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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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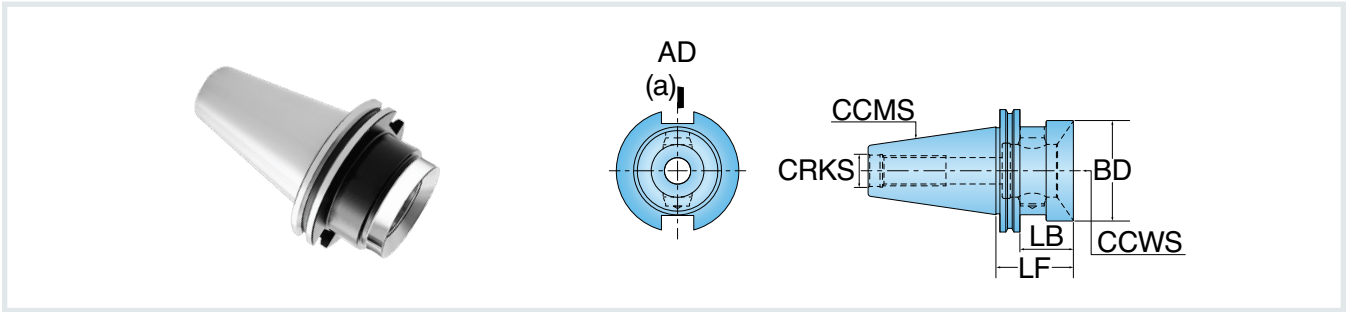
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Series IPB-ANSI/CAT

ANSI CAT SPINDLE ADAPTER (METRIC PULL STUD)



Part Number	CCMS Conn. Code Machine Side	CRKS Conn. Ret. Knob Thread Size	BD Body Diameter	LF Funct. Length	LB Body Length	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH							
ANSI/CAT40-IPB50.66	CAT40	M16	50.00 mm	2.59	1.850	IPB-50	2.420
ANSI/CAT40-IPB63.100	CAT40	M16	63.00 mm	3.94	-	IPB-63	4.180
ANSI/CAT50-IPB50.48	CAT50	M24	50.00 mm	1.89	1.140	IPB-50	6.390
ANSI/CAT50-IPB80.62	CAT50	M24	80.00 mm	2.44	1.692	IPB-80	7.500

Series IPB-CAT_UNC

CAT SPINDLE ADAPTER (INCH PULL STUD)

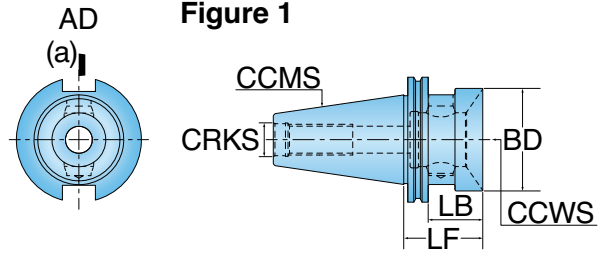
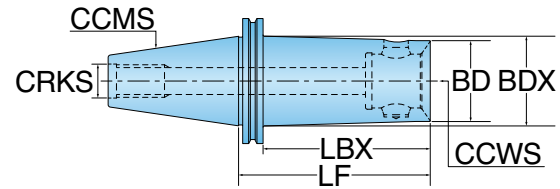


Figure 2



Part Number	CCMS Conn. Code Machine Side	CRKS Conn. Ret. Knob Thread Size	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH										
CAT40UNC-IPB50.66	CAT40	5/8 UNC	50.00 mm	-	2.60	1.851	-	IPB-50	2.430	1
CAT40UNC-IPB50.120	CAT40	5/8 UNC	50.00 mm	2.756	4.72	-	3.980	IPB-50	3.750	2
CAT40UNC-IPB63.100	CAT40	5/8 UNC	63.00 mm	-	3.94	-	-	IPB-63	4.190	1
CAT45UNC-IPB50.48	CAT45	3/4 UNC	50.00 mm	-	1.89	1.143	-	IPB-50	3.750	1
CAT50UNC-IPB50.48	CAT50	1 UNC	50.00 mm	-	1.89	1.142	-	IPB-50	5.290	1
CAT50UNC-IPB50.120	CAT50	1 UNC	50.00 mm	2.756	4.72	-	3.980	IPB-50	7.720	2
CAT50UNC-IPB63.56	CAT50	1 UNC	63.00 mm	-	2.21	1.457	-	IPB-63	6.390	1
CAT50UNC-IPB63.150	CAT50	1 UNC	63.00 mm	2.756	5.90	-	5.160	IPB-63	11.020	2
CAT50UNC-IPB80.62	CAT50	1 UNC	80.00 mm	-	2.44	1.693	-	IPB-80	7.050	1
CAT50UNC-IPB80.180	CAT50	1 UNC	80.00 mm	-	7.09	-	6.340	IPB-80	15.210	2

Series IPB-CAT_UNC_FC (Face Contact)

CAT SPINDLE ADAPTER FC (FACE CONTACT) (INCH PULL STUD)

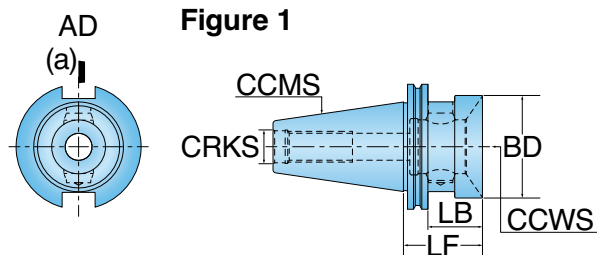
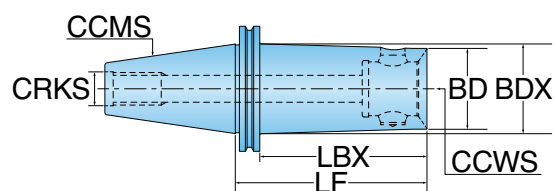


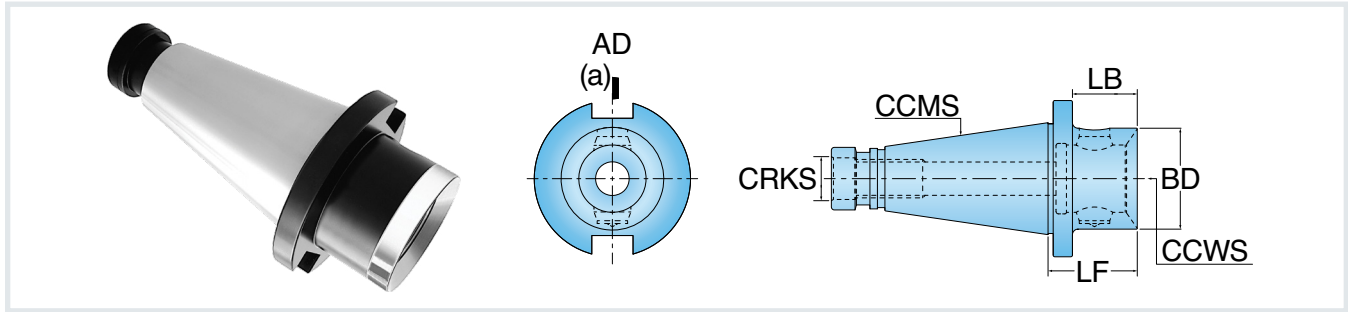
Figure 2



Part Number	CCMS Conn. Code Machine Side	CRKS Conn. Ret. Knob Thread Size	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH										
CAT40UNC-FC-IPB50.66	CAT40FC	5/8 UNC	50.00 mm	-	2.59	1.850	-	IPB-50	2.430	1
CAT40UNC-FC-IPB50.120	CAT40FC	5/8 UNC	50.00 mm	1.968	4.72	-	3.980	IPB-50	5.950	2
CAT50UNC-FC-IPB50.48	CAT50FC	1 UNC	50.00 mm	-	1.89	1.142	-	IPB-50	5.290	1
CAT50UNC-FC-IPB63.56	CAT50FC	1 UNC	63.00 mm	-	2.20	1.460	-	IPB-63	6.390	1
CAT50UNC-FC-IPB80.62	CAT50FC	1 UNC	80.00 mm	-	2.44	1.690	-	IPB-80	7.090	1

Series IPB-NMTB

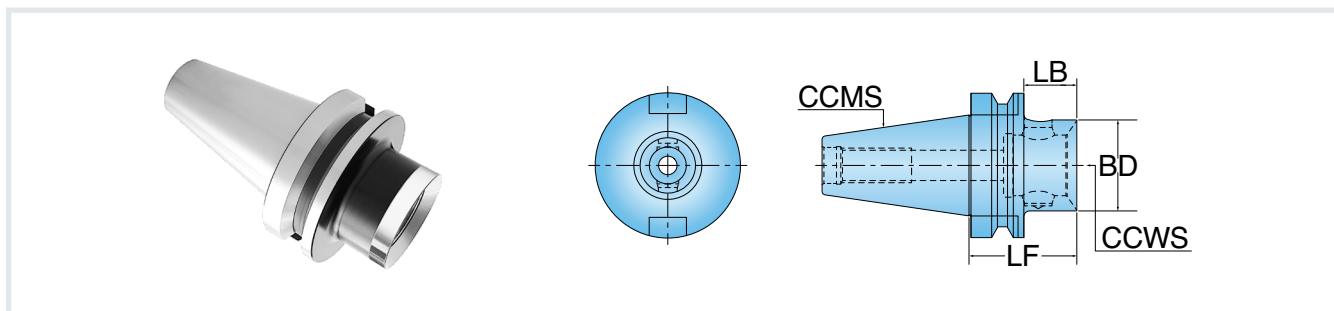
NMTB SPINDLE ADAPTER



Part Number	CCMS Conn. Code Machine Side	CRKS Conn. Ret. Knob Thread Size	BD Body Diameter	LF Funct. Length	LB Body Length	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH							
NMTB40-IPB63.60	NMTB40	5/8 UNC	63.00 mm	1.88	1.430	IPB-63	2.640
NMTB50-IPB50.48	NMTB50	1 UNC	50.00 mm	1.88	1.300	IPB-50	5.730
NMTB50-IPB63.56	NMTB50	1 UNC	63.00 mm	2.20	1.610	IPB-63	5.950
NMTB50-IPB80.60	NMTB50	1 UNC	80.00 mm	2.36	1.770	IPB-80	7.050

Series IPB-MAS403-BT

MAS403-BT SPINDLE ADAPTER



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	LF Funct. Length	LB Body Length	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH						
MAS403-BT30-IPB50.60	BT30	50.00 mm	2.36	1.420	IPB-50	1.540
MAS403-BT40-IPB50.48	BT40	50.00 mm	1.89	0.830	IPB-50	1.980
MAS403-BT40-IPB63.66	BT40	63.00 mm	2.60	-	IPB-63	2.640
MAS403-BT45-IPB50.62	BT45	50.00 mm	2.44	1.140	IPB-50	3.740
MAS403-BT50-IPB50.66	BT50	50.00 mm	2.60	1.100	IPB-50	7.700
MAS403-BT50-IPB63.75	BT50	63.00 mm	1.97	0.470	IPB-63	7.500
MAS403-BT50-IPB80.75	BT50	80.00 mm	2.95	1.460	IPB-80	8.810

Series IPB-MAS403-BT_FC (Face Contact)

MAS403-BT (FACE CONTACT) SPINDLE ADAPTER



Figure 1

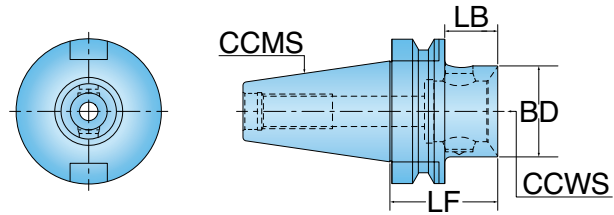
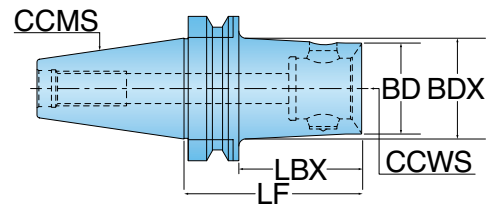


Figure 2



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH									
MAS403-BT40-FC-IPB50.48	BT40	50.00 mm	-	1.89	0.830	-	IPB-50	1.980	1
MAS403-BT40-FC-IPB50.120	BT40	50.00 mm	-	4.72	3.660	-	IPB-50	1.900	1
MAS403-BT40-FC-IPB63.66	BT40	63.00 mm	-	2.60	-	-	IPB-63	2.650	1
MAS403-BT50-FC-IPB50.66	BT50	50.00 mm	-	2.60	1.100	-	IPB-50	7.280	1
MAS403-BT50-FC-IPB63.150	BT50	63.00 mm	2.894	5.91	-	4.410	IPB-63	12.790	2
MAS403-BT50-FC-IPB80.75	BT50	80.00 mm	-	2.95	1.460	-	IPB-80	8.820	1
MAS403-BT50-FC-IPB80.180	BT50	80.00 mm	-	7.09	-	5.590	IPB-80	16.530	2

Series IPB-PSC (ISO26623-1)

POLYGON SHANK CONNECTION SPINDLE ADAPTER



Figure 1

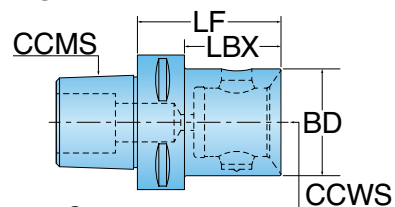
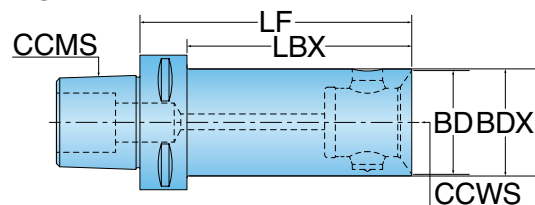


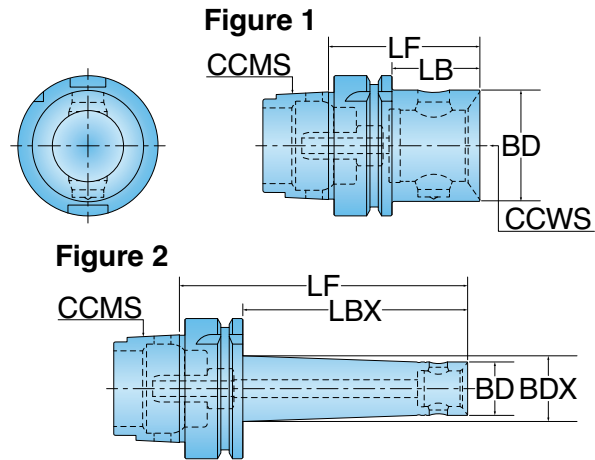
Figure 2



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH									
C4-IPB32.42	C4	32.00	-	1.65	0.870	-	IPB-32	0.660	1
C5-IPB50.55	C5	50.00 mm	-	2.17	-	-	IPB-50	1.760	1
C6-IPB40.50	C6	40.00 mm	-	1.97	1.102	-	IPB-40	1.980	1
C6-IPB40.120	C6	40.00 mm	1.732	4.72	-	3.858	IPB-40	3.310	2
C6-IPB50.55	C6	50.00 mm	-	2.17	1.299	-	IPB-50	2.430	1
C6-IPB50.67	C6	50.00 mm	-	2.64	1.772	-	IPB-50	2.430	1
C6-IPB50.120	C6	50.00 mm	2.126	4.72	-	3.850	IPB-50	1.900	2
C6-IPB63.77	C6	63.00 mm	-	3.03	-	-	IPB-63	4.190	1
C8-IPB50.60	C8	50.00 mm	-	2.36	1.181	-	IPB-50	4.410	1
C8-IPB50.120	C8	50.00 mm	2.126	4.72	3.540	-	IPB-50	6.170	2
C8-IPB63.70	C8	63.00 mm	-	2.76	1.575	-	IPB-63	5.070	1
C8-IPB63.150	C8	63.00 mm	2.638	5.91	4.720	-	IPB-63	8.820	2
C8-IPB80.75	C8	80.00 mm	-	2.95	-	-	IPB-80	5.730	1

Series IPB-HSK-A (DIN 69893)

HSK-A DIN SPINDLE ADAPTER



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH									
HSK-A50-IPB50.66	HSK A50	50.00 mm	-	2.6	1.574	-	IPB-50	1.320	1
HSK-A63-IPB40.60	HSK A63	40.00 mm	-	2.36	1.338	-	IPB-40	1.540	1
HSK-A63-IPB40.120	HSK A63	40.00 mm	1.811	4.72	-	3.700	IPB-40	1.540	2
HSK-A63-IPB50.66	HSK A63	50.00 mm	-	2.6	1.574	-	IPB-50	1.940	1
HSK-A63-IPB50.120	HSK A63	50.00 mm	-	4.72	3.700	-	IPB-50	1.940	1
HSK-A63-IPB63.75	HSK A63	63.00 mm	-	2.95	-	-	IPB-63	2.420	1
HSK-A80-IPB50.70	HSK A80	50.00 mm	-	2.76	1.732	-	IPB-50	3.300	1
HSK-A80-IPB63.80	HSK A80	63.00 mm	-	3.15	2.130	-	IPB-63	3.960	1
HSK-A80-IPB80.86	HSK A80	80.00 mm	-	3.39	-	-	IPB-80	4.620	1
HSK-A100-IPB50.72	HSK A100	50.00 mm	-	2.83	1.690	-	IPB-50	5.290	1
HSK-A100-IPB50.120	HSK A100	50.00 mm	2.362	4.72	-	3.580	IPB-50	7.050	2
HSK-A100-IPB63.82	HSK A100	63.00 mm	-	3.23	2.086	-	IPB-63	5.950	1
HSK-A100-IPB63.150	HSK A100	63.00 mm	2.756	5.91	-	4.760	IPB-63	9.920	2
HSK-A100-IPB80.88	HSK A100	80.00 mm	-	3.46	2.320	-	IPB-80	6.600	1
HSK-A100-IPB80.180	HSK A100	80.00 mm	3.149	7.09	-	5.940	MHD 80	14.330	2

Series IPB-DIN69871

DIN69871 SPINDLE ADAPTER

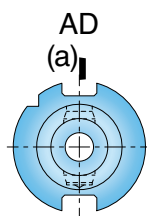


Figure 1

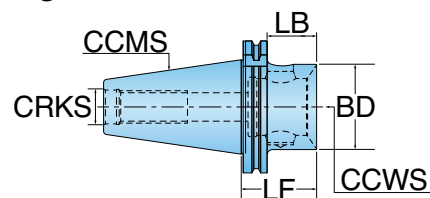
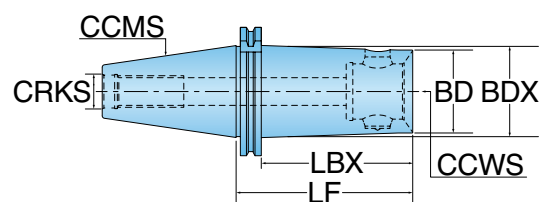


Figure 2



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH									
DIN69871-30-IPB50.60	DIN69871-30	50.00 mm	-	2.36	-	-	IPB-50	0.600	1
DIN69871-40-IPB40.45	DIN69871-40	50.00 mm	-	1.77	1.020	-	IPB-40	0.900	1
DIN69871-40-IPB40.120	DIN69871-40	40.00 mm	1.752	4.72	-	3.976	IPB-40	0.900	2
DIN69871-40-IPB50.48	DIN69871-40	50.00	-	1.89	1.140	-	IPB-50	0.900	1
DIN69871-40-IPB50.120	DIN69871-40	50.00 mm	1.968	4.72	-	3.976	IPB-50	0.900	2
DIN69871-40-IPB63.80	DIN69871-40	63.00 mm	-	3.15	-	-	IPB-63	1.500	1
DIN69871-50-IPB50.48	DIN69871-50	50.00 mm	-	1.89	1.140	-	IPB-50	2.700	1
DIN69871-50-IPB50.120	DIN69871-50	50.00 mm	2.362	4.72	-	3.976	IPB-50	2.700	2
DIN69871-50-IPB63.56	DIN69871-50	63.00 mm	-	2.20	1.460	-	IPB-63	2.800	1
DIN69871-50-IPB63.150	DIN69871-50	63.00 mm	2.874	5.91	-	5.157	IPB-63	2.800	2
DIN69871-50-IPB80.62	DIN69871-50	80.00 mm	-	2.44	1.690	-	IPB-80	3.400	1
DIN69871-50-IPB80.180	DIN69871-50	80.00 mm	3.149	7.09	-	6.338	IPB-80	3.400	2

Series IPB-DIN69871_FC (Face Contact)

DIN69871_FC (FACE CONTACT) SPINDLE ADAPTER

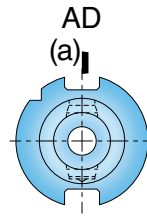


Figure 1

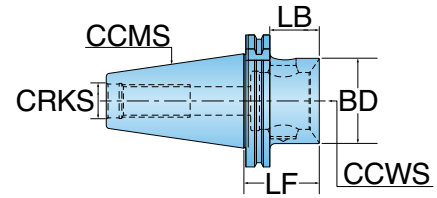
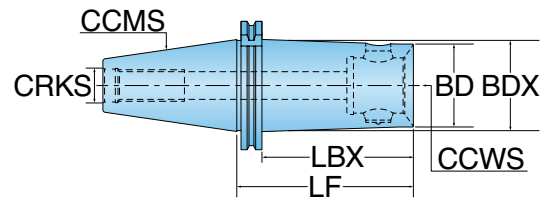


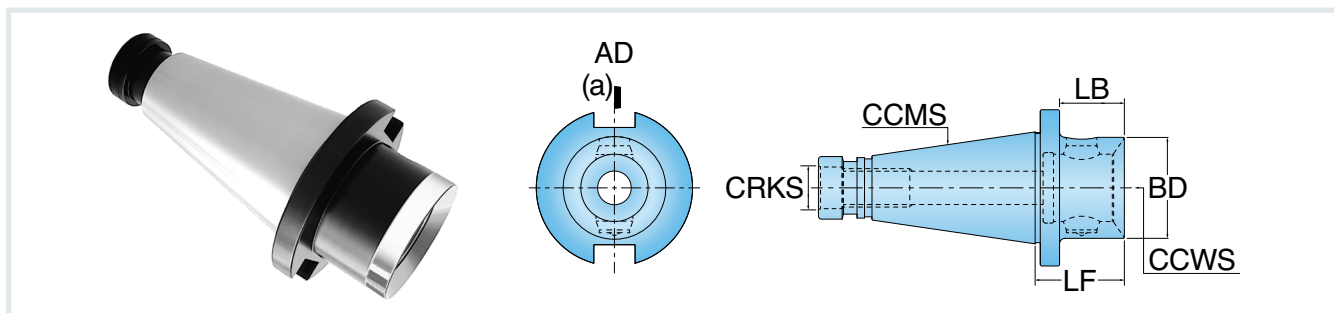
Figure 2



Part Number	CCMS Conn. Code Machine Side	BD Body Diameter	BDX Body Diameter Max.	LF Funct. Length	LB Body Length	LBX Body Length Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH									
DIN69871-40-FC-IPB50.48	DIN69871-40	50.00 mm	-	1.89	1.142	-	IPB-50	1.980	1
DIN69871-40-FC-IPB50.120	DIN69871-40	50.00 mm	2.362	4.72	-	3.976	IPB-50	3.750	2
DIN69871-50-FC-IPB50.48	DIN69871-50	50.00 mm	-	1.89	1.142	-	IPB-50	5.510	1
DIN69871-50-FC-IPB50.120	DIN69871-50	50.00 mm	2.362	4.72	-	3.976	IPB-50	7.720	2
DIN69871-50-FC-IPB63.56	DIN69871-50	63.00 mm	-	2.20	1.460	-	IPB-63	6.170	1
DIN69871-50-FC-IPB63.150	DIN69871-50	63.00 mm	2.756	5.91	-	5.157	IPB-63	11.020	2
DIN69871-50-FC-IPB80.62	DIN69871-50	80.00 mm	-	2.44	1.693	-	IPB-80	7.500	1
DIN69871-50-FC-IPB80.180	DIN69871-50	80.00 mm	3.149	7.09	-	6.338	IPB-80	15.210	2

Series IPB-DIN2080-A

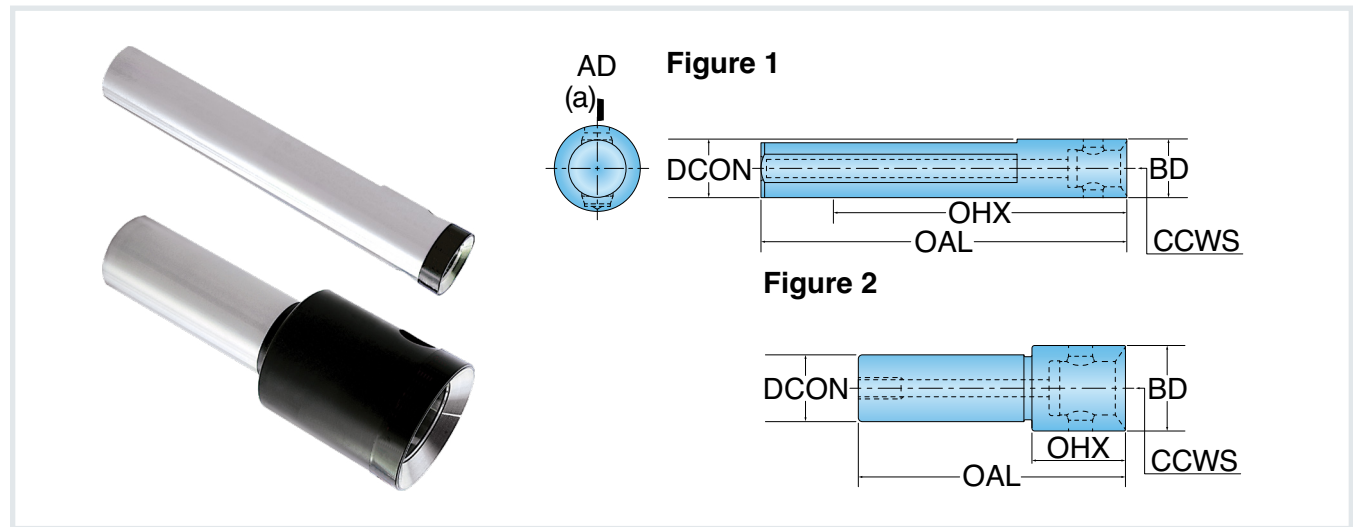
DIN SPINDLE ADAPTER



Part Number	CCMS Conn. Code Machine Side	CRKS Conn. Ret. Knob Thread Size	BD Body Diameter	LF Funct. Length	LB Body Length	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH							
DIN2080-A30-IPB50.58	NMTB30	M12	50.00 mm	2.28	-	MHD 50	1.320
DIN2080-A40-IPB50.48	NMTB40	M16	50.00 mm	1.89	1.440	MHD 50	1.980
DIN2080-A40-IPB63.60	NMTB40	M16	63.00 mm	2.36	-	MHD 63	2.640
DIN2080-A50-IPB50.48	NMTB50	M24	50.00 mm	1.89	1.290	MHD 50	5.730
DIN2080-A50-IPB63.56	NMTB50	M24	63.00 mm	2.20	1.610	MHD 63	5.950
DIN2080-A50-IPB80.60	NMTB50	M24	80.00 mm	2.36	1.770	MHD 80	7.050

Series IPB-SS - Steel Straight Shank

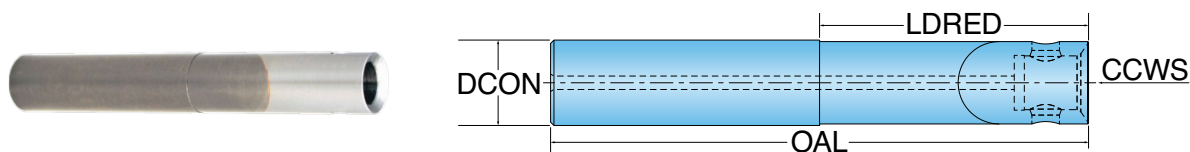
CYLINDRICAL OR FLATTED SHANK



Part Number	DCON Shank Diameter	BD Body Diameter	OAL Overall Length	OHX Overhang Max.	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)	Fig.
INCH							
SS-1-IPB32.35	1.000	1.260	3.937	1.38	IPB-32	1.540	2
SS-1.25-IPB50.60	1.250	1.968	5.512	2.36	IPB-50	2.200	2
METRIC							
SS-16-IPB16.100	16.00 mm	16.00 mm	100.0 mm	-	IPB-16	0.330	1
SS-20-IPB20.125	20.00 mm	20.00 mm	125.0 mm	-	IPB-20	0.660	1
SS-25-IPB32.35	25.00 mm	32.00 mm	100.0 mm	35.00 mm	IPB-32	1.540	2
SS-32-IPB50.60	32.00 mm	50.00 mm	140.0 mm	60.00 mm	IPB-50	2.200	2

Series IPB-SE - Carbide Shank

CYLINDRICAL SHANK



Part Number	DCON Shank Diameter	OAL Overall Length	LDRED Reduced Body Diameter Length	CCWS Conn. Code Wrkpc. Side	WT Weight (lbs)
INCH					
SE-5/8-IPB16.140	0.625	5.510	2.480	IPB-16	0.880
SE-5/8-IPB16.170	0.625	6.690	3.150	IPB-16	1.100
SE-3/4-IPB20.210	0.750	8.260	3.940	IPB-20	1.900
SE-1-IPB25.160	1.000	6.290	3.150	IPB-25	1.980
SE-1-IPB25.255	1.000	10.030	4.920	IPB-25	3.530
SE-1-1/4-IPB32.195	1.250	7.670	3.940	IPB-32	4.630
SE1-1/4-IPB32.315	1.250	12.400	6.300	IPB-32	7.720
METRIC					
SE-16-IPB16.110	16.00 mm	110.0 mm	50.0 mm	IPB-16	0.660
SE-16-IPB16.140	16.00 mm	140.0 mm	63.0 mm	IPB-16	0.880
SE-16-IPB16.170	16.00 mm	170.0 mm	80.0 mm	IPB-16	1.100
SE-20-IPB20.135	20.00 mm	135.0 mm	63.0 mm	IPB-20	1.320
SE-20-IPB20.170	20.00 mm	170.0 mm	80.0 mm	IPB-20	1.650
SE-20-IPB20.210	20.00 mm	210.0 mm	100.0 mm	IPB-20	1.980
SE-25-IPB25.160	25.00 mm	160.0 mm	80.0 mm	IPB-25	2.200
SE-25-IPB25.205	25.00 mm	205.0 mm	100.0 mm	IPB-25	2.870
SE-25-IPB25.255	25.00 mm	255.0 mm	125.0 mm	IPB-25	3.530
SE-32-IPB32.195	32.00 mm	195.0 mm	100.0 mm	IPB-32	4.630
SE-32-IPB32.250	32.00 mm	250.0 mm	125.0 mm	IPB-32	6.170
SE-32-IPB32.315	32.00 mm	315.0 mm	160.0 mm	IPB-32	7.720