the same time of increasing preload level to strengthen the rigidity of the linear guideways, smoothness of movement and precision of the linear guideways can still be ensured, which makes SSA linear guideways suitable for applications where precision, high load and smooth movements are needed. The above capabilities and the interchangeableness of SSA linear guideways are made for satisfying modern industrial automation needs of high speed, abrasiveness, high load, high precision, easy assembly, and convenient maintenance .

## 02 BASIC STRUCTURE OF SSA LINEAR GUIDEWAY

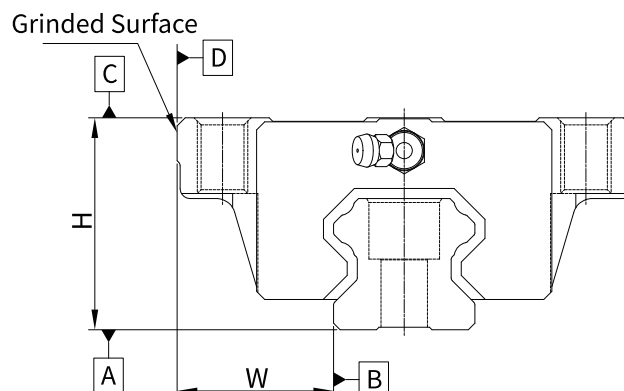


## 03 APPLICATION EXAMPLES

SSA series are widely used in machine including CNC machining center, CNC grinding machine, NC lathe, drilling machine, laser-cutting machine, cartesian coordinate robot, photovoltaic equipment, and automated production applications in the industries of electronics, woodworking, stone machining, automobiles, transportation, semiconductor and so on.

## 04 PRECISION LEVEL

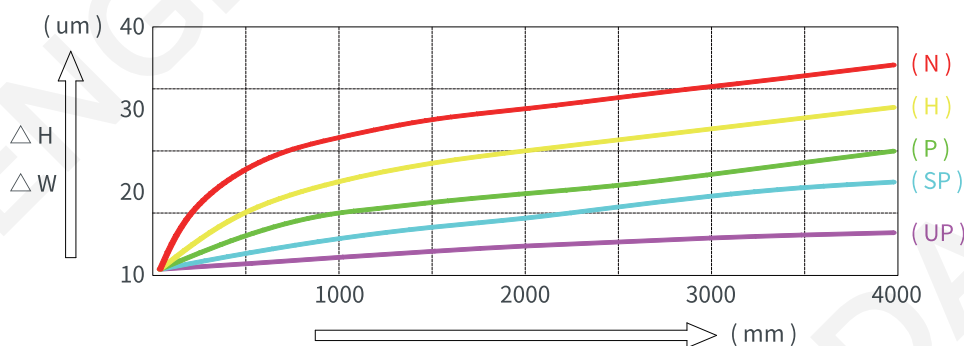
SSA linear guideways have five precision levels of Normal (N), High (H), Precision (P), Super Precision (SP) and Ultra Precision (UP). Users can choose the needed precision level based on application needs.



Unit : mm

| Item                                                        | Precision Level | Normal( N )                     | High( H )  | Precision( P )                           | Super precision( SP )                    | Ultra precision( UP )                    |
|-------------------------------------------------------------|-----------------|---------------------------------|------------|------------------------------------------|------------------------------------------|------------------------------------------|
| Height Tolerance ( H )                                      |                 | $\pm 0.1$                       | $\pm 0.04$ | $\begin{matrix} 0 \\ -0.04 \end{matrix}$ | $\begin{matrix} 0 \\ -0.02 \end{matrix}$ | $\begin{matrix} 0 \\ -0.01 \end{matrix}$ |
| Width Tolerance( W )                                        |                 | $\pm 0.1$                       | $\pm 0.04$ | $\begin{matrix} 0 \\ -0.04 \end{matrix}$ | $\begin{matrix} 0 \\ -0.02 \end{matrix}$ | $\begin{matrix} 0 \\ -0.01 \end{matrix}$ |
| Paired Single Axis Combined Height Tolerance ( $\Delta H$ ) |                 | 0.03                            | 0.02       | 0.01                                     | 0.005                                    | 0.003                                    |
| Paired Single Axis Combined Width Tolerance ( $\Delta W$ )  |                 | 0.03                            | 0.02       | 0.01                                     | 0.005                                    | 0.003                                    |
| Running Parallelism of Plane C Relative to Plane A          |                 | $\Delta H$ See the figure below |            |                                          |                                          |                                          |
| Running Parallelism of Plane D Relative to Plane B          |                 | $\Delta W$ See the figure below |            |                                          |                                          |                                          |

## GUIDEWAY LENGTH AND RUNNING PRECISION FIGURE



## GUIDEWAY LENGTH AND RUNNING PRECISION CHART

Unit : mm

| Rail Length<br>mm  | Precision Level                                                      |    |    |    |    |
|--------------------|----------------------------------------------------------------------|----|----|----|----|
|                    | N                                                                    | H  | P  | SP | UP |
|                    | running parallelism values for $\Delta H$ and $\Delta W$ values (μm) |    |    |    |    |
| $\leq 500$         | 17                                                                   | 11 | 7  | 4  | 2  |
| $> 500 \sim 1000$  | 22                                                                   | 15 | 10 | 6  | 3  |
| $> 1000 \sim 1500$ | 25                                                                   | 18 | 11 | 8  | 4  |
| $> 1500 \sim 2000$ | 27                                                                   | 20 | 13 | 9  | 5  |
| $> 2000 \sim 2500$ | 29                                                                   | 22 | 14 | 11 | 6  |
| $> 2500 \sim 3000$ | 30                                                                   | 24 | 16 | 12 | 7  |
| $> 3000 \sim 3500$ | 32                                                                   | 25 | 18 | 13 | 8  |
| $> 3500 \sim 4000$ | 34                                                                   | 27 | 20 | 15 | 9  |

## 05 PRELOAD

## SSAH PRELOAD

C : Basic Dynamic Load

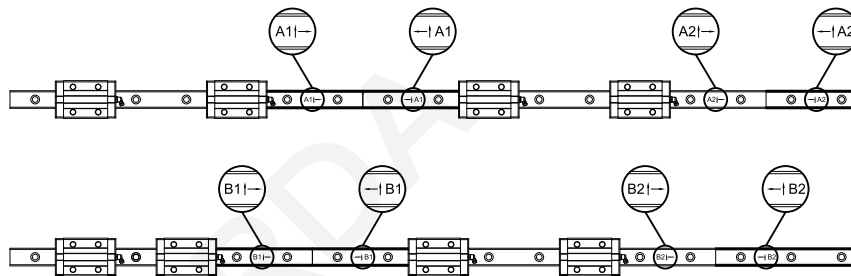
| Item Preload<br>Level | Symbol | Preload            |
|-----------------------|--------|--------------------|
| Zero Clearance        | Z0     | $0 \sim 0.02C$     |
| Medium Preload        | ZA     | $0.05C \sim 0.07C$ |
| Heavy Preload         | ZB     | $0.10C \sim 0.12C$ |

## SSAC PRELOAD

C : Basic Dynamic Load

| Item Preload<br>Level | Symbol | Preload            |
|-----------------------|--------|--------------------|
| Zero Clearance        | Z0     | $0 \sim 0.02C$     |
| Medium Preload        | ZA     | $0.03C \sim 0.05C$ |
| Heavy Preload         | ZB     | $0.06C \sim 0.08C$ |

## 06 BUTT-JOINTS OF RAILS



When the length of linear guideway needs to be higher than its standard length, two or more linear guideways could be connected to meet the length requirement. Please follow the aligning instruction as illustrated (note: The clearance between linear guideway should be near 0.05 mm). The coding patterns are shown in the table below:

|                     | Align the first linear guideway | Align the second linear guideway | Align the third linear guideway | ...      | Align the Nth linear guideway |
|---------------------|---------------------------------|----------------------------------|---------------------------------|----------|-------------------------------|
| Axis 01 in parallel | No markings,A1                  | A1 , A2                          | A2 , A3                         | A3 , ... | AN,No markings                |
| Axis 02 in parallel | No markings,B1                  | B1 , B2                          | B2 , B3                         | B3 , ... | BN,No markings                |
| ...                 | ...                             |                                  |                                 |          | ...                           |
| Axis 26 in parallel | No markings,Z1                  | Z1 , Z2                          | Z2 , Z3                         | Z3 , ... | ZN,No markings                |

## 07 PRODUCT MODELS

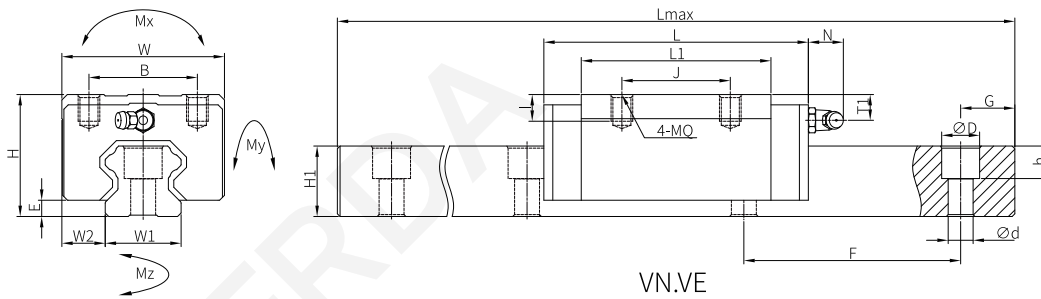
### A CODING PRINCIPLES

|       |     |      |      |      |     |      |     |                                                   |         |           |
|-------|-----|------|------|------|-----|------|-----|---------------------------------------------------|---------|-----------|
| 1 SSA | 2 H | 3 30 | 4 CN | 5 Z0 | 6 P | 7 UU | 8 2 | 9 R2000: Mounting from Above + Rail Length 2000MM | 10 G1G2 | 11 II,III |
|-------|-----|------|------|------|-----|------|-----|---------------------------------------------------|---------|-----------|

|                                                                                                                                                                                                                 |                                                                                                                                                                                                                     |                                                                                                                |                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1 CODING PRINCIPLE</b><br>SSA: Ball Type Linear Guideways (High assembly and Low Assembly on Separate Rails)                                                                                                 | <b>5 PRELOAD FORM</b><br>Z0: Zero clearance<br>ZA: Medium preload<br>ZB: Heavy preload                                                                                                                              | <b>6 PRECISION LEVEL</b><br>N: Normal<br>H: High<br>P: Precision<br>SP: Super Precision<br>UP: Ultra Precision | <b>8 THE NUMBER OF SLIDERS FOR A SINGLE RAIL</b>                                                                                                                                                                             |
| <b>2 ASSEMBLY TYPE</b><br>H: High assembly<br>C: low assembly                                                                                                                                                   |                                                                                                                                                                                                                     |                                                                                                                | <b>9 BOLTING OF THE RAIL AND ITS LENGTH</b><br>R2000: Mounting from Above + 2000MM Rail Length<br>T2000: Mounting from Below + 2000MM Rail Length                                                                            |
| <b>3 SIZE</b><br>15、20、25、30、35、45                                                                                                                                                                              | <b>7 DUST SCRAPER TYPE</b><br>UU: Side scraper<br>DD: Side scraper + bottom scraper<br>SD: Side scraper + bottom scraper + metal scraper<br>KK: Double side scrapers + bottom scraper<br>Unmarked: Side scraper(UU) |                                                                                                                | <b>10 THE SIDE DISTANCE OF LINEAR GUIDEWAY</b><br>Left side distance G1: the first hole center distance to the left edge of the rail<br>Right side distance G2: the first hole center distance to the right edge of the rail |
| <b>4 SHAPE AND LOAD FORM</b><br>VS: Rectangular/medium load<br>CS: Flange/medium load<br>VN: Rectangular/heavy load<br>VE: Rectangular/super-heavy load<br>CN: Flange/heavy load<br>CE: Flange/super-heavy load |                                                                                                                                                                                                                     |                                                                                                                | <b>11 THE NUMBER OF RAILS ON A SINGLE AXIS</b><br>2 rails marked as: II<br>3 rails marked as: III, and so on in a similar manner                                                                                             |

## B DIMENSION TABLE

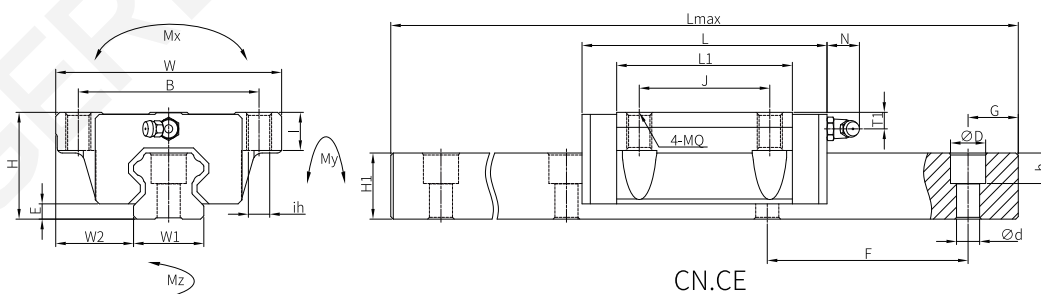
### SSAH\_V: HIGH ASSEMBLY SQUARE SLIDER



| Mode  | Assembly specification-mm |       |      |      | Slider-mm |      |       |     |      |       |        |      |      |
|-------|---------------------------|-------|------|------|-----------|------|-------|-----|------|-------|--------|------|------|
|       | H                         | W     | W2   | E    | L         | B    | J     | MQ  | I    | L1    | Oil H  | T1   | N    |
| H15VN | 28.0                      | 34.0  | 9.5  | 4.3  | 59.8      | 26.0 | 26.0  | M4  | 6.0  | 39.4  | M4×0.7 | 8.0  | 7.0  |
| H20VN | 30.0                      | 44.0  | 12.0 | 4.6  | 75.3      | 32.0 | 36.0  | M5  | 6.0  | 50.5  | M6×1   | 6.0  | 16.5 |
| H20VE |                           |       |      |      | 90.0      |      | 50.0  |     |      | 65.2  |        |      |      |
| H25VN | 40.0                      | 48.0  | 12.5 | 5.5  | 83.0      | 35.0 | 35.0  | M6  | 8.0  | 58.0  | M6×1   | 10.0 | 16.5 |
| H25VE |                           |       |      |      | 103.6     |      | 50.0  |     |      | 78.6  |        |      |      |
| H30VN | 45.0                      | 60.0  | 16.0 | 6.0  | 95.0      | 40.0 | 40.0  | M8  | 10.0 | 70.0  | M6×1   | 9.5  | 16.5 |
| H30VE |                           |       |      |      | 118.0     |      | 60.0  |     |      | 93.0  |        |      |      |
| H35VN | 55.0                      | 70.0  | 18.0 | 7.5  | 111.0     | 50.0 | 50.0  | M8  | 12.0 | 80.0  | M6×1   | 16.0 | 16.5 |
| H35VE |                           |       |      |      | 136.8     |      | 72.0  |     |      | 105.8 |        |      |      |
| H45VN | 70.0                      | 86.0  | 20.5 | 9.5  | 133.8     | 60.0 | 60.0  | M10 | 17.0 | 97.0  | M10×1  | 18.5 | 17.5 |
| H45VE |                           |       |      |      | 165.2     |      | 80.0  |     |      | 128.8 |        |      |      |
| H55VN | 80.0                      | 100.0 | 23.5 | 13.0 | 164.1     | 75.0 | 75.0  | M12 | 20.0 | 117.7 | M10×1  | 22.0 | 17.5 |
| H55VE |                           |       |      |      | 202.2     |      | 95.0  |     |      | 155.8 |        |      |      |
| H65VN | 90.0                      | 126.0 | 31.5 | 15.0 | 195.0     | 76.0 | 70.0  | M16 | 22.0 | 144.2 | M10×1  | 15.0 | 17.5 |
| H65VE |                           |       |      |      | 254.4     |      | 120.0 |     |      | 203.6 |        |      |      |

| Mode  | Guideway (Rail)-mm |      |       |      |      |      | Load Rating-KN            |                           | Static torque-KN*M |      |      | Weight of Slider | Weight of Rail |
|-------|--------------------|------|-------|------|------|------|---------------------------|---------------------------|--------------------|------|------|------------------|----------------|
|       | W1                 | H1   | F     | d    | D    | h    | Dynamic load <sub>c</sub> | Static load <sub>c0</sub> | Mx                 | My   | Mz   | Kgf              | Kgf/M          |
| H15VN | 15.0               | 15.0 | 60.0  | 4.8  | 7.5  | 6.0  | 11.15                     | 24.80                     | 0.16               | 0.14 | 0.14 | 0.20             | 1.44           |
| H20VN | 20.0               | 17.5 | 60.0  | 6.0  | 9.5  | 8.5  | 17.40                     | 37.08                     | 0.36               | 0.26 | 0.26 | 0.35             | 2.24           |
| H20VE |                    |      |       |      |      |      | 20.76                     | 47.86                     | 0.46               | 0.45 | 0.45 | 0.43             |                |
| H25VN | 23.0               | 22.0 | 60.0  | 7.0  | 11.0 | 9.0  | 25.95                     | 55.07                     | 0.61               | 0.48 | 0.48 | 0.56             | 3.26           |
| H25VE |                    |      |       |      |      |      | 32.10                     | 74.48                     | 0.83               | 0.84 | 0.84 | 0.74             |                |
| H30VN | 28.0               | 26.0 | 80.0  | 9.0  | 14.0 | 12.0 | 37.97                     | 81.40                     | 1.01               | 0.81 | 0.81 | 0.94             | 4.54           |
| H30VE |                    |      |       |      |      |      | 46.32                     | 107.93                    | 1.33               | 1.40 | 1.40 | 1.22             |                |
| H35VN | 34.0               | 29.0 | 80.0  | 9.0  | 14.0 | 12.0 | 48.53                     | 100.81                    | 1.64               | 1.14 | 1.14 | 1.58             | 6.43           |
| H35VE |                    |      |       |      |      |      | 59.01                     | 133.58                    | 2.18               | 1.98 | 1.98 | 2.02             |                |
| H45VN | 45.0               | 38.0 | 105.0 | 14.0 | 20.0 | 17.0 | 76.02                     | 152.81                    | 2.86               | 2.23 | 2.23 | 2.90             | 10.55          |
| H45VE |                    |      |       |      |      |      | 92.65                     | 202.98                    | 3.80               | 3.87 | 3.87 | 3.82             |                |
| H55VN | 53.0               | 44.0 | 120.0 | 16.0 | 23.0 | 20.0 | 152.92                    | 211.01                    | 3.67               | 2.65 | 2.65 | 4.22             | 15.24          |
| H55VE |                    |      |       |      |      |      | 184.63                    | 276.02                    | 4.81               | 4.53 | 4.53 | 5.69             |                |
| H65VN | 63.0               | 53.0 | 150.0 | 18.0 | 26.0 | 22.0 | 212.92                    | 287.15                    | 6.63               | 4.24 | 4.24 | 7.52             | 21.52          |
| H65VE |                    |      |       |      |      |      | 277.64                    | 420.27                    | 9.36               | 7.35 | 7.35 | 10.5             |                |

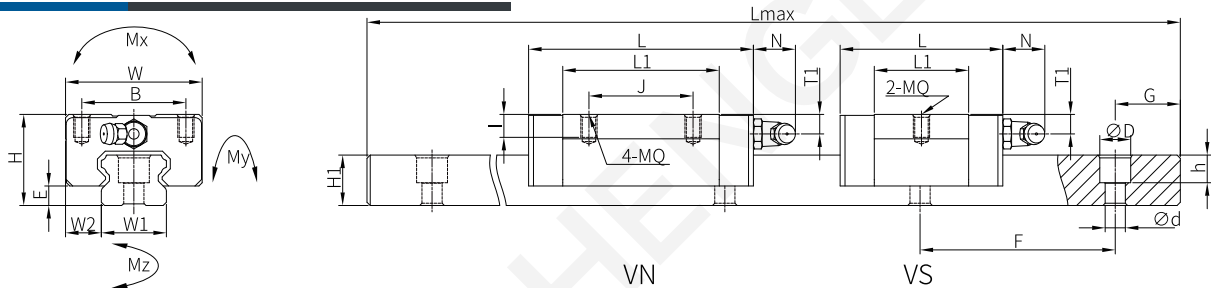
### SSAH\_C: HIGH ASSEMBLY FLANGE SLIDER



| Mode  | Assembly specification-mm |       |      |      | Slider-mm |       |       |     |      |       |       |        |      |      |
|-------|---------------------------|-------|------|------|-----------|-------|-------|-----|------|-------|-------|--------|------|------|
|       | H                         | W     | W2   | E    | L         | B     | J     | MQ  | I    | ih    | L1    | Oil H  | T1   | N    |
| H15CN | 24.0                      | 47.0  | 16.0 | 4.3  | 59.8      | 38.0  | 30.0  | M5  | 7.5  | 4.35  | 39.4  | M4X0.7 | 4.0  | 7.0  |
| H20CN | 30.0                      | 63.0  | 21.5 | 4.6  | 75.3      | 53.0  | 40.0  | M6  | 9.5  | 5.35  | 50.5  | M6X1   | 6.0  | 16.5 |
| H20CE |                           |       |      |      | 90.0      |       |       |     |      |       | 65.2  |        |      |      |
| H25CN | 36.0                      | 70.0  | 23.5 | 5.5  | 83.0      | 57.0  | 45.0  | M8  | 12.0 | 6.75  | 58.0  | M6X1   | 6.0  | 16.5 |
| H25CE |                           |       |      |      | 103.6     |       |       |     |      |       | 78.6  |        |      |      |
| H30CN | 42.0                      | 90.0  | 31.0 | 6.0  | 95.0      | 72.0  | 52.0  | M10 | 15.0 | 8.50  | 70.0  | M6X1   | 6.5  | 16.5 |
| H30CE |                           |       |      |      | 118.0     |       |       |     |      |       | 93.0  |        |      |      |
| H35CN | 48.0                      | 100.0 | 33.0 | 7.5  | 111.0     | 82.0  | 62.0  | M10 | 15.0 | 8.50  | 80.0  | M6X1   | 9.0  | 16.5 |
| H35CE |                           |       |      |      | 136.8     |       |       |     |      |       | 105.8 |        |      |      |
| H45CN | 60.0                      | 120.0 | 37.5 | 9.5  | 133.8     | 100.0 | 80.0  | M12 | 18.0 | 10.50 | 97.0  | M10X1  | 8.5  | 17.5 |
| H45CE |                           |       |      |      | 165.2     |       |       |     |      |       | 128.8 |        |      |      |
| H55CN | 70.0                      | 140.0 | 43.5 | 13.0 | 164.1     | 116.0 | 95.0  | M14 | 21.0 | 12.50 | 117.7 | M10X1  | 12.0 | 17.5 |
| H55CE |                           |       |      |      | 202.2     |       |       |     |      |       | 155.8 |        |      |      |
| H65CN | 90.0                      | 170.0 | 53.5 | 15.0 | 195.0     | 142.0 | 110.0 | M16 | 24.0 | 14.50 | 144.2 | M10X1  | 15.0 | 17.5 |
| H65CE |                           |       |      |      | 254.4     |       |       |     |      |       | 203.6 |        |      |      |

| Mode  | Guideway (Rail)-mm |      |       |      |      |      | Load Rating-KN    |                   | Static torque-KN*M |      |      | Weight of Slider | Weight of Rail |
|-------|--------------------|------|-------|------|------|------|-------------------|-------------------|--------------------|------|------|------------------|----------------|
|       | W1                 | H1   | F     | d    | D    | h    | Dynamic load<br>C | Static load<br>C0 | Mx                 | My   | Mz   | Kgf              | Kgf/M          |
| H15CN | 15.0               | 15.0 | 60.0  | 4.8  | 7.5  | 6.0  | 11.15             | 24.80             | 0.16               | 0.14 | 0.14 | 0.19             | 1.44           |
| H20CN | 20.0               | 17.5 | 60.0  | 6.0  | 9.5  | 8.5  | 17.40             | 37.08             | 0.36               | 0.26 | 0.26 | 0.43             | 2.24           |
| H20CE |                    |      |       |      |      |      | 20.76             | 47.86             | 0.46               | 0.45 | 0.45 | 0.56             |                |
| H25CN | 23.0               | 22.0 | 60.0  | 7.0  | 11.0 | 9.0  | 25.95             | 55.07             | 0.61               | 0.48 | 0.48 | 0.61             | 3.26           |
| H25CE |                    |      |       |      |      |      | 32.10             | 74.48             | 0.83               | 0.84 | 0.84 | 0.82             |                |
| H30CN | 28.0               | 26.0 | 80.0  | 9.0  | 14.0 | 12.0 | 37.97             | 81.40             | 1.01               | 0.81 | 0.81 | 1.12             | 4.54           |
| H30CE |                    |      |       |      |      |      | 46.32             | 107.93            | 1.33               | 1.40 | 1.40 | 1.49             |                |
| H35CN | 34.0               | 29.0 | 80.0  | 9.0  | 14.0 | 12.0 | 48.53             | 100.81            | 1.64               | 1.14 | 1.14 | 1.61             | 6.43           |
| H35CE |                    |      |       |      |      |      | 59.01             | 133.58            | 2.18               | 1.98 | 1.98 | 2.11             |                |
| H45CN | 45.0               | 38.0 | 105.0 | 14.0 | 20.0 | 17.0 | 76.02             | 152.81            | 2.86               | 2.23 | 2.23 | 2.86             | 10.55          |
| H45CE |                    |      |       |      |      |      | 92.65             | 202.98            | 3.80               | 3.87 | 3.87 | 3.83             |                |
| H55CN | 53.0               | 44.0 | 120.0 | 16.0 | 23.0 | 20.0 | 152.92            | 211.01            | 3.67               | 2.65 | 2.65 | 4.17             | 15.24          |
| H55CE |                    |      |       |      |      |      | 184.63            | 276.02            | 4.81               | 4.53 | 4.53 | 5.81             |                |
| H65CN | 63.0               | 53.0 | 150.0 | 18.0 | 26.0 | 22.0 | 212.92            | 287.15            | 6.63               | 4.24 | 4.24 | 9.05             | 21.52          |
| H65CE |                    |      |       |      |      |      | 277.64            | 420.27            | 9.36               | 7.35 | 7.35 | 13.3             |                |

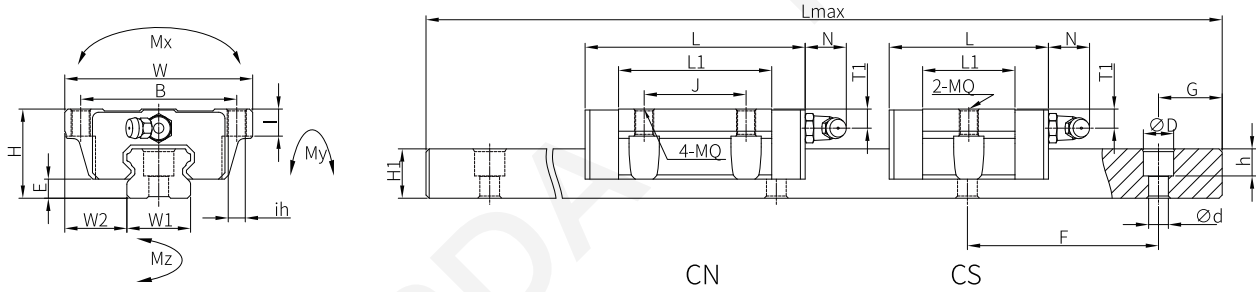
## SSAC\_V: LOW ASSEMBLY SQUARE SLIDER



| Mode  | Assembly specification-mm |      |      |      | Slider-mm |      |      |    |      |      |        |     |      |
|-------|---------------------------|------|------|------|-----------|------|------|----|------|------|--------|-----|------|
|       | H                         | W    | W2   | E    | L         | B    | J    | MQ | I    | L1   | Oil H  | T1  | N    |
| C15VS | 24.0                      | 34.0 | 9.5  | 4.5  | 41.1      | 26.0 | -    | M4 | 6.0  | 23.1 | M4X0.7 | 5.5 | 7.0  |
| C15VN |                           |      |      |      | 57.8      |      | 26.0 |    |      | 39.8 |        |     |      |
| C20VS | 28.0                      | 42.0 | 11.0 | 6.0  | 50.5      | 32.0 | -    | M5 | 7.0  | 29.0 | M6X1   | 6.0 | 16.5 |
| C20VN |                           |      |      |      | 69.6      |      | 32.0 |    |      | 48.1 |        |     |      |
| C25VS | 33.0                      | 48.0 | 12.5 | 7.0  | 56.7      | 35.0 | -    | M6 | 9.0  | 35.5 | M6X1   | 8.0 | 16.5 |
| C25VN |                           |      |      |      | 82.6      |      | 35.0 |    |      | 59.0 |        |     |      |
| C30VS | 42.0                      | 60.0 | 16.0 | 10.0 | 69.7      | 40.0 | -    | M8 | 12.0 | 41.5 | M6X1   | 8.0 | 16.5 |
| C30VN |                           |      |      |      | 98.3      |      | 40.0 |    |      | 70.1 |        |     |      |

| Mode  | Guideway (Rail)-mm |      |      |     |      |      | Load Rating-KN    |                   | Static torque-KN*M |      |      | Weight of Slider | Weight of Rail |
|-------|--------------------|------|------|-----|------|------|-------------------|-------------------|--------------------|------|------|------------------|----------------|
|       | W1                 | H1   | F    | d   | D    | h    | Dynamic load<br>C | Static load<br>C0 | Mx                 | My   | Mz   | Kgf              | Kgf/M          |
| C15VS | 15.0               | 12.5 | 60.0 | 4.8 | 7.5  | 6.0  | 5.24              | 9.21              | 0.08               | 0.04 | 0.04 | 0.10             | 1.23           |
| C15VN |                    |      |      |     |      |      | 7.67              | 15.87             | 0.12               | 0.10 | 0.10 | 0.17             |                |
| C20VS | 20.0               | 15.5 | 60.0 | 6.0 | 9.5  | 8.5  | 7.09              | 12.49             | 0.12               | 0.06 | 0.06 | 0.18             | 2.09           |
| C20VN |                    |      |      |     |      |      | 10.10             | 20.71             | 0.21               | 0.15 | 0.15 | 0.28             |                |
| C25VS | 23.0               | 18.0 | 60.0 | 7.0 | 11.0 | 9.0  | 11.07             | 18.85             | 0.24               | 0.13 | 0.13 | 0.29             | 2.68           |
| C25VN |                    |      |      |     |      |      | 15.94             | 31.75             | 0.37               | 0.31 | 0.31 | 0.46             |                |
| C30VS | 28.0               | 23.0 | 80.0 | 9.0 | 14.0 | 12.0 | 16.42             | 28.10             | 0.40               | 0.21 | 0.21 | 0.50             | 4.34           |
| C30VN |                    |      |      |     |      |      | 23.70             | 47.66             | 0.68               | 0.55 | 0.55 | 0.83             |                |

## SSAC\_C: LOW ASSEMBLY FLANGE SLIDER

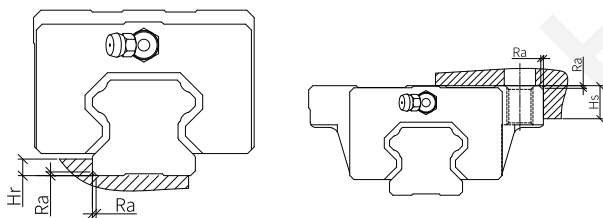


| Mode  | Assembly specification-mm |      |      |      | Slider-mm |      |      |     |      |      |      |        |     |      |
|-------|---------------------------|------|------|------|-----------|------|------|-----|------|------|------|--------|-----|------|
|       | H                         | W    | W2   | E    | L         | B    | J    | MQ  | I    | ih   | L1   | Oil H  | T1  | N    |
| C15CS | 24.0                      | 52.0 | 18.5 | 4.5  | 41.1      | 41.0 | -    | M5  | 6.5  | 4.35 | 23.1 | M4X0.7 | 5.5 | 7.0  |
| C15CN |                           |      |      |      | 57.8      |      | 26.0 |     |      |      | 39.8 |        |     |      |
| C20CS | 28.0                      | 59.0 | 19.5 | 6.0  | 50.5      | 49.0 | -    | M6  | 8.5  | 5.35 | 29.0 | M6X1   | 6.0 | 16.5 |
| C20CN |                           |      |      |      | 69.6      |      | 32.0 |     |      |      | 48.1 |        |     |      |
| C25CS | 33.0                      | 73.0 | 25.0 | 7.0  | 56.7      | 60.0 | -    | M8  | 10.0 | 6.75 | 35.5 | M6X1   | 8.0 | 16.5 |
| C25CN |                           |      |      |      | 82.6      |      | 35.0 |     |      |      | 59.0 |        |     |      |
| C30CS | 42.0                      | 90.0 | 31.0 | 10.0 | 69.7      | 72.0 | -    | M10 | 10.0 | 8.50 | 41.5 | M6X1   | 8.0 | 16.5 |
| C30CN |                           |      |      |      | 98.3      |      | 40.0 |     |      |      | 70.1 |        |     |      |

| Mode  | Guideway (Rail)-mm |      |      |     |      |      | Load Rating-KN |                | Static torque-KN*M |      |      | Weight of Slider | Weight of Rail |
|-------|--------------------|------|------|-----|------|------|----------------|----------------|--------------------|------|------|------------------|----------------|
|       | W1                 | H1   | F    | d   | D    | h    | Dynamic load c | Static load c0 | Mx                 | My   | Mz   | Kgf              | Kgf/M          |
| C15CS | 15.0               | 12.5 | 60.0 | 4.8 | 7.5  | 6.0  | 5.24           | 9.21           | 0.08               | 0.04 | 0.04 | 0.14             | 1.23           |
| C15CN |                    |      |      |     |      |      | 7.67           | 15.87          | 0.12               | 0.10 | 0.10 | 0.21             |                |
| C20CS | 20.0               | 15.5 | 60.0 | 6.0 | 9.5  | 8.5  | 7.09           | 12.49          | 0.12               | 0.06 | 0.06 | 0.22             | 2.09           |
| C20CN |                    |      |      |     |      |      | 10.10          | 20.71          | 0.21               | 0.15 | 0.15 | 0.34             |                |
| C25CS | 23.0               | 18.0 | 60.0 | 7.0 | 11.0 | 9.0  | 11.07          | 18.85          | 0.24               | 0.13 | 0.13 | 0.37             | 2.68           |
| C25CN |                    |      |      |     |      |      | 15.94          | 31.75          | 0.37               | 0.31 | 0.31 | 0.61             |                |
| C30CS | 28.0               | 23.0 | 80.0 | 9.0 | 14.0 | 12.0 | 16.42          | 28.10          | 0.40               | 0.21 | 0.21 | 0.65             | 4.34           |
| C30CN |                    |      |      |     |      |      | 23.70          | 47.66          | 0.68               | 0.55 | 0.55 | 1.07             |                |

## 08 PRECAUTIONS ON INSTALLING SSA LINEAR GUIDEWAY

Unit : mm



| Size   | Ra : Maximum Shoulder Chamfer (mm) | Hr : Maximum Shoulder Height of Rail(mm) | Hs : Maximum Shoulder Height of Slider (mm) |
|--------|------------------------------------|------------------------------------------|---------------------------------------------|
| SSAH15 | 0.5                                | 3.0                                      | 4.0                                         |
| SSAH20 | 0.5                                | 3.5                                      | 5.0                                         |
| SSAH25 | 1.0                                | 5.0                                      | 5.0                                         |
| SSAH30 | 1.0                                | 5.0                                      | 5.0                                         |
| SSAH35 | 1.0                                | 6.0                                      | 6.0                                         |
| SSAH45 | 1.0                                | 8.0                                      | 8.0                                         |
| SSAC15 | 0.5                                | 2.7                                      | 5.0                                         |
| SSAC20 | 0.5                                | 5.0                                      | 7.0                                         |
| SSAC25 | 1.0                                | 5.0                                      | 7.5                                         |

## 09 PRECAUTIONS ON USING SSA LINEAR GUIDEWAY

- 1 Please clean rust-preventive oil before applying lubrication.
- 2 When removing the slider from the rail, please use the dummy rail to remove slider from the rail. Try not to remove slider from the rail unless it is must be done.
- 3 After applying lubrication, move the slider for distance about three times the length of the sliders, and repeat the action for more than twice, and ensure the rail surfaces are coated with oil film.
- 4 When storing the linear guideways, please apply rust-preventive oil into the packaging, and lie the product flat, and avoid extreme temperatures plus humid environments.



Official Website



Catalogs

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