

# Shrink Disc PSV 5001

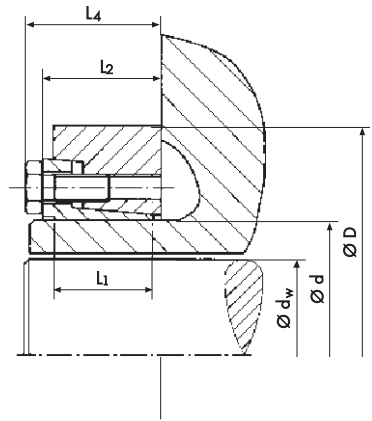


## Advantages

- 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 <sub>w</sub> (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 <sub>w</sub> mm	Ø D mm	L <sub>1</sub> mm	L <sub>2</sub> mm	L <sub>4</sub> mm	T Nm	F <sub>ax</sub> kN	G DIN 931	T <sub>A</sub> 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		
36	28	72	18	22	28	440	32	M8	30
	30					610	41		
	31					820	50		
44	34	80	20	24	30	690	41	M8	30
	35					770	44		
	36					920	50		
50	38	90	22	26	32	1500	80	M8	35
	40					1700	85		
	42					1900	95		
55	42	100	23	29	35	1600	80	M8	35
	45					2000	90		
	48					2400	100		
62	48	110	23	29	35	2200	90	M8	35
	50					2400	100		
	52					2700	105		
68	50	115	23	29	35	2400	95	M8	35
	55					3000	110		
	60					3800	130		
75	55	138	25	31	38	3700	240	M10	70
	60					4700	160		
	65					5800	180		
80	60	145	25	31	38	4200	140	M10	70
	65					5200	160		
	70					6300	180		
90	65	155	30	38	45	5900	180	M10	70
	70					7100	200		
	75					8500	230		
100	70	170	34	45	50	7400	210	M10	70
	75					8900	240		
	80					10400	260		
110	80	185	39	49	57	12600	310	M12	121
	85					14600	340		
	90					16900	370		
125	90	215	42	53	61	16400	360	M12	121
	95					18800	400		
	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
- wind energy systems
- gearboxes
- conveying equipment
- automation and handling equipment
- similar applications involving shafts and hollow shafts

### Technical Details

- tolerance Ø d h8
- surface roughness R<sub>f</sub> max 16µm for shaft and hub