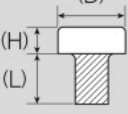





## Screw Dimensions

	(D)	(H)	(L)
	Head diameter (∅)	Head thickness (mm)	Thread length (mm)

- A single unit of this model can handle different screw diameters by replacing rails (8 screw sizes for the manual operation type, 6 screw sizes for the automated machines).
- High-speed feeding: 120 screws (M3 x 8) per minute on average (for automated machines)
- Can be used with the suction type (for automated machines).

- A single unit can handle different screw diameters by replacing rails (HSF-01 handles 5 screw sizes, and HSF-02 handles 3 screw sizes).
- Low-profile design with the width 55 mm is most suitable for cell production.
- It can handle screws with thin heads by adjusting the sensor.

## Configuration of Screw Feeder

Main unit model	Model	Replacement rail
 Main unit only	 Main unit + applicable rail (1 pc)	 Specify the rail's model No. for ordering a rail.

### HSIII Series

(for Manual Operation)



### HSIII-RB Series

(for Automated Machines)



### HSF Series

(for Manual Operation)



## SPECIFICATIONS

Category		HSIII Series (for Manual Operation)	HSIII-RB Series (for Automated Machines)	HSF Series (for Manual Operation)
Take out screws by:		⇒ ⇒ ⇒ Linear rail	↳ Slide escaper	⇒ ⇒ ⇒ Linear rail
Power supply (AC Adaptor)	Input	AC100V-240V (50/60Hz)		AC100-240V (50 / 60Hz)
	Output	DC15V 1A		DC15V 1A
Dimensions (mm)		123(W)×181(D)×145(H)	123(W)×181(D)×144(H)	55(W)×205(D)×142.5(H)
Weight		3kg (including the rail)		Approx. 2.4kg (including the rail)
Screw Capacity		80cc		40cc
Overload Protection Circuit		Reverse rotation when overloaded, Forward rotation when restored		Reverse rotation when overloaded, Forward rotation when restored
Accessories		Hexagonal wrench (width across flats 2 mm) 1 pc, screwdriver 1 pc (for timer adjustment), AC adaptor 1 pc, gauge plate (only for manual HSIII), ground wire 1 pc, CD-ROM		Hexagonal wrench (width across flats 2 mm) 1 pc, screwdriver 1 pc (for timer adjustment), AC adaptor 1 pc, ground wire 1 pc, CD-ROM

## Range of Feedable Screws

Model	Nominal Screw Diameter	(D) Head Diameter (∅)	(H) Head Thickness (mm)	(L) Thread Length (mm)	(Replacement Rail Model No.)	
HSIII-300 (Main Unit Model)	HSIII-10	M1.0	1.8 - 4.5	0.35 - 1.0	1.6 - 10	HS-SR10
	HSIII-12	M1.2	1.8 - 4.5	0.35 - 1.0	1.9 - 10	HS-SR12
	HSIII-14	M1.4	2.0 - 4.5	0.35 - 1.0	2.2 - 10	HS-SR14
	HSIII-17	M1.7	2.5 - 4.5	0.35 - 1.0	2.7 - 10	HS-SR17
	HSIII-20	M2.0	3.0 - 6	0.35 - 4.5	3.2 - 20	HS-SR20
	HSIII-23	M2.3	3.3 - 6	0.35 - 4.5	3.7 - 20	HS-SR23
	HSIII-26	M2.6	3.6 - 6	0.35 - 4.5	4.2 - 20	HS-RS26
	HSIII-30	M3.0	4.0 - 6	0.35 - 4.5	4.8 - 20	HS-SR30
	HSIII-300RB (Main Unit Model)	HSIII-14RB	M1.4	2.0 - 4.5	0.35 - 1.0	2.2 - 10
HSIII-17RB		M1.7	2.5 - 4.5	0.35 - 1.0	2.7 - 10	HS-SR17RB
HSIII-20RB		M2.0	3.0 - 6	0.35 - 4.5	3.2 - 20	HS-SR20RB
HSIII-23RB		M2.3	3.3 - 6	0.35 - 4.5	3.7 - 20	HS-SR23RB
HSIII-26RB		M2.6	3.6 - 6	0.35 - 4.5	4.2 - 20	HS-SR26RB
HSIII-30RB		M3.0	4.0 - 6	0.35 - 4.5	4.8 - 20	HS-SR30RB

Model	Nominal Screw Diameter	(D) Head Diameter (∅)	(H) Head Thickness (mm)	(L) Thread Length (mm)	(Replacement Rail Model No.)	
HSF-01 (Main Unit Model)	HSF-10	M1.0	1.8 - 2.0	0.35 - 1.0	1.6 - 10	HS-WR10
	HSF-12	M1.2	1.8 - 2.3	0.35 - 1.0	1.9 - 10	HS-WR12
	HSF-14	M1.4	2.0 - 2.5	0.35 - 1.0	2.2 - 10	HS-WR14
	HSF-17	M1.7	2.5 - 3.0	0.35 - 1.0	2.7 - 10	HS-WR17
	HSF-20	M2.0	3.0 - 4.0	0.35 - 1.3	3.2 - 16	HS-WR20
	HSF-02 (Main Unit Model)	HSF-23	M2.3	3.5 - 4.0	0.35 - 1.5	3.7 - 16
HSF-26		M2.6	4.0 - 4.5	0.35 - 1.7	4.2 - 16	HS-WR26
HSF-30		M3.0	5.0 - 5.5	0.35 - 2.0	4.8 - 16	HS-WR30

### About Dimensions of Screw Feeders

The dimensions in the chart don't include projections and depressions. See HIOS website for details.

[www.hios.com](http://www.hios.com)

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