

Requirement specification for shrink disc (SDG and SDGH)

Company/contact person:			
Contact details:	Phone:	Email:	
Area of application/specific application:			
Temperature range:			
required material for the shrink disc:			
Coating:			
Type of construction	<input type="checkbox"/> SDG	<input type="checkbox"/> SDGH	
Design:	<input type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C
Sponge rubber protection	<input type="checkbox"/> yes	<input type="checkbox"/> no	

Technical requirement specification

Nominal torque	$M_{t_{\text{Nominal}}} =$		kNm
Safety	$S =$		
max. torque	$M_{t_{\text{max}}} =$		kNm
max. axial force	$P_{\text{ax}} =$		kN
Continuous bending moment	$M_{b_{\text{duration}}} =$		kNm
max. bending moment	$M_{b_{\text{max}}} =$		kNm
Shear force	$F_q =$		kN
Speed	$n =$		min ⁻¹
Outer hub diameter	$\varnothing d =$		mm
Hub material incl. yield strength	$R_e \geq$		N/mm ²
Outer shaft diameter	$\varnothing d_w =$		mm
Inner shaft diameter	$\varnothing d_i =$		mm
Shaft material incl. yield strength	$R_e \geq$		N/mm ²
Fit between shrink disc and hub			
Fit between hub and shaft			
max. clamping length of the shrink disc	$L <$		mm
max. width of the shrink disc	$H_1 \leq$		mm
max. outer diameter of the shrink disc	$\varnothing D \leq$		mm
Disc thickness	$X =$		mm
Is there a feather key groove in the shaft or the hub?			

Please briefly describe your application: