

Milling Machine Arbors

Style A



- Style A with 23/32" x 1-3/4" pilots.
- Machined from high grade forging; have standard key ways and include arbor spacers and running bushings.

Arbor No.	Taper	Arbor Dia.	Length of Shoulder To nut	Dia. of Running Bushings	Dia. of Bushings Furnished	Order No.
30-7/8—A10-2	30	7/8"	10	1-5/8"	1	219-8332
31-A10-2	30	1"	10	1-5/8"	1	219-8336
31-1/4-A10-2	30	1-1/4"	10	1-7/8"	1	219-8338
40-7/8-A10	40	7/8"	10		None	219-8432
40-7/8-A16-3	40	7/8"	16	1-7/8"	1	219-8434
41-A8	40	1"	8		None	219-8436
41-A10	40	1"	10		None	219-8438
41-A12	40	1"		12"	None	219-8440
41-A16-3	40	1"	16	1-7/8"	1	219-8442
41-1/4-A8	40	1-1/4"	8		None	219-8444
41-1/4-A10	40	1-1/4"	10		None	219-8446
41-1/4-A12	40	1-1/4"	12		None	219-8448
41-1/4-A-16-3	40	1-1/4"	16	1-7/8"	1	219-8450
50-7/8-A10	50	7/8"	10		None	219-8532
50-7/8-A18-4	50	7/8"	18	2-1/8"	1	219-8534
51-A8	50	1"	8		None	219-8536
51-A12	50	1"	12	2-1/8"	None	219-8538
51-A18-4	50	1"	18		1	219-8540
51-1/4-A8	50	1-1/4"	8		None	219-8542
51-1/4-A12	50	1-1/4"	12		None	219-8544
51-1/4-A18-4	50	1-1/4"	18	2-1/8"	1	219-8546

Style B



- Style B without pilots.
- Machined from high grade forging; have standard key ways and include arbor spacers and running bushings.

Arbor No.	Taper	Arbor Dia.	Length of Shoulder To nut	Dia. of Running Bushings	Dia. of Bushings Furnished	Order No.
31-B2	30	1"	2"	None	None	219-9334
40-7/8-B14-3	40	7/8"	14	1-7/8"	1	219-9432
40-7/8-B16-3	40	7/8"	16	1-7/8"	1	219-9434
41-B3	40	1"	3"	None	None	219-9436
41-B14-3	40	1"	14	1-7/8"	1	219-9438
41-B20-3	40	1"	20	1-7/8"	1	219-9440
41-1/4-B3	40	1-1/4"	3"	None	None	219-9442
41-1/4-B14-3	40	1-1/4"	14	1-7/8"	1	219-9444
41-1/4-B20-3	40	1-1/4"	20	1-7/8"	1	219-9446
41-1/2-B10	40	1-1/2"	10	2-1/8"	None	219-9448
41-1/2-B20-4	40	1-1/2"	20	2-1/8"	1	219-9450
51-B3-1/2	50	1"	3-1/2"	None	None	219-9532
51-B15-4	50	1"	15	2-1/8"	1	219-9534
51-B18-4	50	1"	18	2-1/8"	2	219-9536
51-B24-4	50	1"	24	2-1/8"	2	219-9538
51-1/4-B3-1/2	50	1-1/4"	3-1/2"	None	None	219-9540
51-1/4-B15-4	50	1-1/4"	15	2-1/8"	1	219-9542
51-1/4-B18-4	50	1-1/4"	18	2-1/8"	2	219-9544
51-1/4-B24-4	50	1-1/4"	24	2-1/8"	2	219-9546
51-1/4-B30-4	50	1-1/4"	30	2-1/8"	2	219-9548
51-1/2-B3-1/2	50	1-1/2"	3-1/2"	None	None	219-9550
51-1/2-B18-4	50	1-1/2"	18	2-1/8"	2	219-9552
51-1/2-B24-5	50	1-1/2"	24	2-3/4"	2	219-9554
51-1/2-B30-5	50	1-1/2"	30	2-3/4"	2	219-9556
51-1/2-B36-5	50	1-1/2"	36	2-3/4"	2	219-9558
52-B24-5	50	2"	24	2-3/4"	2	219-9560
52-B30-5	50	2"	30	2-3/4"	2	219-9562
52-B36-5	50	2"	36	2-3/4"	2	219-9564
52-1/2-B36-6	50	2-1/2"	36	3-3/8"	2	219-9566

Arbor Spacers with Keyways



Spacer Width	7/8" Hole and 1-3/8" Outside Dia.	1" Hole and 1-1/2" Outside Dia.	1-1/4" Hole and 1-3/4" Outside Dia.	1-1/2" Hole and 2-1/8" Outside Dia.	2" Hole and 2-3/4" Outside Dia.
1/16"	219-8110	219-8210	219-8710	219-8810	219-8910
3/32"	219-8112	219-8212	219-8712	219-8812	219-8912
1/8"	219-8114	219-8214	219-8714	219-8814	219-8914
3/16"	219-8116	219-8216	219-8716	219-8816	219-8916
1/4"	219-8118	219-8218	219-8718	219-8818	219-8918
5/16"	219-8120	219-8220	219-8720	219-8820	219-8920
3/8"	219-8122	219-8222	219-8722	219-8822	219-8922
7/16"	219-8124	219-8224	219-8724	219-8824	219-8924
1/2"	219-8126	219-8226	219-8726	219-8826	219-8926
5/8"	219-8128	219-8228	219-8728	219-8828	219-8928
3/4"	219-8130	219-8230	219-8730	219-8830	219-8930
7/8"	219-8132	219-8232	219-8732	219-8832	219-8932
1"	219-8134	219-8234	219-8734	219-8834	219-8934
1-1/4"	219-8136	219-8236	219-8736	219-8836	219-8936
1-1/2"	219-8138	219-8238	219-8738	219-8838	219-8938
2"	219-8140	219-8240	219-8740	219-8840	219-8940
3"	219-8142	219-8242	219-8742	219-8842	219-8942

Arbor Running Bushings with Keyways

For Style A and Style B milling machine arbors



Arbor Dia.	Outside Dia.	Length	Order No.	Arbor Dia.	Outside Dia.	Length	Order No.
7/8"	1-5/8"	2-5/8"	219-8652	1-1/4"	2-1/8"	3-3/4"	219-8668
1"	1-5/8"	2-5/8"	219-8654	1-1/2"	2-1/8"	3-3/4"	219-8670
1-1/4"	1-7/8"	2-5/8"	219-8656	1-1/2"	2-3/4"	4-1/4"	219-8672
7/8"	1-7/8"	3-1/8"	219-8658	1-1/4"	2-3/4"	4-1/4"	219-8674
1"	1-7/8"	3-1/8"	219-8660	1-1/2"	2-3/4"	4-1/4"	219-8676
1-1/4"	1-7/8"	3-1/8"	219-8662	1-1/2"	2-3/4"	4-1/4"	219-8678
7/8"	2-1/8"	3-3/4"	219-8664	1-1/4"	2-3/4"	4-1/4"	219-8680
1"	2-1/8"	3-3/4"	219-8666	1-1/2"	3-3/8"	4-1/4"	219-8682

Nuts

For milling machine arbors



Arbor Dia.	Thread	Right Hand Order No.	Left Hand Order No.
7/8"	7/8-14RH	219-8632	219-8602
1"	1-14RH	219-8634	219-8604
1-1/4"	1-1/4-12RH	219-8636	219-8606
1-1/2"	1-1/2-12 RH	219-8638	219-8608
2"	2-12RH	219-8640	219-8610
2-1/2"	2-1/2-12RH	219-8642	219-8612

Straight Shank Stub Milling Machine Arbors

- For holding saws or small cutters.
- These arbors are designed and made to fit directly into standard End Mill Adapters. Sets include spacers and nut.
- Arbors furnished with standard key ways and L.H. arbor nut.
- Lengths of shoulder to nut are 1"
- Hardened and ground.



Dia. Of Straight Shank	Arbor Dia.	Length of Shoulder to Nut	Order No.
1/2"	1/2"	1"	210-3800
1/2"	5/8"	1"	210-3801
1/2"	3/4"	1"	210-3802
3/4"	1/2"	1"	210-3803
3/4"	5/8"	1"	210-3804
3/4"	3/4"	1"	210-3805
3/4"	7/8"	1"	210-3806
3/4"	1"	1"	210-3807
3/4"	1-1/4"	1"	210-3808

Stub Milling Machine Arbors

- Adjust the washer to hold the end mills according to your various needs.



Shank	End Mill Dia.	Order No.
R8	22mm	210-2208
MT2	22mm	210-2212
MT3	22mm	210-2213
MT4	22mm	210-2214
MT5	22mm	210-2215
R8	27mm	210-2218
MT2	27mm	210-2222
MT3	27mm	210-2223
MT4	27mm	210-2224
MT5	27mm	210-2225

Shank	Arbor Dia.	Length of Shoulder to Nut	Order No.
R8	1 "	2 "	210-2108
MT2	1 "	2 "	210-2112
MT3	1 "	2 "	210-2113
MT4	1 "	2 "	210-2114
MT5	1 "	2 "	210-2115
R8	1-1/4"	2 "	210-2118
MT2	1-1/4"	2 "	210-2122
MT3	1-1/4"	2 "	210-2123
MT4	1-1/4"	2 "	210-2124
MT5	1-1/4"	2 "	210-2125
30	1 "	1-1/2"	210-2130
30	1-1/4"	1-3/4"	210-2133
40	1 "	1-1/2"	210-2140
40	1-1/4"	1-3/4"	210-2144
50	1 "	1-1/2"	210-2150
50	1-1/4"	1-3/4"	210-2155

30-40-50 to Morse Taper Adaptors

ANSI, BS & Metric



Outside Taper	Inside Taper	Overall Length	Drawbar Thread	Order No.	Drawbar Thread	Metric Order No.	Drawbar Thread	BS Order No.
30	MT1	118mm	1/2"-13	214-7300	M12	214-7700		
30	MT2	118mm	1/2"-13	214-7305	M12	214-7705	1/2 BSW	214-7605
30	MT3	138mm	1/2"-13	214-7310	M12	214-7710	1/2 BSW	214-7610
30	MT4	212mm	1/2"-13	214-7315	M12	214-7715		
40	MT1	143mm	5/8"-11	214-7320	M16	214-7720		
40	MT2	143mm	5/8"-11	214-7325	M16	214-7725	5/8 BSW	214-7625
40	MT3	158mm	5/8"-11	214-7330	M16	214-7730	5/8 BSW	214-7630
40	MT4	188mm	5/8"-11	214-7335	M16	214-7735	5/8 BSW	214-7635
40	MT5	273mm	5/8"-11	214-7340	M16	214-7740		
50	MT1	172mm	1"-8	214-7345	M24	214-7745		
50	MT2	187mm	1"-8	214-7350	M24	214-7750		
50	MT3	192mm	1"-8	214-7355	M24	214-7755		
50	MT4	197mm	1"-8	214-7360	M24	214-7760		
50	MT5	232mm	1"-8	214-7365	M24	214-7765		

Drift Keys

Drop Forged

Removes taper shank drills or reamers
From sleeves or sockets quickly



Size	Fits Mt. Sleeves and Sockets	Overall Length	ThickNess	Width at Hole	Order No.
1	MT1	4-1/2"	13/64"	11/16"	292-6220
2	MT2	4-1/8"	1/4"	13/16"	292-6225
3	MT3	6-3/4"	5/16"	1-1/16"	292-6230
4	MT4, MT5, MT6	7-1/8"	15/32"	1-1/8"	292-6235
4pcs/set includes: #1, #2, #3 & #4MT					392-6240

Half Automatic Mores Shank Pullers

DIN 318



The morse shank can easy to be pulled off by the half-automatic morse shank puller operation quickly, saving time and pressure.

MS. NO	Order No.
MS1, MS2, MS3	292-6211
MS4, MS5, MS6	292-6212