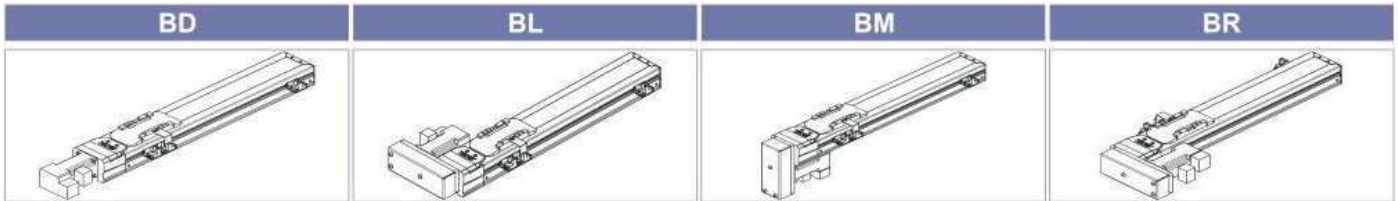


Integrated ball-screw linear module · HTH8

KTH8 · Integrated ball-screw linear module

Read positioning, load and speed under the same lead and installation conditions. For vertical motion, include holding and brake requirements in the axis proposal.



KTH8 · motor mounting illustrations

Reviewed specifications

Parameter	Value	Applies to
Permissible overhang moment MP	320 Nm	
Permissible overhang moment MR	630 Nm	
Permissible overhang moment MY	320 Nm	
Horizontal catalog load	50 kg	Lead 5 mm
Horizontal catalog load	30 kg	Lead 10 mm
Horizontal catalog load	15 kg	Lead 20 mm
Vertical catalog load	15 kg	Lead 5 mm
Vertical catalog load	6 kg	Lead 20 mm
Vertical catalog load	8 kg	Lead 10 mm
Rated thrust	340 N	Lead 10 mm
Rated thrust	176 N	Lead 20 mm
Rated thrust	685 N	Lead 5 mm
Catalog speed (see the stroke/speed table)	1000 mm/s	Lead 20 mm; Resonance may occur above 600 mm stroke; use the corresponding stroke/speed table for maximum operating speed.
Catalog speed (see the stroke/speed table)	500 mm/s	Lead 10 mm; Resonance may occur above 600 mm stroke; use the corresponding stroke/speed table for maximum operating speed.



Parameter	Value	Applies to
Catalog speed (see the stroke/speed table)	250 mm/s	Lead 5 mm; Resonance may occur above 600 mm stroke; use the corresponding stroke/speed table for maximum operating speed.
Motor power	200 W	
Repeatability (source wording)	±0.01 mm	
Screw outer diameter (source wording)	016	
Stroke interval	50 mm	
Movement distance	100-1050 mm	

A unit is printed only where the source states one.

emmy@htrobot.com www.htrobot.com

Engineering reference

Overhang limits, horizontal

Printed lead/load	0°(mm)	45°(mm)	90°(mm)
Lerd20 · 6kg	467 mm	390 mm	1180 mm
Lerd20 · 9kg	325 mm	262 mm	800 mm
Lerd20 · 12kg	238 mm	183 mm	595 mm
Lerd10 · 10kg	415 mm	293 mm	1700 mm
Lerd10 · 20kg	202 mm	200 mm	823 mm
Lerd10 · 30kg	131 mm	113 mm	483 mm
Lerd05 · 20kg	302 mm	283 mm	1532 mm
Lerd05 · 35kg	146 mm	136 mm	882 mm
Lerd05 · 50kg	90 mm	78 mm	430 mm

Original installation-conditioned distances(mm), separate from speed and saleable configurations. Blanks/dashes and source row positions are retained. No neighboring-axis or model substitution.

Overhang limits, wall

Printed lead/load	0°(mm)	45°(mm)	90°(mm)
Lerd20 · 6kg	760 mm	423 mm	386 mm
Lerd20 · 9kg	542 mm	290 mm	234 mm
Lerd20 · 12kg	277 mm	180 mm	159 mm
Lerd10 · 10kg	1360 mm	378 mm	286 mm
Lerd10 · 20kg	794 mm	173 mm	136 mm
Lerd10 · 30kg	493 mm	106 mm	86 mm
Lerd05 · 20kg	1450 mm	214 mm	153 mm
Lerd05 · 35kg	845 mm	113 mm	81 mm
Lerd05 · 50kg	463 mm	74 mm	53 mm

Original installation-conditioned distances(mm), separate from speed and saleable configurations. Blanks/dashes and source row positions are retained. No neighboring-axis or model substitution.

Source nonnumeric glyphs ISO/S3/S50 are retained as visible literals;
 intended numeric values require confirmation.

Overhang limits, vertical

Printed lead/load	0°(mm)	45°(mm)	90°(mm)
Lerd20 · 2.5kg	863 mm	460 mm	863 mm
Lerd20 · -	- mm		
Lerd20 · -	- mm		
Lerd10 · 5kg	583 mm	270 mm	583 mm
Lerd10 · 8kg	340 mm	170 mm	340 mm
Lerd10 ·			
Lerd05 · 10kg	361 mm	245 mm	361 mm
Lerd05 · 15kg	234 mm	156 mm	234 mm
Lerd05 · -	- mm		



Original installation-conditioned distances(mm), separate from speed and saleable configurations. Blanks/dashes and source row positions are retained. No neighboring-axis or model substitution.

Ordering, installation and application references

Scope	Current source reference
ordering	KTH8-L10-S100-BD-P200W-B. Example fields:model/lead/stroke/motor direction/brand-power/brake. BD:direct; BL:left; BR:right; BM:lower. M:Mitsubishi/Y:Yaskawa/P:Panasonic/T:Delta. Example is a source ordering reference, not a product identity.
installation	Original BD page100/BR101 and BL/BM102; travel100-1050mm. Original drawings share a spread with model specification; locate by printed page/model, not old flat extraction labels.
application	Clean-room-oriented compact embedded screw slide with integrated slider/slide seat, U-shaped base and cover. Source applications:FPD, semiconductor/medical automation, precision measuring instruments and automation equipment. Actual cleanliness and system suitability need application confirmation.