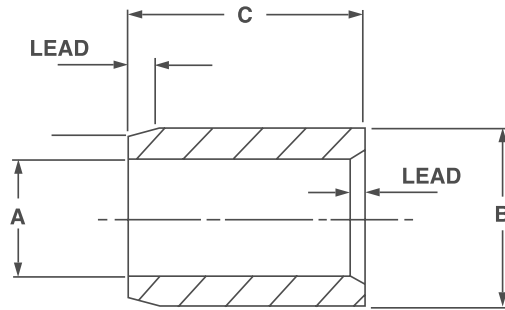


Headless Press Fit Drill Bushings

ISO 4247 / DIN 179A Headless Metric Drill Bushing



KEY FEATURES

- / Diameters from 1.50mm to 105mm
- / Hardened to 60-65 HRC
- / OD lead for easy installation
- / ID radius improves drill entry
- / OD ground to press fit size
- / F7 drill limits

APPLICATION

The 'PP Type' of drill bushing is to European and UK standards. They are normally used

in jigs where an economically priced drill bushing is required, or where less space is available on the jig plate. Headless press fit bushings are pressed into the plate to achieve a flush surface in conjunction with a simple drilling and reaming operation. Headless drill bushings have less resistance than the headed type when subjected to large axial loads.

ORDERING INSTRUCTIONS

When Ordering State: Quantity, Symbol, Bore Size and whether it's a Drill or Reamer.
Example: 6, PP15E 10MM

NOTES

- / For general ordering information and technical data see pages 44-45
- / Nitralloy Bushings quoted upon request
- / Price list codes detailed below; please see price list.



F7 Limits (Drills)		B Dia. n6 Limits	Length C and Bushing Reference					
A Dia * Limits (Reamers)			Short		Long		Extra Long	
From	Up to		C	Ref.	C	Ref.	C	Ref.
-	1	3	6	PP3A	9	PP3C	-	-
1.05	1.8	4	6	PP4A	9	PP4C	-	-
1.85	2.6	5	6	PP5A	9	PP5C	-	-
2.65	3.3	6	8	PP6B	12	PP6E	16	PP6F
3.4	4	7	8	PP7B	12	PP7E	16	PP7F
4.1	5	8	8	PP8B	12	PP8E	16	PP8F
5.1	6	10	10	PP10D	16	PP10F	20	PP10H
6.1	8	12	10	PP12D	16	PP12F	20	PP12H
8.1	10	15	12	PP15E	20	PP15H	25	PP15J
10.1	12	18	12	PP18E	20	PP18H	25	PP18J
12.1	15	22	16	PP22F	28	PP22K	36	PP22N
15.25	18	26	16	PP26F	28	PP26K	36	PP26N
18.25	22	30	20	PP30H	36	PP30N	45	PP30R
22.25	26	35	20	PP35H	36	PP35N	45	PP35R
26.25	30	42	25	PP42J	45	PP42R	56	PP42S
30.25	35	48	25	PP48J	45	PP48R	56	PP48S
35.50	42	55	30	PP55L	56	PP55S	67	PP55T
42.50	48	62	30	PP62L	56	PP62S	67	PP62T
48.50	55	70	30	PP70L	56	PP70S	67	PP70T
56	63	78	35	PP78M	67	PP78T	78	PP78W
64	70	85	35	PP85M	67	PP85T	78	PP85W
71	78	95	40	PP95P	78	PP95W	105	PP95Y
79	85	105	40	PP105P	78	PP105W	105	PP105Y
86	95	115	45	PP115R	89	PP115X	112	PP115Z
96	105	125	45	PP125R	89	PP125X	112	PP125Z

ALL DIMENSIONS IN MILLIMETERS

*See page 18 for table showing ISO Bore Tolerances of reamer bushings

Boneham Metal Products, Inc. strives to provide drill bushings that will maintain a service life consistent with their intended use, and we are always working to deliver our products in the most expeditious time frame possible.