

Shrink Disc PSV 5001

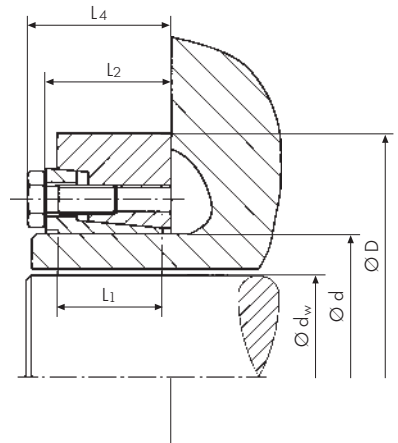


Advantages

- transmission of high torque values
- external locking solution
- excellent cyclic running capabilities
- installation is complete when 2 rings are flush

Please consider the following tolerances:

d _w (mm)		ISO	max. clearance S (mm)
from	to		
18	30	H 6 / j 6	0,017
30	50	H 6 / h 6	0,032
50	80	H 6 / g 6	0,048
80	120	H 7 / g 6	0,069



Technical Data and Dimensions

Shaft sizes up to 100 mm
Torque up to 21.300 Nm

Shrink Disc Dimensions						Transmissible Torque	Axial Force	Locking screws	Tightening torque of screws
Ø d (mm)	d _w (mm)	Ø D (mm)	L ₁ (mm)	L ₂ (mm)	L ₄ (mm)	T (Nm)	F _{ax} (kN)	G (DIN 931)	T _A (Nm)
24	19	50	14	18	22	160	17	M6	12
	20					210	20		
	21					280	25		
30	24	60	16	20	24	270	23	M6	12
	25					320	25		
	26					360	28		
	28					440	32		
36	30	72	18	22	28	610	41	M8	30
	31					820	50		
	34					690	41		
44	35	80	20	24	30	770	44	M8	30
	36					920	50		
	38					1500	80		
50	40	90	22	26	32	1700	85	M8	35
	42					1900	95		
	42					1600	80		
	45					2000	90		
55	48	100	23	29	35	2400	100	M8	35
	48					2200	90		
	50					2400	100		
62	50	110	23	29	35	2700	105	M8	35
	52					2400	95		
	50					2400	95		
68	55	115	23	29	35	3000	110	M8	35
	60					3800	130		
	55					3700	240		
75	60	138	25	31	38	4700	160	M10	70
	65					5800	180		
	60					4200	140		
80	65	145	25	31	38	5200	160	M10	70
	70					6300	180		
	65					5900	180		
90	70	155	30	38	45	7100	200	M10	70
	75					8500	230		
	70					7400	210		
100	75	170	34	45	50	8900	240	M10	70
	80					10400	260		
	80					12600	310		
110	85	185	39	49	57	14600	340	M12	121
	90					16900	370		
	90					16400	360		
125	95	215	42	53	61	18800	400	M12	121
	100					21300	430		

Additional diameters available upon request. Technical Specifications subject to change without notice.

Order data:

24 x 50 PSV 5001
d x D Type

Applications

- robots
- gearboxes
- automation and handling equipment
- similar applications involving shafts and hollow shafts
- wind energy systems
- conveying equipment

Technical Details

- tolerance Ø d h8
- surface roughness R_t max 16µm for shaft and hub