



SENERGY-Ai

Product information

General information

- Tube material: Mild steel, zinc plating / Stainless steel (SUS304)
- Roller diameter: 48.6, 50.0, 57.0, 60.5 (mm)
- Min. roller length: Refer to the "Minimum available roller length table" below.
- Max. roller length: 1000 mm *Contact us for longer than 1000 mm.
- Connector: 4-pin M8 connector cabling
- Cable length: 1000 mm
- Advanced intelligence inside:
 - Internal diagnostics (Real time motor temp report)
 - Product information stored (Serial number, Date of Manufacturing, Gear ratio, Roller diameter, etc...)
- Operation: 0.5 sec ON / 0.5 sec OFF duty cycle (Minimum) or continuous within rated load

Compatible Control Technologies



Technical data

	Eco-mode	Boost-mode
Voltage	DC24V	
Nominal output	40W	50W
Rated current	2.5A	3.5A
Starting current	3.0A	5.0A
Ambient temperature	-10 ~ 40°C	
Ambient humidity	10 ~ 90% RH (No condensation)	

Available minimum roller length

Roller diameter	Speed Code	Interlocking option			
		Plain straight	Micro V-Pulley	Round Groove	Sprocket
48.6 / 50.0	15, 20, 25	324	317	356	329
	35, 45, 60, 75	296	289	329	301
	95, 125, 175, 215	273	266	305	278
57.0 / 60.5	15, 20, 25	309	N/A	329	301
	35, 45, 60, 75	282	N/A	302	274
	95, 125, 175, 215	258	N/A	278	250

Unit: mm

*We support even shorter length than those listed above using specially made components. Contact us for more details.

Weight table

Diameter	Speed code	Roller length							
		300	400	500	600	700	800	900	1000
φ48.6	15, 20, 25	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1
	35, 45, 60, 75	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9
	95, 125, 175, 215	1.7	1.8	2.0	2.1	2.3	2.5	2.6	2.8
φ50	15, 20, 25	2.0	2.2	2.4	2.5	2.7	2.9	3.0	3.2
	35, 45, 60, 75	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.0
	95, 125, 175, 215	1.7	1.9	2.0	2.2	2.4	2.6	2.7	2.9
φ57	15, 20, 25	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8
	35, 45, 60, 75	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6
	95, 125, 175, 215	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4
φ60.5	15, 20, 25	3.1	3.6	4.0	4.5	4.9	5.3	5.8	6.2
	35, 45, 60, 75	2.9	3.4	3.8	4.3	4.7	5.2	5.6	6.1
	95, 125, 175, 215	2.8	3.2	3.7	4.1	4.6	5.0	5.5	5.9

*Weight varies depending on interlocking options. Unit: kg

Wall thickness

Diameter	48.6	50.0	57.0	60.5
Thickness	1.4	1.5	1.5	3.25

Unit: mm

Static load capacity

Diameter	Length	300	400	500	600	700	800	900	1000
		48.6	70	60	50	40	35	30	25
50.0	80	70	60	55	50	45	40	35	
57.0	100	100	80	80	60	60	50	50	
60.5	160	160	130	130	100	100	80	80	

Unit: kg