



DREX[®]-TOOLS

UTENSILI DI PRECISIONE PER L'INDUSTRIA MECCANICA - AERONAUTICA - AEROSPAZIALE
PRECISION TOOLS FOR THE MECHANICAL AVIATION - AEROSPACE MANUFACTURING



FOATING REAMER HOLDER



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FLOATING REAMER HOLDER

The internal structure of the floating reamer holder can realize continuous axial deflection and radial translation, so that the clamped tool center can always float 360 ° radially around the center of the machine tool spindle in its vertical plane. The deviation between the tool center and the center of the hole to be machined is repaired and the repositioning error of the tool is eliminated, so that the tool center is consistent with the center of the hole to be machined in the whole processing process. Applicable machine tools: lathe, milling machine, machining center, drilling machine, special machine

Are you bothered by the following problems?

- The size of the hole is too large and the size accuracy cannot meet the requirements
- The middle of the hole is large, the two ends are small, and the cylindricity cannot meet the requirements
- The surface roughness of the inner hole does not meet the requirements
- Reamer is not durable
- Poor straightness of hole
- It is difficult to ensure the consistency of hole diametersize in mass production

Features of automatic return to the center:

automatic return to the center can be realized on lathes (including vertical and horizontal lathes) and machining centers. The floating direction is parallel to the axis of the rotation axis, and the axis deviation between the chuck and the hole to be machined is automatically compensated.

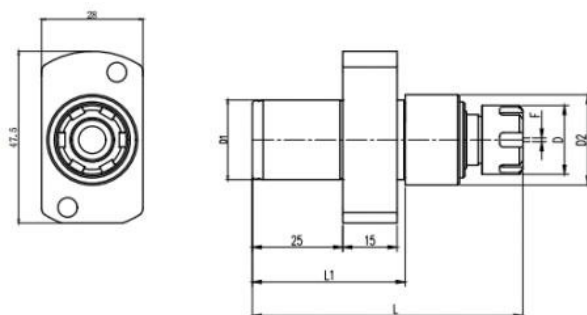
Automatic centering, it can adjust the floating resistance of centering according to the weight of the cutter through the adjusting mechanism. This will prevent vibration and prolong tool life.

PFA SERIES



PFA11M-D22

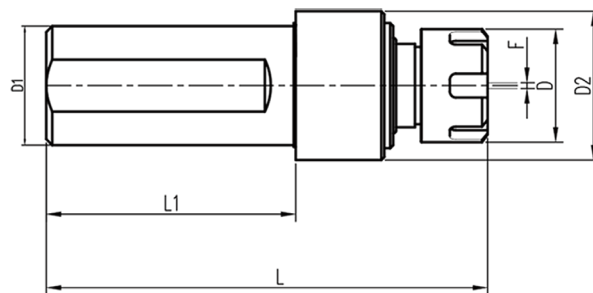
Floating reamer
holder for the back
shaft of the machine



CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA11M-D22 (HZ) HDZ	ER11	16	22	25	74	40	1

PFA11M

Resetting type
floating reamer
holder

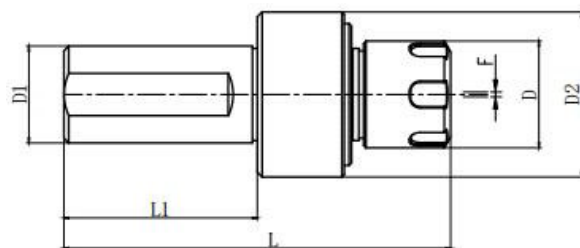


If internal cooling is required, add "-C" after the model number,
such as PFA11M-D20-C (HZ)

CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA11M-D13 (HZ)	ER11	16	13	25	75	40	1
PFA11M-D15.88 (HZ)	ER11	16	15.88	25	75	40	1
PFA11M-D16 (HZ)	ER11	16	16	25	75	40	1
PFA11M-D19 (HZ)	ER11	16	19	25	75	40	1
PFA11M-D19.05 (HZ)	ER11	16	19.05	25	75	40	1
PFA11M-D20 (HZ)	ER11	16	20	25	75	40	1
PFA11M-D22 (HZ)	ER11	16	22	25	75	40	1
PFA11M-D25 (HZ)	ER11	16	25	25	75	40	1
PFA11M-D25.4 (HZ)	ER11	16	25.4	25	75	40	1

PFA16

Resetting type
floating reamer
holder

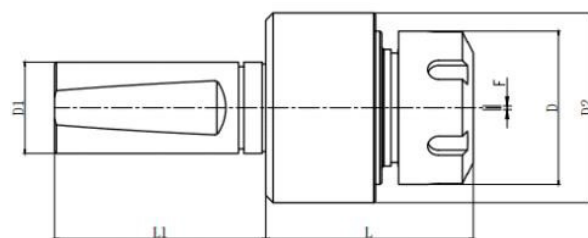


If internal cooling is required, add "-C" after the model number, such as PFA16-D20-C (HZ)

CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA16-D16 (HZ)	ER16	22	16	34	83	40	1.6
PFA16-D19.05 (HZ)	ER16	22	19.05	34	83	40	1.6
PFA16-D20 (HZ)	ER16	22	20	34	83	40	1.6
PFA16-D22 (HZ)	ER16	22	22	34	83	40	1.6
PFA16-D25 (HZ)	ER16	22	25	34	83	40	1.6
PFA16-D25.4 (HZ)	ER16	22	25.4	34	83	40	1.6

PFA25

Resetting type
floating reamer
holder

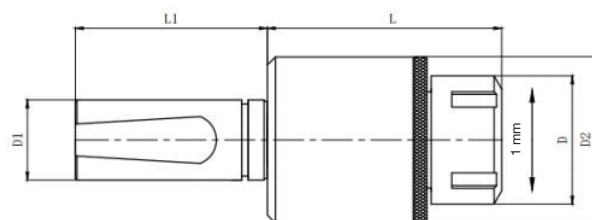


If internal cooling is required, add "-C" after the model number, such as PFA16-D20-C (HZ)

CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA25-D13 (HZ)	ER25	42	13	52	57	40	2
PFA25-D16 (HZ)	ER25	42	16	52	57	40	2
PFA25-D19.05 (HZ)	ER25	42	19.05	52	57	40	2
PFA25-D20 (HZ)	ER25	42	20	52	57	40	2
PFA25-D25 (HZ)	ER25	42	25	52	57	58	2

PFA25

Floating hinge holder
(In-cooling and adjustable)



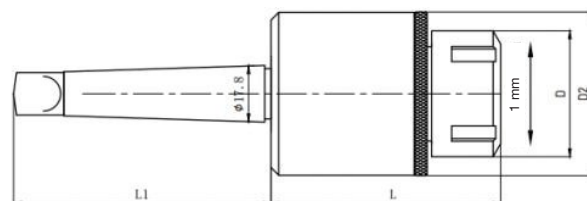
CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA25-D13-CS1	ER25	42	13	52	73.2	40	0-1
PFA25-D16-CS1	ER25	42	16	52	73.2	40	0-1
PFA25-D20-CS8	ER25	42	20	52	73.2	40	0-1
PFA25-D25-CS8	ER25	42	25	52	73.2	58	0-1

When the centering sleeve is completely screwed, it is locked radially without floating clearance. The radial floating distance increases by 0.05mm and the maximum radial clearance is 1mm when the dial surface scale of the centering sleeve rotates once.

The internal structure design of the tool holder can realize the free floating of the reamer axis line within the maximum axial range of 1°, and automatically compensate the angle deviation between the pre machined hole center and the machine tool spindle.

PFA25-CM2

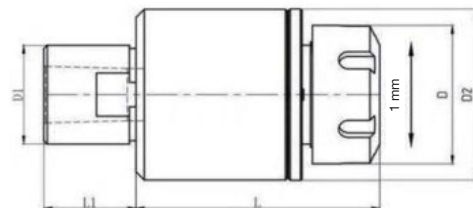
Adjustable floating reamer holder



CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA25-D13 (HZ)	ER25	42		52	73.2	82	0-1

PFA25-JT6

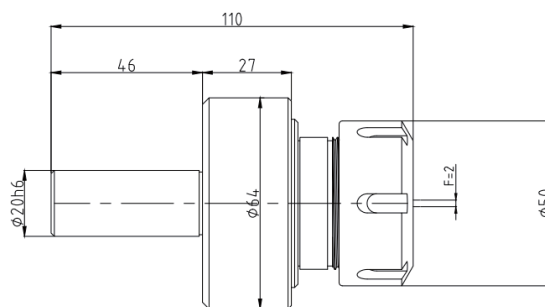
Adjustable floating holder



CODE	CHUCK	D	D1	D2	L	L1	FLOATING mm
PFA25-JT6	ER25	42	30 (JT6)	52	73.2	28	0-1

PFA35M

Floating hinge holder
(In-cooling and adjustable)



CODE	CHUCK	D	D1	D2	L	L1	L2	FLOATING mm
PFA32M-D20-C-HZ	ER32	50	64	20	110	46	27	2
PFA32M-D25-C-HZ	ER32	50	64	25	120	56	27	2
PFA32M-D32-C-HZ	ER32	50	20	32	124	60	27	2