

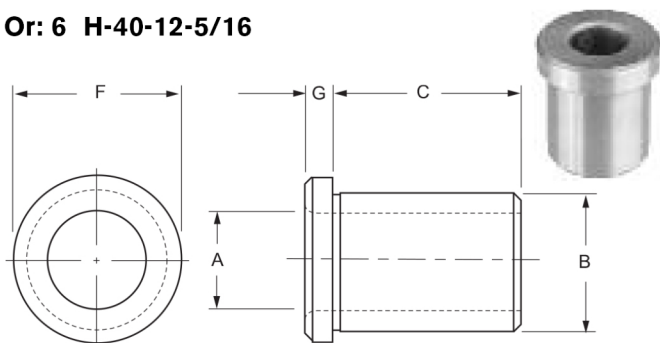
HEAD PRESS FIT - TYPE H

When ordering specify:

Example:

Quantity	Bushing Type	I.D.(A)	O.D.(B)	Length(C)
6	H	5/16	5/8	3/4

Or: 6 H-40-12-5/16



ANSI HEAD PRESS FIT HEAD DIMENSIONS

BODY O.D. B	HEAD DIMENSION				
	F	G	BODY O.D. B	F	G
5/32	1/4	3/32	5/8	51/64	7/32
13/64	19/64	3/32	3/4	59/64	7/32
1/4	23/64	3/32	7/8	1-7/64	1/4
5/16	27/64	1/8	1	1-15/64	5/16
3/8	1/2	3/32	1-1/4	1-1/2	1/4
13/32	1/2	5/32	1-3/8	1-39/64	3/8
7/16	9/16	3/32	1-3/4	1-63/64	3/8
1/2	39/64	7/32	2-1/4	2-31/64	3/8
9/16	11/16	3/32			

A I.D. RANGE Drill Size Decimal Range	B O.D. TOLERANCE Nominal GROUND UNGROUND DIGITAL RANGE		C	ANSI SYMBOL ‡	PRICE CODE
#80 - #70 (.0135 - .0280) .35 - .70mm	5/32 .1578 .171 .1575 .169		1/4	H-10-4	209
			5/16	H-10-5	211
			*3/8	H-10-6	215
			*1/2	H-10-8	217
#69 - 3/64 (.0292 - .0469) .75 - 1.25mm	5/32 .1578 .171 .1575 .169		1/4	H-10-4	193
			5/16	H-10-5	195
			*3/8	H-10-6	199
			*1/2	H-10-8	202
			*3/4	H-10-12	214
#55 - 1/16 (.0520 - .0625) 1.30 - 1.60mm	5/32 .1578 .171 .1575 .169		1/4	H-10-4	171
			5/16	H-10-5	173
			3/8	H-10-6	174
			*1/2	H-10-8	175
			*3/4	H-10-12	186
#80 - #70 (.0135 - .0280) .35 - .70mm	13/64 .2046 .219 .2043 .216		1/4	H-13-4	209
			5/16	H-13-5	211
			*3/8	H-13-6	215
			*1/2	H-13-8	217
#69 - 3/64 (.0292 - .0469) .75 - 1.25mm	13/64 .2046 .219 .2043 .216		1/4	H-13-4	193
			5/16	H-13-5	195
			*3/8	H-13-6	199
			*1/2	H-13-8	202
			*3/4	H-13-12	214
#55 - 1/16 (.0520 - .0625) 1.30 - 1.60mm	13/64 .2046 .219 .2043 .198		1/4	H-13-4	171
			5/16	H-13-5	173
			3/8	H-13-6	174
			*1/2	H-13-8	175
			*3/4	H-13-12	186
			*1	H-13-16	200
#52 - #39 (.0635 - .0995) 1.65 - 2.50mm	13/64 .2046 .219 .2043 .198		1/4	H-13-4	132
			5/16	H-13-5	133
			3/8	H-13-6	136
			*1/2	H-13-8	138
			*3/4	H-13-12	147
			*1	H-13-16	165

A I.D. RANGE Drill Size Decimal Range	B O.D. TOLERANCE Nominal GROUND UNGROUND DIGITAL RANGE		C	ANSI SYMBOL ‡	PRICE CODE
#40 - 9/64 (.0980 - .1406) 2.50 - 3.50mm	.2516 .2513	1/4 .265 .260	1/4	H-16-4	125
			5/16	H-16-5	128
			3/8	H-16-6	131
			*1/2	H-16-8	132
			*5/8	H-16-10	138
			*3/4	H-16-12	145
			*1	H-16-16	163
			*1-3/8	H-16-22	199
			*1-1/2	H-16-24	208
1/8 - #10 (.1250 - .1935) 3.20 - 4.90mm	.3141 .3138	5/16 .327 .322	1/4	H-20-4	115
			5/16	H-20-5	118
			3/8	H-20-6	121
			1/2	H-20-8	122
			5/8	H-20-10	123
			3/4	H-20-12	124
			*1	H-20-16	133
			*1-3/8	H-20-22	170
			*1-1/2	H-20-24	183
#10 - #1 (.1935 - .2280) 4.90 - 5.80mm	.3766 .3763	3/8 .390 .385	1/4	H-24-4	113
			5/16	H-24-5	115
			3/8	H-24-6	117
			1/2	H-24-8	118
			5/8	H-24-10	120
			3/4	H-24-12	121
			*1	H-24-16	130
3/16 - F (.1875 - .2570) 4.75 - 6.50mm	.4078 .4075	13/32 .421 .416	1/4	H-26-4	113
			5/16	H-26-5	114
			3/8	H-26-6	117
			1/2	H-26-8	118
			3/4	H-26-12	121
			*1	H-26-16	130
			*1-3/8	H-26-22	136
			*1-1/2	H-26-24	143
			*1-3/4	H-26-28	150

* Counterbored leaving correct drill bearing length and chip clearance.

‡ All bushings are finish ground unless the letter "U" appears with the bushing type or the ANSI symbol.

HEAD PRESS FIT - TYPE H

A I.D. RANGE Drill Size Decimal Range	B O.D. TOLERANCE Nominal GROUND UNGROUND DIGITAL RANGE	C	ANSI SYMBOL †	PRICE CODE
A - L (.2340 - .2900) 5.90 - 7.40mm	7/16 .4392 .453 .4389 .448	1/4	H-28-4	113
		5/16	H-28-5	115
		3/8	H-28-6	117
		1/2	H-28-8	118
		5/8	H-28-10	120
		3/4	H-28-12	121
		*1	H-28-16	130
3/16 - 0 (.1875 - .3160) 4.75 - 8.00mm	1/2 .5017 .518 .5014 .511	1/4	H-32-4	113
		5/16	H-32-5	114
		3/8	H-32-6	117
		1/2	H-32-8	118
		3/4	H-32-12	121
		*1	H-32-16	130
		*1-3/8	H-32-22	136
		*1-1/2	H-32-24	143
M - 11/32 (.2950 - .3437) 7.50 - 8.75mm	9/16 .5642 .580 .5639 .575	*1-3/4	H-32-28	150
		1/4	H-36-4	117
		5/16	H-36-5	113
		3/8	H-36-6	115
		1/2	H-36-8	115
		5/8	H-36-10	117
		3/4	H-36-12	117
		1	H-36-16	121
5/16 - 7/16 (.3125 - .4375) 7.90 - 13.50mm	5/8 .6267 .640 .6264 .637	1/4	H-40-4	117
		5/16	H-40-5	113
		3/8	H-40-6	114
		1/2	H-40-8	114
		5/8	H-40-10	117
		3/4	H-40-12	117
		1	H-40-16	121
		1-3/8	H-40-22	136
		1-1/2	H-40-24	140
		1-3/4	H-40-28	145
		2-1/8	H-40-34	154
5/16 - 17/32 (.3125 - .5312) 7.90 - 13.50mm	3/4 .7518 .768 .7515 .763	1/4	H-48-4	121
		5/16	H-48-5	115
		3/8	H-48-6	117
		1/2	H-48-8	117
		5/8	H-48-10	119
		3/4	H-48-12	121
		1	H-48-16	125
		1-1/4	H-48-20	138
		1-3/8	H-48-22	138
		1-1/2	H-48-24	141
		1-3/4	H-48-28	146
		2-1/8	H-48-34	156

A I.D. RANGE Drill Size Decimal Range	B O.D. TOLERANCE Nominal GROUND UNGROUND DIGITAL RANGE	C	ANSI SYMBOL †	PRICE CODE
1/2 - 21/32 (.5000 - .6562) 12.50 - 16.50mm	7/8 .8768 .890 .8765 .888	1/2	H-56-8	126
		5/8	H-56-10	126
		3/4	H-56-12	127
		1	H-56-16	130
		1-1/4	H-56-20	135
		1-3/8	H-56-22	135
		1-1/2	H-56-24	141
		1-3/4	H-56-28	149
		2-1/8	H-56-34	156
		2-1/2	H-56-40	172
1/2 - 49/64 (.5000 - .7656) 12.50 - 19.50mm	1 1.0018 1.018 1.0015 1.013	1/2	H-64-8	128
		3/4	H-64-12	128
		1	H-64-16	132
		1-3/8	H-64-22	136
		1-1/2	H-64-24	147
		1-3/4	H-64-28	153
		2-1/8	H-64-34	166
		2-1/2	H-64-40	181
		3	H-64-48	230
55/64 - 15/16 (.8595 - .9375) 22.00 - 24.00mm	1-1/4 1.2520 1.270 1.2517 1.265	5/8	H-80-10	153
		3/4	H-80-12	151
		1	H-80-16	158
		1-1/4	H-80-20	166
		1-1/2	H-80-24	174
		1-3/4	H-80-28	181
		2	H-80-32	192
5/8-1-1/32 (.6250 - 1.0312) 16.00 - 26.00mm	1-3/8 1.3772 1.395 1.3768 1.390	1/2	H-88-8	159
		3/4	H-88-12	152
		1	H-88-16	160
		1-3/8	H-88-22	168
		1-1/2	H-88-24	175
		1-3/4	H-88-28	182
		2-1/8	H-88-34	195
		2-1/2	H-88-40	210
		3	H-88-48	246
1-1-25/64 (1.0000 - 1.3906) 26.00 - 35.00mm	1-3/4 1.7523 1.770 1.7519 1.765	3/4	H-112-12	187
		1	H-112-16	177
		1-3/8	H-112-22	187
		1-1/2	H-112-24	191
		1-3/4	H-112-28	196
		2-3/8	H-112-34	212
		2-1/8	H-112-40	224
		3	H-112-48	258
1-3/8-1-49/64 (1.3750 - 1.7656) 35.00 - 45.00mm	2-1/4 2.2525 2.270 2.2521 2.265	1	H-144-16	205
		1-3/8	H-144-22	219
		1-1/2	H-144-24	223
		1-3/4	H-144-28	233
		2	H-144-32	243
		2-1/4	H-144-36	250
		3	H-144-48	268

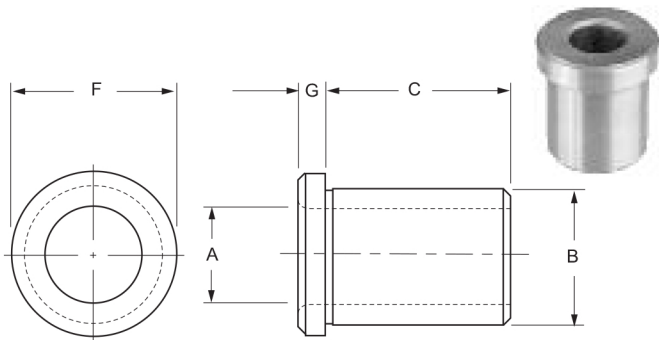
EXTENDED RANGE HEAD PRESS FIT - TYPE H

When ordering specify:

Example:

Quantity	Bushing Type	I.D.(A)	O.D.(B)	Length(C)
6	H	1-5/16	2-5/8	1-3/4

Or: 6 H-152-28-1-15/16



TYPE H (UNGROUND OD)

BODY O.D.	ACTUAL DIMENSION				
	FROM	TO	BODY O.D.	FROM	TO
2-3/8	2.395	2.390	3-3/4	3.770	3.765
2-1/2	2.520	2.515	4	4.020	4.015
2-3/4	2.770	2.765	4-1/4	4.270	4.265
3	3.020	3.015	4-3/8	4.395	4.390
3-1/4	3.270	3.265	4-1/2	4.520	4.515
3-3/8	3.395	3.390	4-3/4	4.770	4.765
3-1/2	3.520	3.515	5	5.020	5.015

NOTE: All bushings are finish ground unless the letter "U" appears with the bushing type or ANSI symbol.

All extended range bushings are considered special orders and are non-returnable.

I.D. RANGE	.0003 to .0007	1.5000 to 2.0000	1.5000 to 2.1250	1.5000 to 2.3750	1.7500 to 2.5000	2.2500 to 2.7500	2.2500 to 2.8750	2.5000 to 3.0000	2.5000 to 3.1250	2.7500 to 3.3750	3.0000 to 3.6250	3.0000 to 3.7500	3.3750 to 3.8750	3.3750 to 4.1250	3.6250 to 4.2500
O.D. RANGE (B)	NOM.	2-3/8	2-1/2	2-3/4	3	3-1/4	3-3/8	3-1/2	3-3/4	4	4-1/4	4-3/8	4-1/2	4-3/4	5
DEC. RANGE		2.3775 to 2.3771	2.5025 to 2.5021	2.7525 to 2.7521	3.0028 to 3.0023	3.2528 to 3.2523	3.3778 to 3.3773	3.5028 to 3.5023	3.7528 to 3.7523	4.0028 to 4.0023	4.2530 to 4.2525	4.3780 to 4.3775	4.5030 to 4.5025	4.7530 to 4.7525	5.0030 to 5.0025
LENGTH (C)	ANSI CODE	152	160	176	192	208	216	224	240	256	272	280	288	304	320
3/4	12	308	309	336	341	368	369	372	376	*	*	*	*	*	*
1	16	311	313	339	344	370	371	373	380	*	*	*	*	*	*
1-1/4	20	314	316	341	348	371	373	379	386	*	*	*	*	*	*
1-1/2	24	320	321	343	351	373	375	384	393	*	*	*	*	*	*
1-3/4	28	323	324	345	354	376	378	390	401	*	*	*	*	*	*
2	32	326	328	350	359	379	380	397	408	*	*	*	*	*	*
2-1/8	34	328	330	352	-	-	-	-	-	-	-	-	-	-	-
2-1/4	36	333	335	354	363	384	386	404	415	*	*	*	*	*	*
2-1/2	40	336	337	359	368	388	390	411	421	*	*	*	*	*	*
2-3/4	44	344	346	362	378	393	395	420	427	*	*	*	*	*	*
3	48	358	360	366	380	398	399	427	435	*	*	*	*	*	*
3-1/4	52	361	363	370	386	402	403	435	443	*	*	*	*	*	*
3-1/2	56	365	367	374	389	405	407	447	452	*	*	*	*	*	*
3-3/4	60	367	369	377	391	410	411	456	460	*	*	*	*	*	*
4	64	370	372	380	396	414	415	464	469	*	*	*	*	*	*
4-1/4	68	374	376	384	403	418	420	471	477	*	*	*	*	*	*
4-1/2	72	378	380	388	418	421	422	479	486	*	*	*	*	*	*
4-3/4	76	380	383	393	422	426	428	482	494	*	*	*	*	*	*
5	80	385	388	419	429	432	434	493	502	*	*	*	*	*	*
5-1/2	88	-	-	-	-	-	442	500	517	*	*	*	*	*	*
6	96	-	-	-	-	-	-	-	532	*	*	*	*	*	*
6-1/2	104	-	-	-	-	-	-	-	-	*	*	*	*	*	*
7	112	-	-	-	-	-	-	-	-	-	-	*	*	*	*
HEAD F		2-3/4	2-3/4	3	3-1/4	3-1/2	3-5/8	3-7/8	4-1/8	4-3/8	4-5/8	4-3/4	4-7/8	5-1/8	5-3/8
HEAD G		3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

*- Priced upon request