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LANDING PAGE

Scan the QR code to access detailed specifications, dimensional data, and the full product offering of the Ingersoll Precision Boring (IPB) System in our e-catalog.



CROSS REFERENCE

This document provides a detailed, side-by-side comparison of components from the legacy boring system alongside their corresponding IPB equivalents.



INSERTS

Ingersoll is continuously updating insert geometries and grades. Scan the QR code for the latest list of compatible insert offerings.



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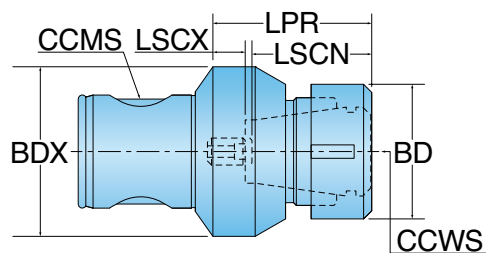
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Series IPB-ER Collet

TAPPING COLLETS WITHOUT AXIAL COMPENSATION



Part Number	CCMS Conn. Code Machine Side	BDX Body Diameter Max.	LPR Protruding Length	LSCN Clamping Length Min.	LSCX Clamping Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH							
ER16.ER11M	IPB-16	16.0 mm	0.980	0.079	0.100	ER11	0.07
ER20.ER16M	IPB-20	20.0 mm	1.260	0.079	0.040	ER16	0.13
ER32.ER25M	IPB-32	32.0 mm	1.650	0.079	0.060	ER25	0.55
ER40.ER25	IPB-40	40.0 mm	1.770	0.079	0.200	ER25	0.88
ER50.ER25	IPB-50	50.0 mm	1.890	0.079	0.280	ER25	1.54
ER50.ER32	IPB-50	50.0 mm	2.170	0.079	0.310	ER32	2.20
ER63.ER32	IPB-63	63.0 mm	2.320	0.079	0.470	ER32	2.87

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Series IPB-WEL - Side Lock

SIDE LOCK HOLDER



Figure 1

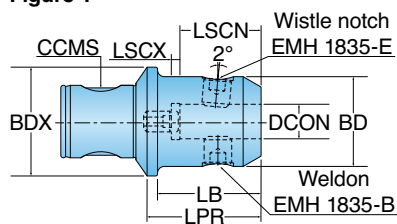
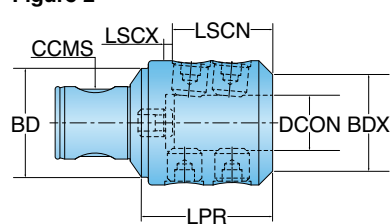


Figure 2



Part Number	CCMS Conn. Code Machine Side	DCON Connection Diameter	BD Body Diameter	BDX Body Diameter Max.	LPR Protruding Length	LB Body Length	LSCN Clamping Length Min.	LSCX Clamping Length Max.	WT Weight (lbs)	Fig.
INCH										
IPB50-WEL-1/4	IPB50	0.250	0.980	1.968	1.380	0.930	1.30	1.10	1.10	1
IPB50-WEL-3/8	IPB50	0.375	1.380	1.968	2.050	1.650	1.93	1.62	1.54	1
IPB50-WEL-1/2	IPB50	0.500	1.650	1.968	2.240	1.890	2.12	1.81	1.76	1
IPB50-WEL-5/8	IPB50	0.625	1.890	1.968	2.630	2.400	2.47	1.97	2.43	1
IPB50-WEL-3/4	IPB50	0.750	1.970	1.968	2.630	-	2.47	2.00	2.65	1
IPB63-WEL-1/2	IPB63	0.500	1.650	2.480	2.240	1.890	2.12	1.81	3.09	1
IPB63-WEL-5/8	IPB63	0.625	1.890	2.480	2.520	2.090	2.36	1.97	3.09	1
IPB63-WEL-3/4	IPB63	0.750	1.970	2.480	2.600	2.200	2.44	2.05	3.31	1
IPB63-WEL-1	IPB63	1.000	2.480	2.480	3.070	-	2.91	2.48	4.63	2
IPB63-WEL-1-1/4	IPB63	1.250	2.760	2.760	3.070	-	2.91	2.52	5.29	2
IPB80-WEL-1-1/2	IPB80	1.500	3.150	3.150	3.270	-	3.11	2.84	7.00	2
IPB80-WEL-2	IPB80	2.000	3.740	3.740	3.940	-	3.78	3.47	10.14	2
METRIC										
IPB50-WEL-6	IPB50	6.0 mm	25.0 mm	-	44.0 mm	32.50 mm	42.0 mm	37.0 mm	1.10	1
IPB50-WEL-8	IPB50	8.0 mm	28.0 mm	-	44.0 mm	33.00 mm	42.0 mm	37.0 mm	1.10	1
IPB50-WEL-10	IPB50	10.0 mm	35.0 mm	-	52.0 mm	42.00 mm	39.0 mm	49.0 mm	1.54	1
IPB50-WEL-12	IPB50	12.0 mm	42.0 mm	-	57.0 mm	48.00 mm	54.0 mm	54.0 mm	1.76	1
IPB50-WEL-14	IPB50	14.0 mm	42.0 mm	-	57.0 mm	48.00 mm	54.0 mm	54.0 mm	1.76	1
IPB50-WEL-16	IPB50	16.0 mm	48.0 mm	-	67.0 mm	61.00 mm	63.0 mm	63.0 mm	2.43	1
IPB50-WEL-20	IPB50	20.0 mm	51.0 mm	-	67.0 mm	-	63.0 mm	63.0 mm	2.65	1
IPB50-WEL-25	IPB50	25.0 mm	-	63.0 mm	80.0 mm	-	76.0 mm	76.0 mm	3.97	2
IPB63-WEL-16	IPB63	16.0 mm	48.0 mm	-	64.0 mm	53.00 mm	60.0 mm	60.0 mm	3.09	1
IPB63-WEL-20	IPB63	20.0 mm	52.0 mm	-	66.0 mm	56.00 mm	62.0 mm	62.0 mm	3.31	1
IPB63-WEL-25	IPB63	25.0 mm	-	64.0 mm	74.0 mm	-	70.0 mm	60.0 mm	4.63	2
IPB63-WEL-32	IPB63	32.0 mm	-	72.0 mm	76.0 mm	-	72.0 mm	72.0 mm	5.51	2
IPB80-WEL-40	IPB80	40.0 mm	-	80.0 mm	83.0 mm	-	79.0 mm	79.0 mm	7.05	2

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Series IPB-FD

FACE MILL DRIVERS



Figure 1

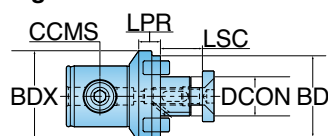
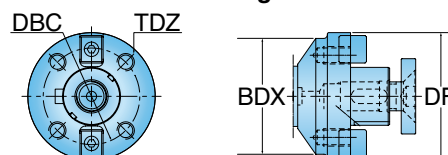


Figure 2

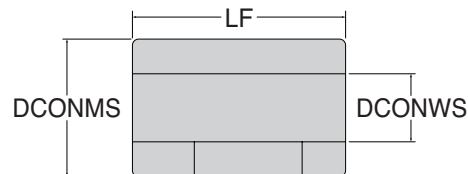


Part Number	CCMS Conn. Code Machine Side	DCON Connection Diameter	BD Body Diameter	BDX Body Diameter Max.	DBC Bolt Circle	TDZ Thread Size	LSC Clamping Length	LPR Protruding Length	WT Weight (lbs)	Fig.
INCH										
IPB50-FD-3/4	IPB50	0.750	1.570	1.968	-	-	0.680	0.590	1.10	1
IPB50-FD-1	IPB50	1.000	1.960	1.968	-	-	0.680	0.590	1.32	1
IPB63-FD-1	IPB63	1.000	2.360	2.480	-	-	0.680	0.590	2.20	1
IPB63-FD-1-1/4	IPB63	1.250	2.750	2.480	-	-	0.680	0.750	2.87	1
IPB80-FD-1-1/2	IPB80	1.500	3.460	3.150	-	-	0.940	0.940	4.85	1
IPB80-FD-2	IPB80	2.000	2.850	3.150	-	-	0.940	1.060	6.61	1
METRIC										
IPB40-FD-16	IPB40	16.0 mm	32.0 mm	40.0 mm	-	-	17.0 mm	15.0 mm	0.66	1
IPB40-FD-22	IPB40	22.0 mm	40.0 mm	40.0 mm	-	-	19.0 mm	13.0 mm	0.88	1
IPB50-FD-16	IPB50	16.0 mm	32.0 mm	50.0 mm	-	-	17.0 mm	15.0 mm	1.10	1
IPB50-FD-22	IPB50	22.0 mm	40.0 mm	50.0 mm	-	-	19.0 mm	15.0 mm	1.10	1
IPB50-FD-27	IPB50	27.0 mm	50.0 mm	50.0 mm	-	-	21.0 mm	15.0 mm	1.32	1
IPB50-FD-32	IPB50	32.0 mm	60.0 mm	50.0 mm	-	-	24.0 mm	15.0 mm	1.54	1
IPB63-FD-22	IPB63	22.0 mm	60.0 mm	63.0 mm	-	-	19.0 mm	15.0 mm	1.98	1
IPB63-FD-27	IPB63	27.0 mm	60.0 mm	63.0 mm	-	-	21.0 mm	15.0 mm	2.43	1
IPB63-FD-32	IPB63	32.0 mm	63.0 mm	63.0 mm	-	-	24.0 mm	15.0 mm	2.65	1
IPB80-FD-32	IPB80	32.0 mm	80.0 mm	80.0 mm	-	-	24.0 mm	24.0 mm	3.75	1
IPB80-FD-40	IPB80	40.0 mm	84.0 mm	80.0 mm	66.7 mm	M12	27.0 mm	24.0 mm	4.19	2
IPB80-FD-50	IPB80	50.0 mm	90.0 mm	80.0 mm	-	-	30.0 mm	24.0 mm	4.41	1
IPB80-FD-60	IPB80	60.0 mm	128.5 mm	80.0 mm	101.6 mm	M16	40.0 mm	31.5 mm	7.72	2

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Series IPB-DXX Reducer Sleeves

FOR BORING BARS

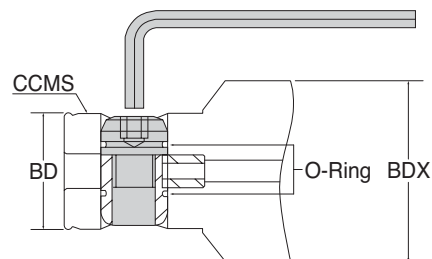


Part Number	DCONMS Connection Diameter Machine Side	DCONWS Connection Diameter Workpiece Side	LF Funct. Length
INCH			
SLEEVE D8-D16	16.0mm	8.0mm	0.860

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Series IPB Expanding Pin

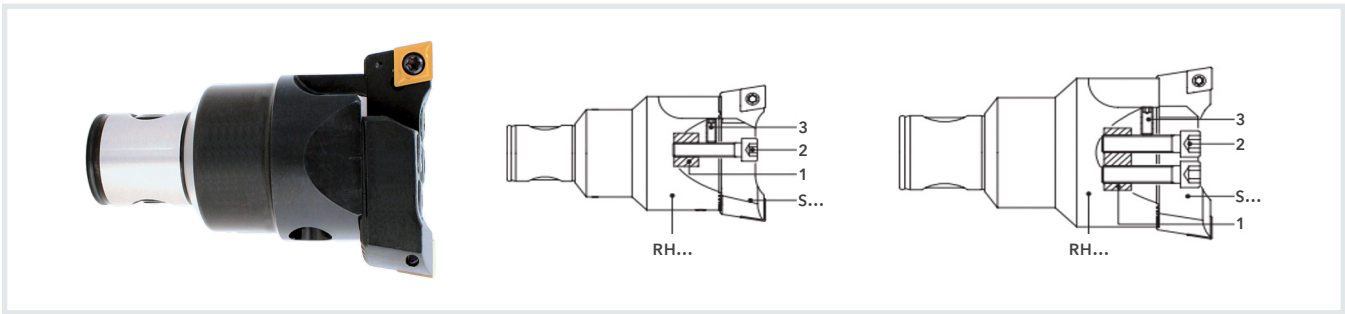
EXPANDING PIN COUPLING FOR IPB MODULAR SYSTEM



Part Number	CCMS Conn. Code Machine Side	BDX Body Diameter Max.	BD Body Diameter
INCH			
IPB-16	IPB16	16.0mm	10.0mm
IPB-20	IPB20	20.0mm	13.0mm
IPB-25	IPB25	25.0mm	16.0mm
IPB-32	IPB32	32.0mm	20.0mm
IPB-40	IPB40	40.0mm	25.0mm
IPB-50	IPB50	50.0mm	32.0mm
IPB-63-80	IPB63-80	63.0mm/80.0mm	42.0mm

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IPB RH Spare Parts



Part Number	EXPANDING IPB CONNECTION	#1 (NUT/ADJ BARREL)	#2 (CARTRIDGE BOLT)	#3 (ADJ SCREWS)
	DESC	DESC	DESC	DESC
RH-IPB16-16	IPB-16	BH NUT BHR MB16	SR M3X14DIN912	SR M3X4DIN913
RH-IPB20-20	IPB-20	BH NUT BHR MB20	SR M4X15DIN912	SR M3X5DIN913
RH-IPB25-25	IPB-25	BH NUT BHR MB25	SR M4X20DIN912	SR M3X8DIN913
RH-IPB32-32	IPB-32	BH NUT BHR MB32	SR M5X25DIN912	SR M4X12DIN913
RH-IPB40-40	IPB-40	BH NUT BHR MB40	SR M6X30DIN912	SR M5X14DIN913
RH-IPB50-50	IPB-50	BH NUT BHR MB50	SR M8X35DIN912	SR M5X12DIN913
RH-IPB50-63		BH NUT BHR MB63	SR M10X40DIN912	SR M6X16DIN913
RH-IPB63-63	IPB-63-80	BH NUT BHR MB63	SR M10X40DIN912	SR M6X16DIN913
RH-IPB80-80		BH NUT BHR MB80	SR M12X45DIN912	SR M8X25DIN913

IPB AFH Spare Parts

Part Number	EXPANDING IPB CONNECTION	SLIDE LOCK SCREW	CARTRIDGE BOLT	DOVETAIL BOLT	Fig.	
	DESC	DESC	DESC	DESC		
AFH-IPB16-16	IPB-16	BH-E/F SLIDE LOCK M3X4.5	SR M3X6DIN912	N/A	1	
AFH-IPB16-16-INCH						
AFH-IPB20-20	IPB-20		SR M4X8DIN912			
AFH-IPB20-20-INCH						
AFH-IPB25-25	IPB-25	SRM4X4DIN913	SR M5X10DIN912			
AFH-IPB25-25-INCH						
AFH-IPB32-32	IPB-32	SR M4X6DIN914	SR M6X12DIN912			
AFH-IPB32-32-INCH						
AFH-IPB40-40	IPB-40	SR M5X6DIN914	SR M8X14DIN912			
AFH-IPB40-40-INCH						
AFH-IPB50-50	IPB-50	SR M5X8DIN914	SR M10X25DIN912			
AFH-IPB50-50-INCH						
AFH-IPB50-63		SR M6X10DIN915	N/A	SRM5X12DIN912	2	
AFH-IPB50-63-INCH				SR M6X12DIN912		
AFH-IPB50-80	SR M6X14DIN915	SR M5X12DIN912				
AFH-IPB50-80-INCH		SR M6X12DIN912				
AFH-IPB63-63	IPB-63-80	SR M6X10DIN915				SR M5X12DIN912
AFH-IPB63-63-INCH						
AFH-IPB80-80		SR M6X14DIN915				SR M6X12DIN912
AFH-IPB80-80-INCH						
AFH-IPB80-125		SR M6X22DIN915				SR M8X20DIN912
AFH-IPB80-125-INCH						