

Requirement specification for flange couplings (FKD and FKHYD)

Company/contact person:		
Contact details:	Phone:	Email:
Area of application/specific application:		
Temperature range:		
Required material for the flange coupling:		
Coating:		
Design:	A	B
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	$Mb_{\text{max}} =$		kNm
Shear force	$F_q =$		kN
Speed	$n =$		min ⁻¹
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 Flange and shaft			
max. clamping length of the flange	$l \leq$		mm
max. width of the flange	$L \leq$		mm
max. outer diameter of the flange coupling	$\varnothing N \leq$		mm
Recess diameter	$\varnothing c =$		mm
Pitch circle diameter of the flange bolts	$\varnothing b =$		mm
Screw size			
Number of screws	$z =$		
Is there a feather key groove in the shaft?			

Please briefly describe your application: