

Requirement specification for shrink discs (HSD and HYD)

Company/contact person:		
Contact details:	Phone:	Email:
Area of application/specific application:		
Temperature range:		
required material for the shrink disc:		
Coating:		
Version:	mechanical	hydraulic

Technical requirement specification

Nominal torque	$Mt_{\text{nominal}} =$		kNm
Safety	$S =$		
max. torque	$Mt_{\text{max}} =$		kNm
max. axial force	$P_{\text{ax}} =$		kN
Continuous bending moment	$Mb_{\text{duration}} =$		kNm
max. bending moment	$Mb_{\text{bmax}} =$		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	$L \leq$		mm
max. width of the shrink disc	$H_1 \leq$		mm
max. outer diameter of the shrink disc	$\varnothing D \leq$		mm
Is there a feather key groove in the shaft or the hub?			

Please briefly describe your application: