

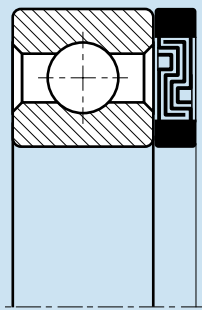
LSTO Steel-Disk Seals for Extreme Conditions

NILOS-Ring LSTO Labyrinth seal will act as superior seals in applications where grease-lubricated bearings will likely be exposed to extreme levels of contamination. These specialized seals are provided ready-to-install.

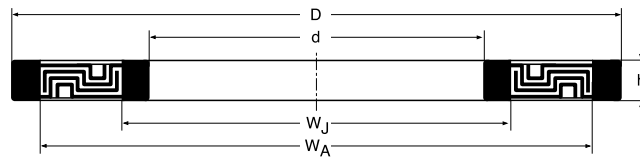
Unlike other types, NILOS-Rings LSTO are non-contact, grease-filled labyrinth sealing elements. They consist of laminated steel-seal disks and steel cores, whose seal resists axial pressure and will not slip when clamped in the axial direction of the

inner and outer periphery of a roller-bearing ring. (The table below cites shoulder dimensions W_A and W_J).

The LSTO Ring is illustrated to the right in a mounted position with a selection example to guide in specification.



A NILOS-Ring LSTO steel-disk seal ready for installation for a roller bearing with 30 mm internal diameter and 55 mm external diameter would be designated 30 x 55 LSTO.



d (tolerance M8)	D (tolerance k7)	NILOS-Ring part number	h+0.2	W_A	W_J	Fitting bearing sizes
10	30	10 x 30 LSTO	4.0	25	15	
12	28	12 x 28 LSTO	4.0	25	15	
15	35	15 x 35 LSTO	4.0	30	20	
17	35	17 x 35 LSTO	4.0	31	21	
17	40	17 x 40 LSTO	4.0	34	23	
20	42	20 x 42 LSTO	4.0	38	24	
20	47	20 x 47 LSTO	4.0	41	26	
20	52	20 x 52 LSTO	4.0	45	27	
25	47	25 x 47 LSTO	4.0	43	29	
25	52	25 x 52 LSTO	4.0	46	31	
25	62	25 x 62 LSTO	4.0	54	33	
30	55	30 x 55 LSTO	4.0	50	35	
30	62	30 x 62 LSTO	4.0	56	36	
30	72	30 x 72 LSTO	4.0	65	37	
35	62	35 x 62 LSTO	4.0	57	40	
35	72	35 x 72 LSTO	4.0	65	42	
35	80	35 x 80 LSTO	4.0	71	44	
40	68	40 x 68 LSTO	4.0	63	45	
40	80	40 x 80 LSTO	4.0	73	47	
40	90	40 x 90 LSTO	4.0	81	49	
45	75	45 x 75 LSTO	4.0	70	50	
45	85	45 x 85 LSTO	4.0	78	52	
45	100	45 x 100 LSTO	4.0	91	54	
50	90	50 x 90 LSTO	4.0	83	57	
50	110	50 x 110 LSTO	4.0	99	61	
55	100	55 x 100 LSTO	4.0	91	64	
60	110	60 x 110 LSTO	4.0	101	69	
70	125	70 x 125 LSTO	4.0	116	79	
75	130	75 x 130 LSTO	4.0	121	84	
80	140	80 x 140 LSTO	4.0	129	91	

NILOS-Ring LSTO fit all bearing sizes having corresponding inner and outer diameter dimensions.