






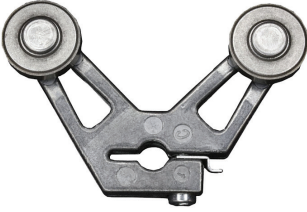






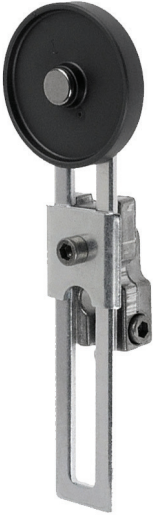



MICRO SWITCH Heavy-Duty Limit Switch, HDLS Series

Table 7. Common levers for use with MICRO SWITCH HDLS Rotary Switches






Levers for use with side or top rotary actuated switches are available in a wide choice of sizes and materials. The most common listings are shown below. Rollers may be on either side of the lever to best match the external actuating mechanism.








							
LSZ51A&C fixed rotary lever, nylon roller, front/ backl	LSZ51B&D fixed rotary lever, steel roller, front/ back	LSZ59A,LSZ59B, LSZ59C,LSZ59D short fixed lever, front/back		LSZ69CA spoke lever - 152 mm [6 in]			
							
LSZ55A,LSZ55B, LSZ55C,LSZ55D offset lever, front/back	LSZ60 one-way roller lever	LSZ53A, LSZ53B, LSZ53D yoke lever, nylon and steel rollers, front/back placement	LSZ54R spring wire 305 mm [12 in]				
							
LSZ52A, LSZ52B, LSZ52C, LSZ52D adj. lever, nylon/ steel, front/back	LSZ52J adjustable lever, nylon roller Ø 25,4 mm [Ø 1 in]	LSZ52K adjustable lever, nylon roller Ø 38,1 mm [Ø 1.5 in]	LSZ54M aluminum rod Ø 140 mm [Ø 5.5 in]	LSZ61 loop 152 mm [6 in]	LSZ67AA* Plastic conveyor roller	LSZ68 plastic rod w/ spring 305 mm [12 in]	LSZ54N stainless steel rod 330 mm [13 in]

* May require orientation of switch and lever to enable gravity to help restore free position of switch.

MICRO SWITCH Heavy-Duty Limit Switch, HDLS Series

Table 8. HDLS Series Actuator Code Table (see previous page)

Catalog Listing	Material	Rod/Roller Dia. mm [in]	Rod/Roller Width mm [in]	Roller Mounting	
Fixed 38,1 mm [1.5 in] radius					
	-	Rollerless	n/a	n/a	
LSZ51A	Nylon	19 [0.75]	6,35 [0.25]	Front	
LSZ51B	Steel	19 [0.75]	6,35 [0.25]	Front	
LSZ51C	Nylon	19 [0.75]	6,35 [0.25]	Back	
LSZ51D	Steel	19 [0.75]	6,35 [0.25]	Back	
LSZ51F	Nylon	25,4 [1.0]	12,7 [0.50]	Front	
LSZ51G	Nylon	38,1 [1.5]	6,35 [0.25]	Front	
LSZ51J	Nylon	25,4 [1.0]	12,7 [0.50]	Back	
LSZ51L	Ball bearing	19 [0.75]	6,35 [0.25]	Back	
LSZ51M	Nylon	19 [0.75]	31,7 [1.25]	Back	
LSZ51N	Steel	19 [0.75]	31,7 [1.25]	Front	
LSZ51P	Nylon	19 [0.75]	12,7 [0.50]	Front	
Adjustable 38,1 mm to 89,0 mm [1.5 in to 3.5 in] radius					
	-	Rollerless	n/a	n/a	
LSZ52A	Nylon	19 [0.75]	6,35 [0.25]	Back	
LSZ52B	Steel	19 [0.75]	6,35 [0.25]	Back	
LSZ52C	Nylon	19 [0.75]	6,35 [0.25]	Front	
LSZ52D	Steel	19 [0.75]	6,35 [0.25]	Front	
LSZ52E	Nylon	19 [0.75]	33,0 [1.30]	Front	
LSZ52J	Nylon	25,4 [1.0]	12,7 [0.50]	Front	
LSZ52K	Nylon	38,1 [1.5]	6,35 [0.25]	Front	
LSZ52L	Ball bearing	19 [0.75]	6,35 [0.25]	Front	
LSZ52M	Nylon	50,8 [2.0]	6,35 [0.25]	Front	
LSZ52N	Nylon	19 [0.75]	12,7 [0.50]	Front	
Yoke – 38,1 mm [1.5 in] radius					
	LSZ53A	Nylon	19 [0.75]	6,35 [0.25]	Front/Back
	LSZ53B	Steel	19 [0.75]	6,35 [0.25]	Front/Back
	LSZ53D	Steel	19 [0.75]	6,35 [0.25]	Front/Front
	LSZ53E	Nylon	19 [0.75]	6,35 [0.25]	Back/Front
	LSZ53M	Nylon	19 [0.75]	31,7 [1.25]	Back/Front
	LSZ53P	Steel	19 [0.75]	6,35 [0.25]	Back/Back
	LSZ53S	Nylon	19 [0.75]	6,35 [0.25]	Back/Back
Rod					
	-	Hub only	n/a	n/a	
	LSZ54M	Alum, 140 mm [5.5 in]	Ø 3,2 [Ø 0.125]	n/a	n/a
	LSZ54N	Stainless, 330 mm [13 in]	Ø 3,2 [Ø 0.125]	n/a	n/a
	LSZ54R	SST spring wire, 305 mm [12 in]	Ø 1,9 [Ø 0.075]	n/a	n/a
	LSZ54V	Flex cable (tin plated steel), 122 mm [4.8 in]	Ø 4,8 [Ø 0.19]	n/a	n/a
	LSZ54P	Plastic rod, 533,4 mm [21 in]	Ø 6,85 [Ø 0.27]	n/a	n/a
	LSZ54W	Plastic rod, 183 mm [7.2 in]	Ø 6,85 [Ø 0.27]	n/a	n/a
	LSZ54T	330 [13] stainless steel	Ø 4,8 [Ø 0.19]	n/a	n/a
Spoke					
	LSZ69CA	152 mm [6.0 in] Stainless	3,2 [0.125]	n/a	n/a

Catalog Listing	Material	Rod/Roller Dia. mm [in]	Rod/Roller Width mm [in]	Roller Mounting	
Fixed 38,1 mm [1.5 in] radius					
	-	Rollerless	n/a	n/a	
LSZ55A	Nylon	19 [0.75]	6,35 [0.25]	Back	
LSZ55B	Steel	19 [0.75]	6,35 [0.25]	Back	
LSZ55C	Nylon	19 [0.75]	6,35 [0.25]	Front	
LSZ55D	Steel	19 [0.75]	6,35 [0.25]	Front	
LSZ55E	Nylon	19 [0.75]	12,7 [0.50]	Front	
LSZ55K	Nylon	38,1 [1.5]	6,35 [0.25]	Front	
Short fixed – 33 mm [1.3 in] radius					
	LSZ59A	Nylon	19 [0.75]	6,35 [0.25]	Front
	LSZ59B	Steel	19 [0.75]	6,35 [0.25]	Front
	LSZ59C	Nylon	19 [0.75]	6,35 [0.25]	Back
	LSZ59D	Steel	19 [0.75]	6,35 [0.25]	Back
38,1 mm [1.5 in] radius one-way roller lever					
	LSZ60A	Nylon	19 [0.75]	6,35 [0.25]	Front
	LSZ60B	Steel	19 [0.75]	6,35 [0.25]	Front
Flexible loop					
	LSZ61	Ø 4,8 [Ø 0.19] Plastic	152 mm [6 in] flexible loop		
	LSZ618	Ø 4,8 [Ø 0.19] Plastic	241 mm [9.5 in] flexible loop		
	LSZ54	Hub only	n/a	n/a	n/a
Spring rod					
	LSZ68	Delrin rod, 305 [12]	Ø 6,35 [Ø 0.25]	n/a	n/a
	LSZ617	Delrin rod, 406 [16]	Ø 6,35 [Ø 0.25]	n/a	n/a
	LSZ686	Delrin rod, 152 [6]	Ø 6,35 [Ø 0.25]	n/a	n/a
Rubber roller levers					
	LSZ51Y	38,1 mm [1.5 in] radius (std.)	50 [2.0]	12,7 [0.50]	front
	LSZ55Y	38,1 mm [1.5 in] radius (offset)	50 [2.0]	12,7 [0.50]	front
	LSZ52Y	38,1 mm to 89,0 mm [1.5 in to 3.5 in] radius (adjustable)	50 [2.0]	12,7 [0.50]	front
Plastic roller levers					
	LSZ67AA* (conveyor)	Plastic	38,1 [1.5]	96,5 [3.8]	n/a

* may require orientation of switch and lever to enable gravity to help restore free position of switch.