

Details required to prepare a quotation for ExpaTen and ExpaTen 2

SCHAAF®

Inquiry No.:

ExpaTen is to be used for:

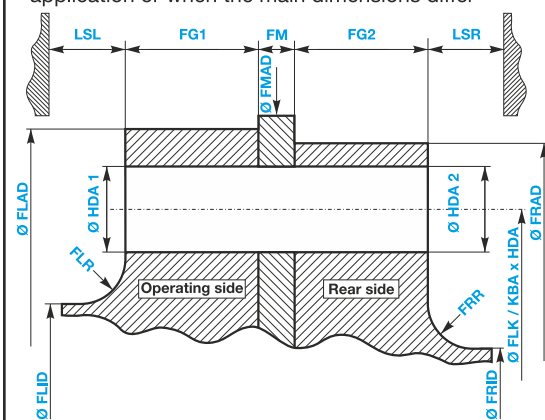
The flange bores are drilled together: ☐ yes ☐ no

If not: Please calculate with a misalignment of _____ mm (max. 2 mm)

Special problems / requirements (operating conditions):

Technical Data (Please state units of measurement)

- If there are other installation situations or deviations in the geometry, please enclose a sketch and/or a copy of the sectional drawing
- Please complete a separate data sheet for each application or when the main dimensions differ



The prerequisite for the proper use of **ExpaTen** is that all bores have been drilled in the flange joint within the quality H7. If the elements are outside the tolerance range, it is recommended that they are remachined to a size which will ensure H7 tolerance over the full length of the bore. **ExpaTen** conical sleeves with overmetal (larger outer diameter) are available for this purpose. The outer diameter can be machined to the correct diameter after the actual bore size has been measured.

Overmetal required: ☐ No ☐ Yes

ExpaTen 2 required: ☐ No ☐ Yes

When using ExpaTen2 you can avoid collaborative re boring. However, both bore holes need to be in H7 quality.

ExpaTen	Bore diameter [mm]	HDA 1	HDA 2
	Pitch circle diameter [mm]		
	No. of ExpaTen required	KBA	
	<input type="checkbox"/> Calculation of application data required		
Application data	Rotating application		
	Power on flange [kW]		Revol. [min ⁻¹]
	Torque [Nm]		Req. safety fact.
	Axial force [kN]		Req. safety fact.
	Forward thrust [kN]		
	Astern thrust [kN]		
Flange 1	Rigid application		
	Shear force [kN]		Req. safety fact.
	Axial force [kN]		Req. safety fact.
	Flange length [mm]	FG1	
	Flange outer Ø [mm]	FLAD	
	Shaft Ø [mm]	FLID	
Flange 2	Flange fillet radius [mm]	FLR	
	Length to interf. cont.[mm]	LSL	
	Flange material		
	Flange strength [N/mm ²]		
	Flange length [mm]	FM	
	Flange outer Ø [mm]	FMAD	
Flange 3	Flange material		
	Flange strength [N/mm ²]		
	Flange length [mm]	FG2	
	Flange outer Ø [mm]	FRAD	
	Shaft Ø [mm]	FRID	
	Flange fillet radius [mm]	FRR	
Flange 3	Length to interf. cont.[mm]	LSR	
	Flange material		
	Flange strength [N/mm ²]		

Classification society:

Special requirements:

Installation position: ☐ horizontal ☐ vertical ☐ overhead ☐ other _____

Pressure generator available: ☐ no ☐ yes/max. pressure: _____

Version: _____

Deadlines: Quotation requested by: _____ Desired delivery date: _____

Company: _____ Telephone: _____

Name: _____ Fax: _____

Dept.: _____ E-Mail: _____

Street: _____

Postal code, place: _____ Country: _____

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SCHAAF develops and produces world leading technology in the field of joining technique in all sectors of the industry.

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