

Customer focused development and production of air suspended

- spindles and slides
- plan-tables + instruments
- machines
- micro-precision machining technology



Precision shaft PFW

Performance characteristics

- High precision roundness
- Minimum straightness deviation
- Can also supplied as stainless material version
- Surface-hardened



Precisie shafts as standard for ess air bushings

The precision shafts of the PFW series are finished in the highest quality on ultra-precision machines in ess Mikromechanik GmbH factory.

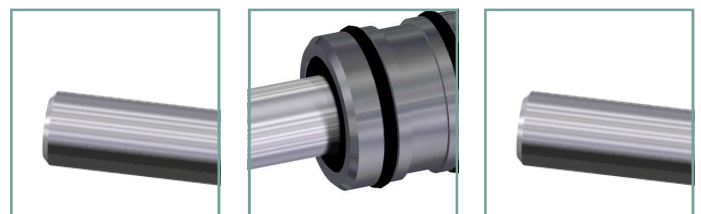
Wherever precise displacement paths are required, these shafts of th tolerance class h6 are suited as a guiding basis for the ess air bushings, type LLB

The tradition of ess micromechanics GmbH obliges to exceptional achievements. These shafts, for instance, distinguish themselves by their ultra-precise form an position tolerance ranges

Gewerbestraße 10
D-78333 Stockach-Windegg

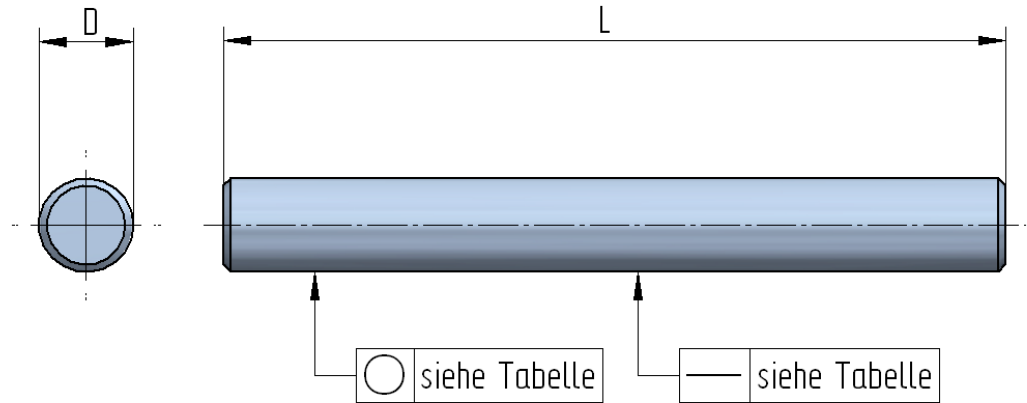
Tel. +49 7771-8701-0
Fax +49 7771-8701-22

info@ess-mikromechanik.de
www.ess-mikromechanik.de



Technical Data

Precision Shafts PFW
13 / 20 / 25 / 40 / 50 / 75
More on request
ess Mikromechanik GmbH



Übersicht

Nenn- \varnothing h6 D	Article-No.	Material			roundness μm	straightness ¹⁾ μm	Rht ²⁾ DIN6773 mm
		1.1213	1.4034	1.4112			
13	F0000061	x	x	x	2	+0,0125 μm pro mm zusätzliche Länge	0,4
20	F0000062	x	x	x	2		0,4
25	F0000063	x	x	x	2		0,4
40	F0000064	x	x	x	2		0,4
50	F0000065	x	x	x	2		0,4
75	F0000070	x	x	x	2		0,4

Nenn- \varnothing h6 D	Length mm Up to 500mm	Weight in g / m		
		1.1213	1.4034	1.4112
13		1042	1008	1022
20		2466	2387	2419
25		3853	3730	3779
40		9854	9550	9675
50		15412	14921	15118
75		34678	33574	34016

¹⁾ The straightness of the shaft can be substantially influenced by the support points and the mobile bushings or slides

²⁾ case hardening depth