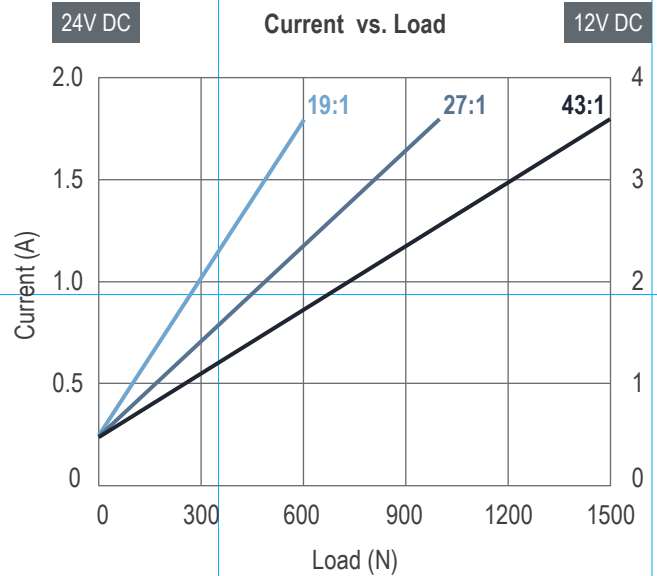
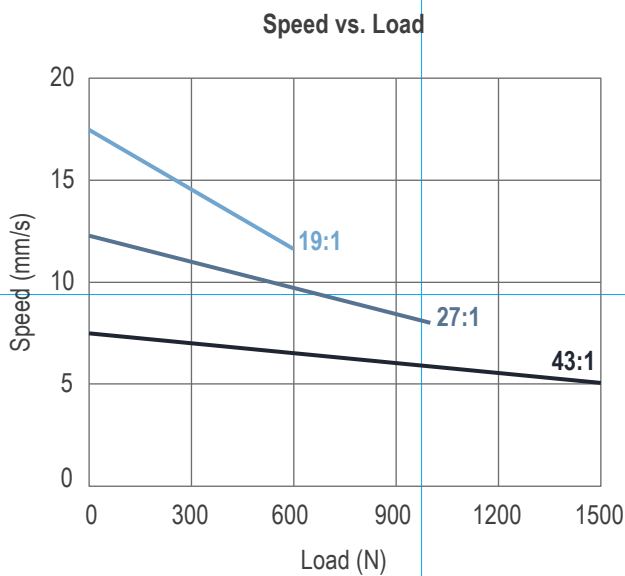


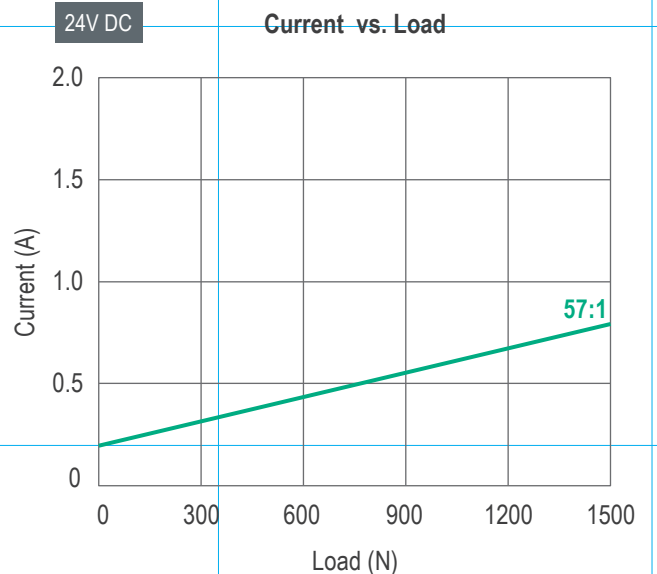
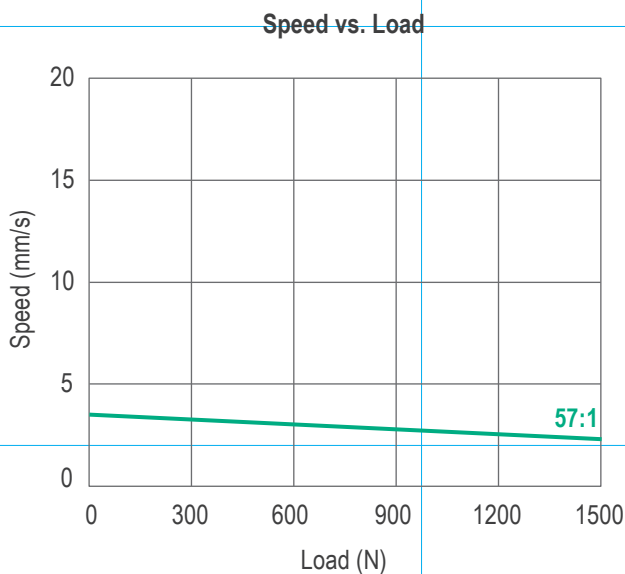
## Performance Data

Model No.	Gear ratio	Push / Pull load Max. (N)	**Typical speed (mm/s)		**Typical current (A)			
			No load	Full load	No load		Full load	
					12V	24V	12V	24V
LD12-XX19-M2-XXX.XXX-XXXXXXX	19:1	600	17.4	11.7	0.5	0.25	3.6	1.8
LD12-XX27-M2-XXX.XXX-XXXXXXX	27:1	1000	12.3	8.0	0.5	0.25	3.6	1.8
LD12-XX43-M2-XXX.XXX-XXXXXXX	43:1	1500	7.5	5.0	0.5	0.25	3.6	1.8
*LD12-2457-K2-XXX.XXX-XXXXXXX	57:1	1500	3.5	2.3	N/A	0.2	N/A	0.8

### Motor type M2



### Motor type K2

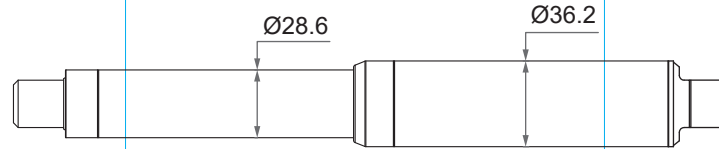
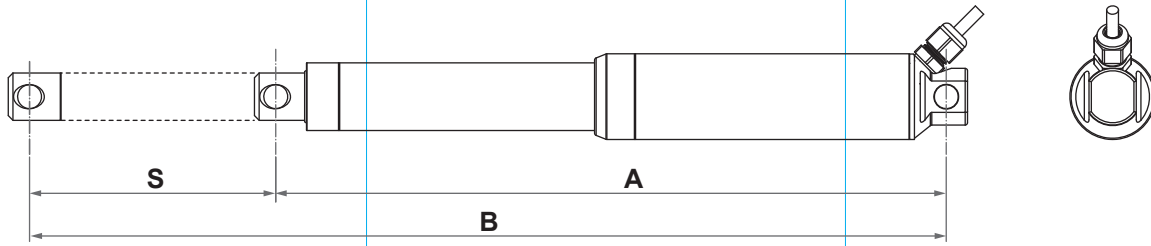


### Remarks:

- \* 2457-K2 is designed for applications requiring lower noise but less speed concern. 24VDC available only.
- \*\* The typical speed or typical current means the average value neither upper limit nor lower limit. The performance curves are made with typical values.

# Dimensions

Unit: mm

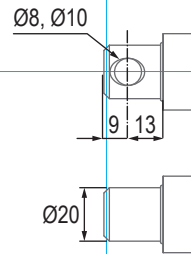
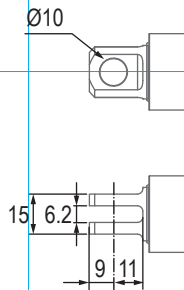
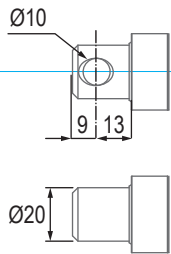


## • Front connector

1=Stainless steel solid

2=Stainless steel slot

3=Aluminum solid  
(Black coating steel case only)

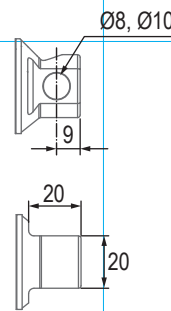
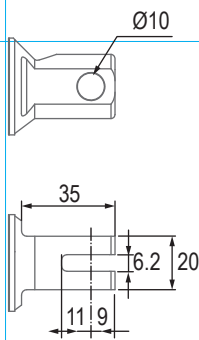
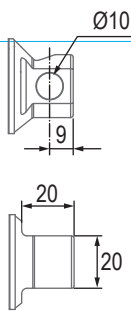


## • Rear connector

1=Stainless steel solid

2=Stainless steel slot

3=Aluminum solid  
(Black coating steel case only)



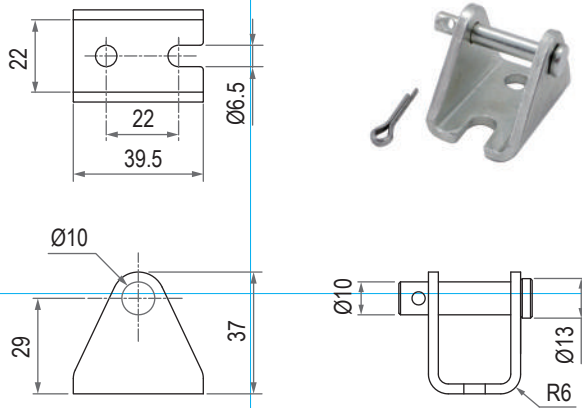
## • Installation dimension

Retracted length (A)

Front connector code	Rear connector code	Stroke (S)							
		50	100	150	200	250	300	350	400
1	1	233	283	333	383	433	483	533	583
1	2	248	298	348	398	448	498	548	598
2	1	237	287	337	387	437	487	537	587
2	2	252	302	352	402	452	502	552	602
3	3	233	283	333	383	433	483	533	583

(tolerance: ±3mm)

● **Mounting bracket (MB22)**



**Wiring**

**Wire definitions:**

● **Without positioning sensor feedback**

Power	
Red	Black
M+	M-

**Note:**

1. Connect Red (M+) to '+' & Black (M-) to '-' of DC power, the actuator will extend.

● **With Hall effect sensor x 2**

Power		Signal			
Red	Black	White	Yellow	Blue	Green
M+	M-	GND	VCC	DATA1	DATA2

**Note:**

1. Connect Red (M+) to '+' & Black (M-) to '-' of DC power, the actuator will extend.
2. Hall effect sensor resolution

Gear ratio	Resolution (pulses/mm)
19:1	9.56
27:1	13.50
43:1	21.45
57.1	28.43

3. Voltage input range (VCC): 3.5~20V
4. Output voltage of signal (Data) = Input voltage of VCC
5. Hall signal data

