



PBE SUPPORT ELEMENT FOR SHAFT

DESCR.	D H7	H	H1	H2	M	M1	S	I	F1	F2	F3
PBE-010	10	18	32	12	38	18	15	28	M5 x 10	4.3	M4 x12
PBE-013	13	19	34	12	43	23	15	33	M5 x 10	4.3	M4 x16
PBE-016	16	21	38	15	50	26	15	38	M6 x 12	5.3	M5 x20
PBE-020	20	26	47	20	60	32	20	46	M8 x 16	6.5	M6 x20
PBE-025	25	30	53	25	67	39	20	53	M8 x 16	6.5	M6 x25
PBE-040	40	40	73	30	92	56	25	74	M10 x 20	8.5	M8 x35
PBE-050	50	47	87	40	108	70	25	90	M10 x 20	8.5	M8 x40
PBE-075	75	64	118	50	150	105	35	128	M12 x 24	10.5	M10 x60

GENERAL TOLERANCES - FOR FEATURES WITHOUT SPECIFIC TOLLERANCE INDICATION ACCORDING TO ISO 2768 - mH
 GENERAL TOLERANCES FOR THREADS ISO 965-1 GAS ISO 228/1

	PBE - 000				RELEASE DATE 05/26/2021	
	CODE	RELEASE A	MEAS. UNIT mm	MASS N/A	SCALE 1.5:1	

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PBH STANDARD SHAFT

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FINISHING

- MP** = round full inox magnetic
- AP** = round full inox not magnetic
- FP** = round full chromed iron
- FT** = chromed iron hose

TOTAL NOMINAL LENGHT
of the shaft[mm]

NOMINAL SHAFT DIAMETER [mm]

example: **PBH-020-0600-MP**

TOLLERANCE REQUIREMENTS ON SHAFTS:

- dimensional tolerances on diameter D_n : ISO g6
- surface finishing : rugosity $R_a \leq 0,8 \mu\text{m}$
- shape tolerance:
 - roundness: $\leq 1,5\mu\text{m}$
 - local straightness: $\leq 2,0\mu\text{m} / 100\text{mm}$
 - straightness on the whole length:



coupling bush bushing - support →	floating	stiffened floating	stiffened resinated
qnt and shaft layout ↓	depending on the application needs		
single shaft			
2 or more coupled shafts	$\leq 15\mu\text{m}$	$\leq 8\mu\text{m}$	$\leq 5\mu\text{m}$