

# DIN 32711-2:2009-03 (E)

## Shaft-to-hub connection - P3G polygon profile - Part 2: Calculation and dimensioning

<b>Contents</b>		<b>Page</b>
Foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Calculation principles .....	4
3.1	Symbols .....	4
3.2	Calculating mechanical properties and dimensions .....	4
3.2.1	General .....	4
3.2.2	Shaft stresses .....	5
3.2.3	Surface pressure in the connection .....	5
3.2.4	Tensile stress in the hub .....	6
3.3	Recommended parameters for calculating dimensions .....	6
Annex A (informative) Examples of calculations .....		7
Figures Figure 1 - Minimum hub wall thickness of s P3G polygon hub .....		6
Figure A.1 - Diagram showing loads .....		7