Dimensioning outside clamping shaft / hub connection

(Shrinkdisc)

Company _____ Date _____

Address _____

Contact _____ Department _____

Phone _____ FAX _____

E-Mail _____

Reference _____

TAS Schäfer GmbH
Osterfeldstraße 75
58300 Wetter (Ruhr)
Germany
☎ +49 (0) 2335 9781-0
🖷 +49 (0) 2335 72956
E-Mail: info@tas-schaefer.de

In order to allow us an accurate assessment / design, please fill in all the known data.
If you are able to provide us a drawing, a sketch or similar, please send us such known information too.

Load configuration:

Motor power	p	[kW]	
Speed at LSS	n	[min^{-1}]	
Safety factor	SF		
Nominal torque	M_t	[Nm]	
Max. torque	$M_{t\,max}$	[Nm]	
Max. add. radial load	F_{rad}	[N]	
Max. add. bending moment	M_b	[Nm]	
Max. add. axial load	F_{ax}	[N]	
Operation time		[%]	
Number of starts		[n/t]	

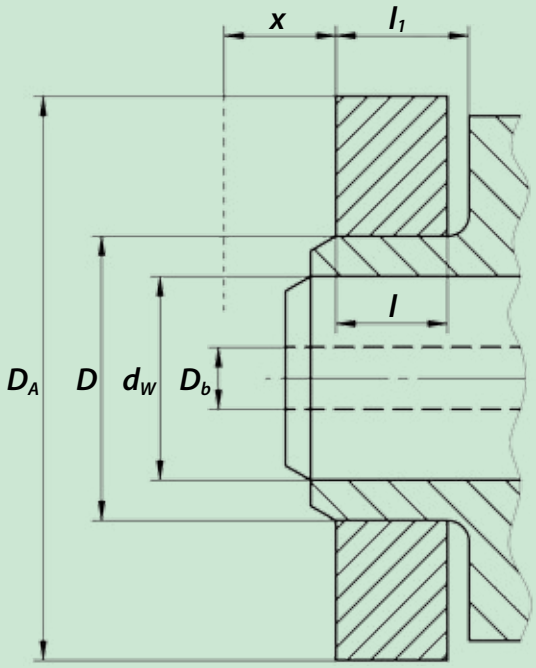
Device type:

- ◯ Type 30..
- ◯ Type 31..
- ◯ SHS (hydraulic)
- ◯ Customized

Environment:

- ☐ corrosive
- ☐ Dust

Temperature range [°C] _____



Geometric details:

Nominal diameter	D	[mm]		Tolerance		Rz
Shaft diameter	d_w	[mm]		Tolerance		Rz
Bore in the shaft	D_b	[mm]				
Max. clamping length	l	[mm]		Max. install. length	l_1	[mm]
Max. diameter	D_A	[mm]		available space	x	[mm]

Materials:	**Designation**	***R_e/$R_{p0,2}$* [MPa]**	***E-Modulus* [MPa]**
Shaft			
Hub			

Comments: (coatings, environmental conditions, number of tensions, special requests, etc. ...)

Changes reserved