

## Requirement specification for flange couplings (FKH)

Company/contact person:		
Contact details:	Phone:	Email:
Area of application/specific application:		
Temperature range:		
Required material for the flange coupling:		
Coating:		
Design:	A	B

## 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 <sup>-1</sup>
1. Outer shaft diameter	$\varnothing d_{w1} =$		mm
1. Inner shaft diameter	$\varnothing d_{i1} =$		mm
1. Shaft material incl. yield strength	$R_e \geq$		N/mm <sup>2</sup>
Fit between flange and 1st shaft			
2. Outer shaft diameter	$\varnothing d_{w2} =$		mm
2. Inner shaft diameter	$\varnothing d_{i2} =$		mm
2. Shaft material incl. yield strength	$R_e \geq$		N/mm <sup>2</sup>
Fit between flange and 2nd shaft			
max. clamping length of the flange (1st side)	$l_1 \leq$		mm
max. clamping length of the flange (2nd side)	$l_2 \leq$		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 one of the shafts?			

Please briefly describe your application: