

# TECHNICAL MANUAL



## PHILLIPS® II Drive Systems

Includes comprehensive engineering Head Standards, Drive Bit Standards, Gage Standards, and Punch Standards.



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# PHILLIPS® II

# Drive System Technical Manual



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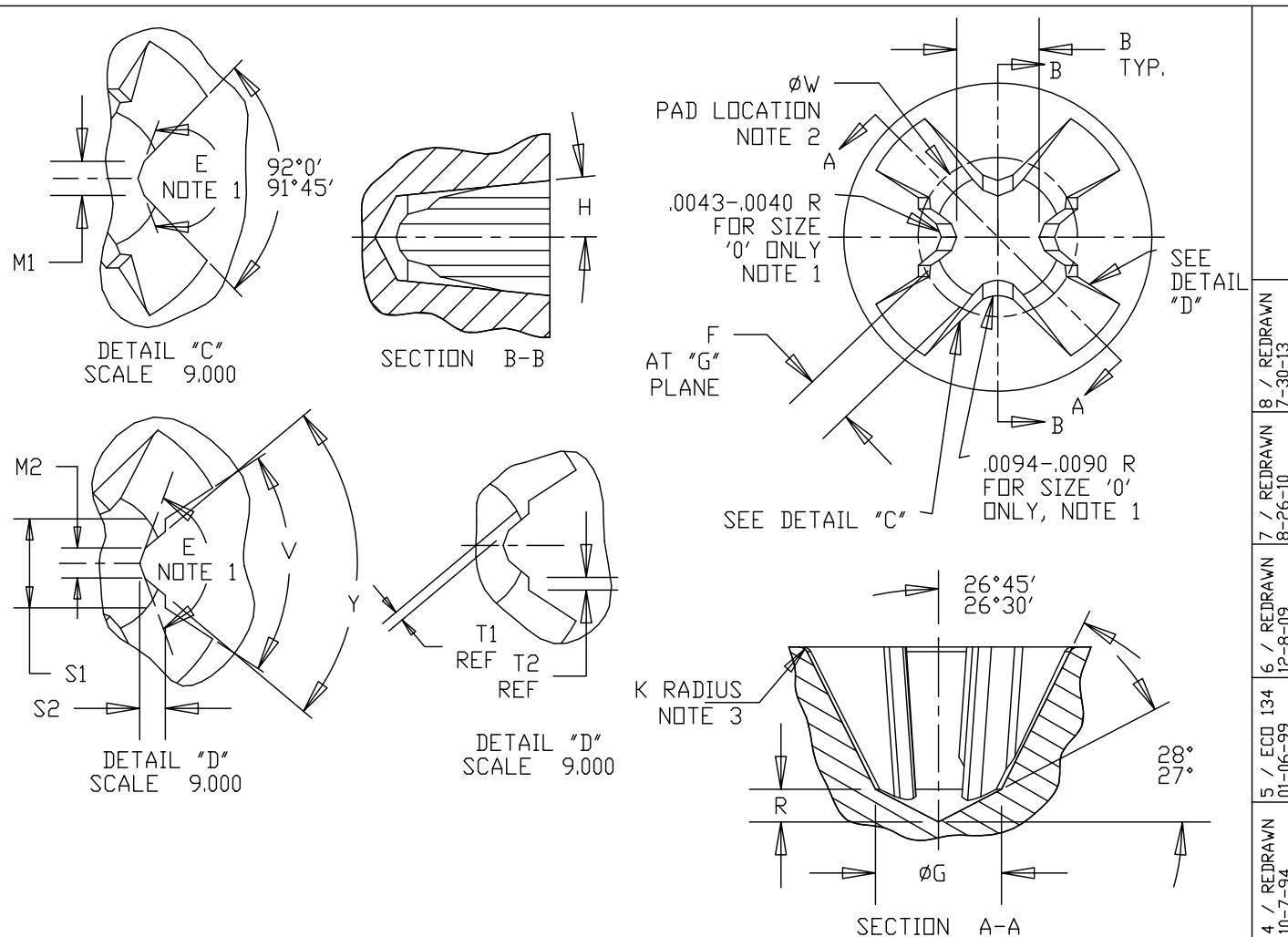
# **PHILLIPS II® ANTI-CAM-OUT ENGINEERING MANUAL**

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DRIVE SIZE	B	E +0°0' -0°15'	F	$\phi G$ +.002 -.000	H +0°15' -0°00'	K RAD	M1	M2	R REF	$\phi W$	T1 REF	T2 REF	S1	S2	V +0°0' -0°30'	Y +0°0' -0°30'			
0	.0245 .0240	- .0133	.0138 .0260	.032 .050	7°00' 7°00'	.007 MAX .0125	.0130 .0073	.0060 .0065	.009 .013	.036 .068	.0015 .0035	.0010 .0046	.0022 .0029	.0171 .012	.005 .012	92°00' 70°00'	91°45' 80°15'		
1	.0380 .0370	138°0' 138°0'	.0260 .050	.050	7°00'	.020	.0073 .0052	.0065 .0045	.013	.039 .074	.0010 .0035	.0010 .0046	.0022 .0029	.0161 .0315	.004 .0315	.004 .010	92°00' 70°00'	91°45' 80°15'	
2	.0588 .0568	140°0' 140°0'	.0355 .0330	.090	5°45'	.025	.0236 .0216	.0190 .0170	.024	.108 .118	.0063 .0082	.0082 .0058	.0076 .0076	.0575 .0970	.017 .023	.0555 .0950	.015 .021	69°39' 69°39'	80°15' 80°15'
3	.0960 .0940	146°0' 146°0'	.0430 .0400	.150	5°45'	.030	.0583 .0563	.0605 .0585	.040	.172 .182	.0058 .0058	.0058 .0076	.0076 .0076	.0970 .0950	.023 .021	.023 .021	69°39' 69°39'	80°15' 80°15'	
4	.1380 .1360	153°0' 153°0'	.0560 .0530	.200	7°00'	.035	.0845 .0825	.0900 .0880	.053	.245 .255	.0062 .0105	.0081 .0137	.1350 .2220	.029 .039	.1330 .2200	.027 .037	69°39' 69°39'	80°15' 80°15'	
5	.2280 .2260	162°46' 162°46'	.0780 .0750	.311	7°00'	.040	.1464 .1444	.1500 .1480	.083	.393 .408	.0105 .0105	.0137 .0137	.2220 .2200	.039 .037	.2200 .2200	.037 .037	69°39' 69°39'	80°15' 80°15'	
6	.2770 .2750	157°57' 157°57'	.1055 .1025	.374	7°00'	.055	.1636 .1616	.1770 .1750	.099	.478 .493	.0092 .0092	.0120 .0120	.2560 .2540	.051 .049	.2540 .2540	.049 .049	69°39' 69°39'	80°15' 80°15'	

NOTES:

1. INCLUDED WING ANGLE AND ANGLE "E" OR RADIUS "R" ARE TO BE MEASURED NORMAL TO ANGLE "H".

2. PAD LOCATION DETERMINED BY "W" DIAMETER, NOT LATERAL DISTANCE FROM CENTER.

ØW IS MEASURED FROM WHERE THE PAD BREAKS THROUGH THE OUTER WING SURFACE.

3. RADIUS SHOWN OCCURS ALONG THE ENTIRE PERIPHERAL EDGE OF THE RECESS.

4. HEAD MARKINGS SHALL BE PER PSC-790 UNLESS OTHERWISE SPECIFIED.

5. THIS PRODUCT IS COVERED BY U.S. PATENT NUMBER 6,601,482 B2 AND 6,786,827 B2.

REVISION 1 / ECO 101 2 / ECO 108 3 / ECO 108 4 / REDRAWN 5 / ECO 134 6 / REDRAWN 7 / REDRAWN 8 / REDRAWN  
9-11-92 6-24-93 5-25-94 10-7-94 01-06-99 12-8-09 8-26-10 7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT RECESS DIMENSIONS

DRAWN G.DILLING DATE 8-5-08

CHECKED: G.DILLING DATE 12-8-09

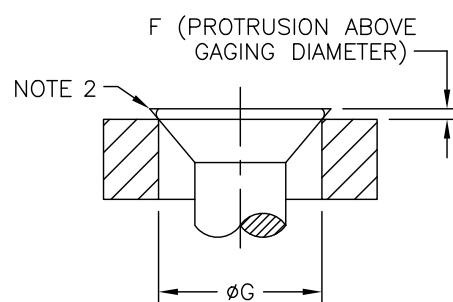
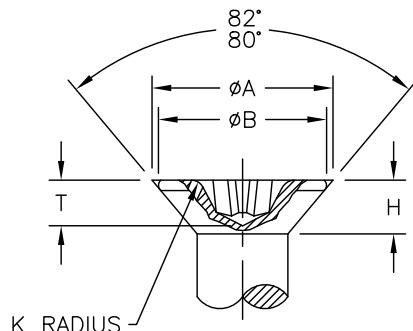
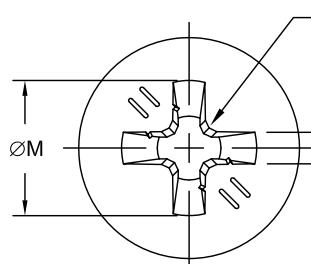
DRAWING NUMBER

**PSC-779A**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
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PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS			RECESS DIMENSIONS					GAGING NOTE 4		LENGTH			DRIVER SIZE	
WOOD	MACH. & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H NOTE 5	ØM	T	K REF.	N MIN.	PENETRATION MAX.	PENETRATION MIN.	ØG	F	MACH. NOTE 1	TAPPING	TYPE A NOTE 1	OTHERS NOTE 1
0	0	0	00B 4	.119 .105	.099 .026	.035 .055	.068 .027	.043	.010	.015	.036	.020	.078	.026 .016	.125	.188	.125	0
1	1	1	00B 5	.146 .130	.123 .033	.043 .063	.076 .035	.051	.010	.016	.044	.028	.101	.016 .016	.125	.188	.156	
2	2	2	10B 1	.172 .156	.147 .040	.051 .089	.102 .047	.063	.020	.027	.056	.040	.124	.029 .017	.125	.188	.188	
3	3	3	10B 2	.199 .181	.171 .048	.059 .094	.107 .052	.068	.020	.028	.061	.045	.148	.031 .018	.125	.219	.219	1
4	4	4	10B 3	.225 .207	.195 .055	.067 .115	.128 .073	.089	.020	.031	.082	.066	.172	.032 .019	.188	.250	.250	
5	5	5	20B 1	.252 .232	.220 .062	.075 .141	.154 .063	.086	.025	.032	.075	.052	.196	.034 .020	.188	.250	.250	
6	6	6	20B 2	.279 .257	.244 .069	.083 .161	.174 .083	.106	.025	.034	.095	.072	.220	.036 .021	.188	.313	.313	
-	7	7	20B 6	.305 .283	.268 .283	.091 .076	.182 .176	.114	.025	.035	.103	.080	.243	.037 .022	.250	.375	.375	2
7	-	-	20B 3	.305 .283	.268 .283	.091 .076	.189 .176	.121	.025	.035	.110	.087	-	-	-	-	-	
-	8	8	20B 3	.332 .308	.292 .292	.100 .084	.189 .191	.121	.025	.035	.110	.087	.267	.039 .023	.250	.438	.438	
8	-	-	20B 4	.332 .308	.292 .292	.100 .084	.204 .191	.136	.025	.037	.125	.102	-	-	-	-	-	
9	-	-	20B 5	.358 .334	.316 .291	.108 .091	.214 .201	.146	.025	.038	.135	.087	-	-	-	-	-	
-	10	10	20B 4	.385 .359	.340 .340	.116 .116	.204 .191	.136	.025	.037	.125	.102	.313	.042 .025	.313	.500	.500	
10	-	-	30B 1	.385 .359	.340 .098	.116 .191	.204 .191	.136	.025	.037	.125	.102	-	-	-	-	-	
-	12	12	30B 2	.438 .410	.389 .389	.132 .132	.268 .255	.156 .133	.030	.046	.139	.116	.362	.045 .027	.375	.563	.563	
12	-	-	30B 3	.438 .410	.389 .389	.132 .112	.268 .255	.156 .133	.030	.046	.139	.116	-	-	-	-	-	
-	1/4	-	30B 3	.507 .477	.452 .452	.153 .153	.283 .270	.171 .148	.030	.048	.154	.131	.424	.050 .029	.438	-	.625	3
-	-	14	30B 3	.491 .461	.437 .437	.148 .148	.283 .270	.171 .148	.030	.048	.154	.131	.410	.049 .029	-	.625	-	
14	-	-	30B 4	.491 .461	.437 .437	.148 .127	.303 .290	.191 .168	.030	.050	.174	.151	-	-	-	-	-	
-	-	16	30B 4	.544 .512	.485 .485	.164 .164	.303 .290	.191 .168	.030	.050	.174	.151	.457	.052 .031	-	.750	-	
16	-	-	30B 5	.544 .512	.485 .485	.164 .141	.328 .315	.216 .193	.030	.053	.199	.176	-	-	-	-	-	

NOTES:

1. THESE LENGTHS AND SHORTER ARE STANDARD WITH UNDERCUT HEAD. (SEE P2HS1B FOR DETAILS) AND ARE NOT APPLICABLE TO WOOD SCREWS.
2. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
3. RECESS PER PSC-779A.
4. PROTRUSION CAGING NOT APPLICABLE TO WOOD SCREWS.
5. THE "H" MAX VALUE TO BE USED AS REF. FOR MACHINE AND ALL TAPPING SCREWS, "H" MIN/MAX VALUES ARE FOR WOOD SCREWS ONLY.

REVISION 1 / UPDATED 2 / UPDATED  
10-19-01 7-30-13

TITLE:

## PHILLIPS II® ANTI-CAM-OUT FLAT HEAD SCREW

DRAWN:  
G. LaMONICA

DATE:  
11-11-97

DRAWING NUMBER

**P2HS-1A**

SHEET 1 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
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SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS			RECESS DIMENSIONS					GAGING NOTE 4		LENGTH			DRIVER SIZE
WOOD	MACH. & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H NOTE 5	ØM	T	K REF.	N MIN.	PENETRATION		MACH. NOTE 1	TAPPING		TYPE A NOTE 1	OTHERS NOTE 1
											MAX.	MIN.	ØG	F			
-	5/16	-	40B	4	.635 .600	.568 .191	.364 .351	.216 .194	.035	.071	.196	.174	.539 .057 .034	.500	-	.625	4
-	-	18		4	.597 .563	.534 .180	.364 .351	.216 .194	.035	.071	.196	.174	.505 .055 .033		.813		
18	-	-		1	.597 .563	.534 .155	.380 .365	.230 .208	.035	.073	.210	.188	-	-	-	-	
-	-	20		1	.650 .614	.582 .196	.378 .365	.230 .208	.035	.073	.210	.188	.553 .058 .035	-	.813	-	
20	-	-		2 330	.650 .614	.582 .170	.393 .380	.245 .223	.035	.075	.225	.203	-	-	-	-	
-	-	24		2 330	.756 .716	.679 .228	.393 .380	.245 .223	.035	.075	.225	.203	.648 .065 .039	-	1.000	-	
24	-	-		3 331	.756 .716	.679 .198	.424 .411	.276 .254	.035	.079	.256	.234	-	-	-	-	
-	3/8	-		2 330	.762 .722	.685 .230	.393 .380	.245 .223	.035	.075	.225	.203	.653 .065 .039	.563	-	.625	
-	7/16	-		5	.812 .767	.723 .223	.409 .396	.261 .239	.035	.077	.241	.219	.690 .073 .044	.625	-	.750	
-	1/2	-		3 331	.875 .825	.775 .223	.424 .411	.276 .254	.035	.079	.256	.234	.739 .081 .049	.750	-	.750	
-	9/16	-		141	1.000 .945	.889 .260	.448 .435	.300 .278	.035	.082	.280	.258	.851 .089 .053	-	-	-	
-	5/8	-		50B 3	1.125 1.065	1.002 .278	.577 .554	.342 .315	.040	.106	.309	.283	.962 .097 .058	-	-	-	5
-	3/4	-		50B 4	1.375 1.305	1.230 .372	.640 .617	.406 .380	.040	.116	.373	.347	1.186 .112 .067	-	-	-	

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT FLAT HEAD SCREW

DRAWN:  
G. LaMONICA

DATE:  
11-11-97

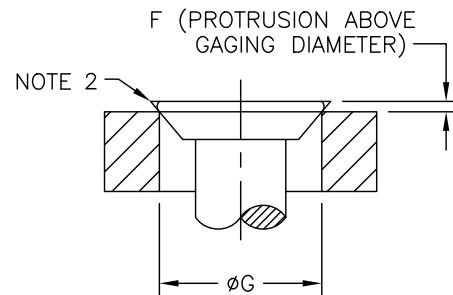
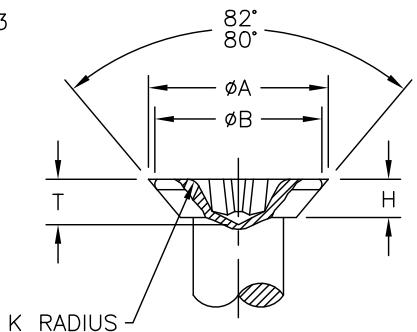
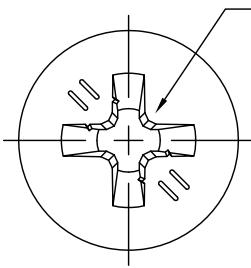
DRAWING NUMBER

P2HS-1A

SHEET 2 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
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® PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE ® PHILLIPS SQUARE-DRIV TORQ-SET TRI-WING MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE		PUNCH NUMBER	HEAD DIMENSIONS			RECESS DIMENSIONS					GAGING		LENGTH NOTE 1			DRIVER SIZE		
MACH & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H	ØM	T	K REF.	N MIN.	PENETRATION		ØG	F	MACH. SCREWS	TAPPING			
			.119 .105	.099 .018	.025 .055	.068 .027	.043 .027	.010	.015	.036 .020	.020	.078 .016	.026 .016	.125 .125	.188 .110	.125 .094		
0	0	00B 4	.119 .105	.099 .018	.025 .055	.068 .027	.043 .027	.010	.015	.036 .020	.020	.078 .016	.026 .016	.125 .125	.188 .110	.125 .094	0	
1	1	00B 5	.146 .130	.123 .023	.031 .063	.076 .035	.051 .035	.010	.016	.044 .028	.028	.101 .016	.028 .016	.125 .125	.188 .141	.156 .125		
2	2	10B 80	.172 .156	.147 .028	.036 .082	.095 .040	.056 .020	.026	.026	.049 .033	.033	.124 .017	.029 .017	.125 .125	.188 .172	.188 .156		
3	3	10B 1	.199 .181	.171 .033	.042 .089	.102 .047	.063 .020	.027	.027	.056 .040	.040	.148 .018	.031 .018	.125 .188	.219 .188	.219 .188	1	
4	4	10B 54	.225 .207	.195 .038	.047 .104	.117 .062	.078 .020	.029	.029	.071 .055	.055	.172 .019	.032 .019	.188 .250	.250 .219	.250 .188		
5	5	10B 3	.252 .232	.220 .043	.053 .115	.128 .073	.089 .020	.031	.031	.082 .066	.066	.196 .020	.034 .020	.188 .250	.250 .250	.250 .188		
6	6	20B 285	.279 .257	.244 .048	.059 .133	.146 .055	.078 .025	.031	.031	.067 .044	.044	.220 .021	.036 .021	.188 .266	.313 .250	.313 .250		
7	7	20B 1	.305 .283	.268 .053	.064 .141	.154 .063	.086 .025	.032	.032	.075 .052	.052	.243 .022	.037 .022	.250 .313	.375 .250	.375 .250	2	
8	8	20B 2	.332 .308	.292 .058	.070 .161	.174 .083	.106 .025	.034	.034	.095 .072	.072	.267 .023	.039 .023	.250 .328	.438 .250	.438 .328		
10	10	20B 3	.385 .359	.340 .068	.081 .176	.189 .098	.121 .025	.035	.035	.110 .087	.087	.313 .025	.042 .025	.313 .375	.500 .375	.500 .313		
12	12	30B 166	.438 .410	.389 .078	.092 .220	.233 .098	.121 .030	.042	.042	.104 .081	.081	.362 .027	.045 .027	.375 .375	.563 .406	.563 .375		
1/4	—	30B 85	.507 .447	.452 .092	.107 .237	.250 .113	.136 .030	.044	.044	.119 .096	.096	.424 .029	.050 .029	.438 —	— .625	.625 .375	3	
—	14	30B 85	.491 .461	.437 .088	.104 .237	.250 .113	.136 .030	.044	.044	.119 .096	.096	.410 .029	.049 .029	— .469	— .625	— .469		
—	16	30B 2	.544 .512	.485 .098	.115 .255	.268 .133	.156 .030	.046	.046	.139 .116	.116	.457 .031	.052 .031	— .500	.750 .500	— .500		
5/16	—	40B 79	.635 .600	.568 .116	.134 .304	.317 .146	.168 .035	.064	.064	.148 .126	.126	.539 .034	.057 .034	.500 —	.625 .438	.625 .438		
—	18	40B 79	.597 .563	.534 .108	.126 .304	.317 .146	.168 .035	.064	.064	.148 .126	.126	.505 .033	.055 .033	— .594	.813 —	.813 .594		
—	20	40B 64	.650 .614	.582 .118	.137 .321	.334 .164	.186 .035	.066	.066	.166 .144	.144	.553 .035	.058 .035	— .625	.813 .625	.813 .625		
—	24	40B 4	.756 .716	.679 .139	.160 .351	.364 .194	.216 .035	.071	.071	.196 .174	.174	.648 .039	.065 .039	— .750	1.000 .750	1.000 .750	4	
3/8	—	40B 4	.762 .722	.685 .140	.161 .351	.364 .194	.216 .035	.071	.071	.196 .174	.174	.653 .039	.065 .039	.563 —	.625 .438	.625 .438		
7/16	—	40B 2	.812 .767	.723 .133	.156 .380	.393 .223	.245 .035	.075	.075	.225 .203	.203	.690 .044	.073 .044	.625 —	.750 .625	.750 .625		
7/16	—	40B 330	.812 .767	.723 .133	.156 .380	.393 .223	.245 .035	.075	.075	.225 .203	.203	.690 .044	.073 .044	.625 —	.750 .625	.750 .625		
1/2	—	40B 5	.875 .825	.775 .130	.156 .396	.409 .239	.261 .035	.077	.077	.241 .219	.219	.739 .049	.081 .049	.750 —	.750 .625	.750 .625		

NOTES:  
1. THESE LENGTHS AND SHORTER ARE STANDARD WITH UNDERCUT HEAD.  
2. EDGE OF HEAD MAY BE ROUNDED OR FLAT.  
3. RECESS PER PSC-779A.

REVISION 1/ UPDATED 10-19-01 2/ UPDATED 7-30-13

TITLE:

## PHILLIPS II® ANTI-CAM-OUT UNDERCUT FLAT HEAD SCREW

DRAWN:  
G. LAMONICA

CHECKED:  
G. LAMONICA

DATE:  
11-11-97

DATE:  
10-17-05

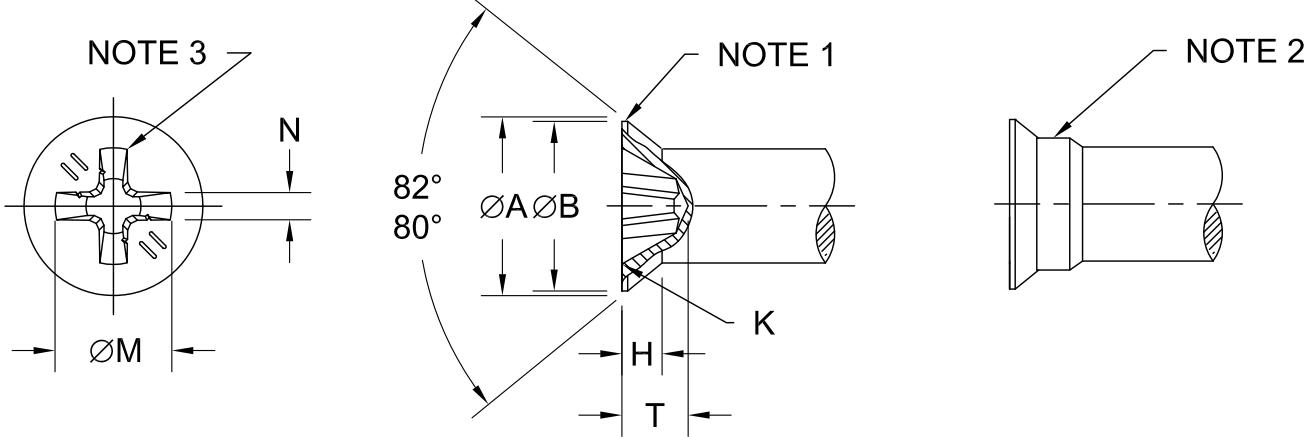
DRAWING NUMBER

P2HS-1B

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE & TAPPING SCREWS

SCREW SIZE	HEAD SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						DRIVER SIZE	
			TO SHARP CORNER	ABS MIN	REF	ØM	T	K	N	RECESS PENETRATION			
										MAX	MIN		
4	3	10B2	.199 .181	.171	.052	.107 .094	.068 .052	.020	.028	.061	.045	1	
5	4	10B3	.225 .207	.195	.060	.128 .115	.089 .073	.020	.031	.082	.066		
6	4	10B3	.225 .207	.195	.052	.128 .115	.089 .073	.020	.031	.082	.066		
6	5	20B1	.252 .232	.220	.068	.154 .141	.086 .063	.025	.032	.075	.052		
8	5	20B134	.252 .232	.220	.052	.164 .151	.096 .073	.025	.033	.085	.062		
8	6	20B6	.279 .257	.244	.069	.182 .169	.114 .091	.025	.035	.103	.080		
10	8	20B3	.332 .308	.292	.085	.189 .176	.121 .098	.025	.035	.110	.087		
12	8	20B254	.332 .308	.292	.069	.199 .186	.131 .108	.025	.036	.120	.097		
12	10	20B4	.385 .359	.340	.101	.204 .191	.136 .113	.025	.037	.125	.102		
1/4	10	20B4	.385 .359	.340	.080	.204 .191	.136 .113	.025	.037	.125	.102		
14	10	20B4	.385 .359	.340	.080	.204 .191	.136 .113	.025	.037	.125	.102		
1/4	12	30B2	.438 .410	.389	.112	.268 .255	.156 .133	.030	.046	.139	.116	2	
14	12	30B2	.438 .410	.389	.112	.268 .255	.156 .133	.030	.046	.139	.116		
5/16	12	30B2	.438 .410	.389	.075	.268 .255	.156 .133	.030	.046	.139	.116		
5/16	1/4	30B3	.507 .477	.452	.116	.283 .270	.171 .148	.030	.048	.154	.131		
5/16	14	30B3	.507 .477	.452	.116	.283 .270	.171 .148	.030	.048	.154	.131		
3/8	5/16	40B4	.635 .600	.568	.155	.364 .351	.216 .194	.035	.071	.196	.174	4	

NOTES:

1. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
2. SHOULDER FOR MACHINE SCREWS OVER 1.5 INCHES LONG.
3. RECESS PER PSC-779A.

REVISION UPDATED 7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT FLAT TRIM HEAD SCREWS

DRAWN:  
R. CHERLIN

DATE:  
05-05-97

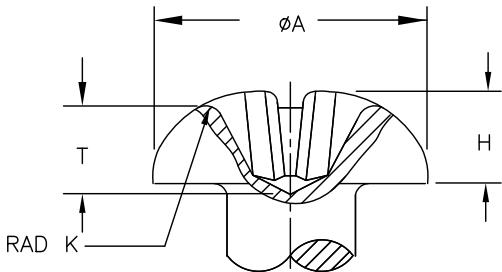
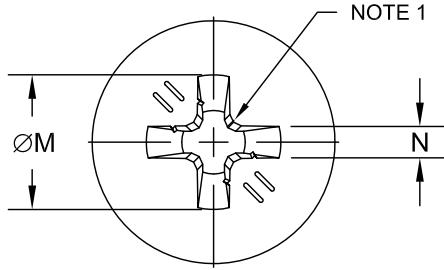
DRAWING NUMBER

P2HS-1C

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS		RECESS DIMENSIONS					DRIVER SIZE
WOOD	MACH & TAP	TYPE A		ØA	H	ØM	T	REF. K	MIN. N	PENETRATION	
										MAX.	MIN.
0	0	0	00B 6	.113 .099	.053 .043	.073 .060	.043 .023	.010	.016	.036	.016
1	1	1	00B 7	.138 .122	.061 .051	.082 .069	.053 .034	.010	.017	.046	.027
2	—	—	10B 9	.162 .146	.069 .059	.114 .101	.064 .042	.020	.027	.057	.035
—	2	2	10B 46	.162 .146	.069 .059	.100 .087	.052 .032	.020	.027	.045	.027
3	—	—	10B 10	.187 .169	.078 .067	.121 .108	.073 .052	.020	.028	.066	.045
—	3	3	10B 45	.187 .169	.078 .067	.109 .096	.062 .042	.020	.028	.055	.035
4	—	—	10B 11	.211 .193	.086 .075	.130 .117	.083 .063	.020	.031	.076	.056
—	4	4	10B 44	.211 .193	.086 .075	.118 .105	.072 .053	.020	.029	.065	.046
5	5	5	20B 30	.236 .217	.095 .083	.154 .141	.074 .046	.025	.032	.063	.035
6	6	6	20B 15	.260 .240	.103 .091	.162 .149	.083 .057	.025	.033	.072	.046
7	7	7	20B 16	.285 .264	.111 .099	.170 .157	.092 .065	.025	.034	.081	.054
8	8	8	20B 17	.309 .287	.120 .107	.178 .165	.101 .075	.025	.034	.090	.064
9	—	—	20B 18	.334 .311	.128 .115	.187 .174	.110 .084	.025	.035	.099	.073
10	10	10	20B 19	.359 .334	.137 .123	.195 .182	.118 .093	.025	.036	.107	.082
12	12	12	30B 16	.408 .382	.153 .139	.249 .236	.125 .099	.030	.044	.108	.082
—	1/4	—	30B 19	.472 .443	.175 .160	.270 .257	.147 .121	.030	.047	.130	.104
14	—	14	30B 17	.457 .429	.170 .155	.265 .252	.142 .116	.030	.046	.125	.099
16	—	16	30B 18	.506 .476	.187 .171	.281 .268	.159 .133	.030	.048	.142	.116
—	5/16	—	30B 20	.590 .557	.216 .195	.309 .296	.187 .161	.030	.051	.170	.144
18	—	—	40B 14	.555 .523	.204 .187	.339 .326	.176 .150	.035	.067	.156	.130
—	—	18	40B 110	.555 .523	.204 .187	.329 .316	.166 .141	.035	.066	.146	.121
20	—	—	40B 15	.604 .570	.220 .203	.356 .343	.194 .168	.035	.069	.174	.148
—	—	20	40B 111	.604 .570	.220 .203	.344 .331	.182 .157	.035	.068	.162	.137
24	—	24	40B 16	.702 .664	.254 .235	.388 .375	.227 .202	.035	.074	.207	.182
—	3/8	—	40B 16	.708 .670	.256 .237	.388 .375	.227 .202	.035	.074	.207	.182
—	7/16	—	40B 17	.750 .707	.328 .307	.402 .389	.241 .216	.035	.076	.221	.196
—	1/2	—	40B 18	.813 .766	.355 .332	.417 .404	.256 .231	.035	.078	.236	.211
—	9/16	—	40B 140	.938 .887	.410 .385	.454 .441	.292 .266	.035	.083	.272	.246
—	5/8	—	50B 1	1.000 .944	.438 .411	.554 .531	.301 .270	.040	.102	.268	.237
—	3/4	—	50B 2	1.250 .1185	.547 .516	.654 .631	.404 .373	.040	.118	.371	.340

## NOTES:

1. RECESS PER PSC-779A.

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TITLE:

**PHILLIPS II® ANTI-CAM-OUT  
ROUND HEAD SCREW**DRAWN:  
G. LAMONICADATE:  
11-12-97

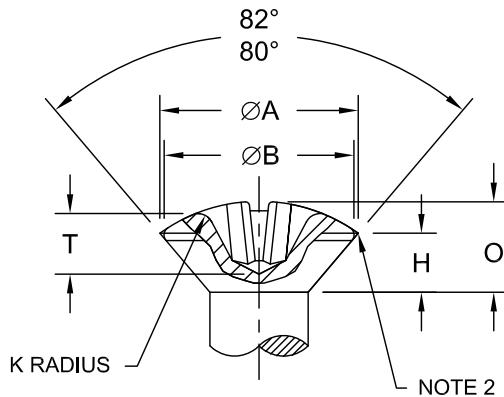
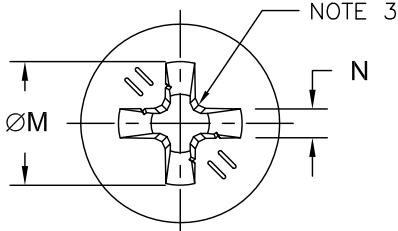
DRAWING NUMBER

**P2HS-2**

SHEET 1 OF 1

CHECKED:  
G. LAMONICADATE:  
10-14-05PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS				RECESS DIMENSIONS					LENGTH			DRIVER SIZE	
WOOD	MACH. & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H NOTE 4	O	ØM	T	K	N	PENETRATION	MACH. NOTE 1	TAPPING	TYPE A NOTE 1	OTHERS NOTE 1	
0	0	0	00B 8	.119 .105	.099 .026	.035 .041	.056 .061	.074 .061	.047 .038	.010	.016	.042	.033	.125	.188	.125	0
1	1	1	00B 9	.146 .130	.123 .033	.043 .052	.068 .064	.077 .041	.050	.010	.016	.046	.037	.125	.188	.156	
2	2	2	10B 4	.172 .156	.147 .040	.051 .063	.080 .099	.112 .052	.069	.020	.029	.062	.045	.125	.188	.188	
3	3	3	10B 5	.199 .181	.171 .048	.059 .073	.092 .110	.123 .063	.081	.020	.030	.074	.056	.125	.219	.219	1
4	4	4	10B 6	.225 .207	.195 .055	.067 .084	.104 .123	.136 .077	.094	.020	.032	.087	.070	.188	.250	.250	
5	5	5	20B 7	.252 .232	.220 .062	.075 .095	.116 .145	.158 .061	.085	.025	.032	.074	.050	.188	.250	.250	
6	6	6	20B 8	.279 .257	.244 .069	.083 .105	.128 .165	.178 .080	.105	.025	.034	.094	.069	.188	.313	.313	
-	7	7	20B 14	.305 .283	.268 .091	.140 .116	.183 .170	.110 .086	.110	.025	.035	.099	.075	.250	.375	.375	
7	-	-	20B 9	.305 .283	.268 .076	.091 .116	.140 .176	.189 .092	.116	.025	.035	.105	.081	-	-	-	2
-	8	8	20B 12	.332 .308	.292 .100	.152 .126	.192 .179	.119 .095	.119	.025	.036	.108	.084	.250	.438	.438	
8	-	-	20B 10	.332 .308	.292 .084	.100 .126	.152 .192	.205 .107	.132	.025	.037	.121	.096	-	-	-	
9	-	-	20B 11	.358 .334	.316 .091	.108 .137	.164 .203	.216 .119	.143	.025	.038	.132	.108	-	-	-	
-	10	10	20B 13	.385 .359	.340 .116	.176 .148	.209 .196	.137 .113	.119	.025	.037	.126	.102	.313	.500	.500	
10	-	-	30B 6	.385 .359	.340 .098	.116 .148	.176 .248	.261 .118	.142	.030	.046	.125	.101	-	-	-	
-	12	12	30B 11	.438 .410	.389 .132	.200 .169	.270 .257	.152 .127	.127	.030	.047	.135	.110	.375	.563	.563	
12	-	-	30B 8	.438 .410	.389 .112	.132 .169	.200 .270	.283 .140	.165	.030	.048	.148	.123	-	-	-	
-	1/4	-	30B 12	.507 .477	.452 .153	.232 .197	.290 .277	.172 .148	.172	.030	.049	.155	.131	.438	-	.625	3
-	-	14	30B 13	.491 .461	.437 .148	.224 .190	.288 .275	.171 .146	.171	.030	.049	.154	.129	-	.625	-	
14	-	-	30B 9	.491 .461	.437 .127	.148 .190	.224 .293	.306 .163	.188	.030	.051	.171	.146	-	-	-	
-	-	16	30B 10	.544 .512	.485 .164	.248 .212	.332 .319	.214 .190	.214	.030	.054	.197	.173	-	.750	-	
16	-	-	30B 10	.544 .512	.485 .141	.164 .212	.248 .319	.332 .190	.214	.030	.054	.197	.173	-	-	-	

NOTES:

1. THESE LENGTHS AND SHORTER ARE STANDARD WITH UNDERCUT HEAD (SEE P2HS-3B FOR DETAILS) AND ARE NOT APPLICABLE TO WOOD SCREWS.
2. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
3. RECESS PER PSC-779A.
4. THE "H" MAX VALUE TO BE USED AS REF. FOR MACHINE AND ALL TAPPING SCREWS, "H" MIN/MAX VALUES ARE FOR WOOD SCREWS ONLY.

REVISION 1 / UPDATED 10-18-01 2 / UPDATED 7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT OVAL HEAD SCREW

DRAWN:  
G. LAMONICA

DATE:  
11-17-97

DRAWING NUMBER  
**P2HS-3A**

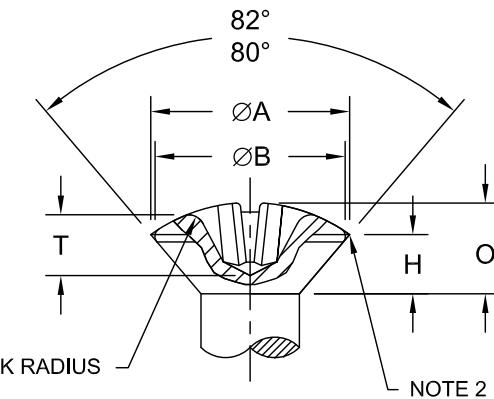
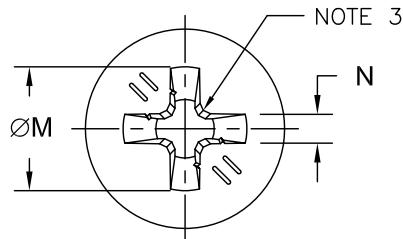
CHECKED:  
G. LAMONICA

DATE:  
10-17-05

SHEET 1 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS				RECESS DIMENSIONS					LENGTH			DRIVER SIZE		
WOOD	MACH. & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H	O	ØM REF.	T	K	N	PENETRATION	MACH. NOTE 1	TAPPING				
				MIN.	MAX.	MIN.	MAX.	TYPE A NOTE 1	OTHERS NOTE 1									
-	5/16	-	40B 13	.635 .600	.568	.191 .249	.290 .211	.390 .377	.235 .211	.035	.074	.215	.191	.500	-	.625		
18	-	18	40B 6	.597 .563	.534	.180 .155	.272 .233	.382 .369	.226 .202	.035	.071	.196	.174	-	.813	-		
20	-	20	40B 7	.650 .614	.582	.196 .170	.296 .254	.400 .387	.245 .221	.035	.076	.225	.201	-	.813	-		
24	-	24	40B 8	.756 .716	.679	.228 .198	.344 .297	.437 .424	.282 .258	.035	.081	.262	.238	-	1.000	-		
-	3/8	-	40B 10	.762 .722	.685	.230	.347 .300	.410 .397	.255 .232	.035	.077	.235	.212	.563	-	.625		
-	7/16	-	40B 11	.812 .771	.723	.223	.345 .295	.422 .409	.267 .244	.035	.079	.247	.224	.625	-	.750		
-	1/2	-	40B 12	.875 .831	.775	.223	.354 .299	.438 .425	.283 .260	.035	.081	.263	.240	.750	-	.750		
-	9/16	-	40B 143	1.000 .945	.889	.260	.410 .350	.468 .455	.315 .292	.035	.085	.295	.272	-	-	-		
-	5/8	-	50B 7	1.125 1.065	1.002	.298	.467 .399	.591 .568	.349 .322	.040	.108	.316	.289	-	-	-		
-	3/4	-	50B 8	1.375 1.305	1.230	.372	.578 .497	.653 .630	.412 .384	.040	.118	.379	.351	-	-	-		
4																		
5																		

REVISION 1/ UPDATED 10-18-01 2/ UPDATED 7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT OVAL HEAD SCREW

DRAWN:  
G. LaMONICA

CHECKED:  
G. LaMONICA

DATE:  
11-17-97

DATE:  
10-17-05

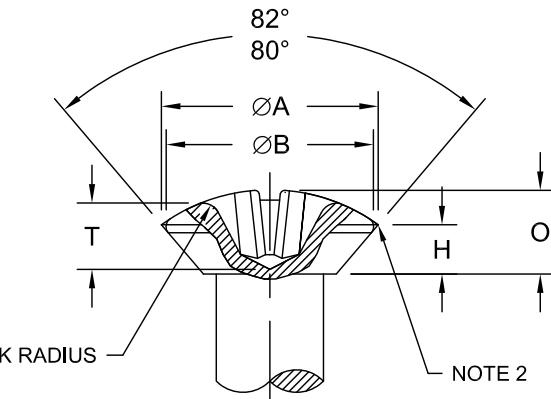
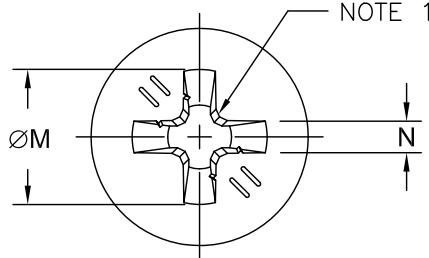
DRAWING NUMBER

**P2HS-3A**

SHEET 2 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE		PUNCH NUMBER	HEAD DIMENSIONS				RECESS DIMENSIONS				LENGTH (SEE NOTE 3)			DRIVER SIZE		
MACH & TAP	TYPE A		ØA THEO.	ØB ABS. MIN.	H MAX. REF.	O	ØM	T	K REF.	N MIN.	PENETRATION MAX.	MIN.	MAX.	TYPE A	OTHERS	
0	0	00B 8	.119 .105	.099	.025	.046 .033	.074 .061	.047 .038	.010	.016	.042	.033	.125	—	.125 .094	0
1	1	00B 9	.146 .130	.123	.031	.056 .042	.077 .064	.050 .041	.010	.016	.046	.037	.125	—	.156 .125	
2	2	10B 4	.172 .156	.147	.036	.065 .050	.112 .099	.069 .052	.020	.029	.062	.045	.125	—	.188 .156	
3	3	10B 5	.199 .181	.171	.042	.075 .059	.123 .110	.081 .063	.020	.030	.074	.056	.125	—	.219 .188	1
4	4	10B 6	.225 .207	.195	.047	.084 .067	.136 .123	.094 .077	.020	.032	.087	.070	.188	—	.250 .188	
5	5	20B 7	.252 .232	.220	.053	.094 .076	.158 .145	.085 .061	.025	.032	.074	.050	.188	—	.250 .188	
6	6	20B 8	.279 .257	.244	.059	.104 .084	.178 .165	.105 .080	.025	.034	.094	.069	.188	—	.313 .250	
7	7	20B 14	.305 .283	.268	.064	.113 .093	.183 .170	.110 .086	.025	.035	.099	.075	.250	—	.375 .250	2
8	8	20B 12	.332 .308	.292	.070	.123 .101	.192 .179	.119 .095	.025	.036	.108	.084	.250	—	.438 .250	
10	10	20B 13	.385 .359	.340	.081	.142 .118	.209 .196	.137 .113	.025	.037	.126	.102	.313	—	.500 .313	
12	12	30B 11	.438 .410	.389	.092	.161 .135	.270 .257	.152 .127	.030	.047	.135	.110	.375	—	.563 .375	
1/4	—	30B 12	.507 .477	.452	.107	.186 .158	.290 .277	.172 .148	.030	.049	.155	.131	.438	—	.625 .375	
—	14	30B 13	.491 .461	.437	.104	.180 .152	.288 .275	.171 .146	.030	.049	.154	.129	—	.625 .469	—	
—	16	30B 142	.544 .512	.485	.115	.199 .169	.308 .295	.190 .166	.030	.051	.173	.149	—	.750 .500	—	
5/16	—	40B 254	.635 .600	.568	.134	.232 .198	.382 .369	.226 .203	.035	.073	.206	.183	.500	—	.625 .438	
—	18	40B 145	.597 .563	.534	.126	.218 .186	.364 .351	.208 .184	.035	.071	.188	.164	—	.813 .594	—	
—	20	40B 13	.650 .614	.582	.137	.238 .203	.390 .377	.235 .211	.035	.074	.215	.191	—	.813 .625	—	
—	24	40B 7	.756 .716	.679	.160	.276 .237	.400 .387	.245 .221	.035	.076	.225	.201	—	1.000 .750	—	
3/8	—	40B 255	.762 .722	.685	.161	.278 .239	.400 .387	.245 .222	.035	.076	.225	.202	.563	—	.625 .438	
7/16	—	40B 256	.812 .767	.723	.156	.279 .239	.410 .397	.256 .232	.035	.077	.236	.212	.625	—	.750 .625	
1/2	—	40B 257	.875 .825	.775	.156	.288 .244	.422 .409	.268 .245	.035	.079	.248	.225	.750	—	.750 .625	

NOTES:

1. RECESS PER PSC-779A.
2. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
3. THESE LENGTHS ARE STANDARD WITH UNDERCUT HEAD.

REVISION 1/ UPDATED 10-18-01 2/ UPDATED 7-30-13

TITLE:

## PHILLIPS II® ANTI-CAM-OUT UNDERCUT OVAL HEAD SCREW

DRAWN:  
G. LaMONICA

DATE:  
11-12-97

DRAWING NUMBER

**P2HS-3B**

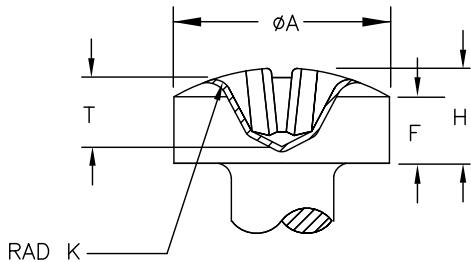
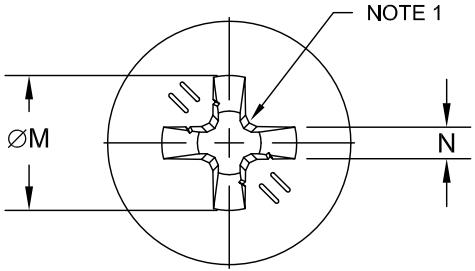
CHECKED:  
G. LaMONICA

DATE:  
10-17-05

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE		PUNCH NUMBER		HEAD DIMENSIONS			RECESS DIMENSIONS					DRIVER SIZE
MACH & TAP	TYPE A	SHAVED HEAD	FINISHED HEAD	ØA	F	H	ØM	T	REF. K	MIN. N	PENETRATION	
											MAX.	MIN.
0	0	00B 14	00B 20	.096 .083	.045 .037	.059 .043	.067 .054	.039 .021	.010	.015	.032 .014	0
1	1	00B 15	00B 21	.118 .104	.053 .045	.071 .055	.074 .061	.047 .030	.010	.016	.040 .023	
2	2	10B 13	10B 35	.140 .124	.062 .053	.083 .066	.104 .091	.059 .041	.020	.028	.052 .034	1
3	3	10B 14	10B 37	.161 .145	.070 .061	.095 .077	.112 .099	.068 .050	.020	.029	.061 .043	
4	4	10B 15	10B 36	.183 .166	.079 .069	.107 .088	.122 .109	.078 .060	.020	.030	.071 .053	
5	5	20B 346	20B 265	.205 .187	.088 .078	.120 .100	.142 .129	.067 .042	.025	.031	.056 .031	2
6	6	20B 21	20B 257	.226 .208	.096 .086	.132 .111	.166 .153	.091 .065	.025	.033	.080 .054	
7	7	20B 22	20B 278	.248 .229	.105 .094	.144 .122	.175 .162	.100 .075	.025	.034	.089 .064	
8	8	20B 23	20B 266	.270 .250	.113 .102	.156 .133	.182 .169	.107 .082	.025	.035	.096 .071	
10	10	20B 25	20B 258	.313 .292	.130 .118	.180 .156	.199 .186	.125 .100	.025	.036	.114 .089	3
12	12	30B 21	30B 68	.357 .334	.148 .134	.205 .178	.262 .249	.141 .115	.030	.046	.124 .098	
-	14	30B 22	30B 67	.400 .376	.165 .151	.230 .201	.281 .268	.161 .135	.030	.048	.144 .118	
1/4	-	30B 22	30B 67	.414 .389	.170 .155	.237 .207	.281 .268	.161 .135	.030	.048	.144 .118	
5/16	-	30B 140	30B 69	.518 .490	.211 .194	.295 .262	.322 .309	.203 .178	.030	.053	.186 .161	4
3/8	-	40B 26	40B 162	.622 .590	.253 .233	.355 .315	.389 .376	.233 .209	.035	.074	.213 .189	
7/16	-	40B 27	40B 163	.625 .589	.265 .242	.368 .321	.414 .401	.259 .235	.035	.078	.239 .215	
1/2	-	40B 28	40B 164	.750 .710	.297 .273	.412 .362	.434 .421	.280 .257	.035	.080	.260 .237	
9/16	-	40B 281	—	.812 .768	.336 .308	.466 .410	.466 .453	.312 .289	.035	.085	.292 .269	5
5/8	-	50B 15	—	.875 .827	.375 .345	.521 .461	.586 .563	.344 .315	.040	.107	.311 .282	
3/4	-	50B 6	—	1.000 .945	.441 .406	.612 .542	.633 .610	.390 .362	.040	.115	.357 .329	

REVISION 1 / UPDATED 10-18-01 2 / UPDATED 7-30-13

NOTES:

1. RECESS PER PSC-779A.

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT FILLISTER HEAD SCREW

DRAWN:  
G. LaMONICA

CHECKED:  
G. LaMONICA

DATE:  
11-12-97

DATE:  
10-17-05

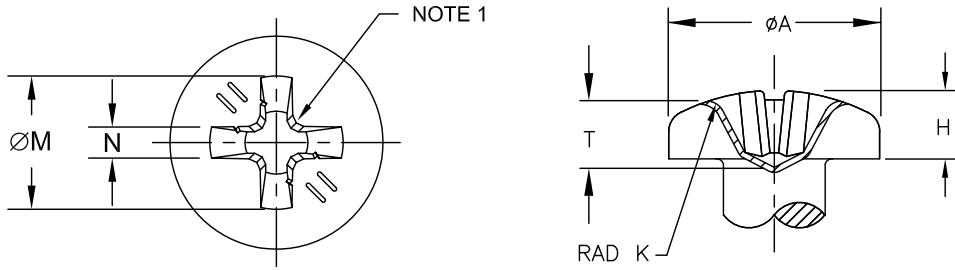
DRAWING NUMBER

**P2HS-4**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE			PUNCH NUMBER	HEAD DIMENSIONS		RECESS DIMENSIONS					DRIVER SIZE	
WOOD	MACH & TAP	TYPE A		ØA	H	ØM	T	REF. K	MIN. N	PENETRATION	MAX.	
0	0	0	00B 14	.116 .104	.044 .036	.067 .054	.039 .021	.010	.015	.032	.014	0
1	1	1	00B 15	.142 .130	.053 .044	.074 .061	.047 .030	.010	.016	.040	.023	
2	2	2	10B 13	.167 .155	.062 .053	.104 .091	.059 .041	.020	.028	.052	.034	
3	3	3	10B 14	.193 .180	.071 .062	.112 .099	.068 .050	.020	.029	.061	.043	1
4	4	4	10B 15	.219 .205	.080 .070	.122 .109	.078 .060	.020	.030	.071	.053	
5	5	5	20B 20	.245 .231	.089 .079	.158 .145	.083 .057	.025	.032	.072	.046	
6	6	6	20B 21	.270 .256	.097 .087	.166 .153	.091 .065	.025	.033	.080	.054	
7	7	7	20B 22	.296 .281	.106 .096	.175 .162	.100 .075	.025	.034	.089	.064	2
8	8	8	20B 23	.322 .306	.115 .105	.182 .169	.107 .082	.025	.035	.096	.071	
9	9	9	20B 24	.347 .331	.124 .113	.190 .177	.116 .091	.025	.035	.105	.080	
10	10	10	20B 25	.373 .357	.133 .122	.199 .186	.125 .100	.025	.036	.114	.089	
11	11	11	30B 14	.399 .382	.142 .130	.252 .239	.130 .105	.030	.045	.113	.088	
12	12	12	30B 21	.425 .407	.151 .139	.262 .249	.141 .115	.030	.046	.124	.098	
—	1/4	—	30B 22	.492 .473	.175 .162	.281 .268	.161 .135	.030	.049	.144	.118	
—	—	14	30B 226	.476 .457	.169 .156	.282 .269	.161 .136	.030	.048	.144	.119	
14	—	—	30B 22	.476 .457	.169 .156	.281 .268	.161 .135	.030	.048	.144	.118	
16	—	16	30B 185	.528 .508	.187 .173	.294 .281	.175 .150	.030	.049	.158	.133	
18	—	18	40B 201	.579 .558	.205 .191	.335 .322	.178 .153	.035	.067	.158	.133	
—	5/16	—	40B 9	.615 .594	.218 .203	.350 .337	.193 .169	.035	.069	.173	.149	
20	—	20	40B 9	.631 .608	.223 .208	.350 .337	.193 .169	.035	.069	.173	.149	
24	—	24	40B 26	.734 .709	.259 .242	.389 .376	.233 .209	.035	.074	.213	.189	
—	3/8	—	40B 26	.740 .716	.261 .244	.389 .376	.233 .209	.035	.074	.213	.189	
—	7/16	—	40B 27	.863 .837	.305 .284	.414 .401	.259 .235	.035	.078	.239	.215	
—	1/2	—	40B 28	.987 .958	.348 .325	.434 .421	.280 .257	.035	.080	.260	.237	
—	9/16	—	40B 281	1.041 1.000	.391 .366	.466 .453	.312 .289	.035	.085	.292	.269	
—	5/8	—	50B 15	1.172 1.125	.434 .406	.586 .563	.344 .315	.040	.109	.311	.282	
—	3/4	—	50B 6	1.435 1.375	.521 .488	.633 .610	.390 .362	.040	.116	.357	.329	5

NOTES:

1. RECESS PER PSC-779A.

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT PAN HEAD SCREW

DRAWN:

G. LaMONICA

DATE:

11-17-97

DRAWING NUMBER

**P2HS-5A**

SHEET 1 OF 1

CHECKED:

G. LaMONICA

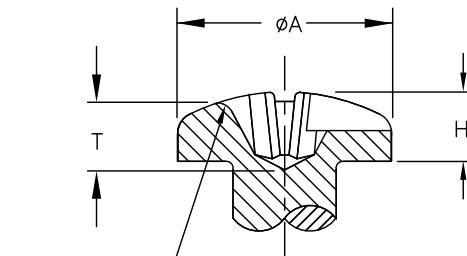
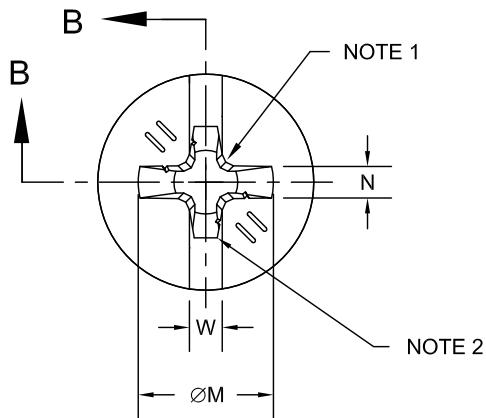
DATE:

10-17-05

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

REVISION 1 / UPDATED 2 / UPDATED  
10-18-01 7-30-13



SECTION B-B

## MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NUMBER	HEAD DIMENSIONS		SLOT DIMENSIONS				RECESS DIMENSIONS					DRIVER SIZE	
		ØA	H	W		D		ØM	T	K	N	RECESS PENETRATION		
				MAX.	MIN.	MAX.	MIN.					MAX.	MIN.	
2	10B154	.167 .155	.062 .053	.031	.023	.031	.022	.104 .091	.059 .041	.020	.028	.052	.034	1
3	10B155	.193 .180	.071 .062	.035	.027	.036	.026	.112 .099	.068 .050	.020	.029	.061	.043	
4	10B156	.219 .205	.080 .070	.039	.031	.040	.030	.122 .109	.078 .060	.020	.030	.071	.053	
5	20B551	.245 .231	.089 .079	.043	.035	.045	.034	.158 .145	.083 .057	.025	.032	.072	.046	2
6	20B552	.270 .256	.097 .087	.048	.039	.050	.037	.166 .153	.091 .065	.025	.033	.080	.054	
7	20B553	.296 .281	.106 .096	.048	.039	.054	.041	.175 .162	.100 .075	.025	.034	.089	.064	
8	20B554	.322 .306	.115 .105	.054	.045	.058	.045	.182 .169	.107 .082	.025	.035	.096	.071	
10	20B555	.373 .357	.133 .122	.060	.050	.068	.053	.199 .186	.125 .100	.025	.036	.114	.089	
12	30B236	.425 .407	.151 .139	.067	.056	.077	.061	.262 .249	.141 .115	.030	.046	.124	.098	3
1/4	30B237	.492 .473	.175 .162	.075	.064	.087	.070	.281 .268	.161 .135	.030	.048	.144	.118	
5/16	40B267	.615 .594	.218 .203	.084	.072	.106	.085	.350 .337	.193 .169	.035	.069	.173	.149	4

REVISION 1 / UPDATED 7-30-13

NOTES:

1. RECESS PER PSC-779A.
2. SLOT SHALL BE PLACED AS SHOWN TO ELIMINATE THE REMOVAL RIBS.

TITLE:

## PHILLIPS II® ANTI-CAM-OUT COMBINATION SLOTTED-PAN HEAD

DRAWN:

S. GREGORY

DATE:

08-24-94

DRAWING NUMBER

P2HS-5B

CHECKED:

G. LaMONICA

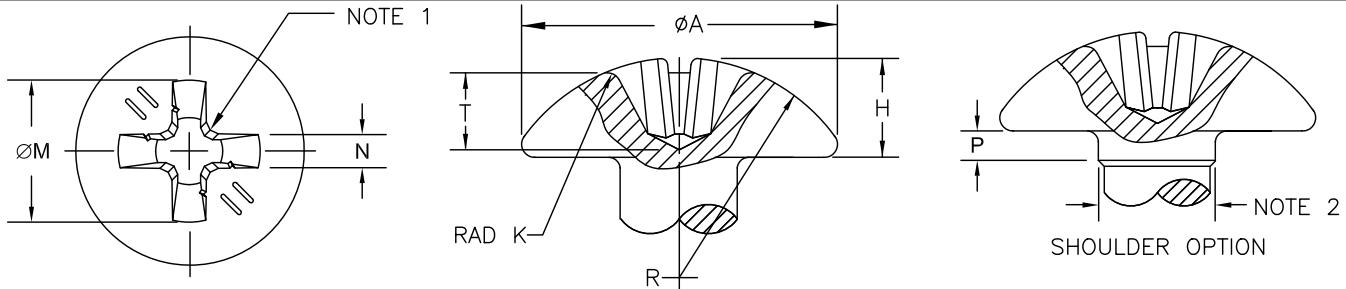
DATE:

10-19-05

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NUMBER	HEAD DIMENSIONS				RECESS DIMENSIONS					DRIVER SIZE
		ØA	H	R REF.	P	ØM	T	K REF.	N MIN.	PENETRATION MAX.	
0	00B 12	.131 .119	.037 .029	.113	.016	.063 .050	.036 .027	.010	.014	.031 .022	0
1	00B 13	.164 .149	.045 .037	.121	.016	.071 .058	.044 .035	.010	.015	.040 .030	
2	10B 13	.194 .180	.053 .044	.132	.031	.104 .091	.059 .041	.020	.028	.052 .034	1
3	10B 61	.226 .211	.061 .051	.184	.031	.110 .097	.067 .050	.020	.028	.060 .043	
4	10B 17	.257 .241	.069 .059	.187	.031	.112 .099	.069 .052	.020	.029	.062 .045	
5	10B 18	.289 .272	.078 .066	.211	.031	.128 .115	.085 .068	.020	.031	.078 .061	
6	20B 63 142	.321 .303	.086 .074	.231	.031	.158 .145	.084 .059	.025	.032	.073 .048	
7	20B 71	.352 .333	.094 .081	.256	—	.165 .152	.091 .066	.025	.033	.080 .055	2
8	20B 33	.384 .364	.102 .088	.275	.031	.172 .159	.099 .074	.025	.034	.088 .063	
9	20B 64	.415 .395	.110 .096	.293	—	.180 .167	.107 .082	.025	.034	.096 .071	
10	20B 34 153	.448 .425	.118 .103	.314	.031	.188 .175	.115 .090	.025	.035	.104 .079	
12	30B 24	.511 .487	.134 .118	.351	.063	.248 .235	.128 .103	.030	.044	.111 .086	3
14	30B 25 115	.557 .530	.146 .129	.391	.063	.263 .250	.144 .119	.030	.046	.127 .102	
1/4	30B 25 115	.573 .546	.150 .133	.391	.063	.263 .250	.144 .119	.030	.046	.127 .102	
16	30B 288	.609 .580	.159 .141	.419	.063	.267 .254	.149 .124	.030	.046	.132 .107	
18	40B 305	.661 .630	.173 .153	.452	.063	.323 .310	.165 .141	.035	.065	.145 .121	4
5/16	40B 20 94	.698 .666	.183 .162	.468	.063	.352 .339	.193 .169	.035	.069	.173 .149	
20	40B 158	.713 .680	.186 .165	.487	.063	.361 .343	.198 .174	.035	.069	.178 .154	
24	40B 21	.817 .780	.213 .190	.546	.063	.383 .370	.226 .201	.035	.073	.206 .181	
3/8	40B 21	.823 .787	.215 .191	.546	.063	.383 .370	.226 .201	.035	.073	.206 .181	
7/16	40B 22	.948 .907	.248 .221	.611	.063	.414 .401	.257 .232	.035	.078	.237 .212	5
1/2	40B 31	1.073 1.028	.280 .250	.689	.063	.444 .431	.288 .263	.035	.082	.268 .243	
9/16	40B 144	1.198 1.149	.312 .279	.783	.063	.447 .434	.292 .268	.035	.082	.272 .248	
5/8	50B 9	1.323 1.269	.345 .309	.849	—	.559 .536	.315 .286	.040	.103	.282 .253	
3/4	50B 10	1.573 1.511	.410 .368	1.011	—	.620 .597	.377 .348	.040	.113	.344 .315	

NOTES:

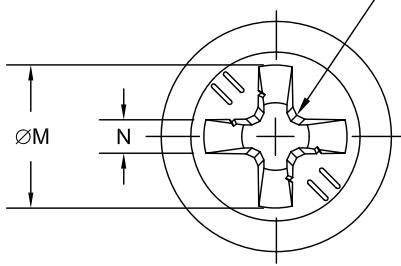
1. RECESS PER PSC-779A.
2. OPTIONAL SHOULDER FOR LONG SCREWS WITH REDUCED BODY DIAMETER (MACHINE SCREWS ONLY). DIAMETER NOT TO EXCEED MAXIMUM MAJOR DIAMETER OF THREAD.

REVISION 1/ REDRAWN 2/ UPDATED 9-01-98 7-30-13

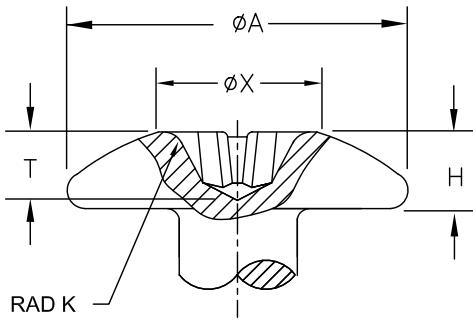
TITLE: **PHILLIPS II® ANTI-CAM-OUT FULL CONTOUR TRUSS HEAD SCREW**

DRAWN: S. GREGORY	DATE: 08-09-94	DRAWING NUMBER <b>P2HS-6A</b>
CHECKED: G. LaMONICA	DATE: 10-17-05	SHEET 1 OF 1
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



NOTE 1



SCREW SIZE		PUNCH NUMBER	HEAD DIMENSIONS			RECESS DIMENSIONS					DRIVER SIZE
MACH & TAP	TYPE A		A	H	REF. X	M	T	REF. K	MIN. N	PENETRATION	
										MAX.	MIN.
0	0	00B 16	.131 .119	.037 .029	.063	.061 .048	.036 .019	.010	.014	.029	.012
1	1	00B 17	.164 .149	.045 .037	.075	.069 .056	.044 .027	.010	.015	.039	.020
2	2	10B 100	.194 .180	.053 .044	.124	.097 .084	.059 .041	.020	.027	.052	.034
3	3	10B 101	.226 .211	.061 .051	.129	.104 .091	.066 .048	.020	.028	.059	.041
4	4	10B-102	.257 .241	.069 .059	.132	.108 .095	.069 .052	.020	.028	.062	.045
5	5	10B 103	.289 .272	.078 .066	.147	.123 .110	.085 .068	.020	.030	.078	.061
6	6	20B 321 338	.321 .303	.086 .074	.185	.152 .139	.084 .059	.025	.032	.073	.048
7	7	20B 322	.352 .333	.094 .081	.191	.158 .145	.091 .066	.025	.032	.080	.055
8	8	20B 323	.384 .364	.102 .088	.199	.166 .153	.099 .074	.025	.033	.088	.063
9	9	20B 340	.407 .385	.107 .094	.206	.174 .161	.107 .082	.020	.034	.096	.071
10	10	20B 324 339	.448 .425	.118 .103	.214	.182 .169	.115 .090	.025	.035	.104	.079
12	12	30B 167	.511 .487	.134 .118	.280	.239 .226	.128 .103	.030	.043	.111	.086
1/4	-	30B 168 180	.573 .546	.150 .133	.296	.255 .242	.143 .118	.030	.045	.126	.101
-	14	30B 227 228	.557 .530	.146 .129	.296	.255 .242	.143 .118	.030	.045	.126	.101
-	16	30B 184	.609 .580	.159 .141	.303	.262 .249	.151 .126	.030	.046	.134	.109
5/16	-	40B 172 189	.698 .666	.183 .162	.392	.341 .328	.193 .169	.035	.067	.173	.149
18	18	40B 199	.661 .630	.173 .153	.364	.313 .300	.165 .141	.035	.063	.145	.121
20	20	40B 200	.713 .680	.186 .165	.396	.345 .332	.197 .173	.035	.068	.177	.153
24	24	40B 173	.817 .780	.213 .190	.423	.374 .361	.226 .201	.035	.072	.206	.181
3/8	-	40B 173	.823 .787	.215 .191	.423	.374 .361	.226 .201	.035	.072	.206	.181
7/16	-	40B 174	.948 .907	.248 .221	.454	.405 .392	.257 .232	.035	.076	.237	.212
1/2	-	40B 175	1.073 1.028	.280 .250	.484	.435 .422	.288 .263	.035	.080	.268	.243

REVISION 1 / REDRAWN 2 / UPDATED  
10-17-01 7-30-13

## NOTES:

1. RECESS PER PSC-779A.

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT FLAT TOP TRUSS HEAD SCREW

DRAWN:  
S. GREGORYCHECKED:  
G. LAMONICADATE:  
11-17-97DATE:  
10-18-05

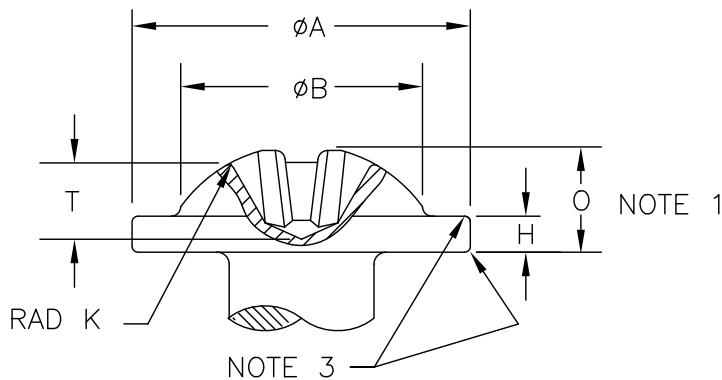
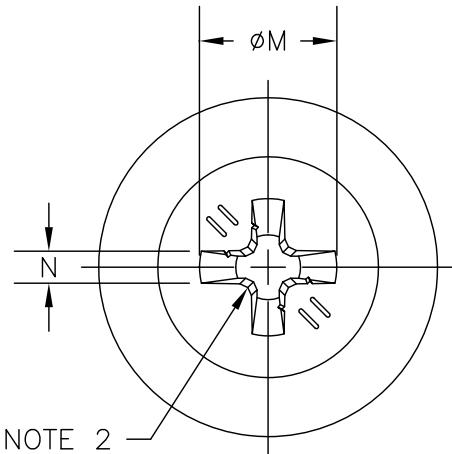
DRAWING NUMBER

**P2HS-6B**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE AND TAPPING SCREWS

SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS				RECESS DIMENSIONS						DRIVER SIZE	
		ØA	ØB	REF.	H	O	ØM	T	REF.	MIN	RECESS PENETRATION		
											MAX	MIN	
2	10B 23	.202 .186	.143 .129	.030	.062 .050	.105 .092	.053 .028	.020	.028	.046	.021		1
3	10B 24	.232 .215	.164 .148	.030	.070 .058	.113 .100	.062 .040	.020	.029	.055	.033		
4	10B 25	.261 .243	.186 .168	.030	.079 .067	.122 .109	.073 .051	.020	.030	.066	.044		
5	20B 45	.291 .272	.207 .188	.040	.088 .075	.147 .134	.065 .037	.025	.032	.054	.026		
6	20B 46	.321 .301	.228 .208	.040	.096 .084	.153 .140	.072 .044	.025	.032	.061	.033		
7	20B 47	.350 .330	.249 .228	.040	.105 .092	.157 .144	.076 .048	.025	.032	.065	.037		
8	20B 48	.380 .358	.270 .248	.040	.113 .101	.167 .154	.086 .059	.025	.033	.075	.048		
10	20B 49	.439 .416	.313 .288	.050	.130 .118	.183 .170	.104 .077	.025	.035	.093	.066		
12	30B 42	.498 .473	.355 .327	.050	.148 .134	.239 .226	.111 .083	.030	.043	.094	.066		
14	30B 39	.558 .531	.397 .367	.050	.165 .151	.248 .235	.122 .094	.030	.044	.105	.077		
1/4	30B 43	.576 .548	.411 .380	.050	.170 .157	.251 .238	.124 .097	.030	.044	.107	.080		2
16	30B 202	.617 .588	.440 .407	.060	.182 .168	.268 .255	.142 .115	.030	.046	.125	.098		
18	30B 203	.676 .646	.482 .447	.060	.199 .185	.286 .273	.161 .134	.030	.048	.144	.117		
5/16	30B 44	.719 .687	.512 .475	.060	.211 .197	.298 .285	.173 .146	.030	.050	.156	.129		
20	40B 241	.736 .703	.524 .487	.060	.216 .202	.332 .319	.165 .139	.035	.066	.145	.119		
24	40B 36	.854 .818	.609 .566	.060	.251 .236	.354 .341	.190 .164	.035	.069	.170	.144		3
3/8	40B 36	.861 .825	.614 .571	.060	.253 .238	.354 .341	.190 .164	.035	.069	.170	.144		
7/16	40B 37	1.004 .963	.716 .666	.070	.294 .278	.372 .359	.211 .185	.035	.072	.191	.165		
1/2	40B 38	1.146 .1101	.818 .762	.090	.335 .319	.390 .377	.230 .205	.035	.074	.210	.185		

NOTE: 1. DIMENSION "O" IS A METAL TO METAL HEAD MEASUREMENT.

## 2. RECESS PERIODS = 779A.

### **3. WASHER EDGES MAY BE ROUNDED.**

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**TITLE:**

# PHILLIPS II® ANTI-CAM-OUT WASHER HEAD SCREW

DRAWN:  
B CHERILL

DATE:  
05.05.97

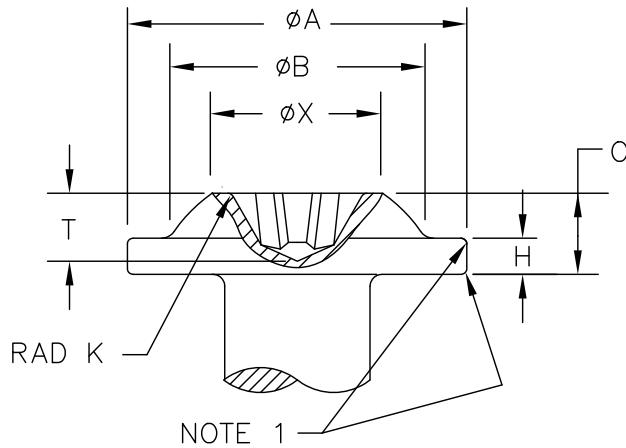
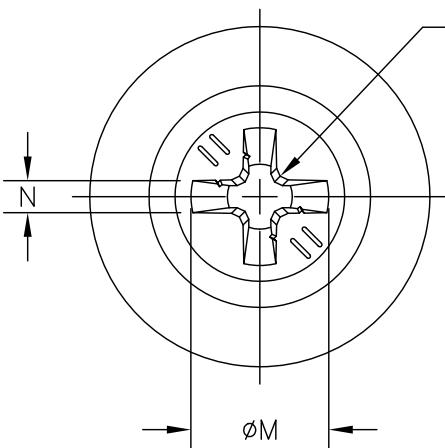
DRAWING NUMBER

P2HS-7

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

® ® ® ® ® ®  
PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE PHILLIPS SQUARE-DRIV TORQ-SET TRI-WING MORTORQ  
HEXSTIX POZILOCK ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE AND TAPPING SCREWS

SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS					RECESS DIMENSIONS					DRIVER SIZE	
		$\phi A$	$\phi B$	$H$	$O$	FLAT REF. $\phi X$	$\phi M$	$T$	REF K	MIN. N	RECESS PENETRATION		
											MAX	MIN	
4	10B	.287 .268	.221 .211	.040 .027	.086 .075	.169	.133 .120	.095 .077	.020	.031	.088	.072	1
6	20B 576	.352 .331	.271 .261	.051 .036	.103 .091	.224	.172 .159	.104 .081	.025	.034	.093	.070	
8	20B 596	.418 .394	.322 .310	.051 .036	.120 .107	.241	.195 .182	.127 .104	.025	.036	.116	.093	
8	20B 708	.418 .394	.322 .310	.051 .036	.120 .107	.241	.195 .182	.127 .104	.025	.036	.116	.093	2
10	20B 592	.483 .458	.372 .360	.062 .046	.137 .123	.264	.220 .207	.152 .129	.025	.038	.141	.118	
10	20B 597	.483 .458	.372 .360	.062 .046	.137 .123	.264	.220 .207	.152 .129	.025	.038	.141	.118	
1/4	30B 275	.634 .604	.492 .476	.063 .046	.175 .160	.342	.288 .275	.176 .153	.030	.049	.159	.136	3
5/16	40B	.790 .759	.610 .594	.075 .055	.216 .198	.439	.373 .360	.225 .203	.035	.072	.205	.183	4

### NOTES:

1. WASHER EDGES MAY BE ROUNDED.
2. TOLERANCES:  
 MAX. "A" = 2.51D + .006  
 MIN. "A" = 2.435D - .005  
 MAX. "B" = "N" NOM. ON PUNCH + 1/4 TOL. OF WASHER DIA. "A"  
 MIN. "B" = "N" NOM. ON PUNCH - 1/4 TOL. OF WASHER DIA. "A"  
 MAX. "H" = OLD WASHER HEAD "H" REF. + (3/4 TOL. OF STD. RD. HD. HGT. +.002)  
 MIN. "H" = OLD WASHER HEAD "H" REF. - (1/4 TOL. OF STD. RD. HD. HGT. +.002)  
 MAX. "O" = SAME AS STD. RD. HD.  
 MIN "O" = " " " " "
3. RECESS PER PSC-779A.

REVISION 1/ UPDATED  
7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT FLAT TOP LARGE WASHER SCREW

DRAWN:  
R. CHERLIN

DATE:  
05-05-97

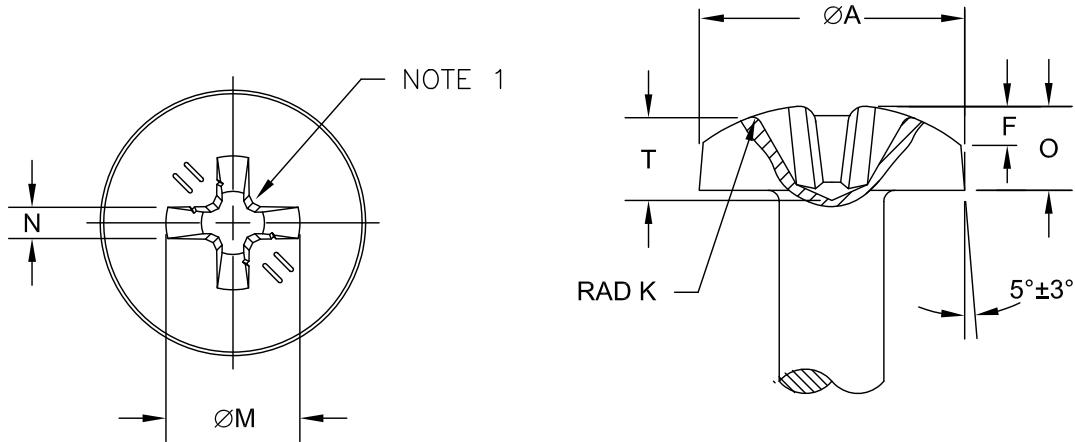
DRAWING NUMBER

P2HS-7A

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE SCREWS

SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						DRIVER SIZE
		ØA	HEIGHT OF OVAL F	TOTAL HEAD HEIGHT O	ØM	T	REF K	MIN N	RECESS PENETRATION		
0	00B 24	.126 .119	.012 .008	.032 .026	.067 .054	.040 .023	.010	.015	.033	.016	0
1	00B 25	.153 .145	.015 .011	.041 .035	.074 .061	.047 .030	.010	.016	.040	.023	
2	10B 63	.181 .171	.018 .013	.050 .043	.100 .087	.058 .042	.020	.027	.051	.035	1
3	10B 64	.208 .197	.022 .016	.059 .052	.110 .097	.068 .051	.020	.028	.061	.044	
4	10B 62	.235 .223	.025 .018	.068 .061	.118 .105	.077 .060	.020	.029	.070	.053	1
5	20B 144	.263 .249	.029 .021	.078 .069	.148 .135	.075 .051	.025	.032	.064	.040	
6	20B 133	.290 .275	.032 .024	.087 .078	.160 .147	.088 .064	.025	.033	.077	.053	2
8	20B 145	.344 .326	.039 .029	.105 .095	.186 .173	.114 .090	.025	.035	.103	.079	
10	20B 143	.399 .378	.045 .034	.123 .112	.205 .192	.133 .109	.025	.037	.122	.098	3
12	30B 96	.454 .430	.052 .039	.141 .130	.267 .254	.150 .126	.030	.046	.133	.109	
1/4	30B 97	.525 .498	.061 .046	.165 .152	.281 .268	.164 .140	.030	.048	.147	.123	4
5/16	40B 107	.656 .622	.077 .059	.209 .194	.350 .337	.194 .171	.035	.069	.174	.151	
3/8	40B 108	.788 .746	.094 .071	.253 .235	.400 .387	.246 .222	.035	.076	.226	.202	

NOTES:

1. RECESS PER PSC-779A.

REVISION 1 / UPDATED 10-18-01 2 / UPDATED 7-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT BINDING HEAD SCREW

DRAWN:  
R. CHERLIN

DATE:  
05-05-97

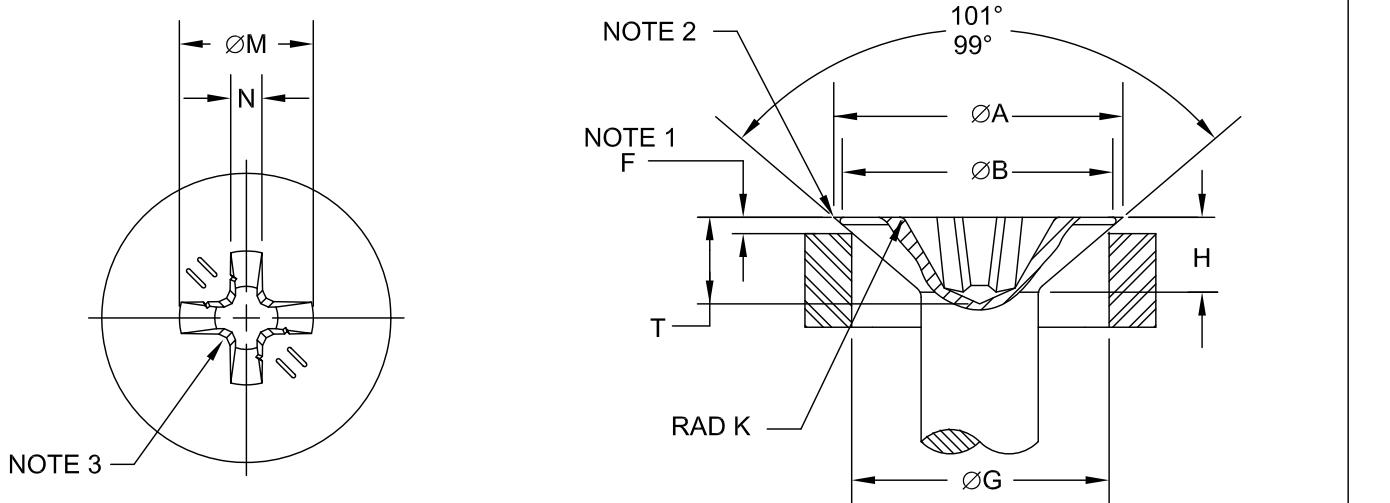
DRAWING NUMBER

P2HS-8

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						GAGING		DRIVER SIZE	
		THEO.	ABS. MIN.	REF.	ØM	T	REF.	MIN	RECESS PENETRATION		ØG	F		
									MAX	MIN				
0	00B 19	.119 .111	.096	.026	.060 .047	.035 .019	.010	.014	.028	.012	.074	.020 .012	0	
1	00B 4	.146 .137	.120	.031	.068 .055	.043 .027	.010	.015	.036	.020	.098	.021 .013		
2	10B 80	.172 .163	.143	.037	.095 .082	.056 .040	.020	.026	.049	.033	.121	.022 .014		
3	10B 1	.199 .189	.167	.043	.102 .089	.063 .047	.020	.027	.056	.040	.144	.024 .015	1	
4	10B 54	.225 .215	.191	.049	.117 .104	.078 .062	.020	.029	.071	.055	.167	.025 .019		
6	20B 1	.279 .267	.238	.060	.154 .141	.086 .063	.025	.032	.075	.052	.214	.028 .021		
8	20B 135	.332 .319	.285	.072	.169 .156	.101 .078	.025	.033	.090	.067	.261	.031 .023	2	
10	20B 136	.385 .371	.333	.083	.184 .171	.116 .093	.025	.035	.105	.082	.307	.034 .026		
1/4	30B 93	.507 .491	.442	.110	.247 .234	.135 .112	.030	.044	.118	.095	.415	.040 .031	3	
5/16	40B 79	.635 .616	.556	.138	.317 .304	.168 .146	.035	.064	.148	.126	.526	.047 .037		
3/8	40B 106	.762 .741	.670	.165	.341 .328	.193 .171	.035	.067	.173	.151	.638	.053 .042		
7/16	40B 24	.890 .866	.783	.193	.364 .351	.216 .194	.035	.071	.196	.174	.750	.060 .047	4	
1/2	40B 330	1.017 .991	.897	.221	.393 .380	.245 .223	.035	.075	.225	.203	.862	.066 .053		
9/16	40B 331	1.145 .1116	1.011	.249	.424 .411	.276 .254	.035	.079	.256	.234	.974	.073 .058		
5/8	50B 11	1.272 .1241	1.124	.276	.516 .493	.281 .255	.040	.096	.248	.222	1.086	.080 .063	5	
3/4	50B 3	1.527 .1491	1.352	.332	.577 .554	.342 .316	.040	.106	.309	.283	1.310	.093 .075		
7/8	60B 85	1.782 .1741	1.580	.388	.750 .727	.469 .445	.055	.152	.433	.409	1.533	.106 .086		
1"	60B 100	2.037 .1991	1.807	.443	.813 .790	.533 .509	.055	.175	.497	.473	1.757	.120 .096	6	

NOTES:

1. PROTRUSION ABOVE GAGING DIAMETER.
2. EDGES OF HEAD MAY BE ROUNDED OR FLAT.
3. RECESS PER PSC-799A.

REVISION 1/ UPDATED 2/ 10-17-01 7-30-13

TITLE:

**PHILLIPS II® ANTI-CAM-OUT 100° FLAT HEAD  
MACHINE SCREW CLOSE TOLERANCE**

DRAWN:  
R. CHERLIN

DATE:  
05-05-97

DRAWING NUMBER

**P2HS-11**

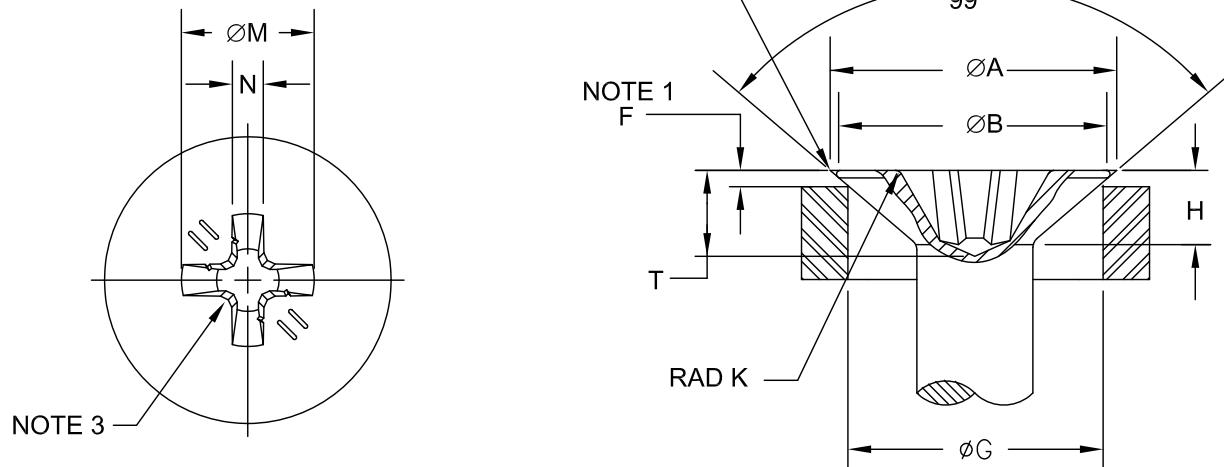
SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS					GAGING		DRIVER SIZE	
		THEO. ØA	ABS. MIN. ØB	REF. H	ØM	T	REF. K	MIN. N	RECESS PENETRATION		ØG	F	
									MAX	MIN			
0	00B 19	.119 .105	.096	.026	.060 .047	.035 .119	.010	.014	.028	.012	.074	.020 .012	0
1	00B 4	.146 .130	.120	.031	.068 .055	.043 .027	.010	.015	.036	.020	.098	.021 .013	
2	10B 80	.172 .156	.143	.037	.095 .082	.056 .040	.020	.026	.049	.033	.121	.022 .014	
3	10B 1	.199 .181	.167	.043	.102 .089	.063 .047	.020	.027	.056	.040	.144	.024 .015	1
4	10B 54	.225 .207	.191	.049	.117 .104	.078 .062	.020	.029	.071	.055	.167	.025 .016	
5	20B 123	.252 .232	.215	.054	.142 .129	.074 .051	.025	.031	.063	.040	.191	.026 .016	
6	20B 1	.279 .257	.238	.060	.154 .141	.086 .063	.025	.032	.075	.052	.214	.028 .017	
7	20B 1	.305 .283	.262	.066	.154 .141	.086 .063	.025	.032	.075	.052	.237	.030 .018	
8	20B 135	.332 .308	.285	.072	.169 .156	.101 .078	.025	.033	.090	.067	.261	.031 .019	2
9	20B 2	.358 .334	.309	.078	.174 .161	.106 .083	.025	.034	.095	.072	.284	.032 .020	
10	20B 136	.385 .359	.333	.083	.184 .171	.116 .093	.025	.035	.105	.082	.307	.034 .021	
12	30B 46	.438 .410	.380	.095	.243 .230	.131 .108	.030	.043	.114	.091	.354	.036 .023	
14	30B 93	.491 .461	.427	.106	.247 .234	.135 .112	.030	.044	.118	.095	.400	.039 .025	
1/4	30B 93	.507 .477	.442	.110	.247 .234	.135 .112	.030	.044	.118	.095	.415	.040 .025	3
16	30B 2	.544 .512	.475	.118	.268 .255	.156 .133	.030	.046	.139	.116	.447	.042 .026	
18	30B 3	.597 .563	.522	.130	.283 .270	.171 .148	.030	.048	.154	.131	.493	.045 .028	
5/16	40B 79	.635 .600	.556	.138	.317 .304	.168 .146	.035	.064	.148	.126	.526	.047 .030	
3/8	40B 106	.762 .722	.670	.165	.341 .328	.193 .171	.035	.067	.173	.151	.638	.053 .034	4

NOTES:

1. PROTRUSION ABOVE GAGING DIAMETER.
2. EDGES MAY BE ROUNDED OR FLAT.
3. RECESS PER PSC-779A.

REVISION 1 / UPDATED 10-17-01 2 / 7-30-13

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TITLE:  
**PHILLIPS II® ANTI-CAM-OUT 100° FLAT HEAD  
MACHINE AND TAPPING SCREW**

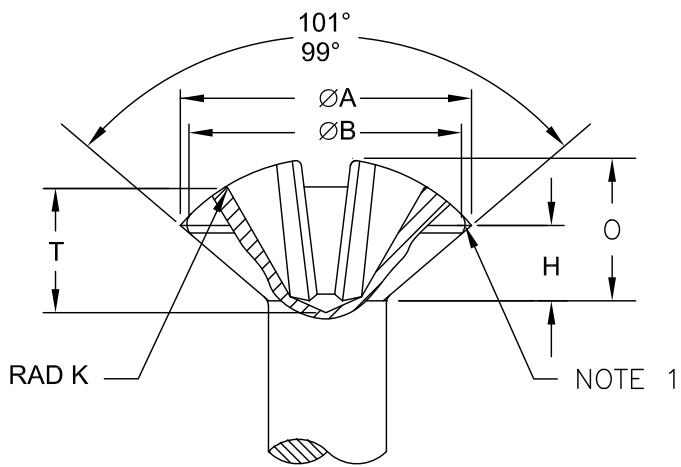
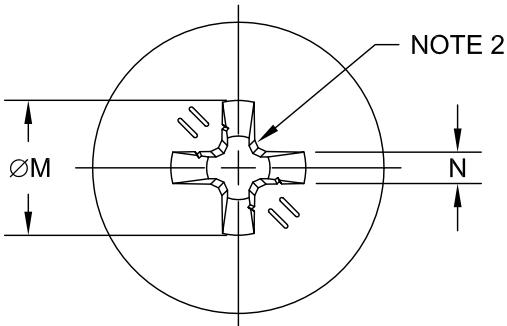
DRAWN: R. CHERLIN DATE: 05-06-97 DRAWING NUMBER

**P2HS-14**

CHECKED: G. LaMONICA DATE: 09-30-05 SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NUMBER	HEAD DIMENSIONS				RECESS DIMENSIONS						DRIVER SIZE	
		THEO. ØA	ABS. ØB	REF. H	MAX. REF. O	ØM	T	REF K	MIN. N	RECESS PENETRATION			
										MAX	MIN		
2	10B 82	.172 .156	.143	.037	.066	.101 .088	.058 .041	.020	.027	.051	.034	1	
3	10B 83	.199 .181	.167	.043	.076	.110 .097	.068 .051	.020	.028	.061	.044		
4	10B 84	.225 .207	.191	.049	.085	.125 .112	.083 .065	.020	.030	.076	.058		
5	20B 7	.252 .232	.215	.054	.096	.158 .145	.085 .061	.025	.032	.074	.050		
6	20B 8	.279 .257	.238	.060	.105	.178 .165	.105 .080	.025	.034	.094	.069		
7	20B 14	.305 .283	.262	.066	.115	.183 .170	.110 .086	.025	.035	.099	.075		
8	20B 12	.332 .308	.285	.072	.124	.192 .179	.119 .095	.025	.036	.108	.084		
9	20B 203	.358 .334	.309	.078	.134	.200 .187	.128 .103	.025	.036	.117	.092		
10	20B 13	.385 .359	.333	.083	.143	.209 .196	.137 .113	.025	.037	.126	.102		
12	30B 11	.438 .410	.381	.095	.163	.270 .257	.152 .127	.030	.047	.135	.110	2	
14	30B 13	.491 .461	.427	.103	.183	.288 .275	.171 .146	.030	.049	.154	.129		
1/4	30B 12	.507 .477	.442	.110	.189	.290 .277	.172 .148	.030	.049	.155	.131		
16	30B 142	.544 .512	.475	.118	.202	.308 .295	.190 .166	.030	.051	.173	.149		
18	40B 6	.597 .563	.522	.132	.222	.382 .369	.226 .202	.035	.073	.206	.182	3	
5/16	40B 13	.635 .600	.556	.138	.237	.390 .377	.235 .211	.035	.074	.215	.191		
3/8	40B 10	.762 .722	.670	.165	.282	.410 .397	.255 .232	.035	.077	.235	.212		

NOTES:

1. EDGES OF HEAD MAY BE ROUNDED OR FLAT.
2. RECESS PER PSC-779A.

REVISION 1 / UPDATED  
7-30-13

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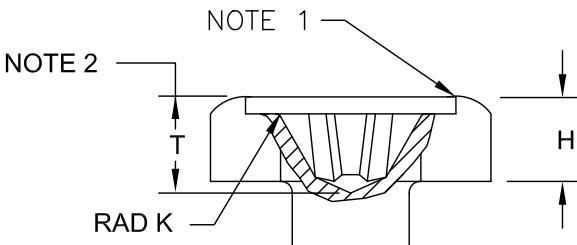
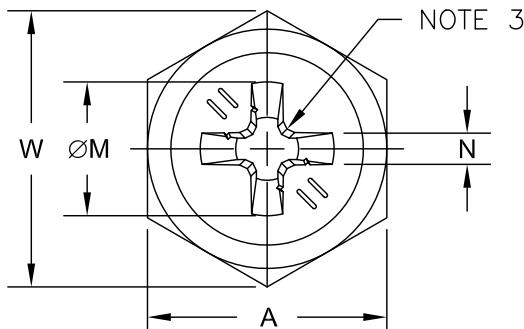
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TITLE:  
**PHILLIPS II® ANTI-CAM-OUT 100° OVAL HEAD  
MACHINE AND TAPPING SCREWS**

DRAWN: R. CHERLIN	DATE: 05-06-97	DRAWING NUMBER
CHECKED: G. LaMONICA	DATE: 09-30-05	<b>P2HS-15</b>
SHEET 1 OF 1		

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE AND TAPPING SCREWS INCH SIZES

SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						DRIVER SIZE	
		A	W	H	ØM	T	REF	MIN	RECESS PENETRATION NOTE 2			
									K	N		
1	00B 18	.125 .120	.134	.044 .036	.078 .065	.061 .043	.010	.016	.054	.036	0	
2	10B 127	.125 .120	.134	.050 .040	.092 .079	.061 .043	.020	.026	.054	.036	1	
3	10B 128	.187 .181	.202	.055 .044	.098 .085	.067 .049	.020	.027	.060	.042		
4	10B 41	.187 .181	.202	.060 .049	.103 .090	.074 .056	.020	.027	.067	.049		
5	10B 42	.187 .181	.202	.070 .058	.112 .099	.083 .065	.020	.029	.076	.058		
6	20B 100	.250 .244	.272	.093 .080	.154 .141	.100 .075	.025	.032	.089	.064	2	
7	20B 100	.250 .244	.272	.093 .080	.154 .141	.100 .075	.025	.032	.089	.064		
8	20B 102	.250 .244	.272	.110 .096	.174 .161	.126 .101	.025	.034	.115	.090		
10	20B 103	.312 .305	.340	.120 .105	.184 .171	.138 .113	.025	.035	.127	.102		
12	30B 59	.312 .305	.340	.155 .139	.253 .240	.169 .144	.030	.045	.152	.127	3	
14	30B 71	.375 .367	.409	.190 .172	.283 .270	.203 .178	.030	.048	.186	.161		
1/4	30B 71	.375 .367	.409	.190 .172	.283 .270	.203 .178	.030	.048	.186	.161		
1/4	30B 87	.437 .428	.477	.190 .172	.283 .270	.203 .178	.030	.048	.186	.161		
20	40B 242	.500 .489	.545	.230 .208	.330 .317	.220 .196	.035	.066	.200	.176	4	
5/16	40B 242	.500 .489	.545	.230 .208	.330 .317	.220 .196	.035	.066	.200	.176		
24	40B 243	.562 .551	.614	.295 .270	.393 .380	.287 .263	.035	.075	.267	.243		
3/8	40B 243	.562 .551	.614	.295 .270	.393 .380	.287 .263	.035	.075	.267	.243		

\* WITH 7/16 HEX

NOTES:

1. SHAPE OF INDENTATION IS OPTIONAL.
2. RECESS DEPTH "T" AND RECESS PENETRATION INCLUDE THE HEIGHT INDENTATION MEASURED FROM THE HIGHEST PORTION OF THE HEAD.
3. RECESS PER PSC-779A.

REVISION 1/ UPDATE 2/ UPDATED  
10-17-01 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
INDENTED HEXAGON HEAD SCREW**

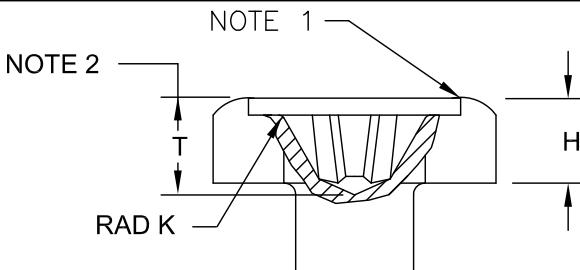
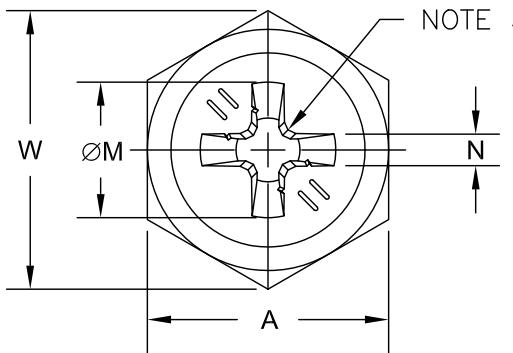
DRAWN: R. CHERLIN DATE: 05-08-97 DRAWING NUMBER

**P2HS-16A**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
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## MACHINE AND TAPPING SCREWS IFI METRIC SIZES

SCREW SIZE	HEX SIZE mm	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						DRIVER SIZE	
			A	W	H	ØM	T	REF	MIN	RECESS PENETRATION NOTE 2			
										MAX	MIN		
M2	3.2	00B 18	.126 .119	.133	.063 .051	.078 .065	.061 .043	.010	.016	.054	.036	0	
M2.2	3.2	00B 18	.126 .119	.133	.063 .051	.078 .065	.061 .043	.010	.016	.054	.036		
M2.5	4	10B 206	.157 .150	.169	.083 .071	.107 .094	.076 .058	.020	.028	.069	.051	1	
M2.9	5	10B 207	.197 .190	.213	.091 .079	.117 .104	.088 .070	.020	.029	.081	.063		
M3	5	10B 207	.197 .190	.213	.091 .079	.117 .104	.088 .070	.020	.029	.081	.063		
M3.5	5.5	20B 709	.217 .209	.235	.102	.154 .141	.100 .075	.025	.032	.089	.064		
M4	7	20B 710	.276 .267	.299	.118 .102	.164 .151	.116 .091	.025	.033	.105	.080	2	
M4.2	7	20B 710	.276 .267	.299	.118 .102	.164 .151	.116 .091	.025	.033	.105	.080		
M4.8	8	20B 711	.315 .306	.343	.150 .130	.189 .176	.143 .118	.025	.035	.132	.107		
M5	8	20B 711	.315 .306	.343	.150 .130	.189 .176	.143 .118	.025	.035	.132	.107		
M5.5	8	30B 319	.315 .306	.343	.161 .142	.233 .220	.149 .124	.030	.042	.132	.107	3	
M6	10	30B 320	.394 .385	.431	.185 .161	.253 .240	.173 .148	.030	.045	.156	.131		
M6.3	10	30B 320	.394 .385	.431	.185 .161	.253 .240	.173 .148	.030	.045	.156	.131		
M8	13	40B 335	.512 .501	.561	.236 .205	.334 .321	.224 .200	.035	.066	.204	.180	4	
M9.5	16	40B 336	.630 .619	.694	.295 .256	.393 .380	.289 .265	.035	.075	.269	.245		
M10	16	40B 336	.630 .619	.694	.295 .256	.393 .380	.289 .265	.035	.075	.269	.245		

NOTES:

1. SHAPE OF INDENTATION IS OPTIONAL.
2. RECESS DEPTH "T" AND RECESS PENETRATION INCLUDE THE HEIGHT INDENTATION MEASURED FROM THE HIGHEST PORTION OF THE HEAD.
3. RECESS PER PSC-779A.

REVISION 1 / UPDATE 02-09-00 2 / UPDATE 07-30-13

TITLE:

## PHILLIPS II® ANTI-CAM-OUT INDENTED HEXAGON HEAD SCREW

DRAWN:  
R. CHERLIN

DATE:  
05-08-97

DRAWING NUMBER

**P2HS-16B**

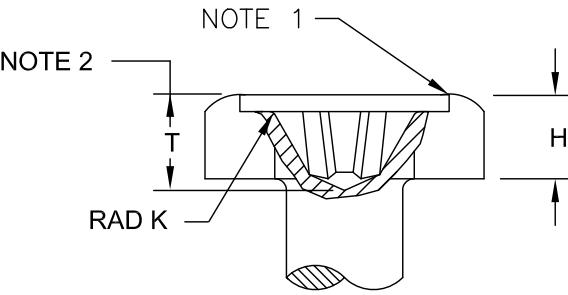
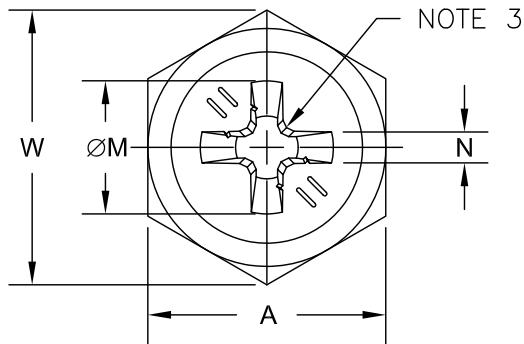
SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
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## MACHINE AND TAPPING SCREWS DIN 933 METRIC SIZES

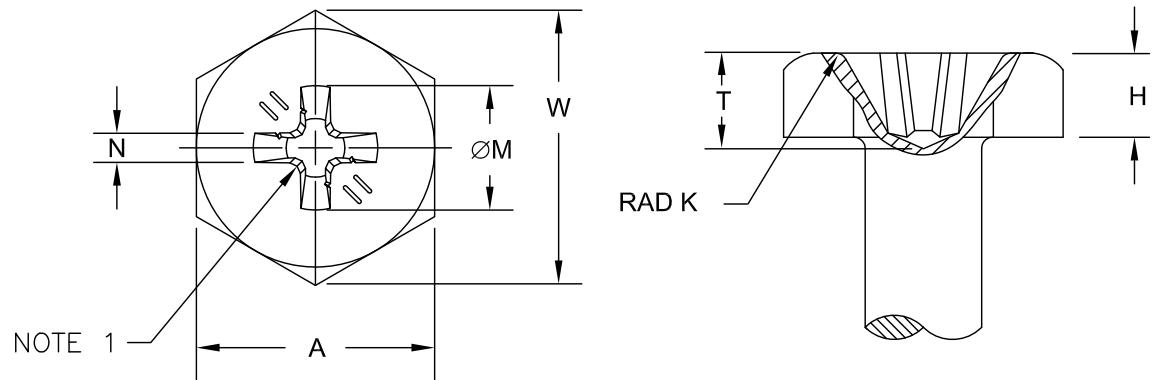
SCREW SIZE	HEX SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS						DRIVER SIZE				
			mm	A	W	H	ØM	NOTE 2	REF	MIN	RECESS PENETRATION NOTE 2					
											MAX	MIN				
M1.6	3.2	00B 33	.126 .119	.134	.048 .039	.068 .055	.051 .033	.076 .063	.059 .041	.010	.015	.044	.026	0		
M2	4	00B 34														
M2.5	5	10B 208	.197 .190	.215	.072 .062	.098 .085	.067 .049	.020	.027	.060	.042	.028	.071	.053	1	
M3	5.5	10B 209														
M3.5	6	20B 712	.236 .229	.259	.099 .090	.146 .133	.092 .067	.025	.031	.081	.056	.025	.033	.100	.075	2
M4	7	20B 713														
M5	8	20B 714	.315 .306	.346	.144 .132	.182 .169	.136 .111	.025	.035	.125	.100	.025	.035	.146	.121	3
M6	10	30B 321														
M7	11	30B 322	.433 .422	.477	.195 .183	.268 .255	.188 .163	.030	.046	.171	.146	.030	.046	.186	.162	4
M8	13	40B 335														
M10	17	40B 338	.669 .659	.744	.258 .245	.354 .341	.250 .226	.035	.069	.230	.206	.035	.069	.230	.206	

NOTES:

1. SHAPE OF INDENTATION IS OPTIONAL.
2. RECESS DEPTH "T" AND RECESS PENETRATION INCLUDE THE HEIGHT INDENTATION MEASURED FROM THE HIGHEST PORTION OF THE HEAD.
3. RECESS PER PSC-779A.

REVISION 1/ UPDATE 02-09-00 2/ UPDATE 7/30/13

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DRAWN: R. CHERLIN	DATE: 05-08-97	DRAWING NUMBER <b>P2HS-16C</b>											
CHECKED: G. LaMONICA	DATE: 10-19-05	SHEET 1 OF 1											
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326													
<p>PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ® HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY</p>													



## MACHINE & TAPPING SCREWS

SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS			RECESS DIMENSIONS					DRIVER SIZE	
		A	MIN	H	ØM	T	REF	MIN	RECESS PENETRATION		
									MAX	MIN	
4	10B 157	.188 .181	.202	.060 .049	.107 .094	.068 .052	.020	.028	.061	.045	1
6	20B 137	.250 .244	.272	.093 .080	.164 .151	.096 .073	.025	.033	.085	.062	2
8	20B 474	.250 .244	.272	.110 .096	.189 .176	.121 .098	.025	.035	.110	.087	
10	20B 147	.312 .305	.340	.120 .105	.204 .191	.136 .113	.025	.037	.125	.102	
12	30B 94	.312 .305	.340	.155 .139	.268 .255	.156 .133	.030	.046	.139	.116	3
14	30B 58	.375 .367	.409	.190 .172	.283 .270	.171 .148	.030	.048	.154	.131	
1/4	30B 58	.375 .367	.409	.190 .172	.283 .270	.171 .148	.030	.048	.154	.131	
20	40B 65	.500 .489	.545	.230 .208	.364 .351	.216 .194	.035	.071	.196	.174	4
5/16	40B 65	.500 .489	.545	.230 .208	.364 .351	.216 .194	.035	.071	.196	.174	
24	40B 66	.562 .551	.614	.295 .270	.393 .380	.245 .223	.035	.075	.225	.203	
3/8	40B 66	.562 .551	.614	.295 .270	.393 .380	.245 .223	.035	.075	.225	.203	
7/16	40B 67	.625 .610	.682	.348 .321	.409 .396	.261 .239	.035	.077	.241	.219	
1/2	40B 68	.750 .735	.820	.400 .367	.424 .411	.276 .254	.035	.079	.256	.234	

REVISION 1 / ECO# 135 2 / UPDATE 7/30/13  
10-19-00

### NOTES:

1. RECESS PER PSC-779A.

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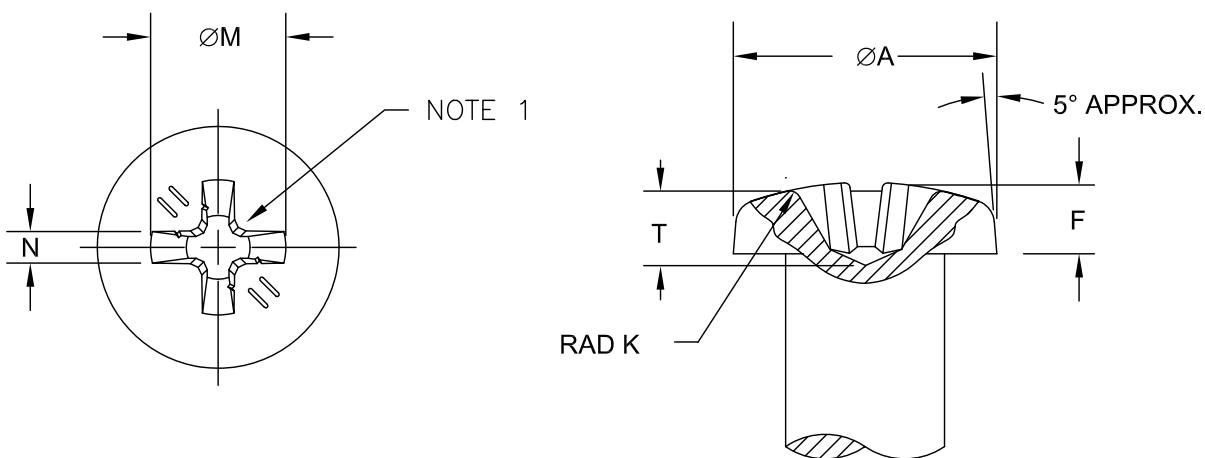
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### TITLE: PHILLIPS II® ANTI-CAM-OUT TRIMMED HEXAGON HEAD SCREW

DRAWN: R. CHERLIN	DATE: 05-08-97	DRAWING NUMBER
CHECKED: G. LaMONICA	DATE: 10-19-05	P2HS-17

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NO.	HEAD DIMENSIONS		RECESS DIMENSIONS					DRIVER SIZE	
		ØA	F	ØM	T	REF	MIN	RECESS PENETRATION		
						K	N	MAX	MIN	
0	00B 1	.100 .092	.035 .027	.075 .062	.048 .031	.010	.016	.041	.024	0
1	00B 3	.121 .113	.038 .031	.079 .066	.052 .036	.010	.017	.045	.029	
2	10B 66	.143 .133	.039 .034	.091 .078	.049 .033	.020	.026	.042	.026	
3	10B 86	.163 .153	.047 .041	.100 .087	.059 .042	.020	.027	.052	.035	1
4	10B 119	.184 .174	.054 .047	.110 .097	.069 .052	.020	.028	.062	.045	
6	20B 194	.226 .214	.066 .057	.151 .138	.079 .055	.025	.032	.068	.044	
8	20B 392	.268 .256	.079 .069	.160 .147	.089 .064	.025	.033	.078	.054	2
10	20B 197	.311 .297	.093 .081	.188 .175	.117 .093	.025	.035	.106	.082	
1/4	30B 109	.409 .391	.120 .105	.242 .229	.127 .103	.030	.043	.110	.086	3
5/16	30B 246	.510 .490	.151 .131	.294 .281	.179 .155	.030	.049	.162	.138	
3/8	40B 273	.610 .590	.178 .158	.328 .315	.176 .153	.035	.066	.156	.133	4

NOTES:

1. RECESS PER PSC-779A.

REVISION 1 / UPDATE 10-18-01 2 / UPDATE 7/30/13

TITLE:

## PHILLIPS II® ANTI-CAM-OUT E. K. MINIATURE PAN HEAD SCREW

DRAWN:

R. CHERLIN

DATE:

05-09-05

DRAWING NUMBER

P2HS-18

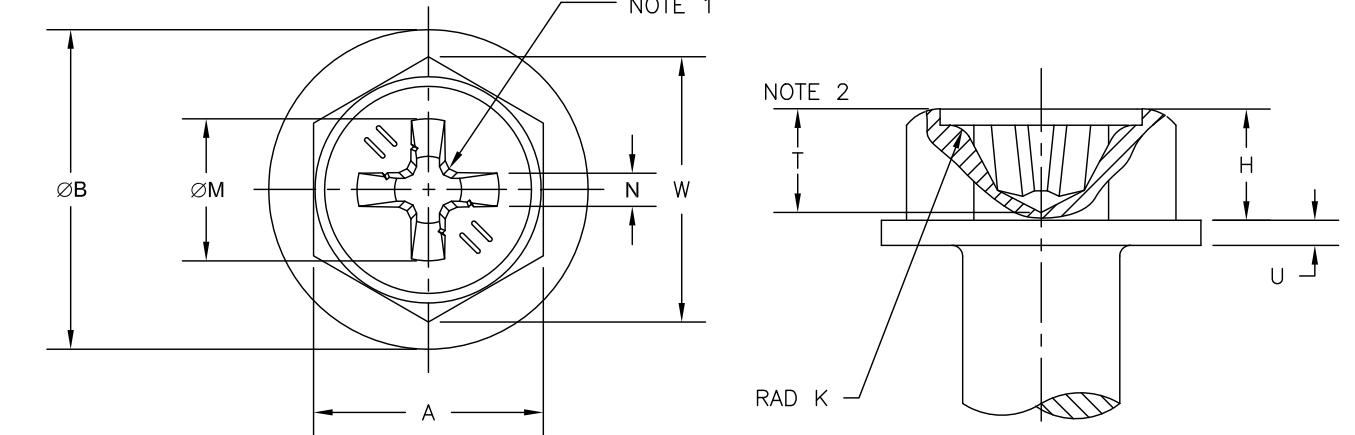
SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## INCH SIZES

SCREW SIZE	HEX SIZE	PUNCH NUMBER	HEAD DIMENSIONS					RECESS DIMENSIONS					DRIVER SIZE
			A	W (MIN.)	ØB	H	U	ØM	T	RAD K (REF.)	N (MIN.)	RECESS PENETRATION NOTE 2	
3 (TENTATIVE)	1/8	R10B 127	.125 .120	.134 .163	.177 .044	.055 .010	.016 .079	.092 .049	.068 .049	.020 .020	.026 .027	.061 .077	1
4	3/16	R10B 41	.188 .181	.202 .225	.243 .049	.060 .011	.019 .090	.103 .065	.084 .065	.020 .020	.027 .027	.058 .077	
6	1/4	R20B 100	.250 .244	.272 .302	.328 .080	.093 .015	.025 .141	.154 .080	.106 .080	.025 .025	.032 .032	.069 .095	2
8	1/4	R20B 102	.250 .244	.272 .322	.348 .096	.110 .019	.031 .161	.174 .100	.126 .100	.025 .025	.034 .034	.089 .115	
10	5/16	R20B 103	.312 .305	.340 .384	.414 .105	.120 .019	.031 .171	.184 .120	.146 .120	.025 .025	.034 .034	.135 .135	.109
1/4	3/8	R30B 71	.375 .367	.409 .480	.520 .172	.190 .030	.050 .270	.283 .182	.208 .182	.030 .030	.048 .048	.191 .191	3
5/16	1/2	R40B 242	.500 .489	.545 .624	.676 .208	.230 .035	.055 .317	.330 .215	.240 .215	.035 .035	.066 .066	.220 .220	.195
M2 (TENTATIVE)	3.2	R10B 204	.126 .119	.132 .154	.165 .040	.050 .008	.016 .079	.092 .049	.068 .049	.020 .020	.026 .026	.061 .061	.042
M2.5 (TENTATIVE)	-	R10B	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	1
M3 (TENTATIVE)	5	R10B 205	.197 .190	.211 .228	.244 .049	.060 .012	.020 .090	.103 .065	.084 .065	.020 .020	.027 .027	.077 .077	.058
M3.5	6	R20B 707	.236 .229	.259 .282	.309 .080	.093 .017	.025 .141	.154 .080	.106 .080	.025 .025	.032 .032	.095 .095	.069
M4	7	R20B 650	.276 .267	.302 .335	.362 .096	.110 .020	.028 .161	.174 .100	.126 .100	.025 .025	.034 .034	.115 .115	.089
M5	8	R20B 651	.315 .306	.346 .386	.413 .105	.120 .020	.031 .171	.184 .120	.146 .120	.025 .025	.035 .035	.135 .135	.109
M6	10	R30B 281	.394 .385	.435 .480	.520 .149	.165 .031	.051 .245	.258 .157	.183 .157	.030 .030	.045 .045	.166 .166	.140
M8	13	R40B 334	.512 .501	.559 .624	.676 .208	.230 .035	.055 .317	.330 .215	.240 .215	.035 .035	.066 .066	.220 .220	.195

NOTES: 1. RECESS PER PSC-779A.  
2. RECESS DEPTH 'T' AND RECESS PENETRATION INCLUDE THE HEIGHT OF THE INDENTATION.

REVISION 1 / ECO# 120 2 / ECO# 132 3 / UPDATE  
02-07-96 06-22-98 07/30/13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT INDENTED HEX WASHER HEAD

DRAWN:  
S. GREGORY

CHECKED:  
G. LAMONICA

DATE:  
08-12-94

DATE:  
10-19-05

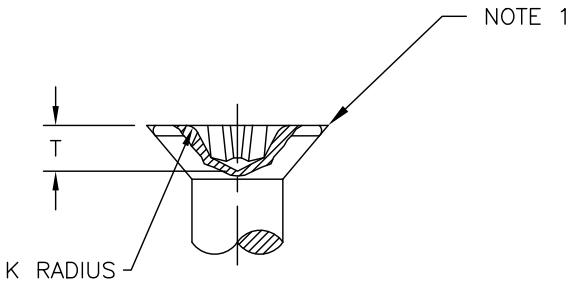
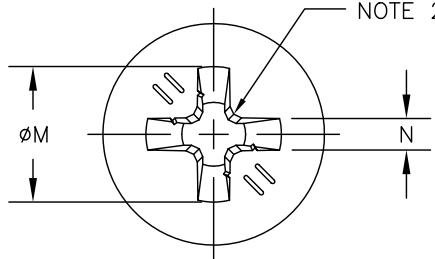
DRAWING NUMBER

P2HS-19

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## IFI & DIN METRIC STANDARDS

PART NUMBER	PUNCH NUMBER	M	T	MAX. RAD. K	MIN. WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 965-M1.6	00B 4	.068 .055	.043 .035	.010	.015	.039	.030	0
IFI 1982-M2	00B 28	.093 .080	.068 .060	.010	.019	.064	.055	0
IFI 1982-M2.2	00B 28	.093 .080	.068 .060	.010	.019	.064	.055	0
DIN 965-M2	10B 80	.095 .082	.056 .040	.020	.026	.049	.033	1
DIN 7982-M2.2	10B 183	.098 .085	.059 .043	.020	.027	.052	.036	1
DIN 7987-M2.6	10B 183	.098 .085	.059 .043	.020	.027	.052	.036	1
DIN 965-M2.5	10B 2	.107 .094	.068 .052	.020	.028	.061	.045	1
DIN 7997-M2.5	10B 2	.107 .094	.068 .052	.020	.028	.061	.045	1
DIN 7987-M3	10B 203	.110 .097	.071 .055	.020	.028	.064	.048	1
DIN 7982-M2.9	10B 184	.113 .100	.074 .058	.020	.029	.067	.051	1
IFI 1982-M2.5	10B 54	.117 .104	.078 .062	.020	.029	.071	.055	1
DIN 7997-M3	10B 54	.117 .104	.078 .062	.020	.029	.071	.055	1
DIN 965-M3	10B 54	.117 .104	.078 .062	.020	.029	.071	.055	1
IFI 1982-M2.9	10B 3	.128 .115	.089 .073	.020	.031	.082	.066	1
IFI 1982-M3	10B 3	.128 .115	.089 .073	.020	.031	.082	.066	1
DIN 965-M3.5	20B 1	.154 .141	.085 .063	.025	.032	.075	.052	2
DIN 7997-M3.5	20B 1	.154 .141	.085 .063	.025	.032	.075	.052	2
DIN 7987-M3.5	20B 704	.157 .144	.089 .066	.025	.032	.078	.055	2
DIN 7982-M3.5	20B 702	.162 .149	.094 .071	.025	.033	.083	.060	2
IFI 1982-M3.5	20B 705	.166 .153	.098 .075	.025	.033	.087	.064	2

REVISION 1/ UPDATED 2/ UPDATED  
10-19-01 07/30/13

### NOTES:

1. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
2. RECESS PER PSC-779A.

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## TITLE: PHILLIPS II® ANTI-CAM-OUT FLAT COUNTERSUNK HEAD SCREW

DRAWN: R. CHERLIN	DATE: 07-10-97	DRAWING NUMBER <b>P2HS-29</b>
CHECKED: G. LaMONICA	DATE: 10-19-05	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

PART NUMBER	PUNCH NUMBER	M	T	MAX. RAD. K	MIN. WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 7987-M4	20B 135	.169 .156	.101 .078	.025	.033	.090	.067	2
DIN 965-M4	20B 2	.174 .161	.106 .083	.025	.034	.095	.072	2
DIN 7997-M4	20B 2	.174 .161	.106 .083	.025	.034	.095	.072	2
DIN 7982-M3.9	20B 672	.179 .166	.111 .088	.025	.034	.100	.077	2
DIN 965-M5	20B 6	.182 .169	.114 .091	.025	.035	.103	.080	2
DIN 7982-M4.2	20B 6	.182 .169	.114 .091	.025	.035	.103	.080	2
DIN 7997-M4.5	20B 6	.182 .169	.114 .091	.025	.035	.103	.080	2
IFI 1982-M4	20B 6	.182 .169	.114 .091	.025	.035	.103	.080	2
IFI 1982-M4.2	20B 6	.182 .169	.114 .091	.025	.035	.103	.080	2
DIN 7987-M5	20B 3	.189 .176	.121 .091	.025	.035	.110	.087	2
DIN 7997-M5	20B 3	.189 .176	.121 .091	.025	.035	.110	.087	2
DIN 7982-M4.8	20B 703	.201 .188	.133 .110	.025	.036	.122	.099	2
IFI 1982-M4.8	20B 486	.204 .191	.136 .113	.025	.037	.125	.102	2
IFI 1982-M5	20B 486	.204 .191	.136 .113	.025	.037	.125	.102	2
DIN 7997-M5.5	30B 292	.240 .227	.128 .105	.030	.043	.111	.088	3
IFI 1982-M5.5	30B 302	.255 .242	.143 .120	.030	.045	.126	.103	3
DIN 965-M6	30B 316	.258 .245	.146 .123	.030	.045	.129	.106	3
DIN 7997-M6	30B 316	.258 .245	.146 .123	.030	.045	.129	.106	3
DIN 7987-M6	30B 291	.263 .250	.151 .128	.030	.046	.134	.111	3
DIN 7982-M5.5	30B 2	.268 .255	.156 .133	.030	.046	.139	.116	3
DIN 7997-M7	30B 2	.268 .255	.156 .133	.030	.046	.139	.116	3
IFI 1982-M6	30B 2	.268 .255	.156 .133	.030	.046	.139	.116	3
IFI 1982-M6.3	30B 2	.268 .255	.156 .133	.030	.046	.139	.116	3
DIN 7982-M6.3	30B 3	.283 .270	.171 .148	.030	.048	.154	.131	3
DIN 965-M8	40B 106	.341 .328	.193 .171	.035	.067	.173	.151	4
DIN 7997-M8	40B 106	.341 .328	.193 .171	.035	.067	.173	.151	4
DIN 7987-M8	40B 282	.349 .336	.201 .179	.035	.068	.181	.159	4
IFI 1982-M8	40B 282	.349 .336	.201 .179	.035	.068	.181	.159	4
DIN 965-M10	40B 332	.378 .365	.230 .208	.035	.073	.210	.188	4
DIN 7987-M10	40B 2	.398 .380	.245 .223	.035	.075	.225	.203	4
IFI 1982-M9.5	40B 2	.398 .380	.245 .223	.035	.075	.225	.203	4
IFI 1982-M10	40B 2	.398 .380	.245 .223	.035	.075	.225	.203	4

REVISION 1/ UPDATED 2/ UPDATED  
10-19-01 07/30/13

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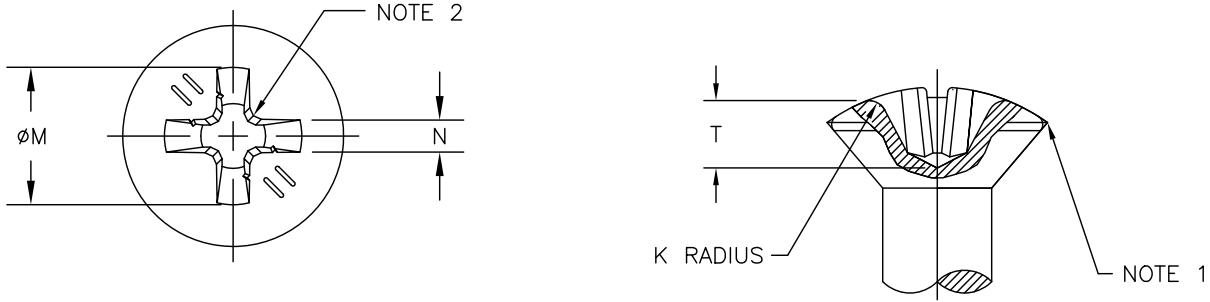
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT COUNTERSUNK HEAD SCREW**

DRAWN: R. CHERLIN	DATE: 07-10-97	DRAWING NUMBER <b>P2HS-29</b>
CHECKED: G. LAMONICA	DATE: 10-19-05	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

® PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE PHILLIPS SQUARE-DRIV ® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## IFI & DIN METRIC STANDARDS

PART NUMBER	PUNCH NUMBER	ØM	T	MAX. RAD. K	MIN. WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 966-M1.6	00B 32	.077 .064	.050 .040	.010	.016	.045	.036	0
IFI 1982-M2	00B 27	.101 .088	.074 .065	.010	.020	.069	.060	0
IFI 1982-M2.2	00B 27	.101 .088	.074 .065	.010	.020	.069	.060	0
DIN 966-M2	10B 192	.106 .093	.062 .045	.020	.028	.055	.038	1
DIN 7995-M2	10B 192	.106 .093	.062 .045	.020	.028	.055	.038	1
DIN 7988-M2.6	10B 175	.109 .096	.068 .051	.020	.028	.061	.044	1
DIN 966-M2.5	10B 193	.112 .099	.070 .053	.020	.029	.063	.046	1
DIN 7995-M2.5	10B 193	.112 .099	.070 .053	.020	.029	.063	.046	1
DIN 7983-M2.2	10B 177	.113 .100	.069 .051	.020	.029	.062	.044	1
DIN 7988-M3	10B 176	.124 .111	.084 .067	.020	.030	.077	.060	1
IFI 1982-M2.5	10B 190	.126 .113	.084 .067	.020	.030	.077	.060	1
DIN 766-M3	10B 179	.129 .116	.086 .069	.020	.031	.079	.062	1
DIN 7995-M3	10B 179	.129 .116	.086 .069	.020	.031	.079	.062	1
DIN 7983-M2.9	10B 178	.138 .125	.094 .076	.020	.032	.087	.069	1
IFI 1982-M2.9	10B 180	.145 .132	.103 .086	.020	.033	.096	.079	1
IFI 1982-M3	10B 180	.145 .132	.103 .086	.020	.033	.096	.079	1
DIN 7988-M3.5	20B 665	.170 .157	.099 .075	.025	.034	.088	.064	2
DIN 966-M3.5	20B 670	.172 .159	.099 .074	.025	.034	.088	.063	2
DIN 7995-M3.5	20B 670	.172 .159	.099 .074	.025	.034	.088	.063	2
IFI 1982-3.5	20B 675	.178 .165	.107 .083	.025	.034	.096	.072	2
DIN 7983-M3.5	20B 666	.181 .168	.105 .080	.025	.035	.094	.069	2

NOTES:

1. EDGE OF HEAD MAY BE ROUNDED OR FLAT.
2. RECESS PER PSC-779A.

REVISION 1 / UPDATED 2 / UPDATED  
10-19-01 07-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT METRIC OVAL HEAD SCREW

DRAWN:  
R. CHERLIN

DATE:  
07-10-97

DRAWING NUMBER

**P2HS-30**

CHECKED:  
G. LaMONICA

DATE:  
10-19-05

SHEET 1 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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PART NUMBER	PUNCH NUMBER	ØM	T	MAX. RAD. K	MIN. WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 966-M4	20B 673	.184 .171	.111 .087	.025	.035	.100	.076	2
DIN 7995-M4	20B 673	.184 .171	.111 .087	.025	.035	.100	.076	2
DIN 7988-M4	20B 536	.186 .173	.115 .091	.025	.035	.104	.080	2
DIN 7983-M3.9	20B 667	.186 .173	.111 .086	.025	.035	.100	.075	2
DIN 7983-M4.2	20B 668	.194 .181	.119 .094	.025	.036	.108	.083	2
IFI 1982-M4	20B 676	.200 .187	.128 .104	.025	.036	.117	.093	2
IFI 1982-M4.2	20B 676	.200 .187	.128 .104	.025	.036	.117	.093	2
DIN 7995-M4.5	20B 10	.205 .192	.132 .107	.025	.037	.121	.096	2
DIN 7983-M4.8	20B 669	.210 .197	.137 .112	.025	.037	.126	.101	2
DIN 966-M5	20B 671	.212 .199	.140 .115	.025	.037	.129	.104	2
DIN 7995-M5	20B 671	.212 .199	.140 .115	.025	.037	.129	.104	2
DIN 7988-M5	20B 537	.214 .201	.143 .119	.025	.038	.132	.108	2
IFI 1982-M4.8	20B 677	.228 .215	.156 .132	.025	.039	.145	.121	2
IFI 1982-M5	20B 677	.228 .215	.156 .132	.025	.039	.145	.121	2
DIN 966-M6	30B 296	.274 .261	.156 .131	.030	.047	.139	.114	3
DIN 7983-M5.5	30B 294	.276 .263	.156 .130	.030	.047	.139	.113	3
IFI 1982-M5.5	30B 300	.277 .264	.160 .136	.030	.047	.143	.119	3
DIN 7995-M5.5	30B 297	.286 .273	.167 .142	.030	.048	.150	.125	3
DIN 7988-M6	30B 293	.289 .276	.173 .149	.030	.049	.156	.132	3
DIN 7983-M6.3	30B 295	.292 .279	.173 .148	.030	.049	.156	.131	3
IFI 1982-M6	30B 301	.293 .280	.176 .152	.030	.049	.159	.135	3
IFI 1982-M6.3	30B 301	.293 .280	.176 .152	.030	.049	.159	.135	3
DIN 7995-M6	30B 298	.300 .287	.181 .156	.030	.050	.164	.139	3
DIN 7995-M7	30B 299	.333 .320	.215 .190	.030	.054	.198	.173	3
DIN 966-M8	40B 311L	.359 .346	.204 .180	.035	.070	.184	.160	4
DIN 7995-M8	40B 311L	.359 .346	.204 .180	.035	.070	.184	.160	4
DIN 7988-M8	40B 309L	.380 .367	.227 .204	.035	.073	.207	.184	4
IFI 1982-M8	40B 314L	.392 .379	.238 .214	.035	.074	.218	.194	4
DIN 966-M10	40B 312L	.406 .393	.251 .228	.035	.076	.231	.208	4
DIN 7988-M10	40B 310L	.439 .426	.287 .264	.035	.081	.267	.244	4
IFI 1982-M9.5	40B 315L	.444 .431	.290 .267	.035	.082	.270	.247	4
IFI 1982-M10	40B 315L	.444 .431	.290 .267	.035	.082	.270	.247	4

REVISION 1/ UPDATED 10-19-01 2/ UPDATED 07-30-13

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT METRIC OVAL HEAD SCREW

DRAWN:  
R. CHERLIN

DATE:  
07-10-97

DRAWING NUMBER

**P2HS-30**

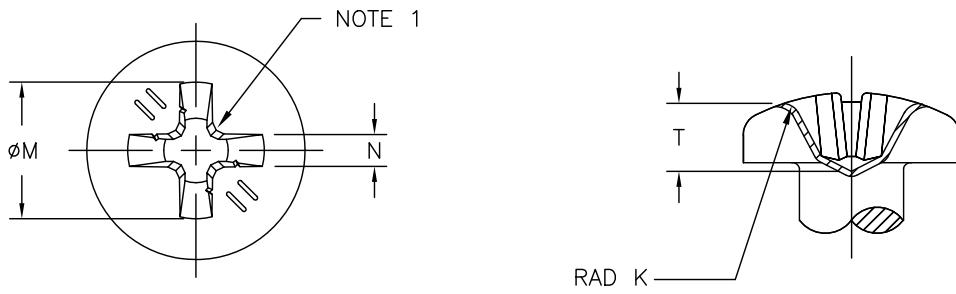
SHEET 2 OF 2

CHECKED:  
G. LaMONICA

DATE:  
10-19-05

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS® SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## IFI & DIN METRIC STANDARDS

PART NUMBER	PUNCH NUMBER	ØM	T	MAX. RAD. K	MIN. WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 7985-M1.6	00B 31	.075 .062	.047 .038	.010	.016	.043	.033	0
IFI 1982-M2	00B 29	.081 .068	.054 .044	.010	.017	.049	.040	0
IFI 1982-M2.2	00B 29	.081 .068	.054 .044	.010	.017	.049	.040	0
DIN 7996-M2.5	10B 198	.095 .082	.052 .034	.020	.026	.045	.027	1
DIN 7981-M2.2	10B 187	.104 .091	.059 .041	.020	.027	.052	.034	1
DIN 7985-M2	10B 200	.106 .093	.062 .045	.020	.028	.055	.038	1
IFI 1982-M2.5	10B 185	.112 .099	.068 .050	.020	.029	.061	.043	1
DIN 7985-M2.5	10B 201	.112 .099	.070 .053	.020	.029	.063	.046	1
DIN 7996-M3	10B 199	.113 .100	.070 .053	.020	.029	.063	.046	1
IFI 1982-M2.9	10B 186	.121 .108	.078 .061	.020	.030	.071	.054	1
IFI 1982-M3	10B 186	.121 .108	.078 .061	.020	.030	.071	.054	1
DIN 7981-M2.9	10B 197	.122 .109	.078 .060	.020	.030	.071	.053	1
DIN 7985-M3	10B 202	.129 .116	.086 .069	.020	.031	.079	.062	1
DIN 7996-M3.5	20B 706	.154 .141	.079 .054	.025	.032	.068	.043	2
IFI 1982-M3.5	20B 680	.160 .147	.086 .061	.025	.033	.075	.050	2
DIN 7981-M3.5	20B 21	.166 .153	.091 .065	.025	.033	.080	.054	2
DIN 7996-M4	20B 700	.168 .155	.094 .069	.025	.033	.083	.058	2
DIN 7985-M3.5	20B 702	.172 .159	.099 .074	.025	.034	.088	.063	2

NOTES:

1. RECESS PER PSC-779A.

REVISION 1/ UPDATED 10-18-01 2/ UPDATED 07-30-13

TITLE: **PHILLIPS II® ANTI-CAM-OUT PAN & RAISED CHEESE HEAD SCREW**

DRAWN: R. CHERLIN DATE: 07-10-97 DRAWING NUMBER

CHECKED: G. LaMONICA DATE: 10-19-05 SHEET 1 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

PART NUMBER	PUNCH NUMBER	ØM	T	MAX. RAD. K	WING WIDTH N	PENETRATION		DRIVER SIZE
						MAX	MIN	
DIN 7981-M3.9	20B 22	.175 .162	.100 .075	.025	.034	.089	.064	2
IFI 1982-M4	20B 681	.179 .166	.105 .080	.025	.034	.094	.069	2
IFI 1982-M4.2	20B 681	.179 .166	.105 .080	.025	.034	.094	.069	2
DIN 7996-M4.5	20B 701	.179 .166	.105 .081	.025	.034	.094	.070	2
DIN 7981-M4.2	20B 23	.182 .169	.107 .082	.025	.035	.096	.071	2
DIN 7985-M4	20B 703	.184 .171	.111 .087	.025	.035	.100	.076	2
DIN 7996-M5	20B 699	.193 .180	.120 .095	.025	.036	.109	.084	2
IFI 1982-M4.8	20B 682	.198 .185	.125 .100	.025	.036	.114	.089	2
IFI 1982-M5	20B 682	.198 .185	.125 .100	.025	.036	.114	.089	2
DIN 7981-M4.8	20B 25	.199 .186	.125 .100	.025	.036	.114	.089	2
DIN 7985-M5	20B 704	.212 .199	.140 .115	.025	.037	.129	.104	2
DIN 7996-M5.5	30B 317	.252 .239	.132 .107	.030	.045	.115	.090	3
IFI 1982-M5.5	30B 315	.259 .246	.139 .114	.030	.045	.122	.097	3
DIN 7981-M5.5	30B 21	.260 .247	.139 .114	.030	.045	.122	.097	3
DIN 7996-M6	30B 318	.268 .255	.148 .123	.030	.046	.131	.106	3
DIN 7985-M6	30B 313	.274 .261	.156 .131	.030	.047	.139	.114	3
IFI 1982-M6	30B 314	.279 .266	.159 .134	.030	.048	.142	.117	3
IFI 1982-M6.3	30B 314	.279 .266	.159 .134	.030	.048	.142	.117	3
DIN 7981-M6.3	30B 22	.281 .268	.161 .136	.030	.048	.144	.119	3
DIN 7996-M7	30B 185	.294 .281	.175 .150	.030	.049	.158	.133	3
DIN 7996-M8	40B 9	.350 .337	.193 .169	.035	.069	.173	.149	4
IFI 1982-M8	40B 316L	.358 .345	.201 .177	.035	.070	.181	.157	4
DIN 7985-M8	40B 328L	.359 .346	.204 .180	.035	.070	.184	.160	4
IFI 1982-M9.5	40B 317L	.404 .391	.248 .224	.035	.076	.228	.204	4
IFI 1982-M10	40B 317L	.404 .391	.248 .224	.035	.076	.228	.204	4
DIN 7985-M10	40B 333L	.406 .393	.251 .228	.035	.076	.231	.208	4
IFI 1982-M12	40B 318L	.437 .424	.283 .259	.035	.081	.263	.239	4

REVISION 1/ UPDATED 10-18-01 2/ UPDATED 07-30-13

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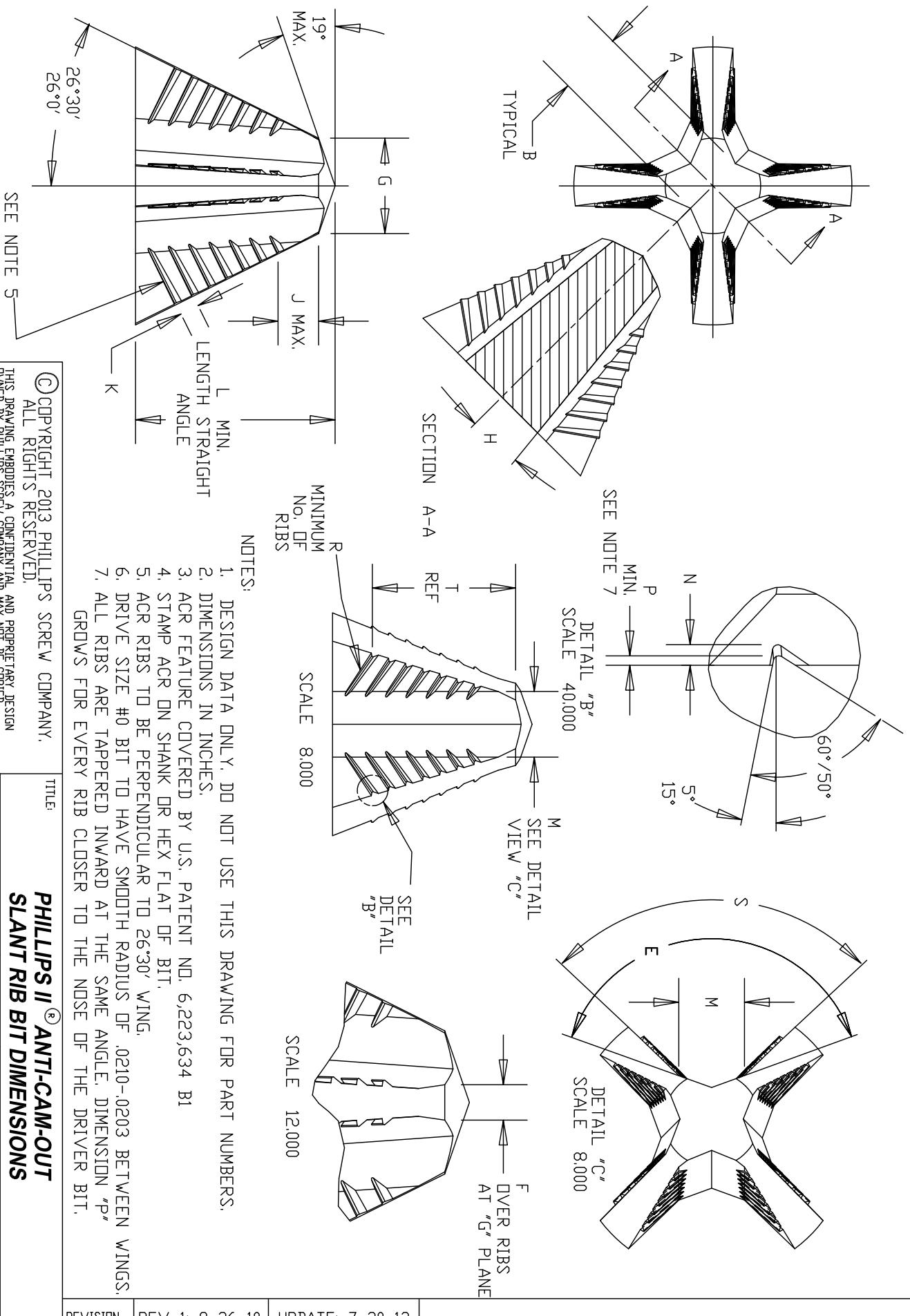
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
PAN & RAISED CHEESE HEAD SCREW**

DRAWN: R. CHERLIN	DATE: 07-10-97	DRAWING NUMBER <b>P2HS-31</b>
CHECKED: G. LaMONICA	DATE: 10-19-05	
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS® SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

**PHILLIPS II<sup>®</sup> ANTI-CAM-OUT ENGINEERING MANUAL****INDEX****BITS AND DRIVERS**

PSC-777-A	BIT POINT MASTER DIMENSIONS	7-30-13
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P2D-3	POWER BIT, HEXAGON GROOVED SHANK	7-30-13
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**PHILLIPS II® ANTI-CAM-OUT  
SLANT RIB BIT DIMENSIONS**

TITLE: **PHILLIPS II® ANTI-CAM-OUT  
SLANT RIB BIT DIMENSIONS**

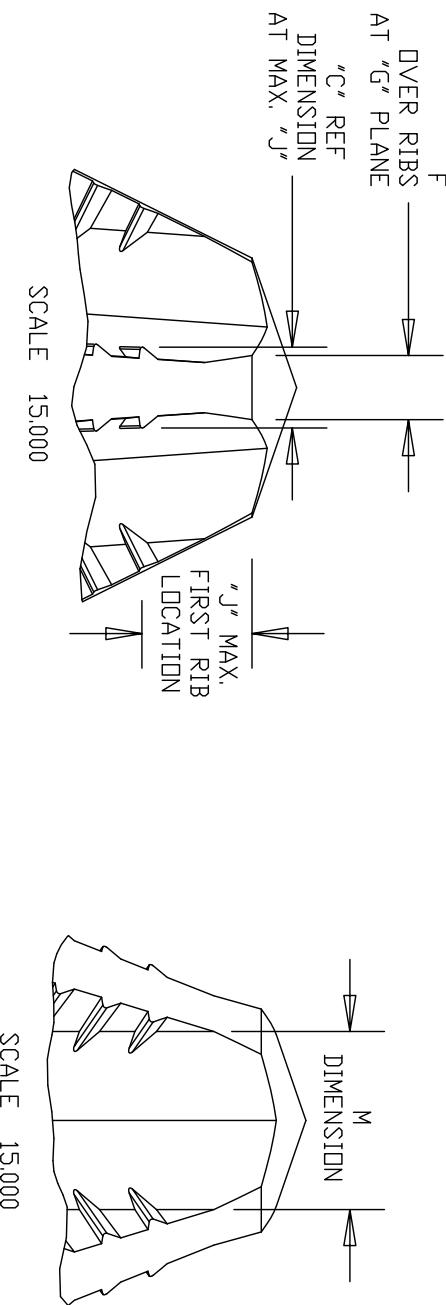
DRAWN: G.DILLING DATE: 7/30/08 DRAWING NUMBER

CHECKED: G.DILLING DATE: 7/30/08

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02039 USA,  
PHONE: 774-396-6190 FAX: 508-966-2326

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DRIVE SIZE	B ±.001	C REF	E +0°30' -0°0'	F OVER RIBS AT "G" PLANE	G ±.001	H +0°0' -0°30'	J MAX.	K MIN	L MIN ±.001	M MIN	P MIN	R MIN	S +0°30' -0°0'	T REF USING R MIN	
0	.0240	.014	NOTE 6	.011-.012	.032	7°0'	.016	.010-.012	.125	.0292	.0025-.0030	.001	4	92°0'	.046
1	.0394	.025	138°0'	.018-.021	.050	7°0'	.038	.016-.020	.150	.0393	.003-.004	.001	6	92°0'	.119
2	.0606	.030	140°0'	.023-.025	.090	5°45'	.038	.015-.022	.188	.0619	.004-.005	.002	7	92°0'	.135
3	.0983	.037	146°0'	.029-.031	.150	5°45'	.041	.015-.022	.281	.1037	.004-.005	.002	8	92°0'	.166
4	.1407	.053	153°0'	.041-.044	.200	7°0'	.055	.017-.024	.344	.1270	.004-.005	.002	11	92°0'	.252
5	.2310	.076	162°46'	.060-.063	.311	7°0'	.080	.025-.029	.531	.1935	.005-.006	.002	13	92°0'	.370
6	.2805	.116	157°57'	.086-.089	.374	7°0'	.149	.027-.032	.875	.2166	.005-.006	.003	15	92°0'	.525



SCALE 15.000

SCALE 15.000

SEE SHEET 1 FOR NOTES

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### PHILLIPS II® ANTI-CAM-OUT SLANT RIB BIT DIMENSIONS

TITLE: **PHILLIPS II® ANTI-CAM-OUT  
SLANT RIB BIT DIMENSIONS**

DRAWN: G.DILLING DATE: 7/30/08 DRAWING NUMBER:

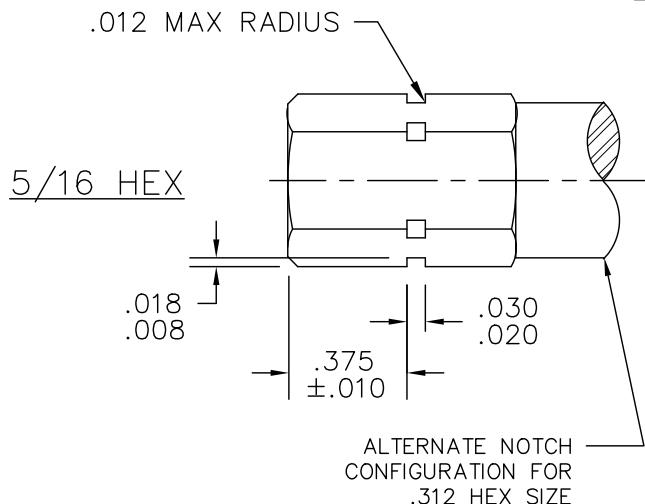
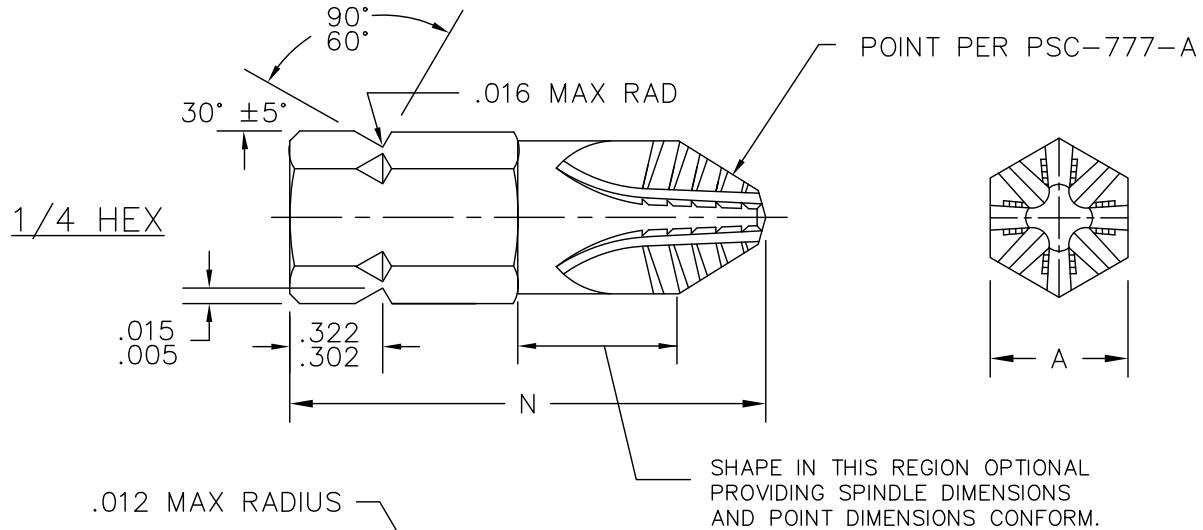
CHECKED: G.DILLING DATE: 7/30/08

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 774-366-2326

SHEET 2 OF 2

**PSC-777-A**

PHILLIPS II® PHILLIPS POZIDRIV® ACR PUZISQUARE® PHILLIPS SQUARE-DRIV® TURQ-SET® TRI-MING® MORTISING® HEXSTIX® ARE REGISTERED TRADEMARKS OF PHILLIPS SCREW CO.



DASH NUMBER	RECESS SIZE	A +.000 -.004	N ±.120
1	0	.250	1.000
2	1	.250	1.000
3	1	.312	1.250
4	2	.250	1.000
5	2	.250	2.000
6	2	.312	1.250
7	3	.250	1.000
8	3	.312	1.250
9	4	.250	1.250
10	4	.312	1.250

NOTES:

- Driver bits procured to this drawing shall conform to the requirements of PG-1.
- Hardness range shall be in accordance with PG-1
- The sizes shown in the table represent typical driver dimensions. Consult Phillips Screw Company approved licensees for availability of their typical sizes and special orders.

REVISION REV 1 UPDATE  
7-30-08 7-30-13

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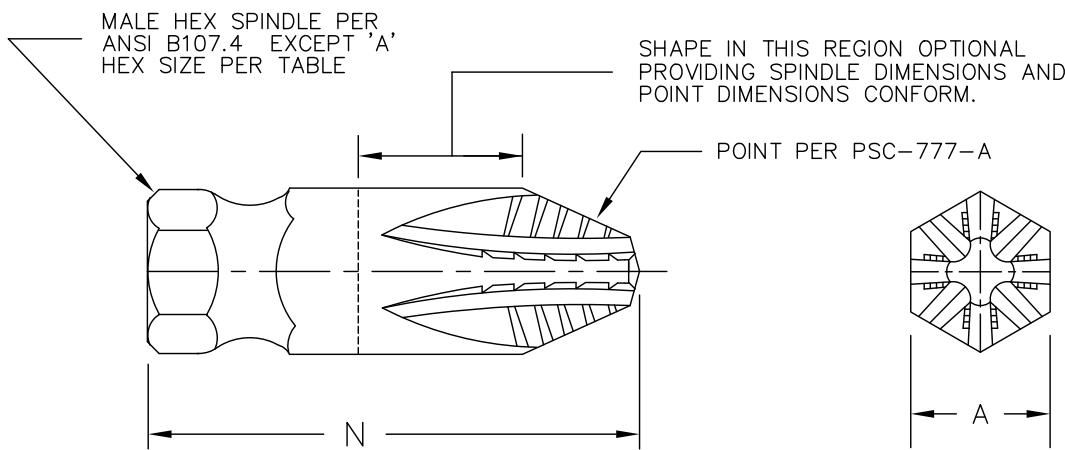
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
DRIVER BIT, NOTCHED HEX SHANK**

DRAWN: C. RYCHWA	DATE: 08-18-99	DRAWING NUMBER <b>P2D-2</b>
CHECKED: G. LaMONICA	DATE: 03-28-05	SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



DASH NUMBER	RECESS SIZE	A +.000 -.004	N $\pm .120$
1	0	.250	1.000
2	1	.250	1.000
3	2	.250	1.000
4	2	.312	1.250
5	3	.250	1.000
6	3	.312	1.250
7	3	.438	1.250
8	4	.312	1.250
9	4	.438	1.250
10	4	.625	1.250
11	5	.625	2.250
12	6	.750	3.000

NOTES:

- Driver bits procured to this drawing shall conform to the requirements of PG-1.
- Hardness range shall be in accordance with PG-1
- The sizes shown in the table represent typical driver dimensions. Consult Phillips Screw Company approved licensees for availability of their typical sizes and special orders.

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7-30-08 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
DRIVER BIT, HEXAGON GROOVED SHANK**

DRAWN: C. RYCHWA DATE: 08-18-99 DRAWING NUMBER

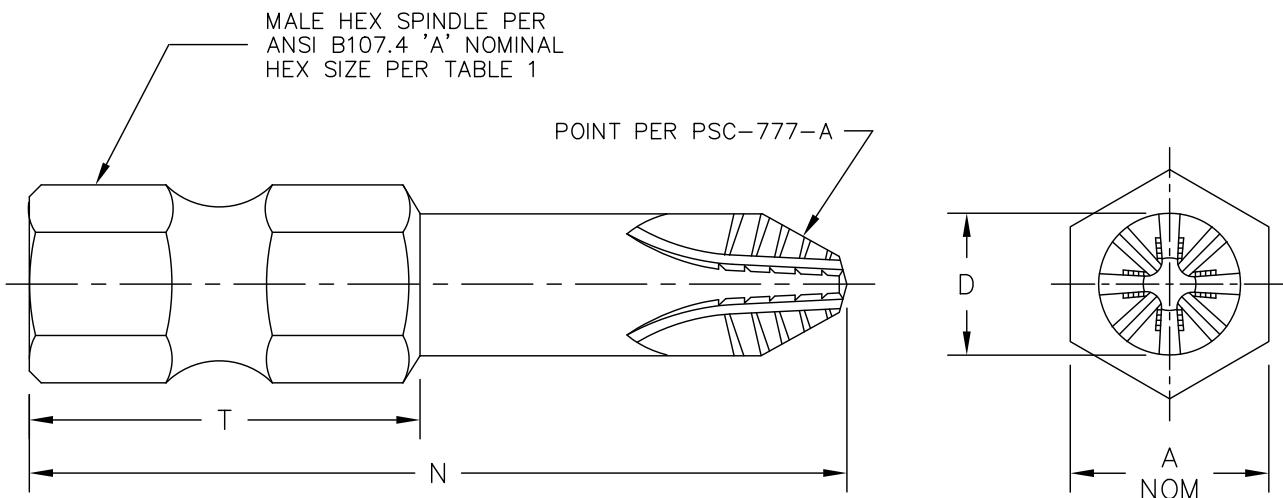
CHECKED: G. LaMONICA DATE: 03-28-05

**P2D-3**

SHEET 1 OF 1

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PHONE: 774-396-6190 FAX: 508-966-2326

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RECESS SIZE	A +.000 -.004	D +.000 -.004	T ±.60	N ±.12			
				1.94	2.75	3.50	6.00
				DASH NUMBER			
0	.250	.125		1	11	21	31
1	.250	.125		2	12	22	32
1	.250	.188		3	13	23	33
2	.250	.188		4	14	24	34
2	.250	.250		5	15	25	35
3	.250	.250		6	16	26	36
3	.250	.312		7	17	27	37
3	.438	.312		—	18	28	38
3	.438	.438		—	19	29	39
4	.250	.375	.75	40	—	—	—
4	.438	.375		—	—	61	—
5	.438	.625		—	—	62	—

NOTES:

- Driver bits procured to this drawing shall conform to the requirements of PG-1.
- Hardness range shall be in accordance with PG-1
- The sizes shown in the table represent typical driver dimensions. Consult Phillips Screw Company approved licensees for availability of their typical sizes and special orders.

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7-30-08 7-30-13

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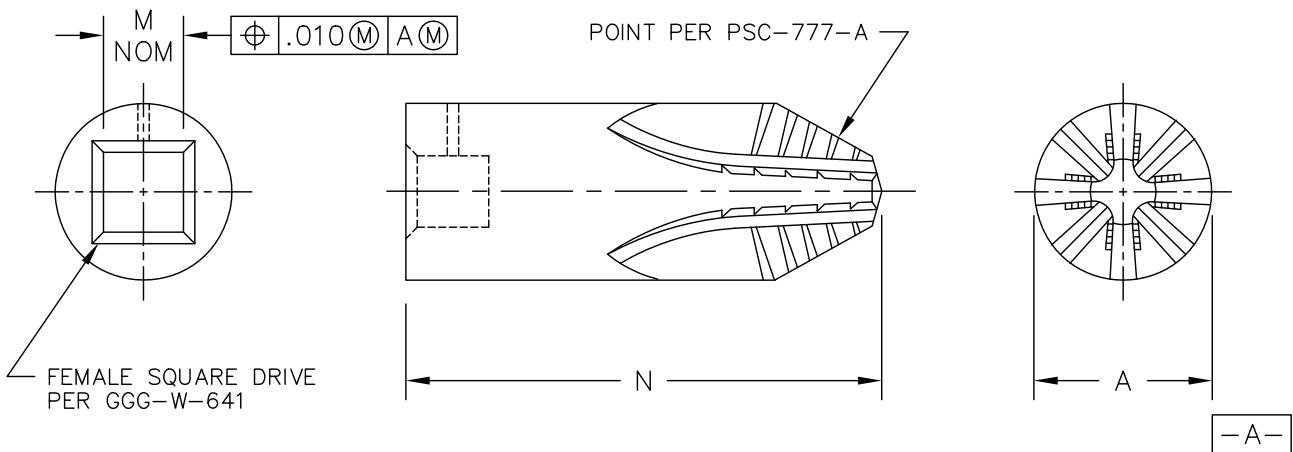
TITLE: **PHILLIPS II® ANTI-CAM-OUT DRIVER BIT  
EXTENDED POINT, HEX SHANK**

DRAWN: C. RYCHWA DATE: 08-18-99 DRAWING NUMBER

CHECKED: G. LaMONICA DATE: 03-28-05 SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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DASH NUMBER	RECESS SIZE	A +.000 -.004	N ±.12	M NOMINAL
1	4	.750	1.50	.375
2	4	.875	1.75	.500
3	5	.875	2.00	.500
4	6	1.250	2.25	.625

NOTES:

- Driver bits procured to this drawing shall conform to the requirements of PG-1.
- Hardness range shall be in accordance with PG-1
- The sizes shown in the table represent typical driver dimensions. Consult Phillips Screw Company approved licensees for availability of their typical sizes and special orders.

REVISION | REV 1 | UPDATE  
7-30-08 | 7-30-13

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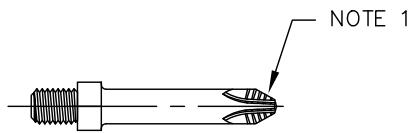
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
DRIVER BIT, SQUARE DRIVE, FEMALE**

DRAWN: C. RYCHWA	DATE: 08-18-99	DRAWING NUMBER <b>P2D-5</b>
CHECKED: G. LaMONICA	DATE: 03-28-05	
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

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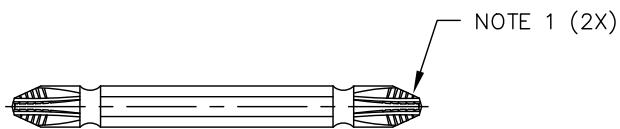
## OPTIONAL DRIVE TYPES (Note 2)

THREADED SCREW  
SHANK DRIVE



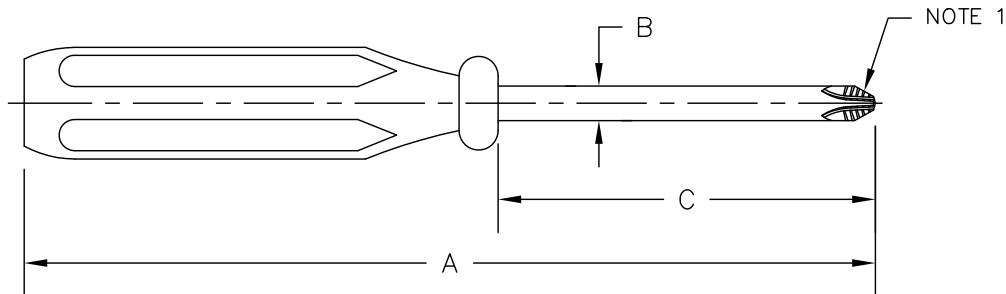
THREAD SIZE: \_\_\_\_\_  
LENGTH: \_\_\_\_\_

HEX POWER DRIVE –  
DOUBLE ENDED

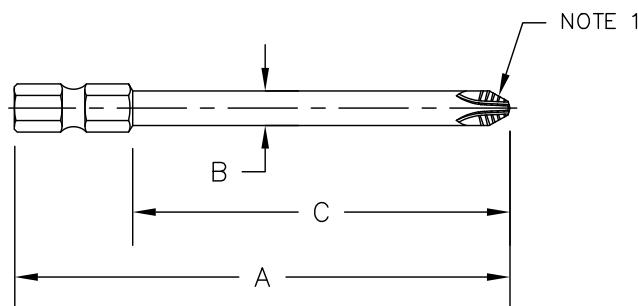
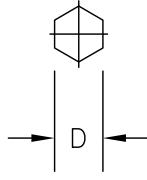


HEX SIZE: \_\_\_\_\_  
LENGTH: \_\_\_\_\_

HAND DRIVER



## OPTIONAL HEX INSERT OR POWER DRIVE SIZES (Note 2)



(A) OVERALL LENGTH: \_\_\_\_\_

(B) BODY DIAMETER: \_\_\_\_\_

(C) TURNED LENGTH: \_\_\_\_\_

(D) HEX SIZE: \_\_\_\_\_

NOTES:

1. Point dimensions per drawing PSC-777-A.
2. Consult Phillips Screw Company approved licensees for availability of optional drive types and special design requests.

REVISION	REV 1	UPDATE	7-30-08 / 7-30-13
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## TITLE: **PHILLIPS II® ANTI-CAM-OUT OPTIONAL DRIVE TYPES AND SIZES**

DRAWN: C. RYCHWA	DATE: 08-18-99	DRAWING NUMBER <b>P2D-6</b>
CHECKED: G. LaMONICA	DATE: 03-28-05	SHEET 1 OF 1
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

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**PHILLIPS II<sup>®</sup> ANTI-CAM-OUT ENGINEERING MANUAL****INDEX****GAUGES**

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PG-11	TORQUE TEST BLOCKS FOR BIT POINTS	07-30-13
PG-17	RECESS WOBBLE GAUGE	07-30-13

## **1. SCOPE**

This specification defines the recess inspection requirements for initial qualification inspection, first article inspection at the header and the final quality conformance inspection of Phillips II® Anti-Cam-Out recess.

Inspection practice in accordance with procedures, sampling plans and specified gage sets forth herein will guarantee product uniformity for dimension, appearance, and function.

## **2. INSPECTION PLANS**

### **2.1 Initial Qualification:**

Phillips Screw Company shall perform initial qualification inspection. Initial product qualification inspection is required by the product and trademark licenses agreement.

A required minimum of 50 pieces of each recess size and head style are to be qualified. Phillips Screw Company shall retain 25 pieces for reference material.

### **2.2 Periodic Inspection:**

Every (4) months a letter is sent requesting a minimum of 5 pieces of each recess size and head style, as required by the product and trademark licenses agreement.

### **2.3 First Article Inspection:**

The first article inspection requirements must be met at the header. Any defects in visual inspection or gage readings beyond the stated limits require head adjustment. This indicates a defective or incorrect punch number.

### **2.4 Final Quality Conformance Inspection:**

Typical random sample of sizes of the screw lot must meet the inspection requirements listed below.

## **3. INSPECTION REQUIREMENTS**

### **3.1 Visual Inspection:**

Visual inspection uses an optical magnifying device of at least 10(X) power. Visually inspect the recess for the following:

3.1.1 Presence of two pairs of ACR® ribs located in the quadrants where the Phillips II® head markings exist per drawing PSC-790.

3.1.2 Definition of rib and recess formation. All surface intersections should exhibit clean radii.

3.1.3 The presence of irregular surfaces, as may be caused by a chipped punch are acceptable, provided that both the gage penetration and torque values obtained are acceptable.

REVISION | UPDATE 7-30-13

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## **TITLE: RECESS INSPECTION PROCEDURE PHILLIPS II® ANTI-CAM-OUT**

DRAWN: C. RYCHWA	DATE: 06-16-99	DRAWING NUMBER <b>P2G-0</b>
CHECKED: G. LAMONICA	DATE: 10-24-05	
SHEET 1 OF 5		
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### 3.2 Recess Wobble Gaging:

The wobble of a master plug gage, per PG-3, into an Phillips II® Anti-Cam-Out recess. The Phillips wobble gage assembly is shown on print PG-17 of the Phillips II® technical manual. Screws coated to a thickness greater than .0003 inches shall be stripped of such coating before inspection.

The limits of angular wobble for various recess sizes are as follows:

<b>Recess size</b>	<b>Allowable Wobble Angle</b>
0	6
1	6
2	6
3	6
4	6

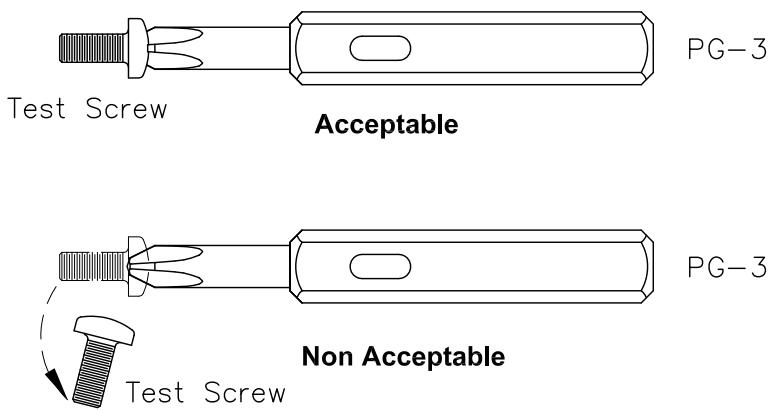
**TABLE I**

Any individual piece having a reading beyond the tabulated limits shall be considered a defective recess.

### 3.3 Functional Gage Fit:

This feature defines the functional gage fit of the Phillips II® recess. This is achieved when a screw blank or finished screw is pushed with light finger pressure on to a plug gage. The screw should remain on the gage when both are held in a horizontal position. See figure 1 below for a depiction of acceptable / non-acceptable criterion.

**Figure 1**



REVISION 3-02-10 | UPDATE 7-30-13

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## TITLE: **RECESS INSPECTION PROCEDURE PHILLIPS II® ANTI-CAM-OUT**

DRAWN: C. RYCHWA	DATE: 06-16-99	DRAWING NUMBER <b>P2G-0</b>
CHECKED: G. LAMONICA	DATE: 10-24-05	
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**3.4 Penetration Gage:**

Using the appropriate sized penetration gage assembly per PG-10.

3.4.1 Check the zero adjustment against a known flat piece of steel stock.

3.4.2 Measure and record the gage penetration. Readings obtained must be within acceptable limits per the applicable Phillips II® Head Standards (P2HS) drawing sheets.

3.4.3 Measurements out of tolerance shall be cause for rejection.

**3.5 Depth Gaging:**

Using a suitable depth gage, measure and record the depth of the recess point from the recess diameter plane. The depth shall conform to the limits of the applicable parts standard. Measurements out of tolerance shall be cause for rejection.

**3.6 Head Discontinuities:**

Using the same sample lot, examine each piece for head discontinuities in accordance with figure 2, page #5 of this document. Any individual piece exceeding these limits shall be considered a defective.

Accept the lot for further inspection if less than the allowable number of defectives are found.

Reject the lot if more than the allowable number of defectives are found.

**3.7 Recess to Shank Eccentricity:**

Using the same sample lot, inspect each piece for eccentricity of recess shank. Generally, this inspection will be most readily accomplished by a simple visual examination.

The recesses in screw heads shall not be eccentric with screw bodies by more than 6% of the nominal (basic) body diameter or .015", whichever is the greater. Table 2 lists the amount of recess eccentricity permitted for popular screw sizes.

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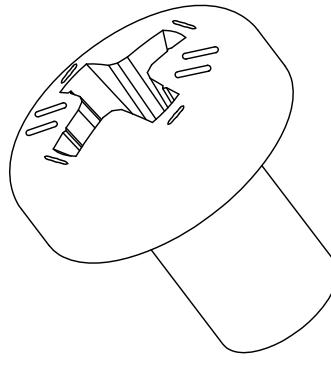
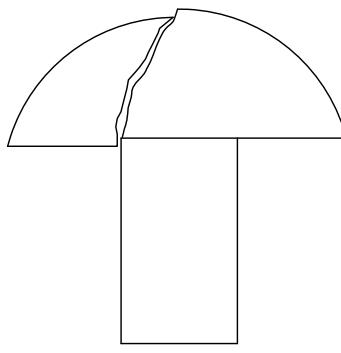
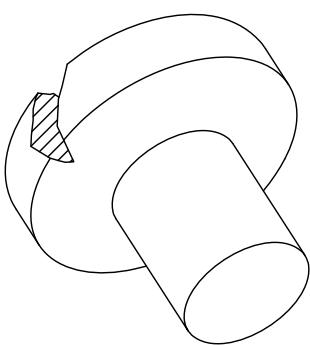
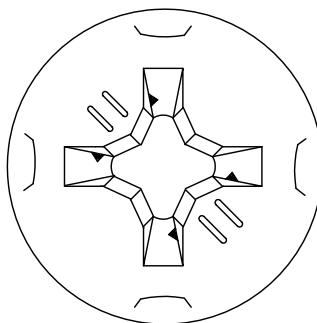
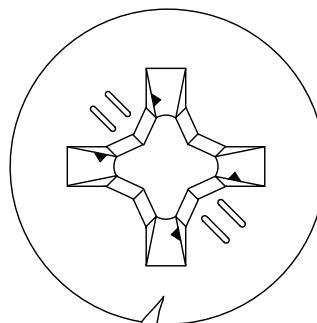
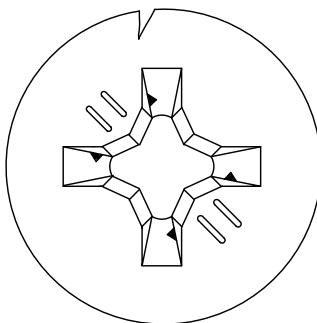
**TITLE: RECESS INSPECTION PROCEDURE  
PHILLIPS II® ANTI-CAM-OUT**

DRAWN: C. RYCHWA	DATE: 06-16-99	DRAWING NUMBER <b>P2G-0</b>
CHECKED: G. LaMONICA	DATE: 10-24-05	

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**Figure 2**

**NOT ACCEPTABLE**



(1)

(2)

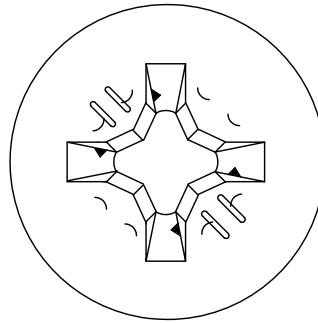
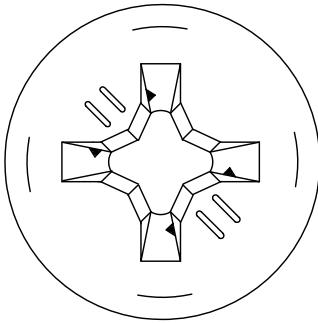
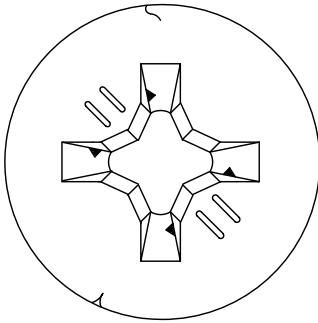
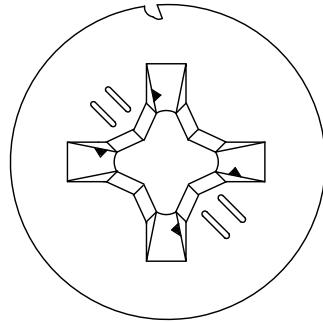
(3)

LARGE OPEN IMPERFECTIONS  
EXTENDING OVER 1/2 WAY  
TO RECESS

OPEN ANGULAR IMPERFECTIONS  
ON EDGE OF HEAD

SLIVERS OR LOOSE  
FLAKES ON TOP OF HEAD

**ACCEPTABLE**



(4)

(5)

(6)

(7)

MULTIPLE IMPERFECTIONS  
NOT EXTENDING 1/2 WAY  
TO RECESS AND NOT  
AFFECTING USEABILITY

SLIGHT HAIR LINES

SLIGHT RECESS FLOW  
LINES

SLIGHT TOOL MARKS  
SLIGHT PIN MARKS

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TITLE:

**RECESS INSPECTION PROCEDURE  
PHILLIPS II® ANTI-CAM-OUT**

DRAWN:

C. RYCHWA

DATE:

06-16-99

DRAWING NUMBER

**P2G-0**

SHEET 4 OF 5

CHECKED:

G. LAMONICA

DATE:

10-24-05

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Table 2

<u>Screw Size</u>	<u>Normal Body Diameter</u>	<u>Allowable Eccentricity</u>
0	.060	.015
1	.073	.015
2	.086	.015
3	.089	.015
4	.112	.015
5	.125	.015
6	.138	.015
7	.151	.015
8	.164	.015
9	.177	.015
10	.190	.015
12	.216	.015
14	.242	.015
1/4	.250	.015
16	.268	.016
18	.294	.018
5/16	.3125	.019
20	.320	.019
24	.372	.022
3/8	.375	.023
7/16	.4375	.026
1/2	.500	.030

<u>Screw Size (Metric)</u>	<u>Normal Body Diameter</u>	<u>Allowable Eccentricity</u>
	(Inches)	(Inches)
M1.6	.063	.015
M2	.079	.015
M2.2	.087	.015
M2.9	.114	.015
M3	.118	.015
M3.5	.138	.015
M3.9	.154	.015
M4	.157	.015
M4.2	.165	.015
M4.5	.177	.015
M4.8	.189	.015
M5	.197	.015
M5.5	.216	.015
M6	.236	.015
M6.3	.248	.015
M7	.276	.016
M8	.315	.019
M9.5	.374	.022
M10	.394	.024
M12	.472	.028

Any individual piece exceeding these limits shall be considered a defective.  
Accept the lot if fewer than the allowable number of defectives are found.  
Reject the lot if more than the allowable number of defectives are found.

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TITLE: **RECESS INSPECTION PROCEDURE  
PHILLIPS II® ANTI-CAM-OUT**

DRAWN: C. RYCHWA	DATE: 06-16-99	DRAWING NUMBER <b>P2G-0</b>
CHECKED: G. LAMONICA	DATE: 10-24-05	SHEET 5 OF 5
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# PHILLIPS II® ANTI-CAM-OUT BIT AND DRIVER SPECIFICATION

## 1.0 Scope:

1.1 The following document covers the equipment, procedures, test values and inspection criteria for Phillips II Anti-Cam-Out screwdrivers, insert bits and power bits.

## 2.0 Applicable Drawings:

- 2.1 PSC-777-A drawing for bit and driver point dimensions.
- 2.2 PG-2 drawing for bit and driver point ring gage.
- 2.3 PG-11 drawing for bit torque test block.

## 3.0 Requirements:

3.1 Materials ~ The materials used to manufacture Phillips II bits and drivers shall conform to the material specified within this document, or have suitable characteristics in the final product form to satisfy the dimensional and physical tests specified in this document.

3.2 Markings ~ ACR ribbed Phillips II bits and screwdrivers shall be marked as follows:

3.2.1 Bit marking shall consist of the letters "ACR" followed directly by the point size and "-C" (i.e. ACR2-C). The manufacturer may include the company's name, trademark or symbol, if they so desire.

3.2.2 In the case of hand screwdrivers, the handle and ferrule may be utilized for the above markings in 3.2.1.

3.3 Dimensions ~ All Phillips II bit and driver points shall conform to Phillips Screw Company's drawing PSC-777-A.

3.4 Quality ~ The workmanship shall be of the highest quality throughout.

Phillips II bits and screwdrivers shall be free from rust, fins, burrs, sharp or rough edges, corners or surfaces and defects which may impair their serviceability or durability.

## 4.0 Detail Requirements:

4.1 Materials ~ Phillips II screwdrivers and bits shall be made from the following recommended, equivalent or superior material.

4.1.1 Hand Screwdrivers ~ These drivers shall be made from AISI S2 steel, or equivalent and heat-treated to a hardness of Rc 56-60.

4.1.2 Insert and Power Bits ~ These bits shall be made from AISI S2 steel, or equivalent and heat-treated to a hardness of Rc 56-60.

REVISION: UPDATE: 7-30-13

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TITLE: **BIT AND DRIVER SPECIFICATION**  
**PHILLIPS II® ANTI-CAM-OUT**

DRAWN: L. DOUGAN DATE: 07-30-08 DRAWING NUMBER

**PG-1**

CHECKED: G. DILLING DATE: 07-30-08

SHEET 1 OF 5

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#### 4.1.3 Steel ~

##### 4.1.3.1 AISI S2 – Type Analysis

Carbon	.50	–	.55
Manganese	.45	–	.55
Silicon	.90	–	1.10
Molybdenum	.45	–	.55
Vanadium	.15	–	.25

#### 4.2 Test Requirements and Procedures:

All Phillips II bits and drivers shall meet the minimum torsional strength specified under each type shown below:

##### 4.2.1 Hand Screwdrivers and Power Bits ~ Minimum torque strength:

<u>Point Size</u>	<u>Torque (IN-LBS)</u>
ACR0-C	12
ACR1-C	33
ACR2-C	90
ACR3-C	325
ACR4-C	500
ACR5-C	900

4.2.2 Test Blocks ~ Screwdrivers and bits shall be tested in test blocks having the same form and size of recess as the bit point being tested. PHILLIPS II screwdriver and bit test blocks shall be in accordance with drawing PG-11.

4.2.3 Test Procedures ~ The torsional loads shall be applied either with suitable torque wrenches or by means of a suitable lever system with dead weights.

4.2.3.1 The driver or bit must be inserted fully into the test block PG-11 and restrained in a hold down device to provide firm and positive engagement with no axial movement.

4.2.3.2 The torsional load at failure shall be taken as the strength of the driver or bit.

#### 4.3 Sampling and Inspection Procedure:

##### 4.3.1 Visual and Dimensional Inspection Sampling:

4.3.1.1 Initial Qualification ~ Phillips Screw Company shall perform initial qualification inspection as required by the patent and trademark license agreements. A required minimum of 25 pieces of each bit point size are to be qualified.

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UPDATE: 7-30-13

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TITLE: **BIT AND DRIVER SPECIFICATION**  
**PHILLIPS II® ANTI-CAM-OUT**

DRAWN: L. DOUGAN DATE: 07-30-08 DRAWING NUMBER

**PG-1**

SHEET 2 OF 5

CHECKED: G. DILLING DATE: 07-30-08

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4.3.1.2 Periodic Inspection ~ Ever four (4) months a letter is sent requesting a minimum of three (3) pieces of each bit point size as required by the patent and trademark license agreements.

4.3.1.3. Final Quality Conformance Inspection ~ All drivers and bits of the same size, class and type presented at one time shall be considered a lot for purpose of acceptance in inspection and test. Typical industry standards for random sample of bits from each lot shall be inspected for visual and dimensional characteristics.

4.3.2 Point Dimensions ~ Conformance to the required dimensions for the point shall be determined by the use of the PHILLIPS II Anti-Cam-Out bit point gage PG-2

4.3.2.1 Acceptance ~

See PG-1 sheet 4 of 5 for acceptance of the bit. The (G) plane of the bit is between the top and bottom steps of the ring gage.

4.3.2.2 Rejection ~ The bit point is rejected if the G plane extends beyond the top step (see PG-1 sheet 5 of 5 Figure 1)) or falls short of the bottom step (see PG-1 sheet 5 of 5 Figure 2).

4.3.3 Hardness ~ Specified hardness requirements shall be tested on a Rockwell tester, using a diamond penetrator and employing a 150-kilogram major load.

Surfaces shall be suitably ground for test. Plating, decarburization shall be removed before testing. The hardness of all drivers shall be taken as near to the tip as practicable. For convenience in inspection, bits may be checked on the surface of hex (non-destructive test), however, if readings exceed the limits then the bit surface must be suitably ground.

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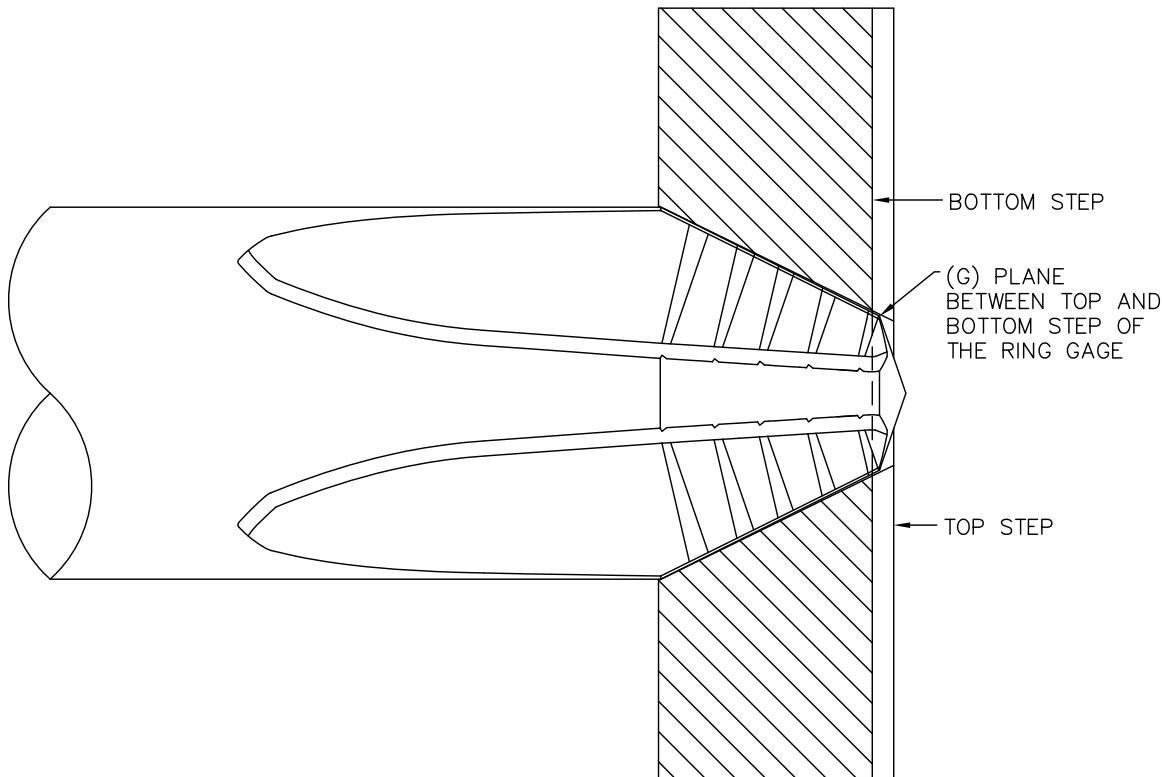
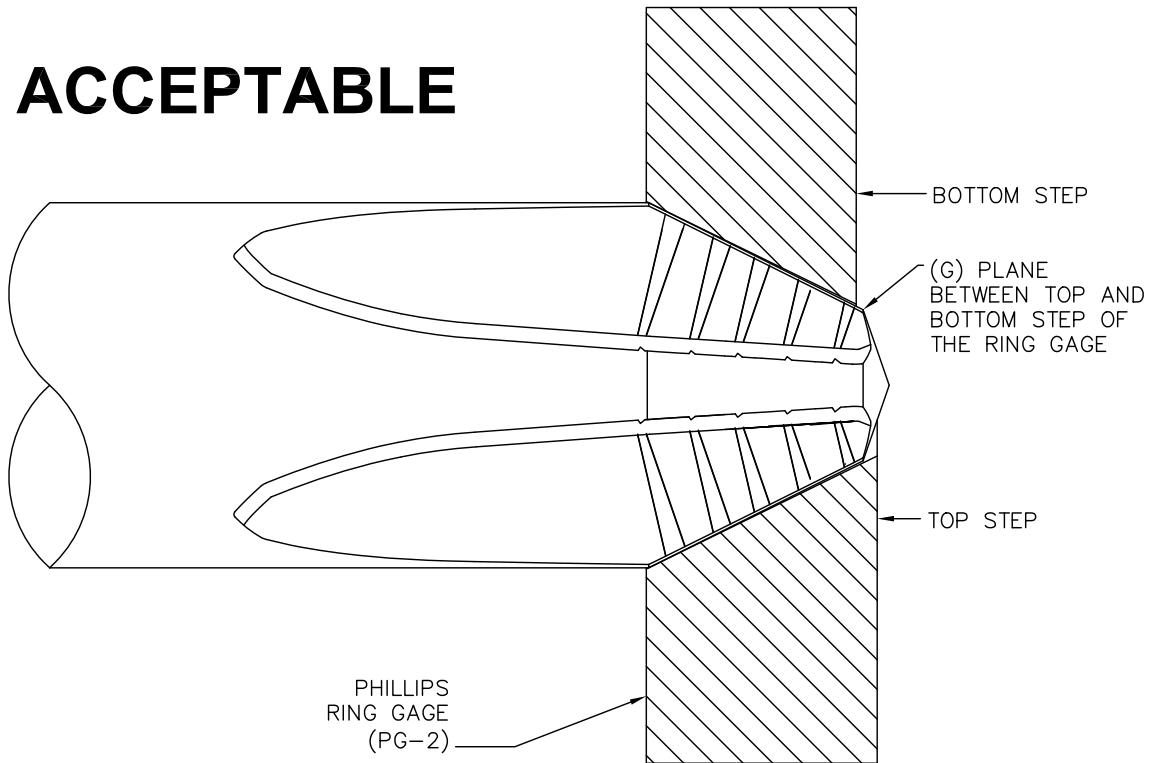
TITLE: **BIT AND DRIVER SPECIFICATION  
PHILLIPS II<sup>®</sup> ANTI-CAM-OUT**

DRAWN: L. DOUGAN	DATE: 07-30-08	DRAWING NUMBER <b>PG-1</b>
CHECKED: G. DILLING	DATE: 07-30-08	SHEET 3 OF 5

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PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II<sup>®</sup> PHILLIPS<sup>®</sup> POZIDRIV<sup>®</sup> ACR<sup>®</sup> POZISQUARE<sup>®</sup> PHILLIPS<sup>®</sup> SQUARE-DRIV<sup>®</sup> TORQ-SET<sup>®</sup> TRI-WING<sup>®</sup> MORTORQ<sup>®</sup>  
HEXSTIX<sup>®</sup> POZILOCK<sup>®</sup> ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

# ACCEPTABLE



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TITLE: **BIT POINT FIT IN RING GAGE  
FOR PHILLIPS II® ANTI-CAM-OUT**

DRAWN: L. DOUGAN	DATE: 07-30-08	DRAWING NUMBER <b>PG-1</b>
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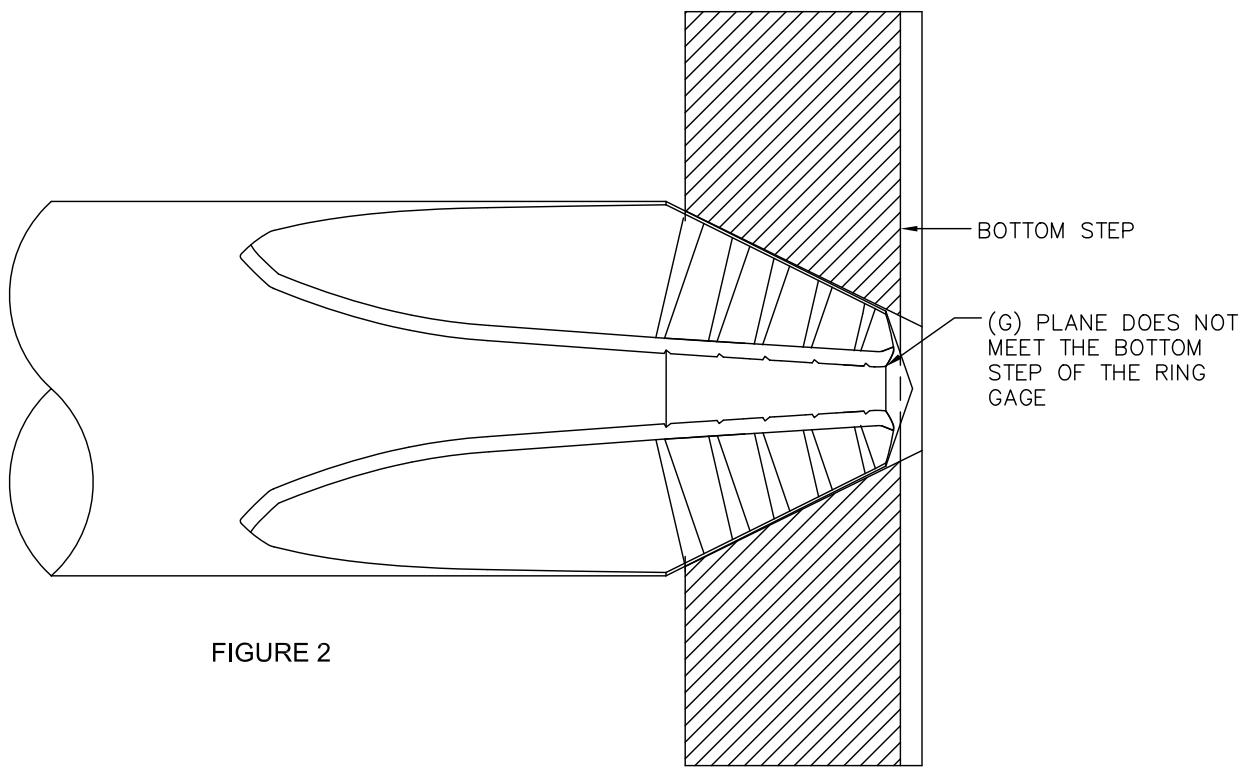
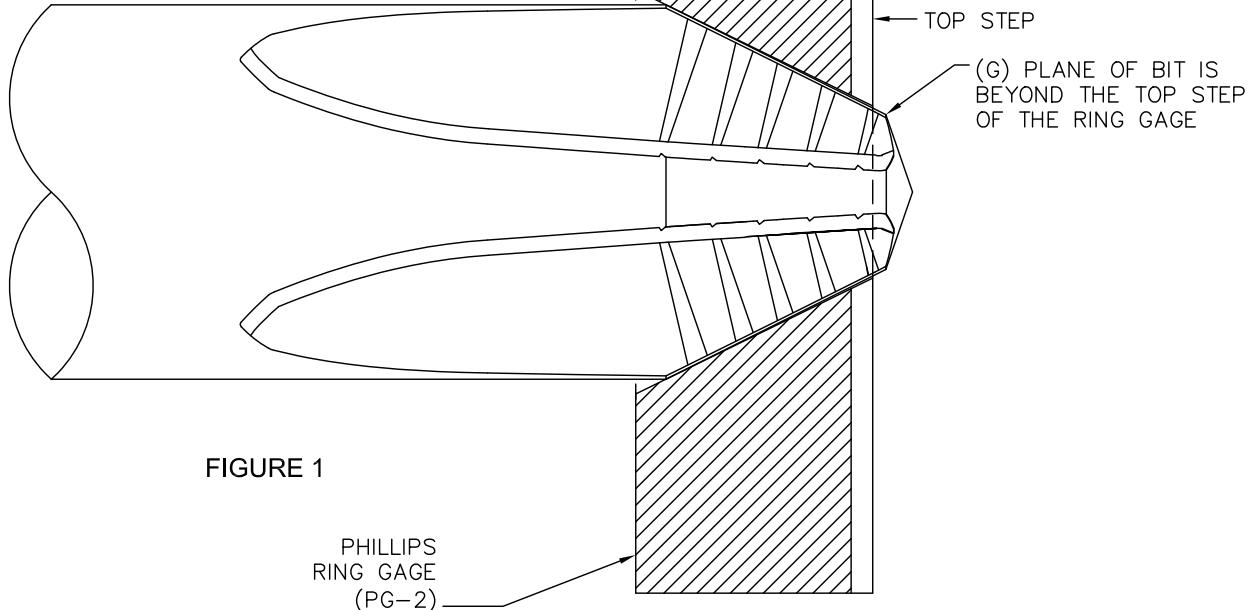
CHECKED: G. DILLING	DATE: 07-30-08	SHEET <b>4</b> OF <b>5</b>
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REVISION      UPDATE: 7-30-13

# NOT ACCEPTABLE



REVISION      UPDATE: 7-30-13

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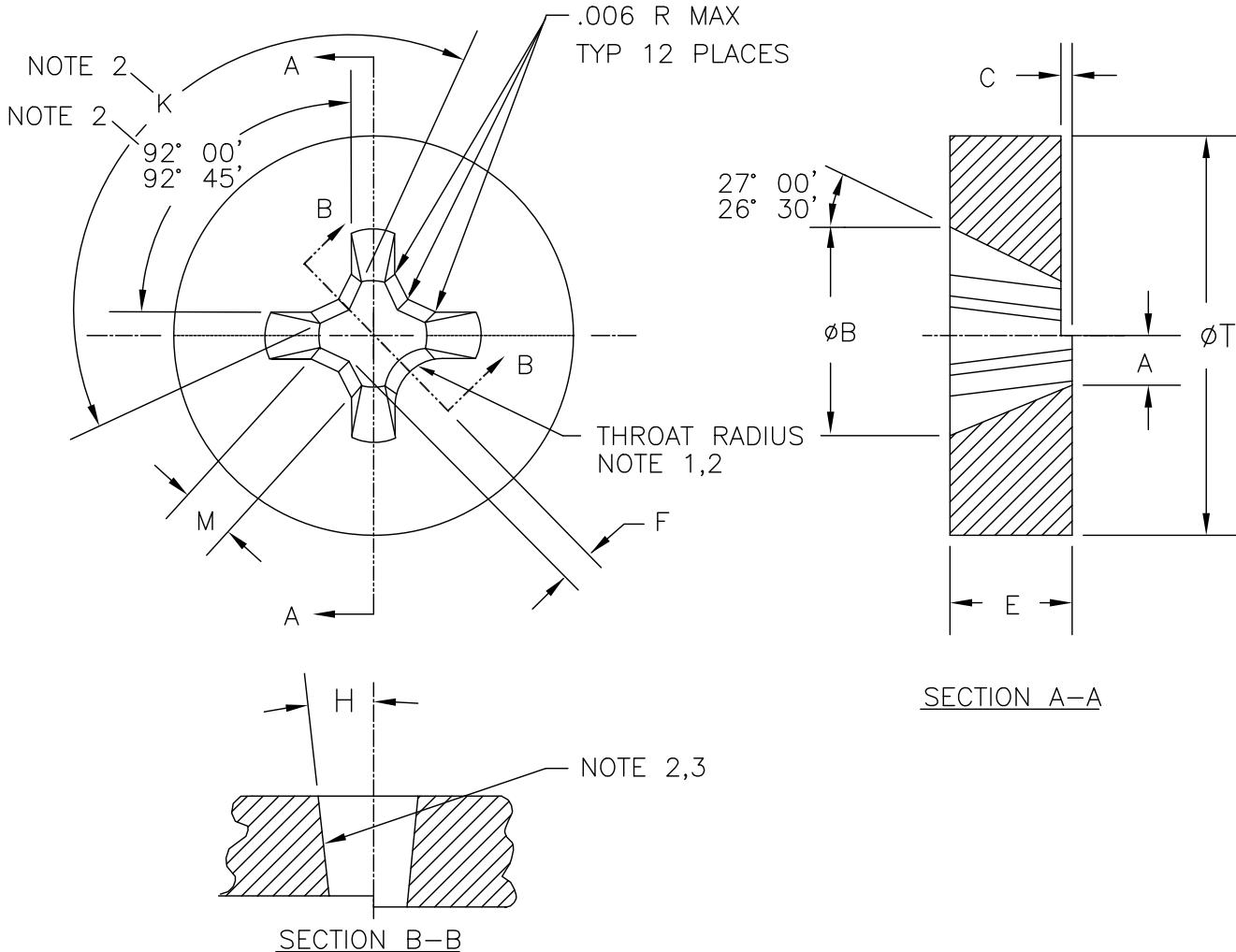
TITLE: **BIT POINT FIT IN RING GAGE  
FOR PHILLIPS II® ANTI-CAM-OUT**

DRAWN: L. DOUGAN	DATE: 07-30-08	DRAWING NUMBER <b>PG-1</b>
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CHECKED: G. DILLING	DATE: 07-30-08	SHEET <b>5</b> OF <b>5</b>
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SIZE	A ±.0002	ØB REF	C ±.001	E +.000 -.015	F +.0004 -.0000	H +0° 15' -.0° 0'	K +0° 0' -.0° 15'	M ±.001	ØT ±.020
0	.0165	.127	.005	.094	.0112	7° 0'	NOTE 1	-	1.250
1	.0255	.176	.010	.125	.0194	7° 0'	138° 0'	.017	1.250
2	.0455	.278	.010	.188	.0303	5° 45'	140° 0'	.032	1.250
3	.0755	.400	.010	.250	.0495	5° 45'	146° 0'	.079	1.250
4	.1005	.544	.010	.344	.0710	7° 0'	153° 0'	.095	1.250
5	.1560	.749	.010	.438	.1166	7° 0'	162° 46'	.160	1.250
6	.1875	.842	.015	.468	.1416	7° 0'	157° 57'	.177	1.500

NOTES:

1. A THROAT RADIUS .0080/.0087 BETWEEN ALL FOUR WINGS IS APPLICABLE FOR NUMBER "0" SIZE ONLY.
2. INCLUDED WING ANGLE AND ANGLE "K", OR THROAT RADIUS ARE TO BE MEASURED NORMAL TO ANGLE "H".
3. SECTION B-B IS SHOWN WITHOUT COMPLETE DETAIL FOR CLARITY.

REVISION: UPDATE: 7-30-13

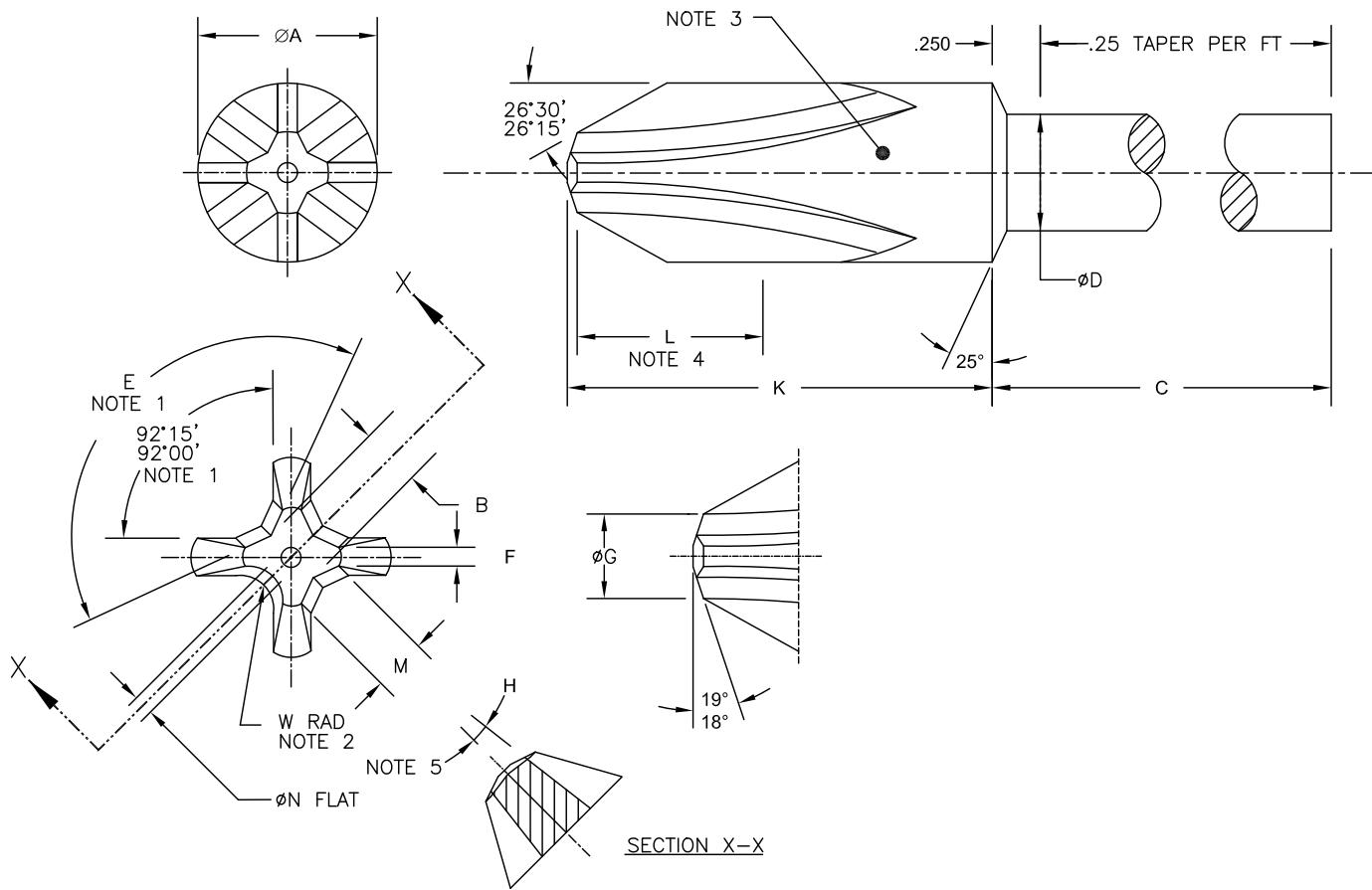
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TITLE:  
**PHILLIPS II® ANTI-CAM-OUT  
RING GAUGES FOR DRIVERS & BITS**

DRAWN: R. CHERLIN	DATE: 06-16-97	DRAWING NUMBER <b>PG-2</b>
CHECKED: G. LaMONICA	DATE: 10-24-05	
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

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### GAGE POINT DIMENSIONS

GAGE SIZE	$\pm .010$	$+.0000$ $-.0010$	$\pm .06$	$\phi D$	$+0^\circ 15'$ $-0^\circ 00'$	F	$+.001$ $-.000$	$+0^\circ 00'$ $-0^\circ 15'$	$\pm .06$	MIN.	M	$\phi N$	W
0	.125	.0240	.75	.122	—	.0119 .0108	.032	7°00'	.88	.094	.0136 .0130	.015 .010	.0097 .0090
1	.188	.0394	.75	.181	138°	.0207 .0193	.050		.88	.125	.0174 .0164		
2	.250	.0606	.75	.181	140°	.0242 .0227	.090	5°45'	.88	.188	.0434 .0424		
3	.312	.0983	1.00	.240	146°	.0309 .0294	.150		1.00	.250	.0818 .0808		
4	.375	.1407	1.00	.240	153°	.0447 .0431	.200		1.00	.344	.1062 .1052		
5	.750	.2310	1.25	.609	162° 46'	.0647 .0630	.311	7°00'	1.00	.438	.1694 .1684		
6	1.000	.2805	1.25	.609	157° 57'	.0937 .0919	.374		1.50	.468	.1898 .1888	.025 .020	

NOTES:

1. INCLUDED WING ANGLE AND ANGLE "E" OR RADIUS "W" ARE MEASURED NORMAL TO ANGLE "H".
2. "W" RADIUS BETWEEN ALL FOUR WINGS FOR #0 SIZE ONLY.
3. STAMP POINT SIZE ON ALL GAGES.
4. MINIMUM STRAIGHT CUT.
5. SECTION X-X IS SHOWN WITHOUT COMPLETE DETAIL FOR CLARITY.
6. DIMENSIONS SAME AS ORIGINAL STANDARD PHILLIPS GAUGE POINT EXCEPT THAT "M" AND "F" DIMENSIONS WERE

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TITLE:

### PHILLIPS II® ANTI-CAM-OUT & Generic PHILLIPS® MASTER PLUG GAUGE

DRAWN:  
R. CHERLIN

DATE:  
06-16-97

DRAWING NUMBER

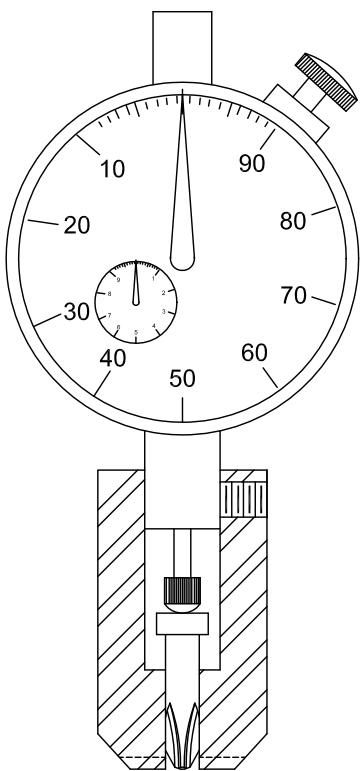
**PG-3**

SHEET 1 OF 1

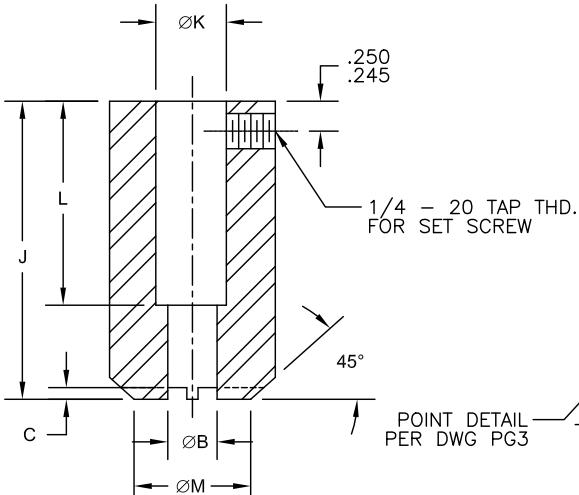
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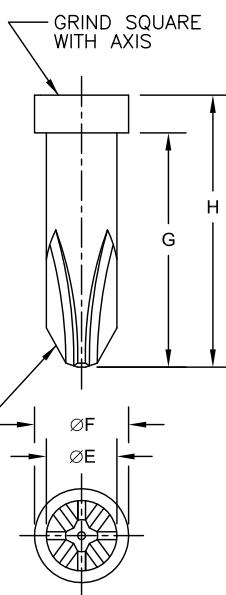
### GAGE ASSEMBLY



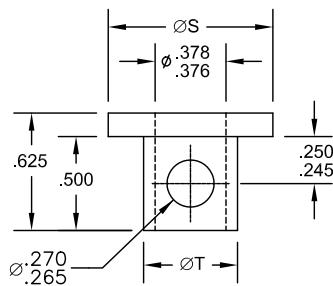
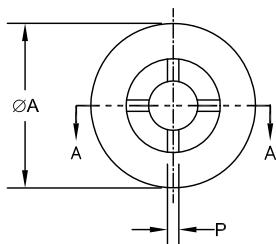
### GAGE BODY



### GAGE PIN



SECTION A-A



### GAGE DIMENSIONS

( FOR NO. 5 AND 6  
RECESS SIZES )

POINT SIZE	$\pm .016$ $\phi A$	$\pm .0002$ $\phi B$	$\pm .003$ $C$	$\pm .002$ $P$	$\pm .0002$ $\phi E$	$\pm .005$ $\phi F$	$\pm .005$ $G$	$\pm .005$ $H$	$\pm .016$ $J$	$.002$ $.000$ $\phi K$	$\pm .016$ $L$	$\pm .005$ $\phi M$	$\pm .005$ $\phi S$	$\pm .001$ $\phi T$
0	.875	.0460	.015	.008	.0450	.094	.656	.781	1.688					
1		.0880	.020	.012	.0870	.156	.688	.812						
2		.1420	.031	.018	.1410	.219	.750	.875		.376	1.126	.562	—	—
3		.2100	.037	.022	.2090	.250	.781	.906						
4		.3130	.062	.031	.3120	.359	.844	.969						
5	1.250	.5010	.094	.041	.5000	.531	1.031	1.156	1.896	.751	1.134	.750	1.250	.749
6		.6500	.156	.063	.6490	.719	1.500	1.625	2.375		1.562	1.000		

NOTES:

1. TOLERANCE  $\pm .016$  UNLESS OTHERWISE SPECIFIED.
2. THESE PENETRATION GAUGES ARE THE SAME AS STANDARD PHILLIPS GAUGES EXCEPT FOR THE LARGER GAUGE BODY AND BUSHING FOR THE #5 AND #6 SIZES.

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TITLE:

### RECESS PENETRATION GAUGE

### PHILLIPS II® ANTI-CAM-OUT & Generic PHILLIPS®

DRAWN: R. CHERLIN DATE: 06-16-97 DRAWING NUMBER

CHECKED: G. LAMONICA DATE: 10-24-05

**PG-10**

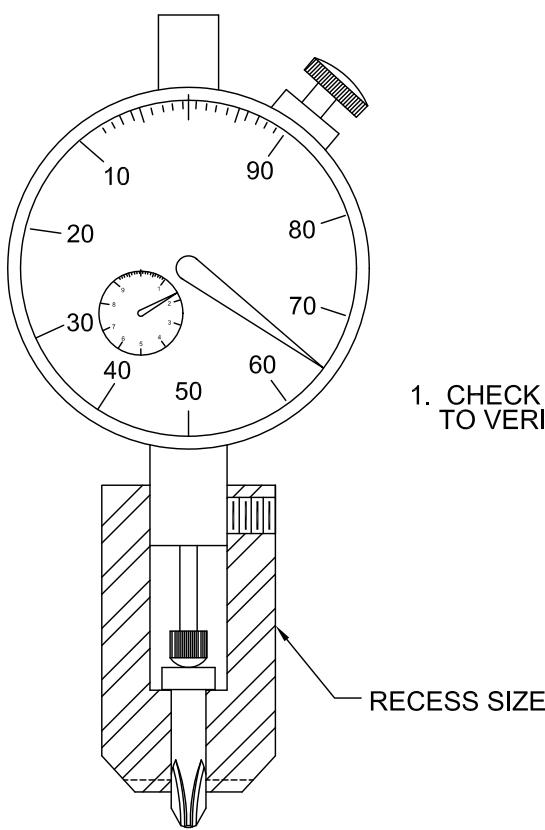
SHEET 1 OF 1

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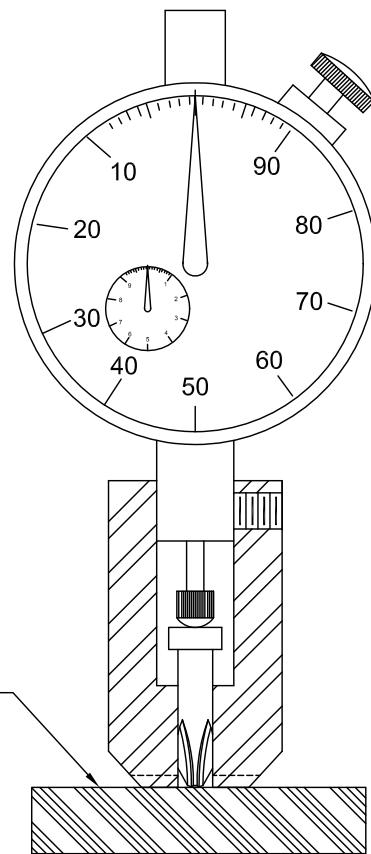
REVISION UPDATE: 7-30-13

## GAGE ASSEMBLY



**FIGURE #1**

1. CHECK THE RECESS SIZE ON THE GAUGE ASSEMBLY BODY TO VERIFY IT MATCHES THE RECESS SIZE OF THE SCREW.



**FIGURE #2**

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TITLE: **PENETRATION GAUGE PROCEDURE FOR**

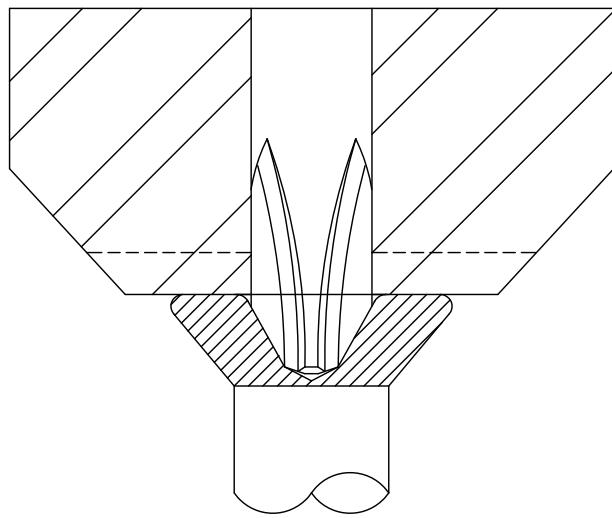
**PHILLIPS II® ANTI-CAM-OUT & Generic PHILLIPS®**

DRAWN: G. LaMONICA	DATE: 10-13-00	DRAWING NUMBER <b>PG-10 ADDENDUM</b>
CHECKED: G. LaMONICA	DATE: 10-24-05	

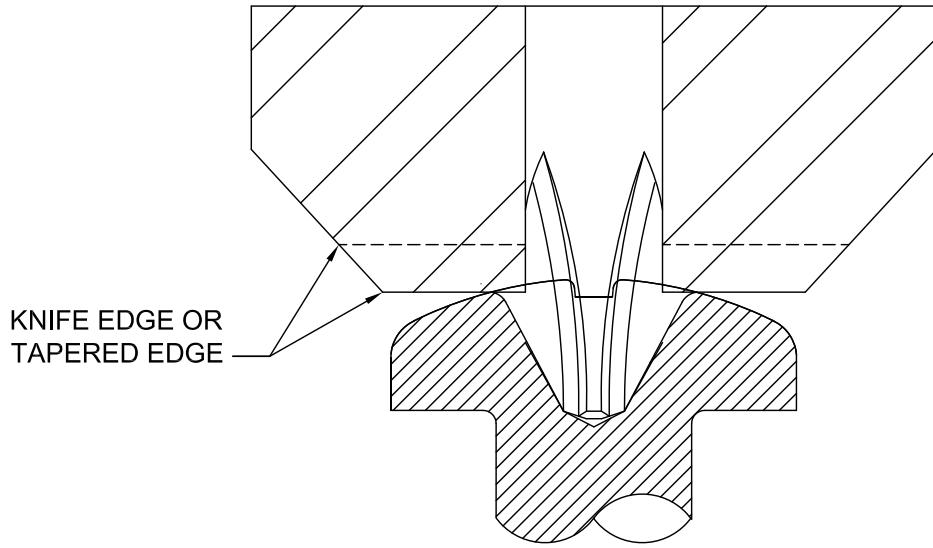
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REVISION \_\_\_\_\_  
UPDATE: 7-30-13

3. AFTER THE GAUGE HAS BEEN ZEROED, PLACE THE GAUGE ON TOP OF THE SCREW HEAD AND MAKE SURE THAT THE GAUGE POINT IS SITTING PROPERLY INSIDE THE RECESS. PLACE THE GAUGE BODY KNIFE EDGES OR TAPERED RIDGES ON TOP OF THE FLAT HEAD SCREW SURFACE AS SHOWN IN FIGURE 3. FOR CURVED TOP SCREW HEADS, PLACE THE GAUGE BODY KNIFE EDGES ON THE INTERSECTING PLANE WHERE THE OUTER WING SURFACES OF THE RECESSES INTERSECT THE CURVED SURFACE AS SHOWN IN FIGURE 4.



**FIGURE #3**



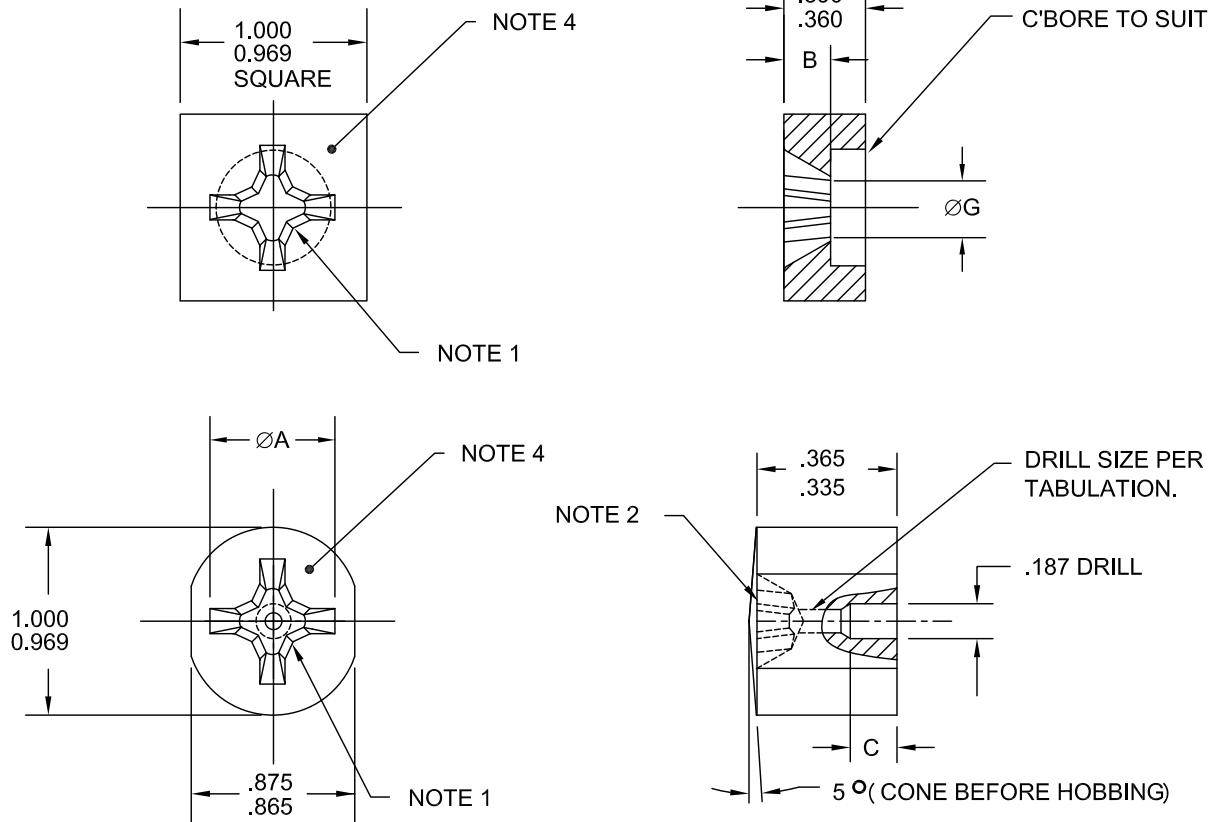
**FIGURE #4**

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TITLE: **PENETRATION GAUGE PROCEDURE FOR  
PHILLIPS II® ANTI-CAM-OUT & Generic PHILLIPS®**

DRAWN: G. LaMONICA	DATE: 10-13-00	DRAWING NUMBER
CHECKED: G. LaMONICA	DATE: 10-24-05	
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POINT SIZE	$\pm .002$ $\phi A$	REF. B	$+ .000$ $- .031$ C	$+ .002$ $- .000$ $\phi G$	DRILL SIZE	MIN TORQUE IN/LB
0	.090	.058	—	.032	—	12
1	.142	.092	.531	.050	.035	33
2	.233	.143	.500	.090	.063	90
3	.386	.236	.375	.150	.094	325
4	.486	.286	.312	.200	.141	500
5	.670	.360	THRU	.311	.187	900

NOTES:

1. TYPE 1 RECESS PRESSED BY HOB MASTER PUNCH.
2. THIS SURFACE GROUND TO ACHIEVE RECESS SPREAD DIMENSION "A" AFTER HEAT TREAT.
3. MATERIAL: MOTUNG OR EQUIV., HEAT TREAT: Rc 61-63.
4. MARKING: IDENTIFY WITH THIS DWG NO. AND APPLICABLE POINT SIZE NO., LOCATED ON TOP SURFACE. MARKING METHOD OPTIONAL BUT MUST BE LEGIBLE.

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TITLE:  
**TEST BLOCKS FOR PHILLIPS II® ANTI-CAM OUT  
DRIVERS AND BITS**

DRAWN: DATE: DRAWING NUMBER

R. CHERLIN 06-18-97 PG-11

CHECKED: DATE: SHEET 1 OF 1

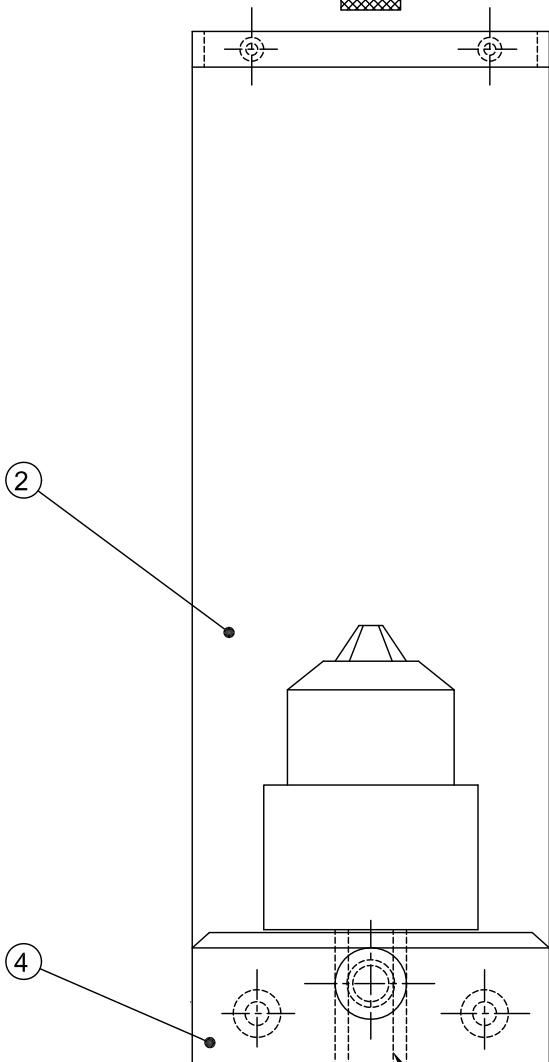
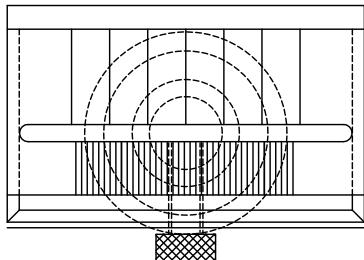
G. LaMONICA 10-24-05

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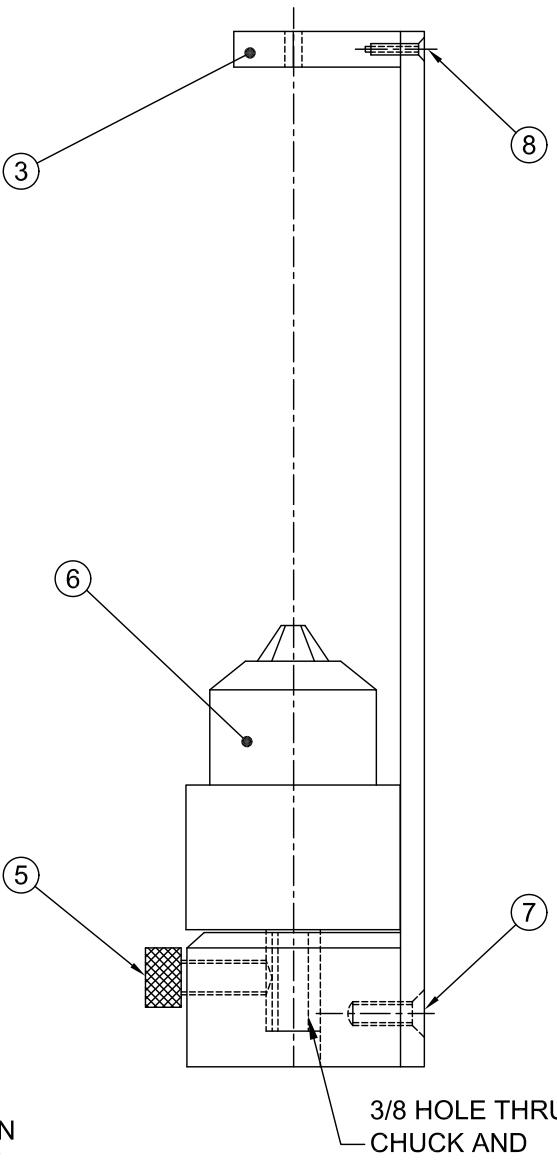
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## BILL OF MATERIALS

DASH NO.	REQ'D	DESCRIPTION
2	1	BACK PLATE
3	1	TOP PLATE
4	1	BASE
5	1	THUMB SCREW
6	1	3/8 CAPACITY CHUCK -.500 SHANK
7	2	10-32 x .500 POZIDRIV FLAT HD. SCR.
8	2	6-32 x .500 POZIDRIV FLAT HD. SCR.



.125 WIDE FLAT ON  
STRAIGHT SHANK  
CHUCK ADAPTOR



NOTES:

- (1) ALL PARTS ARE BLACK ANODIZED ALUMINUM
- (2) ALL SHARP EDGES TO BE BROKEN
- (3) MARK DEGREE LINES AFTER ANODIZING.

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TITLE:

## RECESSS WOBBLE GAUGE MODEL D

DRAWN:  
R. CHERLIN

DATE:  
06-18-97

DRAWING NUMBER

**PG-17**

CHECKED:  
G. LaMONICA

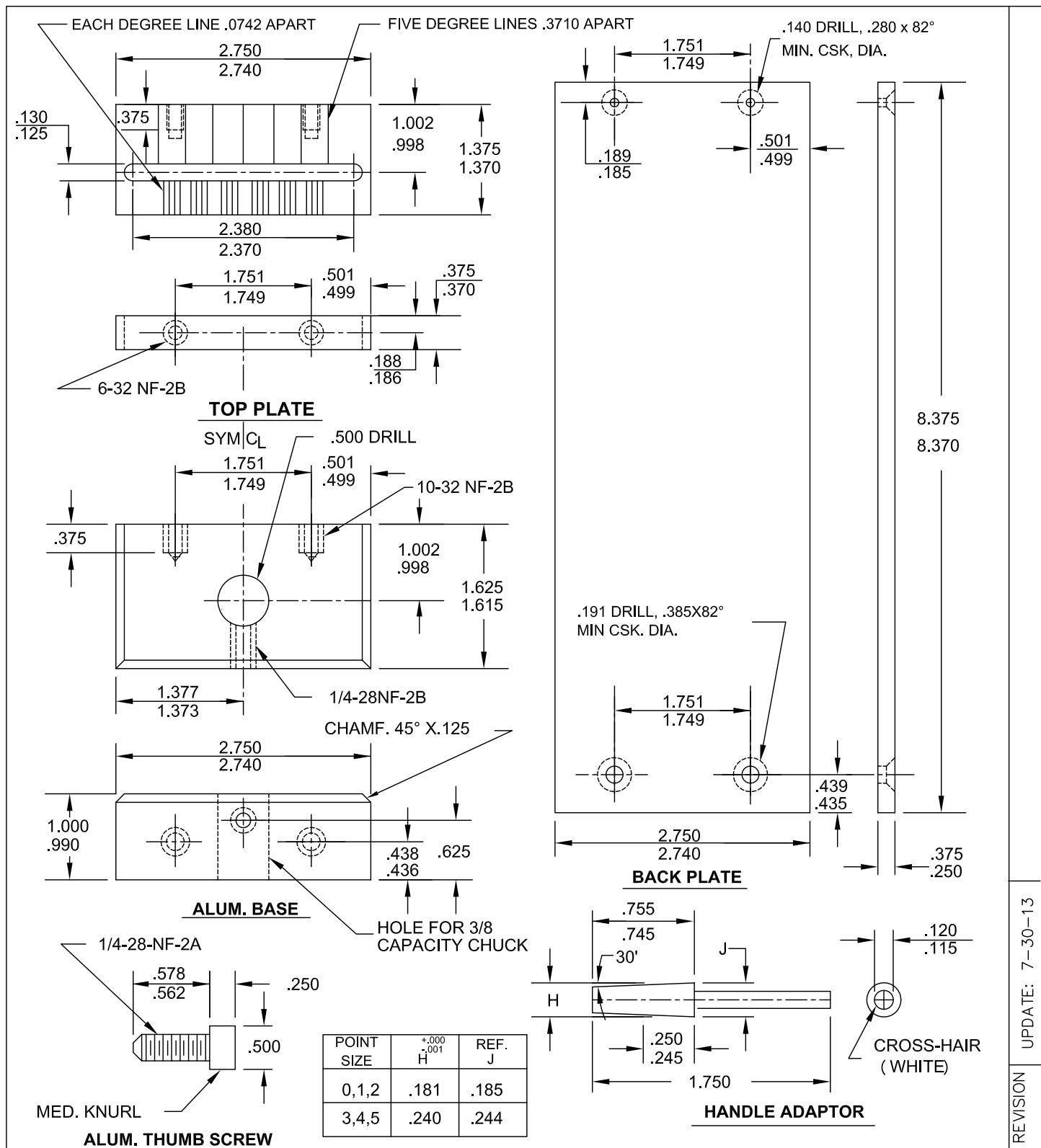
DATE:  
10-24-05

SHEET 1 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

® PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE PHILLIPS SQUARE-DRIV TORQ-SET® TRI-WING® MORTORQ®  
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REVISION | UPDATE: 7-30-13



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**TITLE: RECESSS WOBBLE GAUGE  
MODEL D**

DRAWN: R. CHERLIN	DATE: 06-18-97	DRAWING NUMBER <b>PG-17</b> SHEET 2 OF 2
CHECKED: G. LaMONICA	DATE: 10-24-05	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
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# PHILLIPS II® ANTI-CAM-OUT ENGINEERING MANUAL

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### PUNCHES

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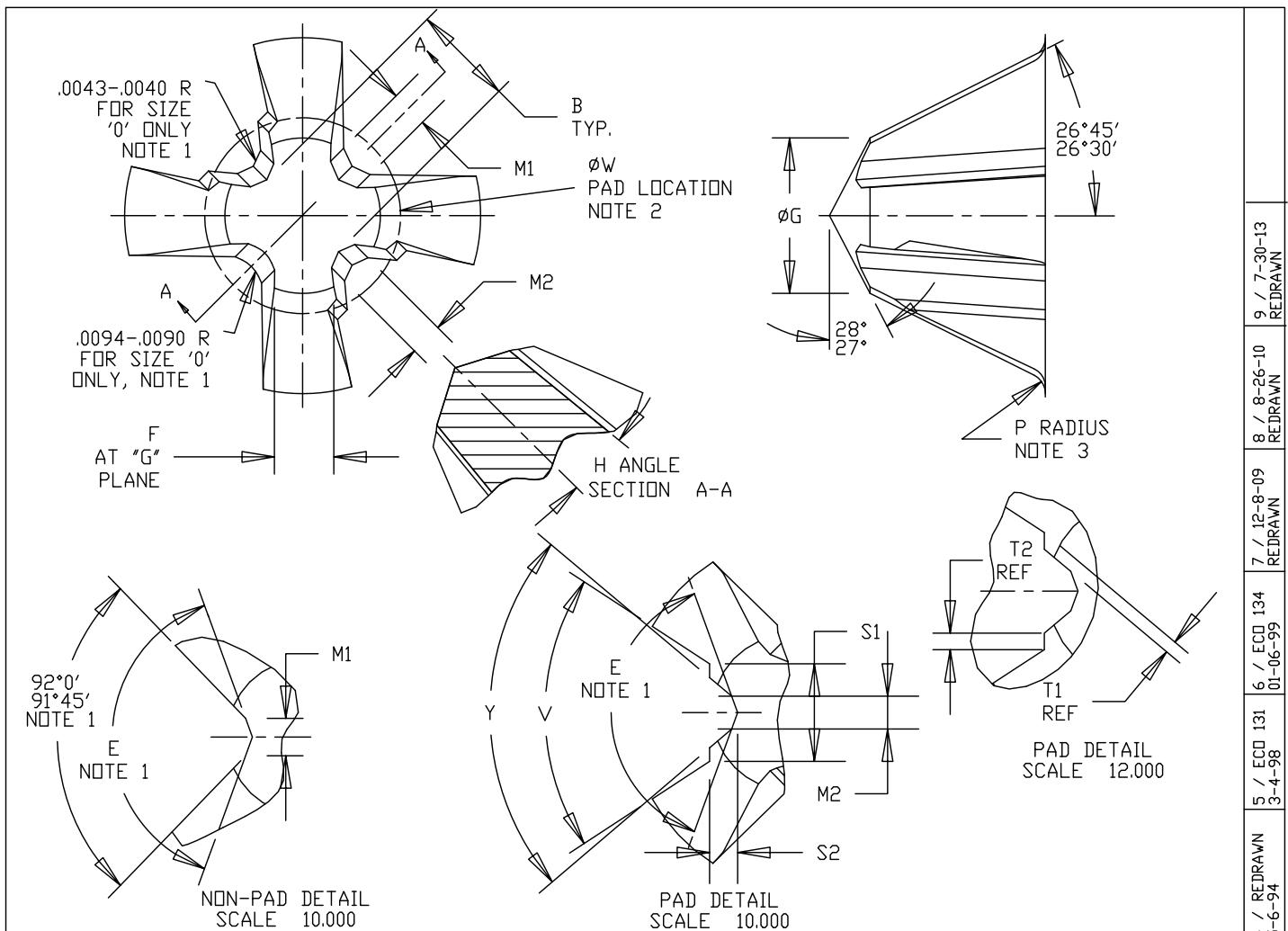
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DRIVE SIZE	B	E +0'00' -0'15'	F	G +0.002 -.000	H +0'15' -0'00'	M1	M2	P ±.002	W +.003 -.000	T1 REF	T2 REF	S1	S2	V +0'00' -0'30'	Y +0'00' -0'30'
0	.0245 .0240	-	.0138 .0133	.032	7'00'	.0130 .0125	.0060 .0055	.007 .004	.037 .038	.0015 .0010	.0022	.0171 .0161	.005 .004	92'00' 91'45'	92'00' 91'45'
1	.0380 .0370	138'0'	.0260 .0240	.050	7'00'	.0073 .0052	.0065 .0045	.020	.069	.0035	.0046	.0295 .0315	.012 .010	70'00'	80'15'
2	.0588 .0568	140'0'	.0355 .0330	.090	5'45'	.0236 .0216	.0190 .0170	.025	.111	.0063	.0082	.0575 .0555	.017 .015	69'39'	80'15'
3	.0960 .0940	146'0'	.0430 .0400	.150	5'45'	.0583 .0563	.0605 .0585	.030	.175	.0058	.0076	.0970 .0950	.023 .021	69'39'	80'15'
4	.1380 .1360	153'0'	.0560 .0530	.200	7'00'	.0845 .0825	.0900 .0880	.035	.248	.0062	.0081	.1350 .1330	.029 .027	69'39'	80'15'
5	.2280 .2260	162'46'	.0780 .0750	.311	7'00'	.1464 .1444	.1500 .1480	.040	.397	.0105	.0137	.2220 .2200	.039 .037	69'39'	80'15'
6	.2770 .2750	157'57'	.1055 .1025	.374	7'00'	.1636 .1616	.1770 .1750	.055	.482	.0092	.0120	.2560 .2540	.051 .049	69'39'	80'15'

NOTES:

1. INCLUDED WING ANGLE AND ANGLE "E" OR RADIUS "R" ARE TO BE MEASURED NORMAL TO ANGLE "H".
2. PAD LOCATION DETERMINED BY "W" DIAMETER, NOT LATERAL DISTANCE FROM CENTER.
3. RADIUS SHOWN IS FOR PUNCHES ONLY AND OCCURS ALONG THE ENTIRE PERIPHERAL EDGE OF THE RECESS.
4. HEAD MARKINGS SHALL BE PER PSC-790 UNLESS OTHERWISE SPECIFIED.
5. THIS PRODUCT IS COVERED BY U.S. PATENT NUMBER 6,601,482 B2 AND 6,786,827 B2.

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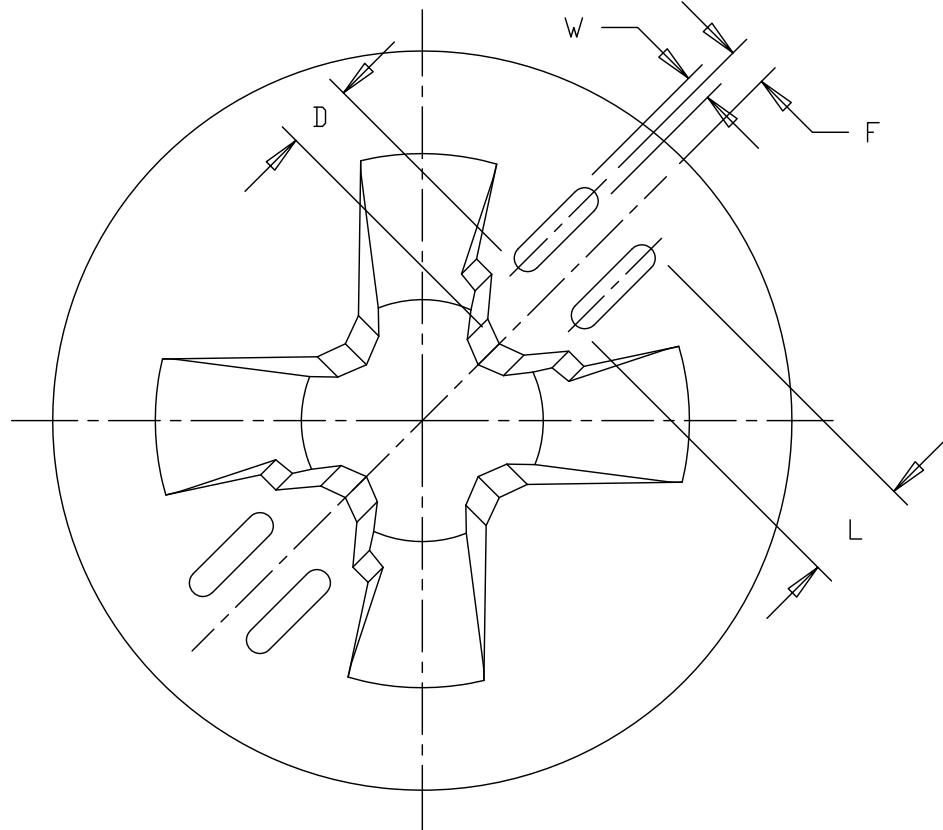
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
PUNCH POINT DIMENSIONS**

DRAWN: G.DILLING	DATE: 8-5-08	DRAWING NUMBER: <b>PSC-780A</b>
CHECKED: G.DILLING	DATE: 8/15/08	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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REVISION	1 / ECD 101	2 / ECD 108	3 / ECD 114	4 / REDRAWN	5 / ECD 131	6 / ECD 134	7 / 12-8-09	8 / 8-26-10	9 / 7-30-13
9-11-92	6-24-93	2-24-94	5-6-94	3-4-98	01-06-99	01-06-99	REDRAWN	REDRAWN	REDRAWN



DRIVE SIZE	W REF	D MIN	F	L	DEPTH
0	.004	.006	.004	.010 .015	.001 .003
1	.008	.010	.010	.025 .030	.002 .004
2	.010	.018	.015	.035 .040	.002 .004
3	.010	.025	.015	.050 .060	.002 .004
4	.010	.030	.030	.050 .060	.002 .004
5	.030	.035	.035	.110 .130	.002 .004
6	.030	.035	.035	.110 .130	.003 .005

NOTES:

1. MARKING FOR PHILLIPS II<sup>®</sup> ANTI-CAM-OUT SCREWS CONSISTS OF TWO PAIRS OF PARALLEL LINES ON OPPOSITE SIDES OF THE SCREW HEAD, LOCATED IN THE QUADRANTS WHERE THE ACR FEATURE EXIST.

REVISION	1 / ECO 101 09-11-92	2 - REDRAWN 05-09-94	3 - ECO 115 09-14-94	4 - ECO 134 01-06-99	5 - REDRAWN 12-08-09	6 - REDRAWN 7-30-13
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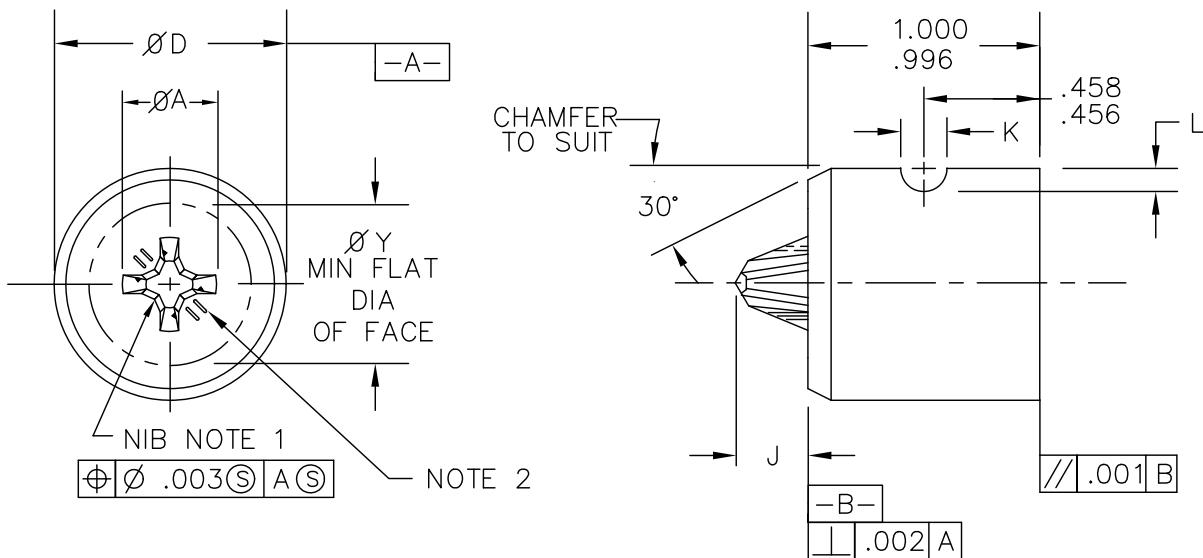
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TITLE: **PHILLIPS II<sup>®</sup> ANTI-CAM-OUT  
HEAD MARKINGS**

DRAWN: G.DILLING	DATE: 8-5-08	DRAWING NUMBER: <b>PSC-790</b>
CHECKED: G.DILLING	DATE: 12-8-09	
SHEET 1 OF 1		
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II<sup>®</sup> PHILLIPS<sup>®</sup> POZIDRIV<sup>®</sup> ACR<sup>®</sup> POZISQUARE<sup>®</sup> PHILLIPS SQUARE-DRIV<sup>®</sup> TORQ-SET<sup>®</sup> TRI-WING<sup>®</sup> MORTORQ<sup>®</sup>  
HEXSTIX<sup>®</sup> POZILOCK<sup>®</sup> ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## WOOD SCREWS

SCREW SIZE	PUNCH NO.	ØA	ØD	J	K	L	ØY	PUNCH PENETRATION	
								PUNCH MAX	PUNCH MIN
0	00B 4	.060	.4375	.037	.126	.062	.146	.039	.035
1	00B 5	.068	.4375	.045	.126	.062	.146	.047	.043
2	10B 1	.094	.4375	.057	.126	.062	.199	.056	.048
3	10B 2	.099	.4375	.062	.126	.062	.199	.061	.053
4	10B 3	.120	.4375	.083	.126	.062	.252	.082	.074
5	20B 1	.146	.4375	.080	.126	.062	.305	.075	.065
6	20B 2	.166	.4375	.100	.126	.062	.358	.095	.085
7	20B 3	.181	.5625	.115	.213	.106	.385	.110	.100
8	20B 4	.196	.5625	.130	.213	.106	.385	.125	.115
9	20B 5	.206	.5625	.140	.213	.106	.358	.135	.125
10	30B 1	.250	.5625	.140	.213	.106	.385	.129	.119
12	30B 3	.275	.8750	.165	.213	.106	.597	.154	.144
14	30B 4	.295	.8750	.185	.213	.106	.544	.174	.164
16	30B 5	.320	1.0000	.210	.213	.106	.544	.199	.189
18	40B 1	.370	1.0000	.224	.213	.106	.650	.210	.200
20	40B 2	.385	1.2500	.239	.213	.106	.812	.225	.215
24	40B 3	.416	1.2500	.270	.213	.106	.875	.256	.246

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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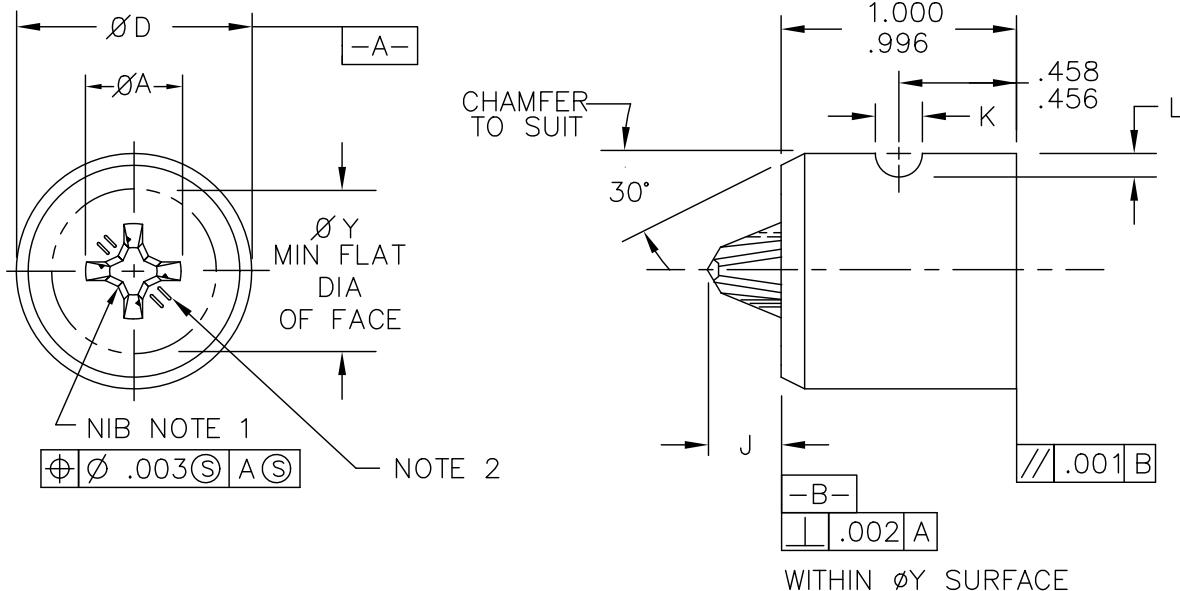
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:  
**P2P-1**

CHECKED: L. DOUGAN DATE: 9-28-07 SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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### MACHINE & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$.006$ $-.000$	$\pm .0005$	$.006$ $-.000$	K	L	MIN. FACE DIA	PUNCH PENETRATION	
			$\phi D$	J	MAX				MIN	
0	00B 4	.060	.4375	.037	.126 .125	.062 .061	.146	.039	.035	
1	00B 5	.068	.4375	.045	.126 .125	.062 .061	.146	.047	.043	
2	10B 1	.094	.4375	.057	.126 .125	.062 .061	.199	.056	.048	
3	10B 2	.099	.4375	.062	.126 .125	.062 .061	.199	.061	.053	
4	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074	
5	20B 1	.146	.4375	.080	.126 .125	.062 .061	.305	.075	.065	
6	20B 2	.166	.4375	.100	.126 .125	.062 .061	.358	.095	.085	
7	20B 6	.174	.5625	.108	.213 .212	.106 .105	.385	.103	.093	
8	20B 3	.181	.5625	.115	.213 .212	.106 .105	.385	.110	.100	
10	20B 4	.196	.5625	.130	.213 .212	.106 .105	.385	.125	.115	
12	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129	
1/4	30B 3	.275	.8750	.165	.213 .212	.106 .105	.597	.154	.144	
5/16	40B 4	.356	1.0000	.210	.213 .212	.106 .105	.762	.196	.186	
3/8	40B 2	.385	1.2500	.239	.213 .212	.106 .105	.812	.225	.215	
7/16	40B 5	.401	1.2500	.255	.213 .212	.106 .105	.875	.241	.231	
1/2	40B 3	.416	1.2500	.270	.213 .212	.106 .105	.875	.256	.246	
9/16	40B 141	.440	1.5000	.294	.213 .212	.106 .105	1.062	.280	.270	
5/8	50B 3	.564	2.0000	.336	—	—	1.625	.309	.298	
3/4	50B 4	.627	2.0000	.400	—	—	1.500	.373	.362	

#### NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

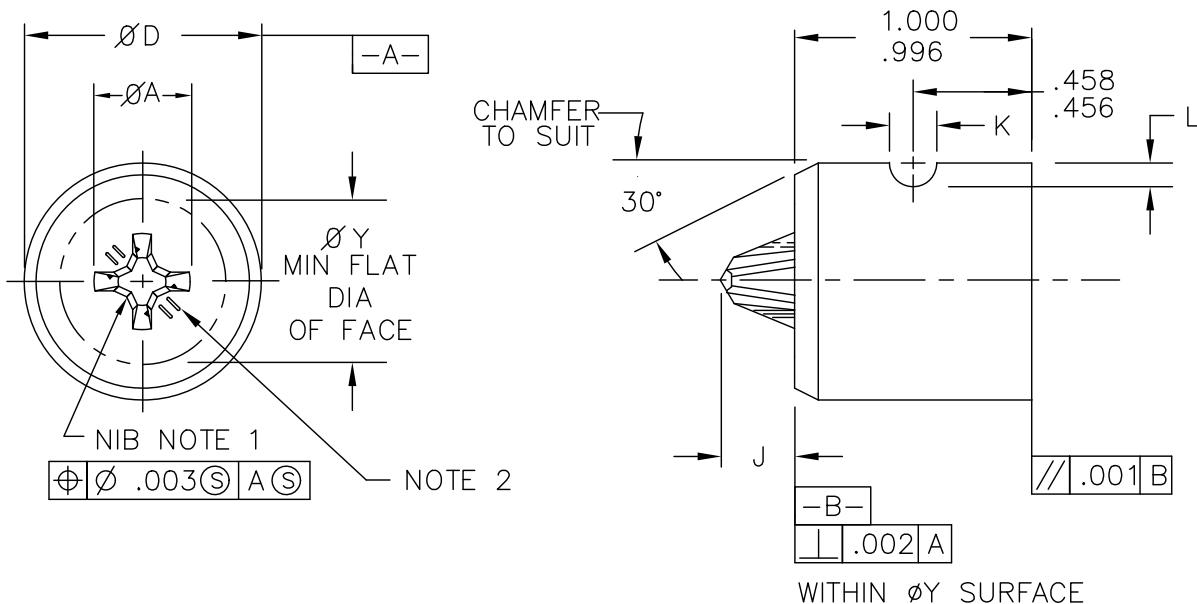
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TITLE: **PHILLIPS II® ANTI-CAM-OUT FLAT HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-13-97	DRAWING NUMBER: <b>P2P-1A</b>
CHECKED: L DOUGAN	DATE: 9-28-07	

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326



### TAPPING SCREWS - TYPE "A"

SCREW SIZE	PUNCH NO.	ØA +.006 -.000	ØD ±.0005	J +.006 -.000	K	L	ØY MIN. FACE DIA	PUNCH PENETRATION	
								MAX	MIN
0	00B 4	.060	.4375	.037	.126 .125	.062 .061	.146	.039	.035
1	00B 5	.068	.4375	.045	.126 .125	.062 .061	.146	.047	.043
2	10B 1	.094	.4375	.057	.126 .125	.062 .061	.199	.056	.048
3	10B 2	.099	.4375	.062	.126 .125	.062 .061	.199	.061	.053
4	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074
5	20B 1	.146	.4375	.080	.126 .125	.062 .061	.305	.075	.065
6	20B 2	.166	.4375	.100	.126 .125	.062 .061	.358	.095	.085
7	20B 6	.174	.5625	.108	.213 .212	.106 .105	.385	.103	.093
8	20B 3	.181	.5625	.115	.213 .212	.106 .105	.385	.110	.100
10	20B 4	.196	.5625	.130	.213 .212	.106 .105	.385	.125	.115
12	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129
14	30B 3	.275	.8750	.165	.213 .212	.106 .105	.597	.154	.144
16	30B 4	.295	.8750	.185	.213 .212	.106 .105	.544	.174	.164
18	40B 4	.356	1.0000	.210	.213 .212	.106 .105	.762	.196	.186
20	40B 1	.370	1.0000	.224	.213 .212	.106 .105	.650	.210	.200
24	40B 2	.385	1.2500	.239	.213 .212	.106 .105	.812	.225	.215

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION | UPDATE 7-30-13

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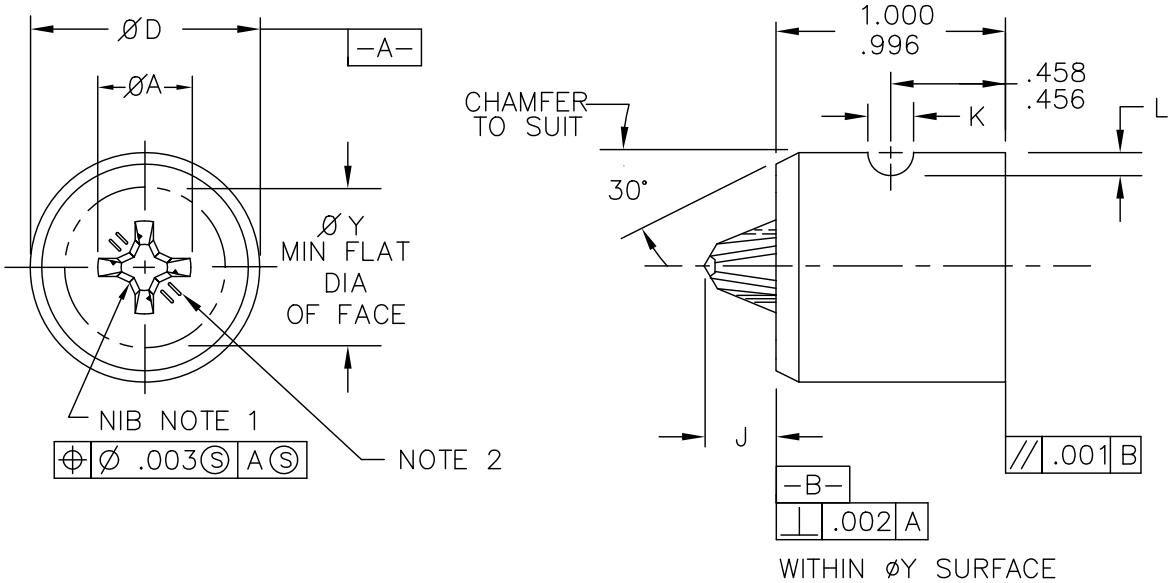
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-1B</b>
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CHECKED: L. DOUGAN	DATE: 9-28-07
-----------------------	------------------

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$\phi D$	+.006 -.000	$\pm .0005$	$+.006-.000$	J	K	L	MIN. FACE DIA	PUNCH PENETRATION	
											MAX	MIN
0	00B 4	.060	.4375	.037	.126 .125	.062 .061	.146	.039	.035			
1	00B 5	.068	.4375	.045	.126 .125	.062 .061	.146	.047	.043			
2	10B 80	.087	.4375	.050	.126 .125	.062 .061	.172	.049	.041			
3	10B 1	.094	.4375	.057	.126 .125	.062 .061	.199	.056	.048			
4	10B 54	.109	.4375	.072	.126 .125	.062 .061	.312	.071	.063			
5	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074			
6	20B 285	.138	.4375	.072	.126 .125	.062 .061	.279	.067	.057			
7	20B 1	.146	.4375	.080	.126 .125	.062 .061	.305	.075	.065			
8	20B 2	.166	.4375	.100	.126 .125	.062 .061	.358	.095	.085			
10	20B 3	.181	.5625	.115	.213 .212	.106 .105	.385	.110	.100			
12	30B 166	.225	.8750	.115	.213 .212	.106 .105	.438	.104	.094			
1/4	30B 85	.240	.8750	.130	.213 .212	.106 .105	.750	.119	.109			
5/16	40B 79	.309	1.0000	.162	.213 .212	.106 .105	.750	.148	.138			
3/8	40B 4	.356	1.0000	.210	.213 .212	.106 .105	.762	.196	.186			
7/16	40B 2	.385	1.2500	.239	.213 .212	.106 .105	.812	.225	.215			
1/2	40B 5	.401	1.2500	.255	.213 .212	.106 .105	.875	.241	.231			

#### NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
UNDERCUT FLAT HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-13-97

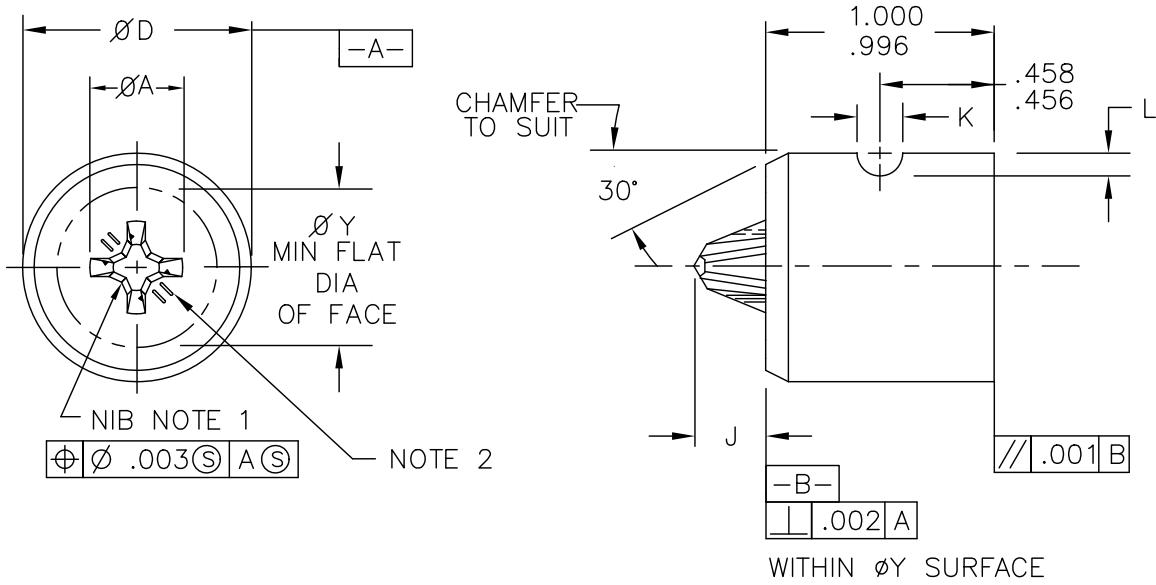
DRAWING NUMBER:

**P2P-1C**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
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## TAPPING SCREWS - TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	MIN. FACE DIA ØY	PUNCH PENETRATION	
									MAX	MIN
0	00B 4	.060	.4375	.037	.126 .125	.062 .061	.146	.039	.035	
1	00B 5	.068	.4375	.045	.126 .125	.062 .061	.146	.047	.043	
2	10B 80	.087	.4375	.050	.126 .125	.062 .061	.172	.049	.041	
3	10B 1	.094	.4375	.057	.126 .125	.062 .061	.199	.056	.048	
4	10B 54	.109	.4375	.072	.126 .125	.062 .061	.225	.071	.063	
5	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074	
6	20B 285	.138	.4375	.072	.126 .125	.062 .061	.279	.067	.057	
7	20B 1	.146	.4375	.080	.126 .125	.062 .061	.305	.075	.065	
8	20B 2	.166	.4375	.100	.126 .125	.062 .061	.358	.095	.085	
10	20B 3	.181	.5625	.115	.213 .212	.106 .105	.385	.110	.100	
12	30B 166	.225	.8750	.115	.213 .212	.106 .105	.438	.104	.094	
14	30B 85	.240	.8750	.130	.213 .212	.106 .105	.507	.119	.109	
16	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129	
18	40B 79	.309	1.0000	.162	.213 .212	.106 .105	.750	.148	.138	
20	40B 64	.326	1.0000	.180	.213 .212	.106 .105	.650	.166	.156	
24	40B 4	.356	1.0000	.210	.213 .212	.106 .105	.762	.196	.186	

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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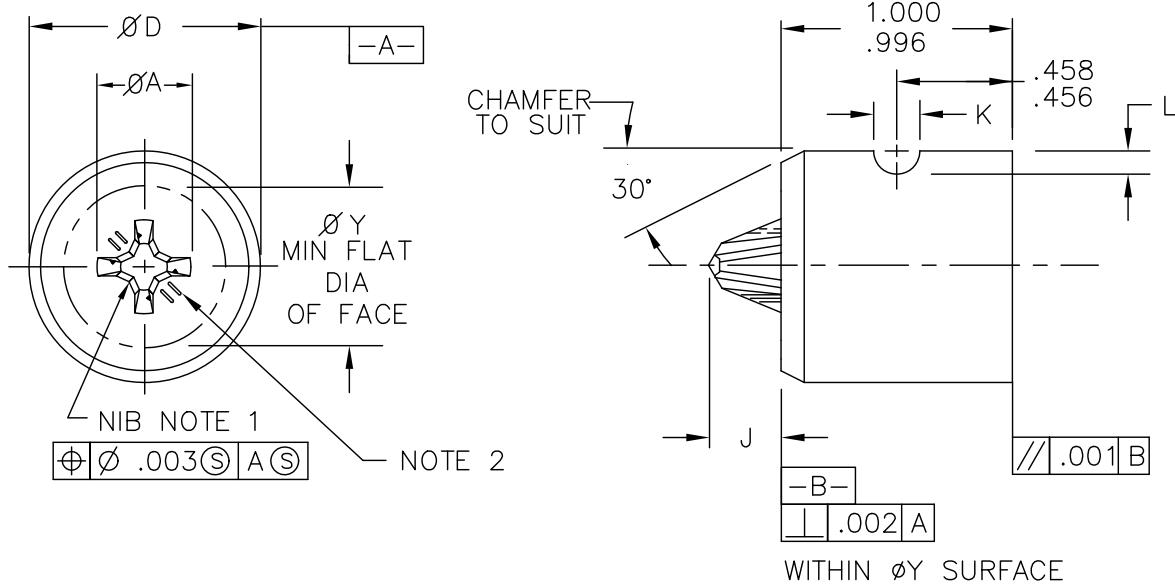
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
UNDERCUT FLAT HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-1D</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	HEAD SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	MIN. FACE DIA	PUNCH PENETRATION	
										MAX	MIN
4	3	10B 2	.099	.4375	.062	.126 .125	.062 .061	.199	.061	.053	
5	4	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074	
6	4	10B 3	.120	.4375	.083	.126 .125	.062 .061	.252	.082	.074	
6	5	20B 1	.146	.4375	.080	.126 .125	.062 .061	.305	.075	.065	
8	5	20B 134	.156	.4375	.090	.126 .125	.062 .061	.344	.085	.075	
8	6	20B 6	.174	.5625	.108	.213 .212	.106 .105	.385	.103	.093	
10	8	20B 3	.181	.5625	.115	.213 .212	.106 .105	.385	.110	.100	
12	8	20B 254	.191	.5625	.125	.213 .212	.106 .105	.332	.120	.110	
12	10	20B 4	.196	.5625	.130	.213 .212	.106 .105	.385	.125	.115	
1/4	10	20B 4	.196	.5625	.130	.213 .212	.106 .105	.385	.125	.115	
14	10	20B 4	.196	.5625	.130	.213 .212	.106 .105	.385	.125	.115	
1/4	12	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129	
14	12	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129	
5/16	12	30B 2	.260	.8750	.150	.213 .212	.106 .105	.544	.139	.129	
5/16	1/4	30B 3	.275	.8750	.165	.213 .212	.106 .105	.597	.154	.144	
5/16	14	30B 3	.275	.8750	.165	.213 .212	.106 .105	.597	.154	.144	
3/8	5/16	40B 4	.356	1.0000	.210	.213 .212	.106 .105	.762	.196	.186	

REVISION | UPDATE 7-30-13

NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT HEAD TRIM PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

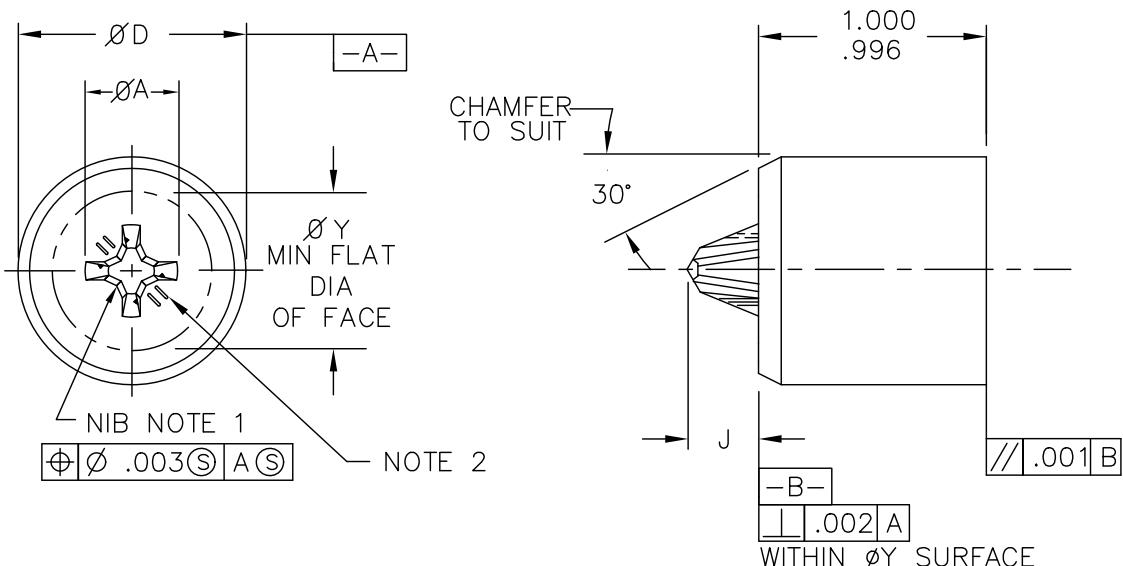
DRAWING NUMBER:

**P2P-1E**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE & TAPPING SCREWS

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	MIN. FACE DIA	PUNCH PENETRATION	
			$\phi D$			ØY	MAX	MIN
0	00B 19	.052	.4375	.029	.119	.031	.027	
1	00B 4	.060	.4375	.037	.146	.039	.035	
2	10B 80	.087	.4375	.050	.172	.049	.041	
3	10B 1	.094	.4375	.057	.199	.056	.048	
4	10B 54	.109	.4375	.072	.312	.071	.063	
5	20B 123	.134	.4375	.068	.312	.063	.056	
6	20B 1	.146	.4375	.080	.305	.075	.065	
7	20B 1	.146	.4375	.080	.305	.075	.065	
8	20B 135	.161	.5625	.095	.375	.090	.080	
9	20B 2	.166	.4375	.100	.358	.095	.085	
10	20B 136	.176	.5625	.110	.438	.105	.095	
12	30B 141	.235	.5625	.125	.438	.114	.104	
12	30B 46	.235	.8750	.125	.438	.114	.104	
1/4	30B 93	.239	.8750	.129	.594	.118	.108	
14	30B 93	.239	.8750	.129	.594	.118	.108	
16	30B 2	.260	.8750	.150	.544	.139	.129	
18	30B 3	.275	.8750	.165	.597	.154	.144	
5/16	40B 79	.309	1.0000	.162	.750	.148	.138	
3/8	40B 106	.333	1.0000	.187	.844	.173	.163	
7/16	40B 24	.356	1.2500	.210	.890	.196	.186	
1/2	40B 330	.385	1.2500	.239	1.017	.225	.215	
9/16	40B 331	.416	1.2500	.270	1.145	.256	.246	
5/8	50B 11	.503	1.5000	.275	1.375	.248	.237	
3/4	50B 3	.564	2.0000	.336	1.625	.309	.298	

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
100° FLAT HEAD PUNCH**

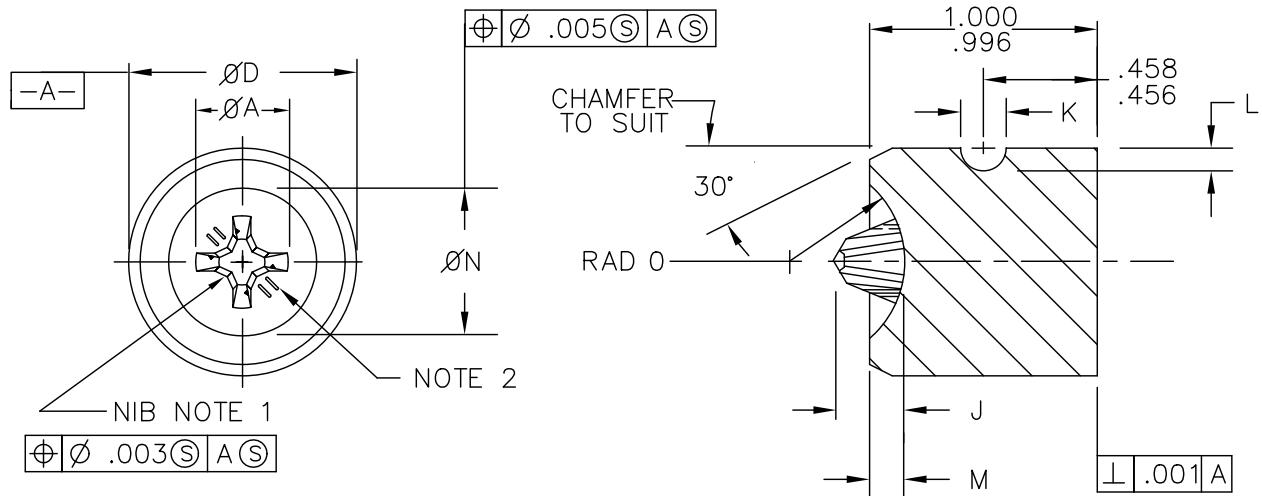
DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

CHECKED: L. DOUGAN DATE: 9-28-07

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326 SHEET 1 OF 1

**P2P-1F**

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## WOOD SCREWS

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	M	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
												O	MAX
0	00B 6	.065	.4375	.051	.126 .125	.062 .061	.027	.098	.058	.039	.035		
1	00B 7	.074	.4375	.061	.126 .125	.062 .061	.032	.120	.072	.049	.045		
2	10B 9	.106	.4375	.086	.126 .125	.062 .061	.035	.144	.091	.057	.047		
3	10B 10	.113	.4375	.094	.126 .125	.062 .061	.039	.162	.103	.066	.057		
4	10B 11	.122	.4375	.102	.126 .125	.062 .061	.043	.185	.121	.076	.067		
5	20B 30	.146	.4375	.101	.126 .125	.062 .061	.047	.207	.137	.063	.051		
6	20B 15	.154	.4375	.109	.126 .125	.062 .061	.051	.229	.154	.072	.061		
7	20B 16	.162	.5625	.117	.213 .212	.106 .105	.055	.249	.168	.081	.070		
8	20B 17	.170	.5625	.125	.213 .212	.106 .105	.059	.273	.187	.090	.079		
9	20B 18	.179	.5625	.134	.213 .212	.106 .105	.064	.293	.199	.099	.088		
10	20B 19	.187	.5625	.142	.213 .212	.106 .105	.068	.317	.219	.107	.096		
12	30B 16	.241	.8750	.162	.213 .212	.106 .105	.076	.361	.252	.108	.097		
14	30B 17	.257	.8750	.179	.213 .212	.106 .105	.084	.399	.279	.125	.114		
16	30B 18	.273	1.0000	.195	.213 .212	.106 .105	.092	.441	.310	.142	.131		
18	40B 14	.331	1.0000	.228	.213 .212	.106 .105	.101	.481	.337	.156	.145		
20	40B 15	.348	1.2500	.245	.213 .212	.106 .105	.109	.523	.368	.174	.163		
24	40B 16	.380	1.2500	.278	.213 .212	.106 .105	.126	.608	.430	.207	.196		

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
ROUND HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER:
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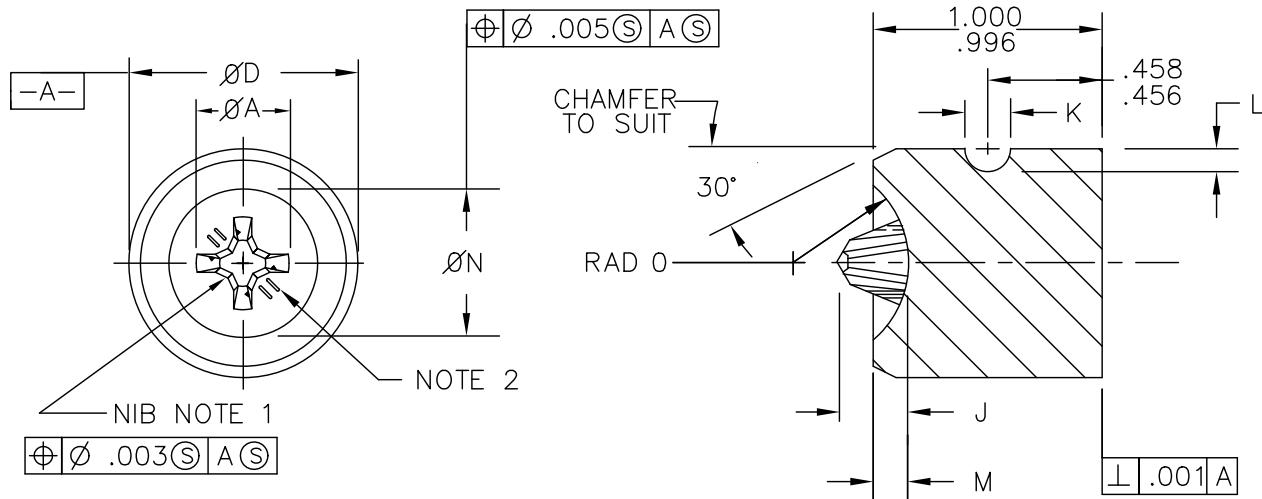
CHECKED: L. DOUGAN	DATE: 9-28-07
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**P2P-2**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## **MACHINE SCREWS & TAPPING SCREWS EXCEPT TYPE "A"**

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
											ØN	O
0	00B 6	.065	.4375	.051	.126 .125	.062 .061	.027	.098	.058	.039		.035
1	00B 7	.074	.4375	.061	.126 .125	.062 .061	.032	.120	.072	.049		.045
2	10B 46	.092	.4375	.068	.126 .125	.062 .061	.035	.144	.091	.045		.036
3	10B 45	.101	.4375	.078	.126 .125	.062 .061	.039	.162	.103	.055		.046
4	10B 44	.110	.4375	.087	.126 .125	.062 .061	.043	.185	.121	.065		.056
5	20B 30	.146	.4375	.101	.126 .125	.062 .061	.047	.207	.137	.063		.051
6	20B 15	.154	.4375	.109	.126 .125	.062 .061	.051	.229	.154	.072		.061
7	20B 16	.162	.5625	.117	.213 .212	.106 .105	.055	.249	.168	.081		.070
8	20B 17	.170	.5625	.125	.213 .212	.106 .105	.059	.273	.187	.090		.079
10	20B 19	.187	.5625	.142	.213 .212	.106 .105	.068	.317	.219	.107		.096
12	30B 16	.241	.8750	.162	.213 .212	.106 .105	.076	.361	.252	.108		.097
1/4	30B 19	.262	.8750	.184	.213 .212	.106 .105	.087	.411	.286	.130		.119
5/16	30B 20	.301	1.0000	.224	.213 .212	.106 .105	.107	.510	.357	.170		.159
3/8	40B 16	.380	1.2500	.278	.213 .212	.106 .105	.126	.608	.430	.207		.196
7/16	40B 17	.394	1.2500	.294	.213 .212	.106 .105	.144	.651	.440	.221		.210
1/2	40B 18	.409	1.2500	.312	.213 .212	.106 .105	.178	.718	.451	.236		.225
9/16	40B 140	.446	1.5000	.357	.213 .212	.106 .105	.205	.770	.464	.272		.261
5/8	50B 1	.541	2.0000	.393	—	—	.219	.827	.500	.268		.255
3/4	50B 2	.641	2.0000	.498	—	—	.274	1.060	.650	.371		.358

REVISION | UPDATE 7-30-13

## NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
  2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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**TITLE: PHILLIPS II ® ANTI-CAM-OUT  
ROUND HEAD PUNCH**

DRAWN: \_\_\_\_\_ DATE: \_\_\_\_\_ DRAWING NUMBER: \_\_\_\_\_

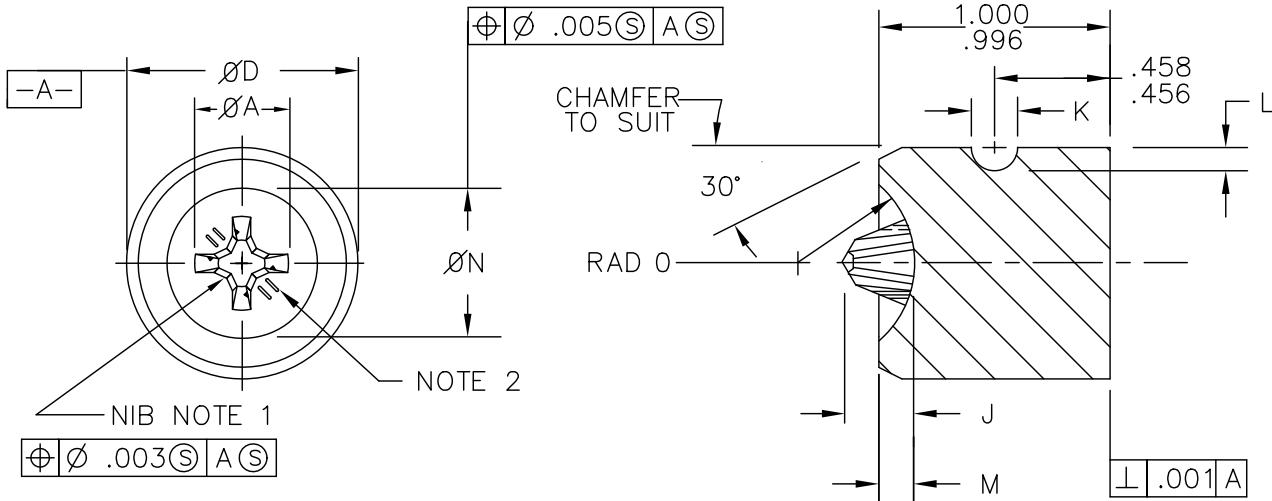
R. CHERLIN 5-5-97

CHECKED: \_\_\_\_\_ DATE: \_\_\_\_\_ PZ

P2P-2A

SHEET 1 OF 1

UNCHECKED BY L. DOUGAN DATE 9-28-07 SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326



## TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	K	L	$+.002$ $-.000$	$+.005$ $-.000$	$+.005$ $-.000$	PUNCH PENETRATION	
			$\phi D$	J	M			$\phi N$	O	MAX	MIN	
0	00B 6	.065	.4375	.051	.126 .125	.062 .061	.027	.098	.058	.039	.035	
1	00B 7	.074	.4375	.061	.126 .125	.062 .061	.032	.120	.072	.049	.045	
2	10B 46	.092	.4375	.068	.126 .125	.062 .061	.035	.144	.091	.045	.036	
3	10B 45	.101	.4375	.078	.126 .125	.062 .061	.039	.162	.103	.055	.046	
4	10B 44	.110	.4375	.087	.126 .125	.062 .061	.043	.185	.121	.065	.056	
5	20B 30	.146	.4375	.101	.126 .125	.062 .061	.047	.207	.137	.063	.051	
6	20B 15	.154	.4375	.109	.126 .125	.062 .061	.051	.229	.154	.072	.061	
7	20B 16	.162	.5625	.117	.213 .212	.106 .105	.055	.249	.168	.081	.070	
8	20B 17	.170	.5625	.125	.213 .212	.106 .105	.059	.273	.187	.090	.079	
10	20B 19	.187	.5625	.142	.213 .212	.106 .105	.068	.317	.219	.107	.096	
12	30B 16	.241	.8750	.162	.213 .212	.106 .105	.076	.361	.252	.108	.097	
14	30B 17	.257	.8750	.179	.213 .212	.106 .105	.084	.399	.279	.125	.114	
16	30B 18	.273	1.0000	.195	.213 .212	.106 .105	.092	.441	.310	.142	.131	
18	40B 110	.321	1.0000	.215	.213 .212	.106 .105	.101	.481	.337	.146	.135	
20	40B 111	.336	1.0000	.230	.213 .212	.106 .105	.109	.523	.368	.162	.151	
24	40B 16	.380	1.2500	.278	.213 .212	.106 .105	.126	.608	.430	.207	.196	

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
ROUND HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

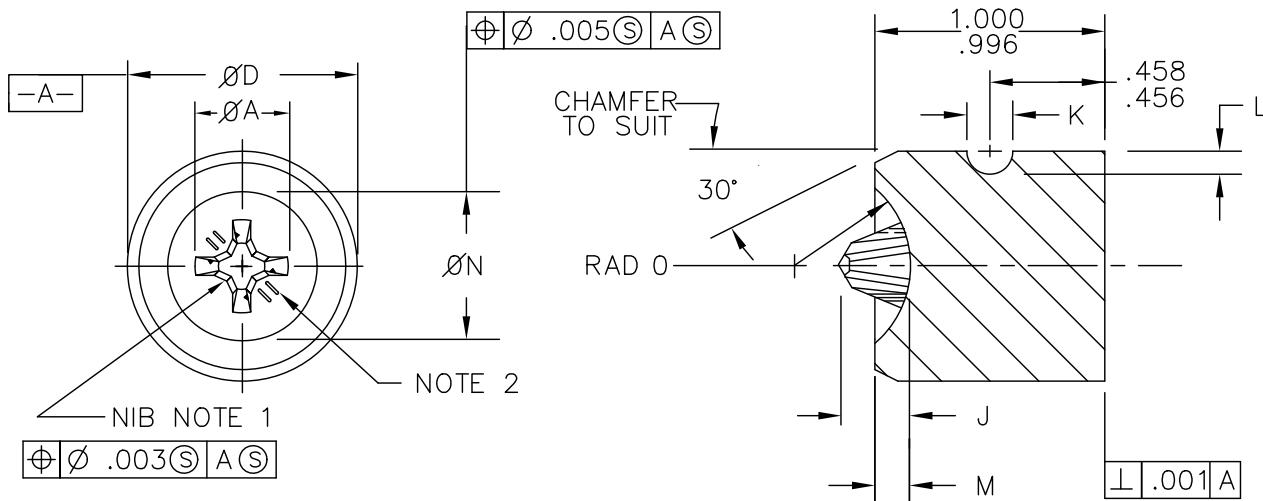
CHECKED: L. DOUGAN DATE: 9-28-07

**P2P-2B**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## WOOD SCREWS

SCREW SIZE	PUNCH NO.	ØA	+.006 -.000	±.0005	ØD	J	K	L	+.002 -.000	+.005 -.000	ØN	PUNCH PENETRATION	
												O	MAX
0	00B 8	.066	.4375	.047	.126 .125	.062 .061	.014	.115	.127	.042	.038		
1	00B 9	.069	.4375	.050	.126 .125	.062 .061	.019	.142	.144	.046	.042		
2	10B 4	.104	.4375	.075	.126 .125	.062 .061	.020	.168	.186	.062	.054		
3	10B 5	.115	.4375	.087	.126 .125	.062 .061	.024	.195	.210	.074	.066		
4	10B 6	.128	.4375	.100	.126 .125	.062 .061	.026	.221	.248	.087	.079		
5	20B 7	.150	.4375	.095	.126 .125	.062 .061	.030	.247	.269	.074	.064		
6	20B 8	.170	.4375	.116	.126 .125	.062 .061	.033	.274	.301	.094	.083		
7	20B 9	.181	.5625	.128	.213 .212	.106 .105	.036	.300	.330	.105	.095		
8	20B 10	.197	.5625	.145	.213 .212	.106 .105	.040	.326	.352	.121	.110		
9	20B 11	.208	.5625	.156	.213 .212	.106 .105	.042	.352	.389	.132	.122		
10	30B 6	.253	.8750	.163	.213 .212	.106 .105	.046	.379	.413	.125	.115		
12	30B 8	.275	.8750	.186	.213 .212	.106 .105	.053	.431	.464	.148	.137		
14	30B 9	.298	.8750	.210	.213 .212	.106 .105	.060	.484	.518	.171	.160		
16	30B 10	.324	1.0000	.238	.213 .212	.106 .105	.067	.536	.569	.197	.187		
18	40B 6	.374	1.0000	.256	.213 .212	.106 .105	.073	.589	.631	.206	.196		
20	40B 7	.392	1.0000	.275	.213 .212	.106 .105	.080	.641	.682	.225	.215		
24	40B 8	.429	1.2500	.312	.213 .212	.106 .105	.093	.746	.794	.262	.252		

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
OVAL HEAD PUNCH**

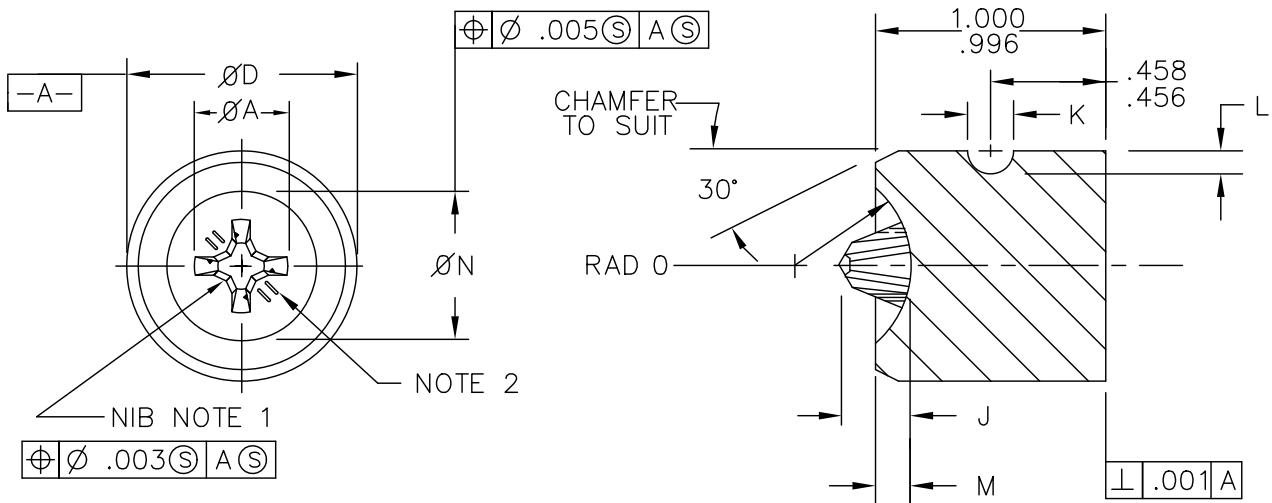
DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

**P2P-3**

SHEET 1 OF 1

CHECKED: L. DOUGAN DATE: 9-28-07  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$\pm .0005$	$\phi D$	J	K	L	$\pm .002$	$\pm .005$	$\pm .005$	$\pm .005$	PUNCH PENETRATION	
												MAX	MIN
0	00B 8	.066	.4375	.047	.126 .125	.062 .061	.014	.115	.127	.042	.038		
1	00B 9	.069	.4375	.050	.126 .125	.062 .061	.019	.142	.144	.046	.042		
2	10B 4	.104	.4375	.075	.126 .125	.062 .061	.020	.168	.186	.062	.054		
3	10B 5	.115	.4375	.087	.126 .125	.062 .061	.024	.195	.210	.074	.066		
4	10B 6	.128	.4375	.100	.126 .125	.062 .061	.026	.221	.248	.087	.079		
5	20B 7	.150	.4375	.095	.126 .125	.062 .061	.030	.247	.269	.074	.064		
6	20B 8	.170	.4375	.116	.126 .125	.062 .061	.033	.274	.301	.094	.083		
7	20B 14	.175	.5625	.121	.213 .212	.106 .105	.036	.300	.330	.099	.089		
8	20B 12	.184	.5625	.130	.213 .212	.106 .105	.040	.326	.352	.108	.098		
10	20B 13	.201	.5625	.148	.213 .212	.106 .105	.046	.379	.413	.126	.116		
12	30B 11	.262	.8750	.171	.213 .212	.106 .105	.053	.431	.464	.135	.124		
1/4	30B 12	.282	.8750	.191	.213 .212	.106 .105	.062	.500	.535	.155	.145		
5/16	40B 13	.382	1.0000	.264	.213 .212	.106 .105	.078	.627	.669	.215	.205		
3/8	40B 10	.402	1.2500	.282	.213 .212	.106 .105	.096	.752	.784	.235	.225		
7/16	40B 11	.414	1.2500	.295	.213 .212	.106 .105	.110	.810	.801	.247	.237		
1/2	40B 12	.430	1.2500	.312	.213 .212	.106 .105	.121	.865	.833	.263	.253		
9/16	40B 143	.460	1.5000	.339	.213 .212	.106 .105	.120	.990	1.080	.295	.285		
5/8	50B 7	.578	2.0000	.386	—	—	.139	1.115	1.188	.316	.305		
3/4	50B 8	.640	2.0000	.449	—	—	.176	1.365	1.411	.379	.367		

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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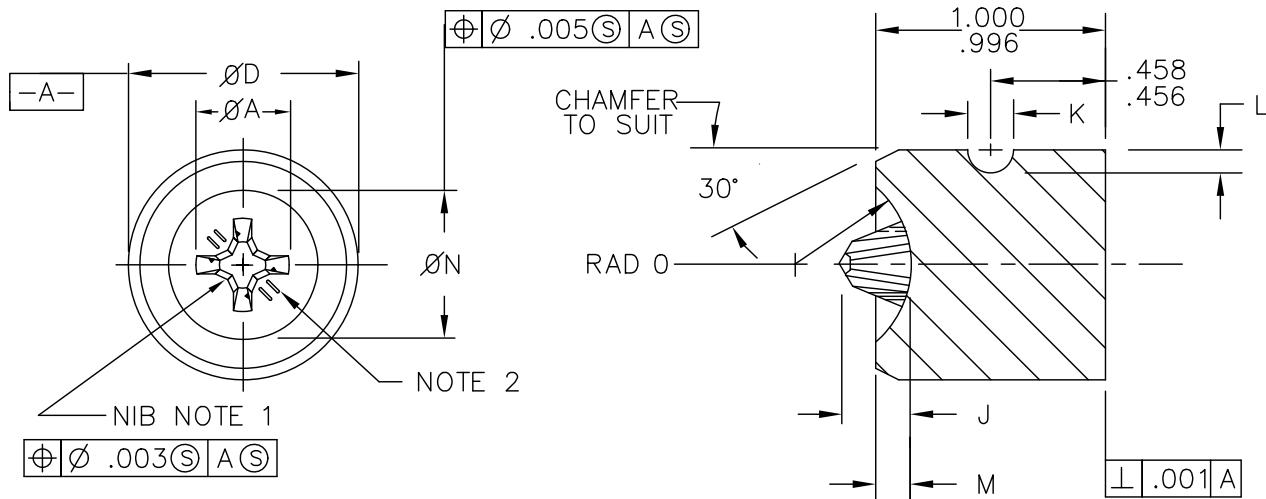
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TITLE: **PHILLIPS II ® ANTI-CAM-OUT  
OVAL HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-3A</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II ® PHILLIPS ® POZIDRIV ® ACR ® POZISQUARE ® PHILLIPS SQUARE-DRIV TORQ-SET ® TRI-WING ® MORTORQ ®  
HEXSTIX ® POZILOCK ® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$.006$ $-.000$	$\pm .0005$	$.006$ $-.000$	J	K	L	$.002$ $-.000$	$.005$ $-.000$	$.005$ $-.000$	PUNCH PENETRATION	
			$\phi D$	O	$\phi N$				M	O	MAX	MIN	
0	00B 8	.066	.4375	.047	.126	.125	.062	.061	.014	.115	.127	.042	.038
1	00B 9	.069	.4375	.050	.126	.125	.062	.061	.019	.142	.144	.046	.042
2	10B 4	.104	.4375	.075	.126	.125	.062	.061	.020	.168	.186	.062	.054
3	10B 5	.115	.4375	.087	.126	.125	.062	.061	.024	.195	.210	.074	.066
4	10B 6	.128	.4375	.100	.126	.125	.062	.061	.026	.221	.248	.087	.079
5	20B 7	.150	.4375	.095	.126	.125	.062	.061	.030	.247	.269	.074	.064
6	20B 8	.170	.4375	.116	.126	.125	.062	.061	.033	.274	.301	.094	.083
7	20B 14	.175	.5625	.121	.213	.212	.106	.105	.036	.300	.330	.099	.089
8	20B 12	.184	.5625	.130	.213	.212	.106	.105	.040	.326	.352	.108	.098
10	20B 13	.201	.5625	.148	.213	.212	.106	.105	.046	.379	.413	.126	.116
12	30B 11	.262	.8750	.171	.213	.212	.106	.105	.053	.431	.464	.135	.124
14	30B 13	.280	.8750	.190	.213	.212	.106	.105	.060	.484	.518	.154	.143
16	30B 10	.324	1.0000	.238	.213	.212	.106	.105	.067	.536	.569	.197	.187
18	40B 6	.374	1.0000	.256	.213	.212	.106	.105	.073	.589	.631	.206	.196
20	40B 7	.392	1.0000	.275	.213	.212	.106	.105	.080	.641	.682	.225	.215
24	40B 8	.429	1.2500	.312	.213	.212	.106	.105	.093	.746	.794	.262	.252

REVISION UPDATE 7-30-13

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE:

## PHILLIPS II® ANTI-CAM-OUT OVAL HEAD PUNCH

DRAWN:  
R. CHERLIN

DATE:  
5-5-97

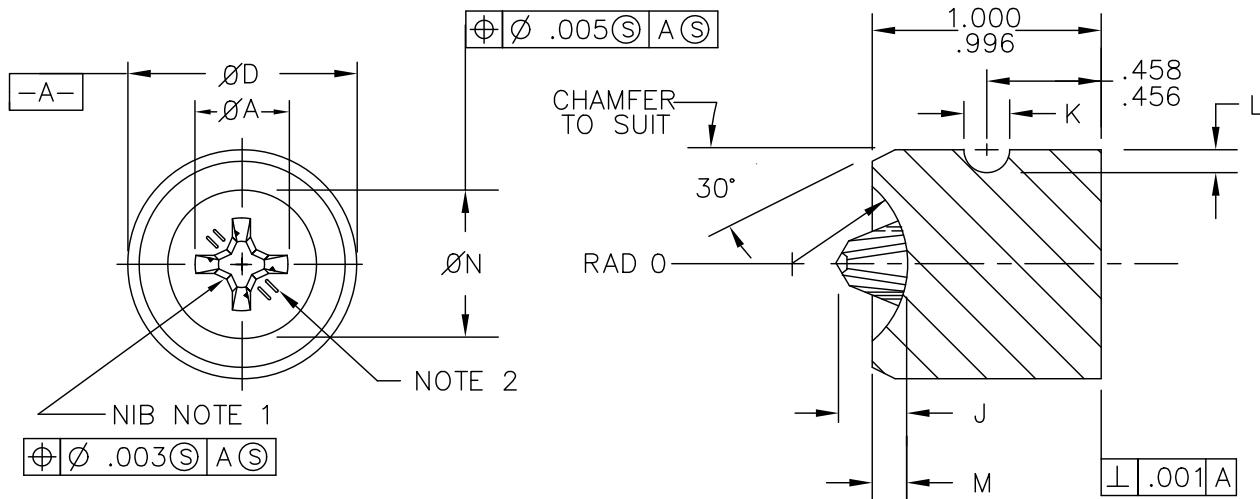
DRAWING NUMBER:  
P2P-3B

CHECKED:  
L. DOUGAN

DATE:  
9-28-07

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, are registered trademarks of the Phillips Screw Company.



### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	± .0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
											ØA	ØD
0	00B 8	.066	.4375	.047	.126 .125	.062 .061	.014	.115	.127	.042	.038	
1	00B 9	.069	.4375	.050	.126 .125	.062 .061	.019	.142	.144	.046	.042	
2	10B 4	.104	.4375	.075	.126 .125	.062 .061	.020	.168	.186	.062	.054	
3	10B 5	.115	.4375	.087	.126 .125	.062 .061	.024	.195	.210	.074	.066	
4	10B 6	.128	.4375	.100	.126 .125	.062 .061	.026	.221	.248	.087	.079	
5	20B 7	.150	.4375	.095	.126 .125	.062 .061	.030	.247	.269	.074	.064	
6	20B 8	.170	.4375	.116	.126 .125	.062 .061	.033	.274	.301	.094	.083	
7	20B 14	.175	.5625	.121	.213 .212	.106 .105	.036	.300	.330	.099	.089	
8	20B 12	.184	.5625	.130	.213 .212	.106 .105	.040	.326	.352	.108	.098	
10	20B 13	.201	.5625	.148	.213 .212	.106 .105	.046	.379	.413	.126	.116	
12	30B 11	.262	.8750	.171	.213 .212	.106 .105	.053	.431	.464	.135	.124	
1/4	30B 12	.282	.8750	.191	.213 .212	.106 .105	.062	.500	.535	.155	.145	
5/16	40B 254	.374	1.0000	.254	.213 .212	.106 .105	.078	.627	.669	.206	.196	
3/8	40B 255	.392	1.0000	.271	.213 .212	.106 .105	.098	.752	.770	.225	.215	
7/16	40B 256	.402	1.2500	.280	.213 .212	.106 .105	.102	.802	.839	.236	.226	
1/2	40B 257	.414	1.2500	.292	.213 .212	.106 .105	.110	.865	.905	.248	.238	

REVISION UPDATE 7-30-13

#### NOTES:

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2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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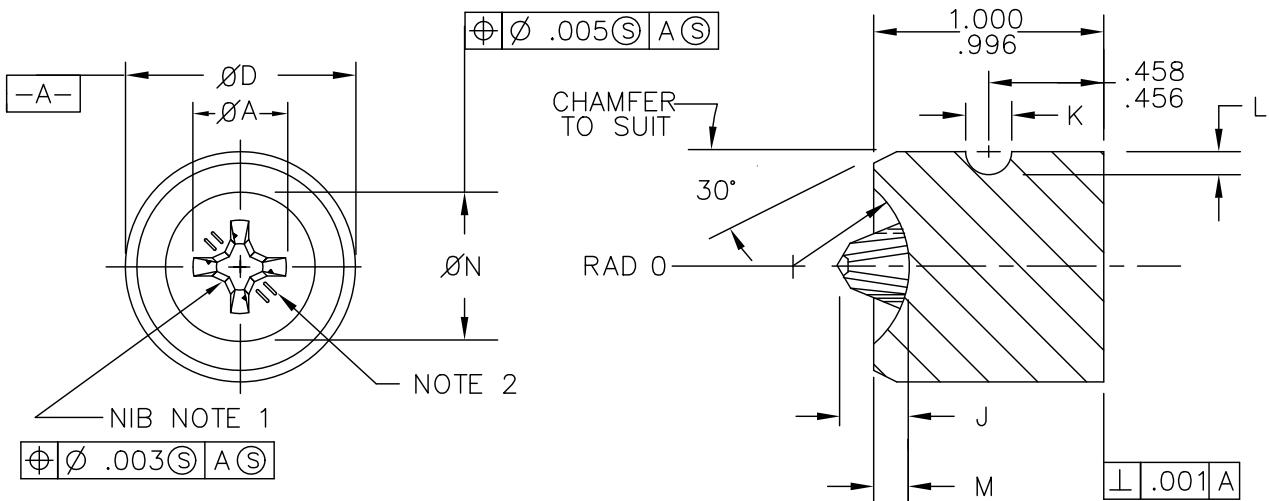
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
UNDERCUT OVAL HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-3C</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	J	K	L	$+.002$ $-.000$	$+.005$ $-.000$	$+.005$ $-.000$	PUNCH PENETRATION	
			$\phi D$						M	$\phi N$	O	MAX	MIN
0	00B 8	.066	.4375	.047	.126 .125	.062 .061	.014	.115	.127	.042	.038		
1	00B 9	.069	.4375	.050	.126 .125	.062 .061	.019	.142	.144	.046	.042		
2	10B 4	.104	.4375	.075	.126 .125	.062 .061	.020	.168	.186	.062	.054		
3	10B 5	.115	.4375	.087	.126 .125	.062 .061	.024	.195	.210	.074	.066		
4	10B 6	.128	.4375	.100	.126 .125	.062 .061	.026	.221	.248	.087	.079		
5	20B 7	.150	.4375	.095	.126 .125	.062 .061	.030	.247	.269	.074	.064		
6	20B 8	.170	.4375	.116	.126 .125	.062 .061	.033	.274	.301	.094	.083		
7	20B 14	.175	.5625	.121	.213 .212	.106 .105	.036	.300	.330	.099	.089		
8	20B 12	.184	.5625	.130	.213 .212	.106 .105	.040	.326	.352	.108	.098		
10	20B 13	.201	.5625	.148	.213 .212	.106 .105	.046	.379	.413	.126	.116		
12	30B 11	.262	.8750	.171	.213 .212	.106 .105	.053	.431	.464	.135	.124		
14	30B 13	.280	.8750	.190	.213 .212	.106 .105	.060	.484	.518	.154	.143		
16	30B 142	.300	1.0000	.210	.213 .212	.106 .105	.067	.536	.569	.173	.163		
18	40B 145	.356	1.0000	.235	.213 .212	.106 .105	.073	.589	.631	.188	.178		
20	40B 13	.382	1.0000	.264	.213 .212	.106 .105	.078	.627	.669	.215	.205		
24	40B 7	.392	1.0000	.275	.213 .212	.106 .105	.080	.641	.682	.225	.215		

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

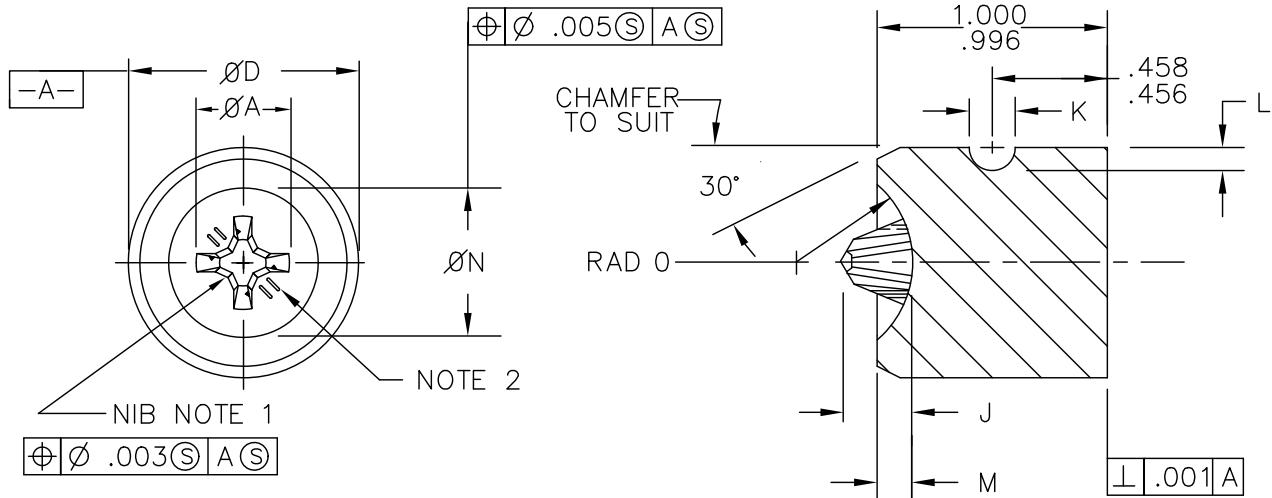
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
UNDERCUT OVAL HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-3D</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	SHEET 1 OF 1
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	HEAD SIZE	PUNCH NO.	ØA +.006 -.000	ØD ±.0005	J	M	+.002 -.000	+.005 -.000	PUNCH PENETRATION	
									ØN +.005 -.000	O MAX
4	3	10B 5	.115	.4375	.087	.024	.195	.210	.074	.066
5	4	10B 6	.128	.4375	.100	.026	.221	.248	.087	.079
6	4	10B 6	.128	.4375	.100	.026	.221	.248	.087	.079
6	5	20B 7	.150	.4375	.095	.030	.247	.269	.074	.064
6	5	20B 176	.161	.4375	.108	.030	.247	.269	.085	.076
8	5	20B 7	.150	.4375	.095	.030	.247	.269	.074	.064
8	5	20B 176	.161	.4375	.108	.030	.247	.269	.085	.076
8	6	20B 8	.170	.4375	.116	.033	.274	.301	.094	.083
8	6	20B 28	.186	.5625	.135	.033	.274	.301	.109	.099
10	8	20B 12	.184	.5625	.130	.040	.326	.352	.108	.098
10	8	20B 255	.199	.5625	.148	.040	.326	.352	.123	.113
12	8	20B 12	.184	.5625	.130	.040	.326	.352	.108	.098
12	8	20B 255	.199	.5625	.148	.040	.326	.352	.123	.113
12	10	20B 13	.201	.5625	.148	.046	.379	.413	.126	.116
12	10	20B 256	.212	.5625	.160	.046	.379	.413	.137	.126
1/4	10	20B 13	.201	.5625	.148	.046	.379	.413	.126	.116
14	10	20B 13	.201	.5625	.148	.046	.379	.413	.126	.116
1/4	10	20B 256	.212	.5625	.160	.046	.379	.413	.137	.126
14	10	20B 256	.212	.5625	.160	.046	.379	.413	.137	.126
1/4	12	30B 11	.262	.8750	.171	.053	.431	.464	.135	.124
14	12	30B 11	.262	.8750	.171	.053	.431	.464	.135	.124
5/16	12	30B 11	.262	.8750	.171	.053	.431	.464	.135	.124
5/16	1/4	30B 12	.282	.8750	.191	.062	.500	.535	.155	.145
3/8	5/16	40B 13	.382	1.0000	.264	.078	.627	.669	.215	.205

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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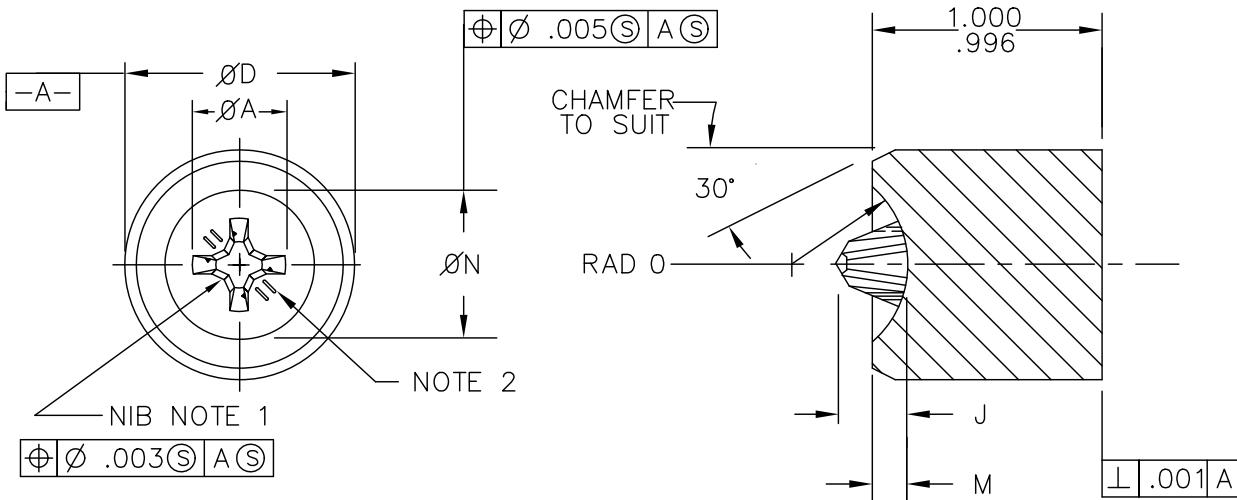
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
OVAL HEAD TRIM PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-3E</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE AND TAPPING SCREWS

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	$+.002$ $-.000$	$+.005$ $-.000$	$+.005$ $-.000$	PUNCH PENETRATION	
			J	M	$\phi N$	O	MAX	MIN		
2	10B 82	.093	.4375	.062	.020	.168	.186	.051	.043	
3	10B 83	.102	.4375	.072	.024	.195	.210	.061	.053	
4	10B 84	.117	.4375	.087	.026	.221	.248	.076	.068	
5	20B 7	.150	.4375	.095	.030	.247	.269	.074	.064	
6	20B 8	.170	.4375	.116	.033	.274	.301	.094	.083	
7	20B 14	.175	.5625	.121	.036	.300	.330	.099	.089	
8	20B 12	.184	.5625	.130	.040	.326	.352	.108	.098	
9	20B 203	.192	.5625	.138	.042	.352	.389	.117	.106	
10	20B 13	.201	.5625	.148	.046	.379	.413	.126	.116	
12	30B 11	.262	.8750	.171	.053	.431	.464	.135	.124	
14	30B 13	.280	.8750	.190	.060	.484	.518	.154	.143	
1/4	30B 12	.282	.8750	.191	.062	.500	.535	.155	.145	
16	30B 142	.300	1.0000	.210	.067	.536	.569	.173	.163	
18	40B 6	.374	1.0000	.256	.073	.589	.631	.206	.196	
5/16	40B 13	.382	1.0000	.264	.078	.627	.669	.215	.205	
3/8	40B 10	.402	1.2500	.282	.096	.752	.784	.235	.225	

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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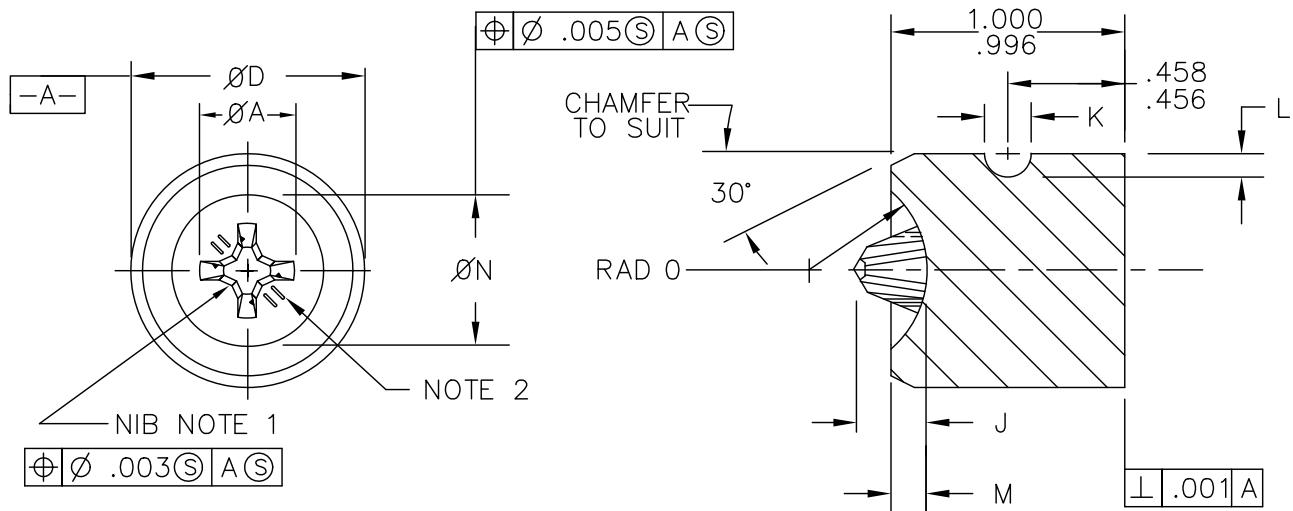
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
100° OVAL HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-3F</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
											O	MAX
0	00B 14	.059	.4375	.040	.126 .125	.062 .061	.028	.131	.091	.035	.031	
1	00B 15	.066	.4375	.048	.126 .125	.062 .061	.034	.160	.111	.042	.038	
2	10B 13	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044	
3	10B 14	.104	.4375	.077	.126 .125	.062 .061	.045	.215	.150	.061	.053	
4	10B 15	.114	.4375	.087	.126 .125	.062 .061	.049	.241	.173	.071	.063	
5	20B 346	.134	.4375	.080	.126 .125	.062 .061	.053	.264	.191	.056	.045	
6	20B 21	.158	.4375	.108	.126 .125	.062 .061	.055	.280	.207	.080	.069	
7	20B 22	.167	.5625	.117	.213 .212	.106 .105	.064	.317	.228	.089	.078	
8	20B 23	.174	.5625	.124	.213 .212	.106 .105	.072	.346	.244	.096	.085	
10	20B 25	.191	.5625	.142	.213 .212	.106 .105	.087	.409	.284	.114	.103	
12	30B 21	.254	.8750	.170	.213 .212	.106 .105	.096	.459	.323	.124	.113	
1/4	30B 22	.273	.8750	.189	.213 .212	.106 .105	.105	.519	.373	.144	.133	
5/16	30B 140	.314	1.0000	.232	.213 .212	.106 .105	.156	.698	.468	.186	.175	
3/8	40B 26	.381	1.2500	.263	.213 .212	.106 .105	.133	.788	.652	.213	.203	
7/16	40B 27	.406	1.2500	.285	.213 .212	.106 .105	.147	.913	.782	.239	.229	
1/2	40B 28	.426	1.2500	.305	.213 .212	.106 .105	.162	1.038	.917	.260	.250	
9/16	40B 281	.458	1.5000	.340	.213 .212	.106 .105	.177	1.112	.960	.292	.282	
5/8	50B 15	.573	1.5000	.388	.213 .212	.106 .105	.199	1.195	.995	.311	.299	
3/4	50B 6	.620	2.0000	.436	—	—	.290	1.500	1.115	.357	.345	

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
SHAVED FILLISTER HEAD PUNCH**

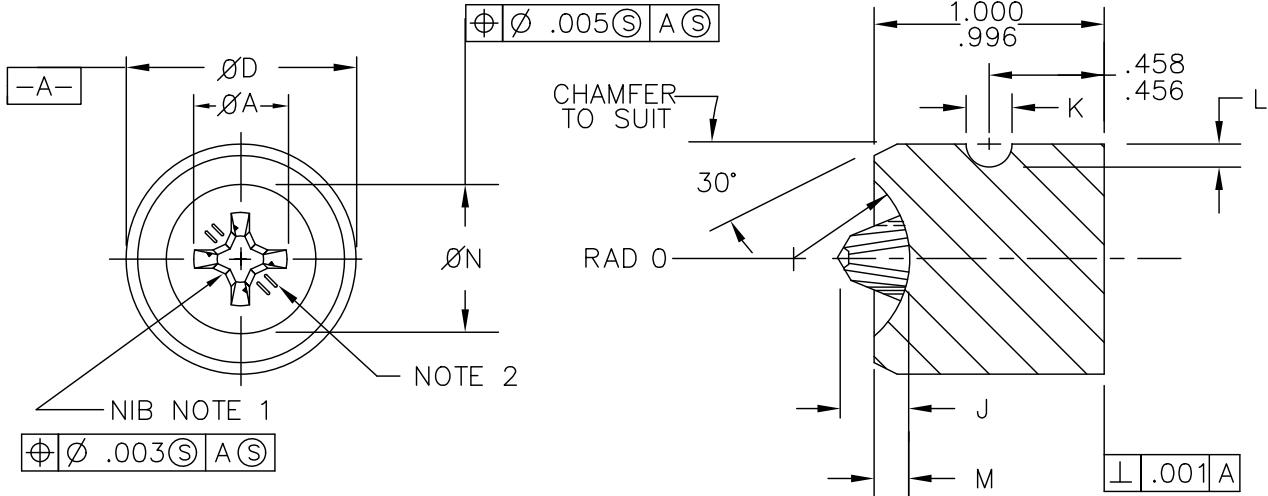
DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

**P2P-4**

SHEET 1 OF 1

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PHONE: 774-396-6190 FAX: 508-966-2326

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## TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
		ØA	ØD	ØN							O	MAX
0	00B 14	.059	.4375	.040	.126 .125	.062 .061	.028	.131	.091	.035	.031	
1	00B 15	.066	.4375	.048	.126 .125	.062 .061	.034	.160	.111	.042	.038	
2	10B 13	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044	
3	10B 14	.104	.4375	.077	.126 .125	.062 .061	.045	.215	.150	.061	.053	
4	10B 15	.114	.4375	.087	.126 .125	.062 .061	.049	.241	.173	.071	.063	
5	20B 346	.134	.4375	.080	.126 .125	.062 .061	.053	.264	.191	.056	.045	
6	20B 21	.158	.4375	.108	.126 .125	.062 .061	.055	.280	.207	.080	.069	
7	20B 22	.167	.5625	.117	.213 .212	.106 .105	.064	.317	.228	.089	.078	
8	20B 23	.174	.5625	.124	.213 .212	.106 .105	.072	.346	.244	.096	.085	
10	20B 25	.191	.5625	.142	.213 .212	.106 .105	.087	.409	.284	.114	.103	
12	30B 21	.254	.8750	.170	.213 .212	.106 .105	.096	.459	.323	.124	.113	
14	30B 22	.273	.8750	.189	.213 .212	.106 .105	.105	.519	.373	.144	.133	

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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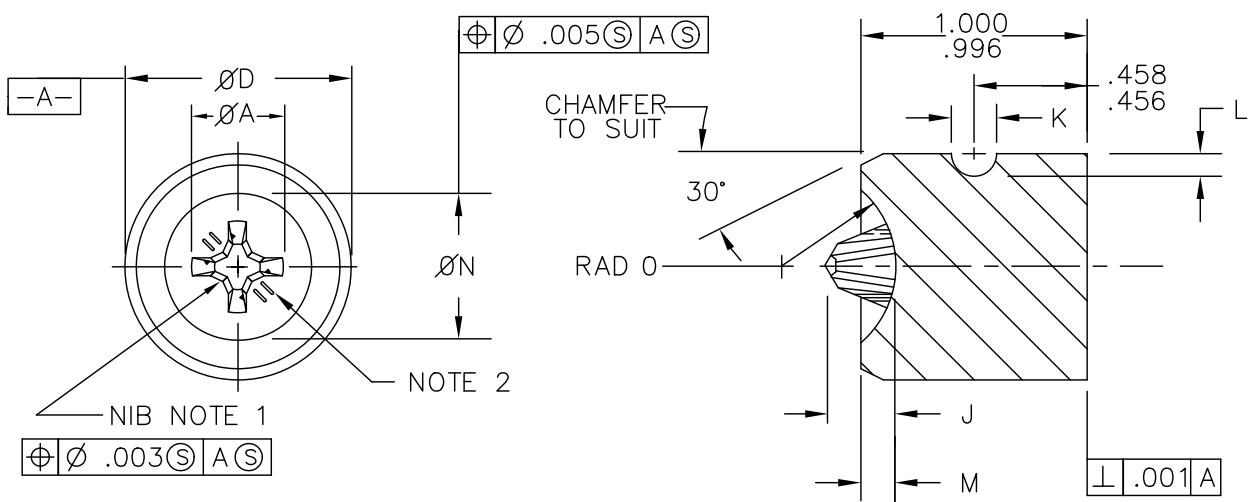
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
SHAVED FILLISTER HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-4A</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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## **MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"**

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
		ØA	ØD	M				ØN	O	MAX	MIN	
0	00B 20	.059	.4375	.041	.126	.125	.062	.014	.092	.082	.035	.031
1	00B 21	.066	.4375	.049	.126	.125	.062	.019	.114	.095	.042	.038
2	10B 35	.097	.4375	.071	.126	.125	.062	.022	.135	.114	.052	.044
3	10B 37	.105	.4375	.079	.126	.125	.062	.026	.157	.132	.061	.053
4	10B 36	.114	.4375	.089	.126	.125	.062	.029	.179	.152	.071	.063
5	20B 265	.135	.4375	.082	.126	.125	.062	.032	.201	.177	.056	.045
6	20B 257	.159	.4375	.110	.126	.125	.062	.035	.222	.193	.080	.069
7	20B 278	.167	.5625	.117	.213	.212	.106	.036	.245	.226	.089	.078
8	20B 266	.174	.5625	.125	.213	.212	.106	.042	.267	.233	.096	.085
10	20B 258	.192	.5625	.143	.213	.212	.106	.048	.310	.274	.114	.103
12	30B 68	.254	.8750	.171	.213	.212	.106	.055	.355	.316	.124	.113
1/4	30B 67	.273	.8750	.189	.213	.212	.106	.063	.413	.371	.144	.133
5/16	30B 69	.314	.8750	.232	.213	.212	.106	.079	.520	.468	.186	.175
3/8	40B 162	.382	1.0000	.269	.213	.212	.106	.094	.624	.565	.213	.203
7/16	40B 163	.410	1.2500	.308	.213	.212	.106	.109	.625	.503	.239	.228
1/2	40B 164	.429	1.2500	.321	.213	.212	.106	.125	.752	.630	.260	.250

REVISION UPDATE 7-30-13

## NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
  2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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FINISHED FILLISTER HEAD PUNCH**

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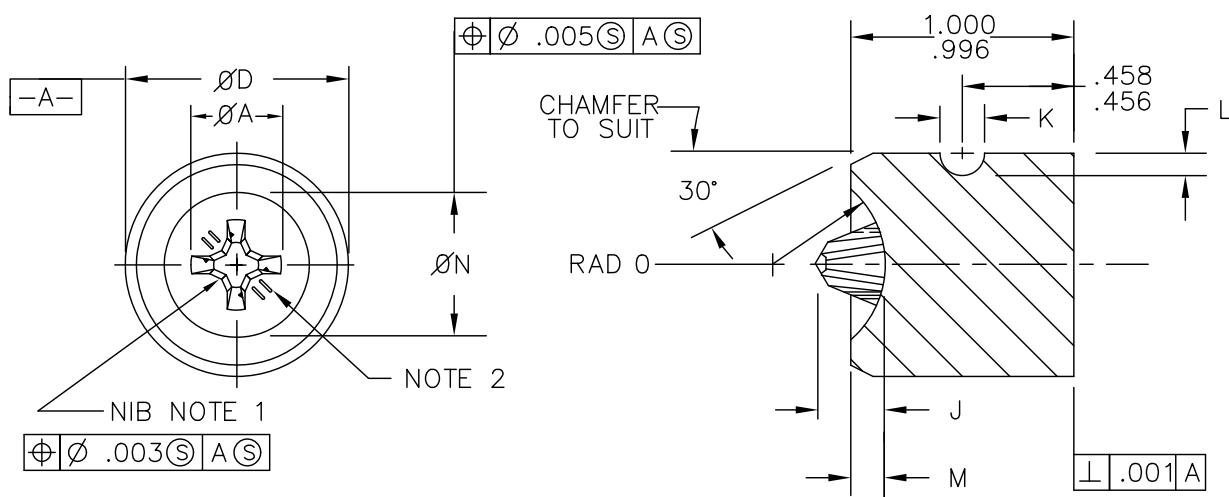
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R. CHERLIN 5-5-97 B25

CHECKED: \_\_\_\_\_ DATE: \_\_\_\_\_

L. DOUGAN 9-28-07  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA  
PHONE: 774-396-6100 FAX: 508-266-2322

PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE PHILLIPS SQUARE-DRIV TORQ-SET TRI-WING MORTORQ  
HEXSTIX POZILOCK ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	J	K	L	M	$\phi N$	$+.005$ $-.000$	$+.005$ $-.000$	PUNCH PENETRATION	
														MAX
0	00B 20	.059	.4375	.041	.126 .125	.062 .061	.014	.092	.082	.035	.031			
1	00B 21	.066	.4375	.049	.126 .125	.062 .061	.019	.114	.095	.042	.038			
2	10B 35	.097	.4375	.071	.126 .125	.062 .061	.022	.135	.114	.052	.044			
3	10B 37	.105	.4375	.079	.126 .125	.062 .061	.026	.157	.132	.061	.053			
4	10B 36	.114	.4375	.089	.126 .125	.062 .061	.029	.179	.152	.071	.063			
5	20B 265	.135	.4375	.082	.126 .125	.062 .061	.032	.201	.177	.056	.045			
6	20B 257	.159	.4375	.110	.126 .125	.062 .061	.035	.222	.193	.080	.069			
7	20B 278	.167	.5625	.117	.213 .212	.106 .105	.036	.245	.226	.089	.078			
8	20B 266	.174	.5625	.125	.213 .212	.106 .105	.042	.267	.233	.096	.085			
10	20B 258	.192	.5625	.143	.213 .212	.106 .105	.048	.310	.274	.114	.103			
12	30B 68	.254	.8750	.171	.213 .212	.106 .105	.055	.355	.316	.124	.113			
14	30B 67	.273	.8750	.189	.213 .212	.106 .105	.063	.413	.371	.144	.133			

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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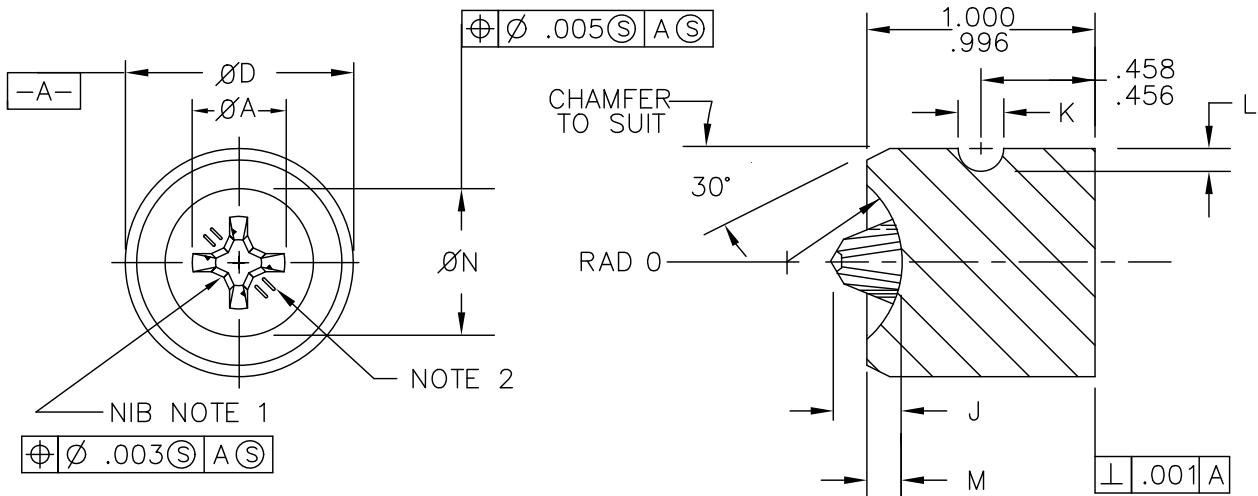
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TITLE: **PHILLIPS II® ANTI-CAM-OUT FINISHED FILLISTER HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-4C</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, are registered trademarks of the Phillips Screw Company



### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$\pm .0006$ $-.0000$	$\pm .0005$	REF	J	K	L	$\pm .002$ $-.000$	$\pm .005$ $-.000$	$\pm .005$ $-.000$	PUNCH PENETRATION	
												MAX	MIN
0	00B 14	.059	.4375	.040	.126 .125	.062 .061	.028	.131	.091	.035	.031		
1	00B 15	.066	.4375	.048	.126 .125	.062 .061	.034	.160	.111	.042	.038		
2	10B 13	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044		
3	10B 14	.104	.4375	.077	.126 .125	.062 .061	.045	.215	.150	.061	.053		
4	10B 15	.114	.4375	.087	.126 .125	.062 .061	.049	.241	.173	.071	.063		
5	20B 20	.150	.4375	.100	.126 .125	.062 .061	.053	.264	.191	.072	.061		
6	20B 21	.158	.4375	.108	.126 .125	.062 .061	.055	.280	.207	.080	.069		
7	20B 22	.167	.5625	.117	.213 .212	.106 .105	.064	.317	.228	.089	.078		
8	20B 23	.174	.5625	.124	.213 .212	.106 .105	.072	.346	.244	.096	.085		
10	30B 25	.191	.5625	.142	.213 .212	.106 .105	.087	.409	.284	.114	.103		
12	30B 21	.254	.8750	.170	.213 .212	.106 .105	.096	.459	.323	.124	.113		
1/4	30B 22	.273	.8750	.189	.213 .212	.106 .105	.105	.519	.373	.144	.133		
5/16	40B 9	.342	1.0000	.224	.213 .212	.106 .105	.118	.665	.527	.173	.163		
3/8	40B 26	.381	1.2500	.263	.213 .212	.106 .105	.133	.788	.652	.213	.203		
7/16	40B 27	.406	1.2500	.285	.213 .212	.106 .105	.147	.913	.782	.239	.229		
1/2	40B 28	.426	1.5000	.305	.213 .212	.106 .105	.162	1.038	.917	.260	.250		
9/16	40B 281	.458	1.5000	.340	.213 .212	.106 .105	.177	1.112	.960	.292	.282		
5/8	50B 15	.573	1.5000	.388	.213 .212	.106 .105	.199	1.195	.995	.311	.299		
3/4	50B 6	.620	2.0000	.436	-	-	.290	1.500	1.115	.357	.345		

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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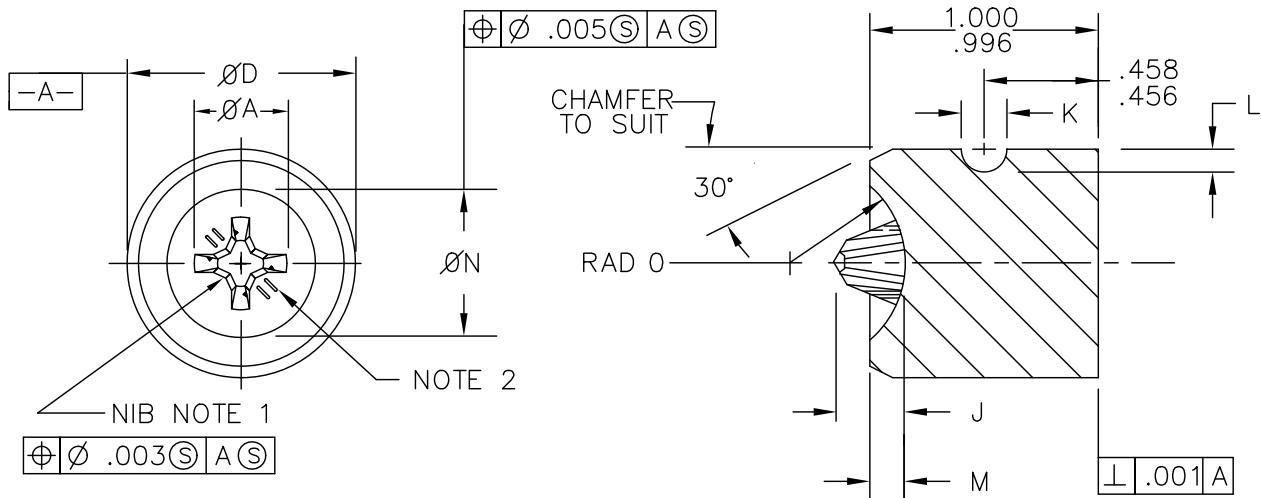
TITLE: **PHILLIPS II® ANTI-CAM-OUT PAN HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-5</b>
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CHECKED: L. DOUGAN	DATE: 9-28-07
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PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
											O	MAX
0	00B 14	.059	.4375	.040	.126 .125	.062 .061	.028	.131	.091	.035	.031	
1	00B 15	.066	.4375	.048	.126 .125	.062 .061	.034	.160	.111	.042	.038	
2	10B 13	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044	
3	10B 14	.104	.4375	.077	.126 .125	.062 .061	.045	.215	.150	.061	.053	
4	10B 15	.114	.4375	.087	.126 .125	.062 .061	.049	.241	.173	.071	.063	
5	20B 20	.150	.4375	.100	.126 .125	.062 .061	.053	.264	.191	.072	.061	
6	20B 21	.158	.4375	.108	.126 .125	.062 .061	.055	.280	.207	.080	.069	
7	20B 22	.167	.5625	.117	.213 .212	.106 .105	.064	.317	.228	.089	.078	
8	20B 23	.174	.5625	.124	.213 .212	.106 .105	.072	.346	.244	.096	.085	
10	20B 25	.191	.5625	.142	.213 .212	.106 .105	.087	.409	.284	.114	.103	
12	30B 21	.254	.8750	.170	.213 .212	.106 .105	.096	.459	.323	.124	.113	
14	30B 226	.274	.8750	.190	.213 .212	.106 .105	.100	.506	.370	.144	.133	
16	30B 185	.286	.8750	.201	.213 .212	.106 .105	.109	.574	.433	.158	.147	
18	40B 201	.327	1.0000	.210	.213 .212	.106 .105	.115	.618	.474	.158	.147	
20	40B 9	.342	1.0000	.224	.213 .212	.106 .105	.118	.665	.527	.173	.163	
24	40B 26	.381	1.2500	.263	.213 .212	.106 .105	.133	.788	.652	.213	.203	

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT PAN HEAD PUNCH**

DRAWN: R. CHERLIN

DATE: 5-5-97

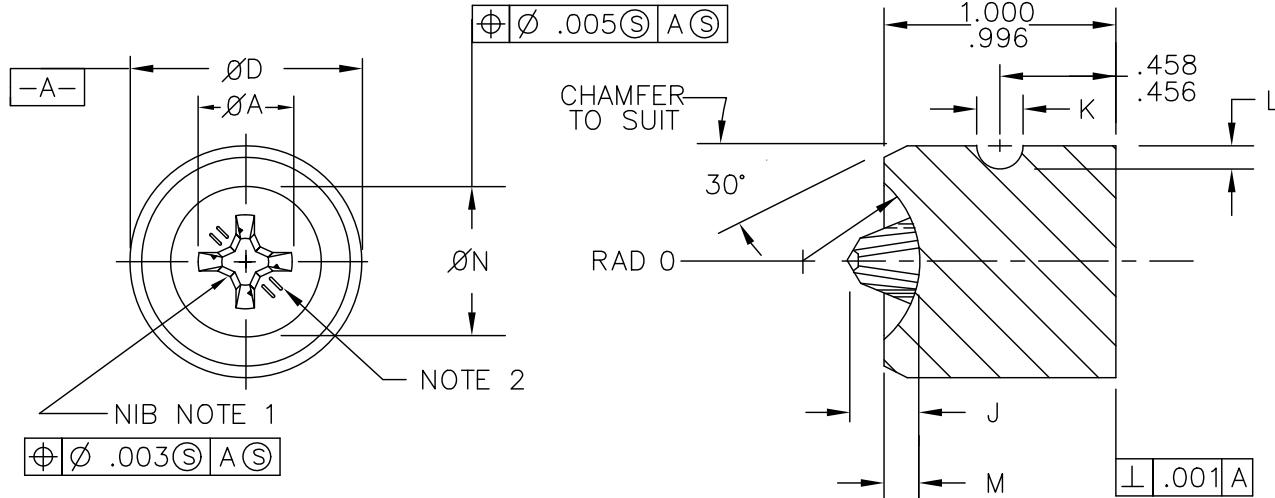
DRAWING NUMBER:

**P2P-5A**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

® PHILLIPS II PHILLIPS POZIDRIV ACR POZISQUARE ® PHILLIPS SQUARE-DRIV TORQ-SET TRI-WING MORTORQ  
HEXSTIX POZILOCK ® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## WOOD SCREWS

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\phi D$	J	K	L	$+.002$ $-.000$	$+.005$ $-.000$	$\phi N$	O	PUNCH PENETRATION	
			$\pm .0005$					$+.005$ $-.000$	$+.005$ $-.000$			MAX	MIN
0	00B 14	.059	.4375	.040	.126	.125	.062	.028	.131	.091	.035	.031	
1	00B 15	.066	.4375	.048	.126	.125	.062	.034	.160	.111	.042	.038	
2	10B 13	.096	.4375	.068	.126	.125	.062	.040	.190	.132	.052	.044	
3	10B 14	.104	.4375	.077	.126	.125	.062	.045	.215	.150	.061	.053	
4	10B 15	.114	.4375	.087	.126	.125	.062	.049	.241	.173	.071	.063	
5	20B 20	.150	.4375	.100	.126	.125	.062	.053	.264	.191	.072	.061	
6	20B 21	.158	.4375	.108	.126	.125	.062	.055	.280	.207	.080	.069	
7	20B 22	.167	.5625	.117	.213	.212	.106	.064	.317	.228	.089	.078	
8	20B 23	.174	.5625	.124	.213	.212	.106	.072	.346	.244	.096	.085	
9	20B 24	.182	.5625	.133	.213	.212	.106	.082	.382	.263	.105	.094	
10	20B 25	.191	.5625	.142	.213	.212	.106	.087	.409	.284	.114	.103	
11	30B 14	.244	.8750	.159	.213	.212	.106	.091	.434	.305	.113	.102	
12	30B 21	.254	.8750	.170	.213	.212	.106	.096	.459	.323	.124	.113	
14	30B 22	.273	.8750	.189	.213	.212	.106	.105	.519	.373	.144	.133	
16	30B 185	.286	.8750	.201	.213	.212	.106	.109	.574	.433	.158	.147	
18	40B 201	.327	1.0000	.210	.213	.212	.106	.115	.618	.474	.158	.147	
20	40B 9	.342	1.0000	.224	.213	.212	.106	.118	.665	.527	.173	.163	
24	40B 26	.381	1.2500	.263	.213	.212	.106	.133	.788	.652	.213	.203	

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
PAN HEAD PUNCH**

DRAWN:  
R. CHERLIN

DATE:  
5-5-97

DRAWING NUMBER:

**P2P-5B**

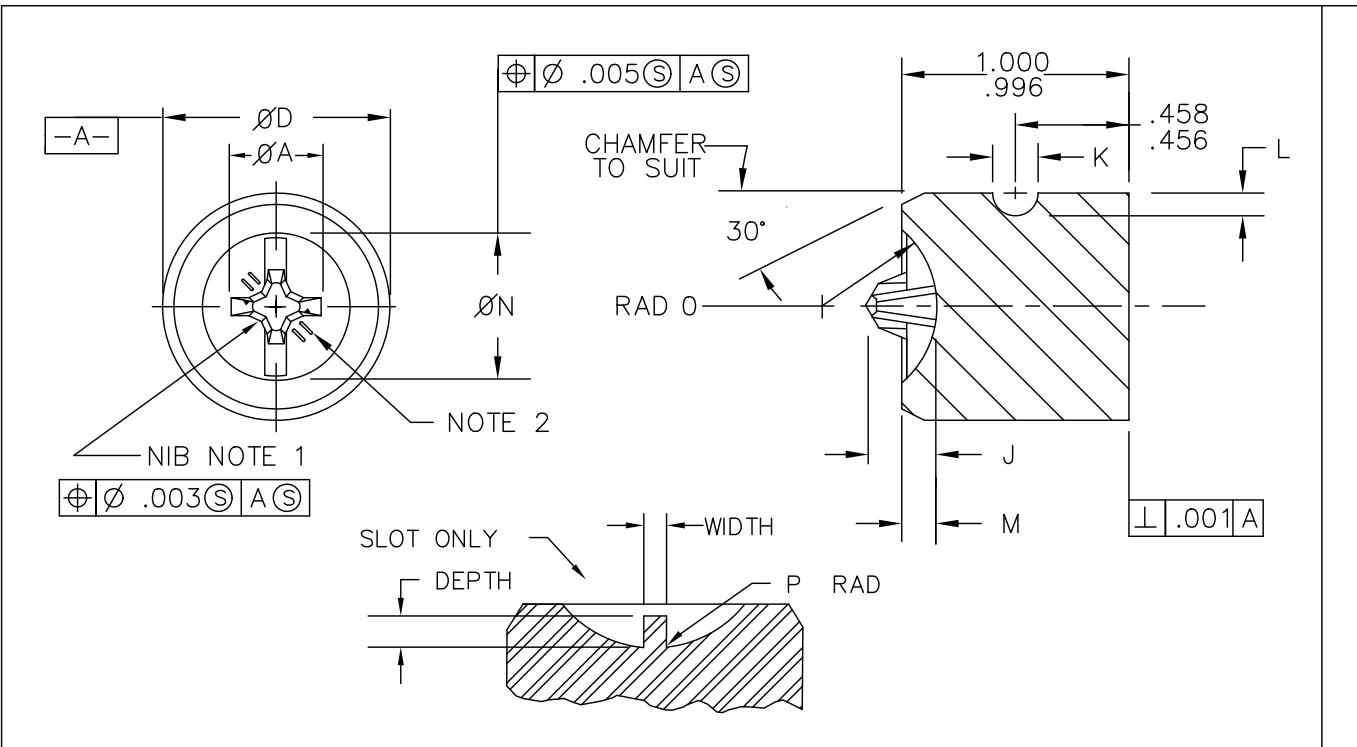
SHEET 1 OF 1

CHECKED:  
L. DOUGAN

DATE:  
9-28-07

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	ØA	ØD	J	K	L	M	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION		SLOT ±.001		P
														MAX	MIN	WIDTH	DEPTH	
0	-	.059	.4375	.040	.126 .125	.062 .061	.028	.131	.091	.035	.31	—	—	.012 .008				
1	-	.066	.4375	.048	.126 .125	.062 .061	.034	.160	.111	.042	.038	—	—	.012 .008				
2	10B 154	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044	.027	.028	.022 .018				
3	10B 155	.104	.4375	.077	.126 .125	.062 .061	.045	.215	.150	.061	.053	.031	.031	.022 .018				
4	10B 156	.114	.4375	.087	.126 .125	.062 .061	.049	.241	.173	.071	.063	.035	.035	.022 .018				
5	20B 551	.150	.4375	.100	.126 .125	.062 .061	.053	.264	.191	.072	.061	.039	.041	.027 .023				
6	20B 552	.158	.4375	.108	.126 .125	.062 .061	.055	.280	.207	.080	.069	.044	.044	.027 .023				
7	20B 553	.167	.5625	.117	.213 .212	.106 .105	.064	.317	.228	.089	.078	.044	.046	.027 .023				
8	20B 554	.174	.5625	.124	.213 .212	.106 .105	.072	.346	.244	.096	.085	.049	.051	.027 .023				
10	20B 555	.191	.5625	.142	.213 .212	.106 .105	.087	.409	.284	.114	.103	.055	.058	.027 .023				
12	30B 236	.254	.8750	.170	.213 .212	.106 .105	.096	.459	.323	.124	.113	.061	.069	.032 .028				
1/4	30B 237	.273	.8750	.189	.213 .212	.106 .105	.105	.519	.373	.144	.133	.070	.079	.032 .028				
5/16	40B 267	.342	1.0000	.224	.213 .212	.106 .105	.118	.665	.527	.173	.163	.078	.095	.037 .033				
3/8		.381	1.2500	.263	.213 .212	.106 .105	.133	.788	.652	.213	.203							
7/16		.406	1.2500	.285	.213 .212	.106 .105	.147	.913	.782	.239	.229							
1/2		.426	1.5000	.305	.213 .212	.106 .105	.162	1.038	.917	.260	.250							

REVISION UPDATE 7-30-13

### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
COMBINATION SLOTTED PAN HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

CHECKED: L. DOUGAN DATE: 9-28-07

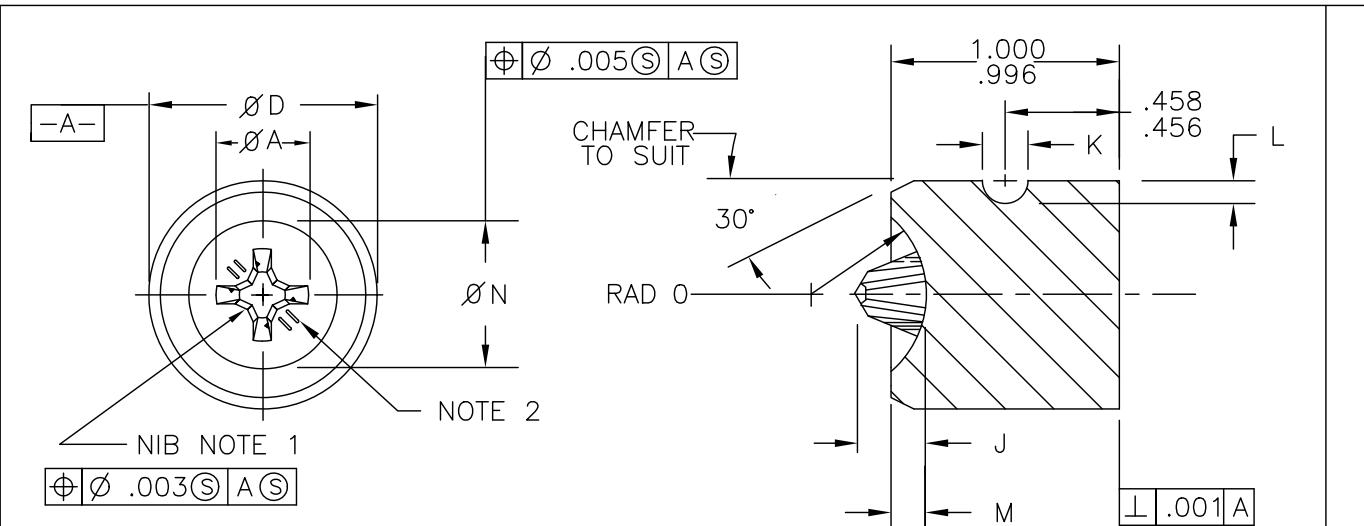
DRAWING NUMBER:

**P2P-5C**

SHEET 1 OF 1

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE AND TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$\phi D$	J	K	L	M	$\phi N$	O	PUNCH PENETRATION	
										MAX	MIN
0	00B 12	.055	.4375	.035	.126	.125	.062	.061	.021	.131	.113
1	00B 13	.063	.4375	.044	.126	.125	.062	.061	.032	.164	.121
2	10B 13	.096	.4375	.068	.126	.125	.062	.061	.040	.190	.132
3	10B 61	.102	.4375	.073	.126	.125	.062	.061	.041	.231	.184
4	10B 17	.104	.4375	.075	.126	.125	.062	.061	.051	.257	.187
5	10B 18	.120	.4375	.092	.126	.125	.062	.061	.057	.289	.211
6	20B 142	.150	.4375	.097	.126	.125	.062	.061	.065	.321	.231
6	20B 63	.150	.5625	.097	.213	.212	.106	.105	.065	.321	.231
8	20B 33	.165	.5625	.112	.213	.212	.106	.105	.078	.384	.275
10	20B 153	.180	.7500	.127	.213	.212	.106	.105	.094	.448	.314
10	20B 34	.180	.8750	.127	.213	.212	.106	.105	.094	.448	.314
12	30B 24	.240	.8750	.151	.213	.212	.106	.105	.110	.511	.351
1/4	30B 25	.255	.8750	.167	.213	.212	.106	.105	.125	.573	.391
1/4	30B 115	.255	1.0000	.167	.213	.212	.106	.105	.125	.573	.391
5/16	40B 20	.344	1.0000	.230	.213	.212	.106	.105	.156	.698	.468
5/16	40B 94	.344	1.2500	.230	.213	.212	.106	.105	.156	.698	.468
3/8	40B 21	.375	1.2500	.262	.213	.212	.106	.105	.187	.823	.546
7/16	40B 22	.406	1.2500	.294	.213	.212	.106	.105	.219	.937	.611
1/2	40B 31	.436	1.5000	.325	.213	.212	.106	.105	.250	1.062	.689
9/16	40B 144	.439	1.5000	.324	.213	.212	.106	.105	.279	1.198	.783
5/8	50B 9	.546	2.0000	.363	-	-	-	-	.309	1.310	.849
3/4	50B 10	.607	2.0000	.426	-	-	-	-	.368	1.560	1.011
										.344	.332

### SPECIALS

6	20B 149	.160	.4375	.108	.126	.125	.062	.061	.065	.321	.231	.082	.071
6	10B 19	.129	.5625	.102	.213	.212	.106	.105	.065	.321	.231	.087	.079
6	20B 148	.160	.5625	.108	.213	.212	.106	.105	.065	.321	.231	.082	.071
3/8	40B 105	.385	1.5000	.264	.213	.212	.106	.105	.188	1.000	.759	.218	.208

#### NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FULL CONTOUR TRUSS HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

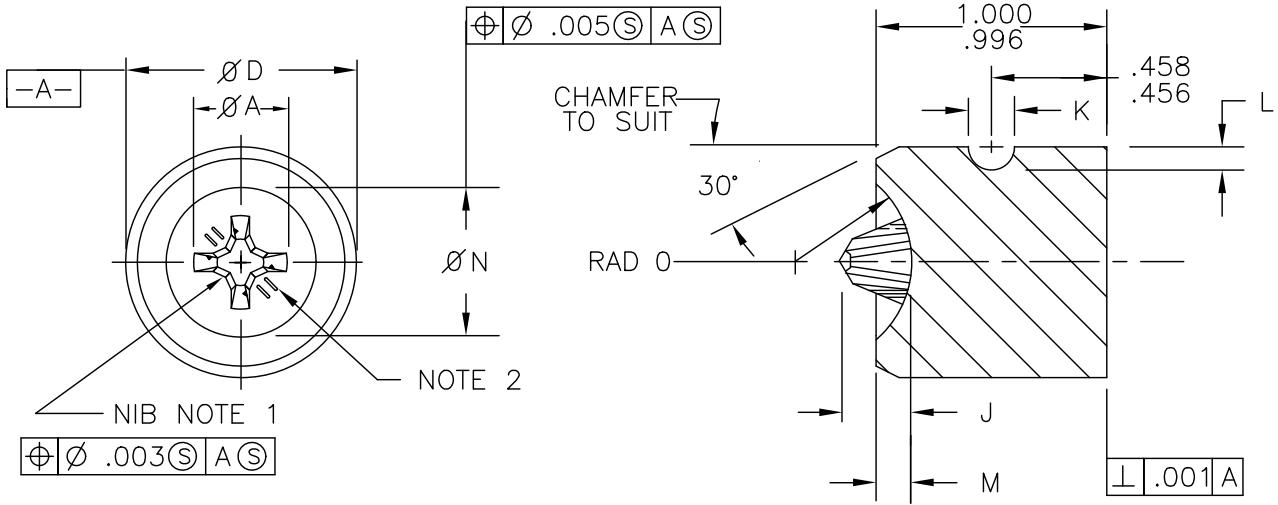
DRAWING NUMBER:

**P2P-6**

SHEET 1 OF 1

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PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$	$-.000$	$\pm .0005$	$+.006$	$-.000$	$\phi N$	O	PUNCH PENETRATION	
			$\phi D$	J	K	L	M			MAX	MIN
0	00B 12	.055	.4375	.035	.126 .125	.062 .061	.021	.131	.113	.031	.027
1	00B 13	.063	.4375	.044	.126 .125	.062 .061	.032	.164	.121	.040	.036
2	10B 13	.096	.4375	.068	.126 .125	.062 .061	.040	.190	.132	.052	.044
3	10B 61	.101	.4375	.071	.126 .125	.062 .061	.041	.231	.184	.059	.051
4	10B 17	.104	.4375	.075	.126 .125	.062 .061	.051	.257	.187	.062	.054
5	10B 18	.120	.4375	.092	.126 .125	.062 .061	.057	.289	.211	.078	.070
6	20B 142	.150	.4375	.097	.126 .125	.062 .061	.065	.321	.231	.073	.062
6	20B 63	.150	.5625	.097	.213 .212	.106 .105	.065	.321	.231	.073	.062
7	20B 71	.157	.5625	.103	.213 .212	.106 .105	.070	.352	.256	.080	.070
8	20B 33	.164	.5625	.111	.213 .212	.106 .105	.078	.384	.275	.088	.077
9	20B 64	.172	.8750	.119	.213 .212	.106 .105	.086	.415	.293	.096	.085
10	20B 153	.180	.7500	.127	.213 .212	.106 .105	.094	.448	.314	.104	.093
10	20B 34	.180	.8750	.127	.213 .212	.106 .105	.094	.448	.314	.104	.093
12	30B 24	.240	.8750	.151	.213 .212	.106 .105	.110	.511	.351	.111	.100
1/4	30B 25	.255	.8750	.166	.213 .212	.106 .105	.125	.573	.391	.126	.115
1/4	30B 115	.255	1.0000	.166	.213 .212	.106 .105	.125	.573	.391	.126	.115
5/16	40B 20	.344	1.0000	.230	.213 .212	.106 .105	.156	.698	.468	.173	.163
5/16	40B 94	.344	1.2500	.230	.213 .212	.106 .105	.156	.698	.468	.173	.163
3/8	40B 21	.375	1.2500	.262	.213 .212	.106 .105	.187	.823	.546	.206	.195
7/16	40B 22	.406	1.2500	.294	.213 .212	.106 .105	.219	.937	.611	.237	.226
1/2	40B 31	.436	1.5000	.325	.213 .212	.106 .105	.250	1.062	.689	.268	.257
9/16	40B 144	.439	1.5000	.325	.213 .212	.106 .105	.279	1.198	.773	.272	.262
5/8	50B 9	.546	2.0000	.363	—	—	.309	1.310	.849	.282	.270
3/4	50B 10	.607	2.0000	.426	—	—	.368	1.560	1.011	.344	.332

REVISION UPDATE 7-30-13

NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

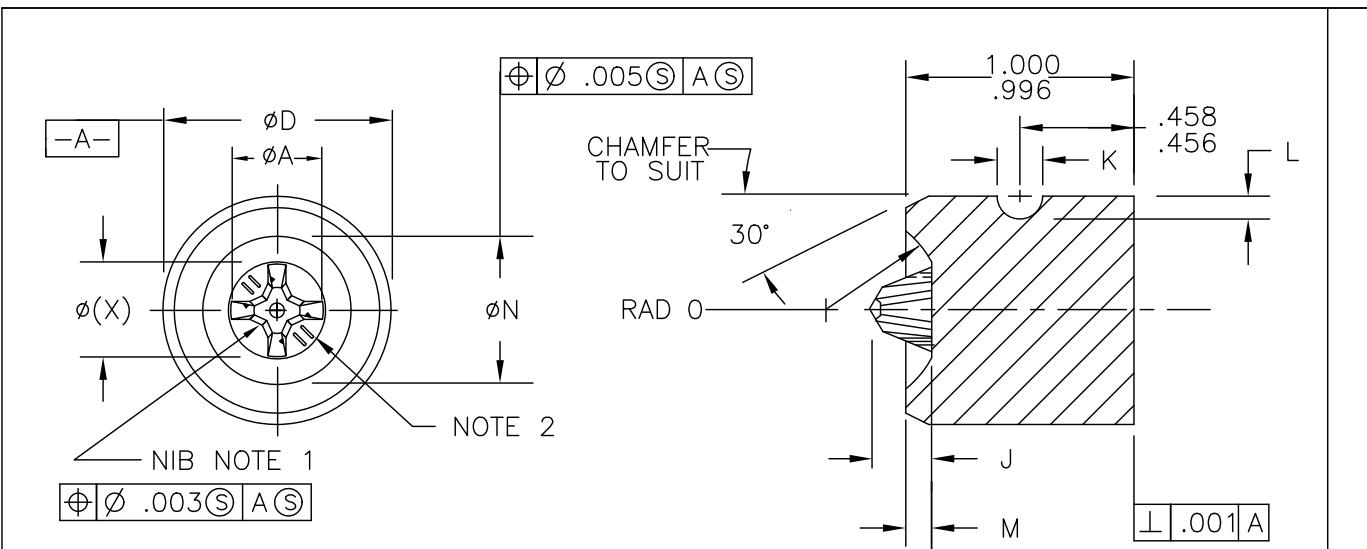
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TITLE: **PHILLIPS II® ANTI-CAM-OUT FULL CONTOUR TRUSS HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-6A</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	SHEET 1 OF 1
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$\phi D$	J	K	L	M	$\phi N$	O	PUNCH PENETRATION	
										REF	$\phi X$
0	00B 16	.053	.4375	.029	.126	.062	.019	.130	.097	.069	.031
1	00B 17	.061	.4375	.037	.126	.062	.026	.162	.116	.077	.039
2	10B 100	.089	.4375	.053	.126	.062	.024	.190	.132	.125	.052
3	10B 101	.097	.4375	.061	.126	.062	.029	.231	.184	.130	.060
4	10B 102	.099	.4375	.063	.126	.062	.039	.257	.187	.132	.062
5	10B 103	.115	.4375	.079	.126	.062	.044	.289	.211	.148	.078
6	20B 338	.143	.4375	.077	.126	.062	.046	.321	.231	.185	.072
6	20B 321	.143	.5625	.077	.213	.106	.046	.321	.231	.185	.072
7	20B 322	.151	.5625	.085	.213	.106	.051	.352	.256	.192	.080
8	20B 323	.159	.5625	.093	.213	.106	.059	.384	.275	.200	.088
9	20B 340	.166	.8750	.100	.213	.106	.067	.415	.293	.206	.095
10	20B 324	.174	.8750	.109	.213	.106	.075	.448	.314	.214	.104
10	20B 339	.174	.7500	.109	.212	.106	.075	.448	.314	.214	.104
12	30B 167	.232	.8750	.122	.213	.106	.081	.511	.351	.282	.111
1/4	30B 168	.247	.8750	.137	.213	.106	.096	.573	.391	.296	.126
1/4	30B 180	.247	1.0000	.137	.213	.106	.096	.573	.391	.296	.126
5/16	40B 172	.334	1.0000	.187	.213	.106	.113	.698	.468	.393	.173
5/16	40B 189	.334	1.2500	.187	.212	.105	.113	.698	.468	.393	.173
3/8	40B 173	.366	1.2500	.219	.213	.106	.144	.823	.546	.423	.205
7/16	40B 174	.397	1.2500	.251	.213	.106	.175	.937	.611	.454	.237
1/2	40B 175	.428	1.5000	.281	.213	.106	.206	1.062	.689	.484	.267

REVISION UPDATE 7-30-13

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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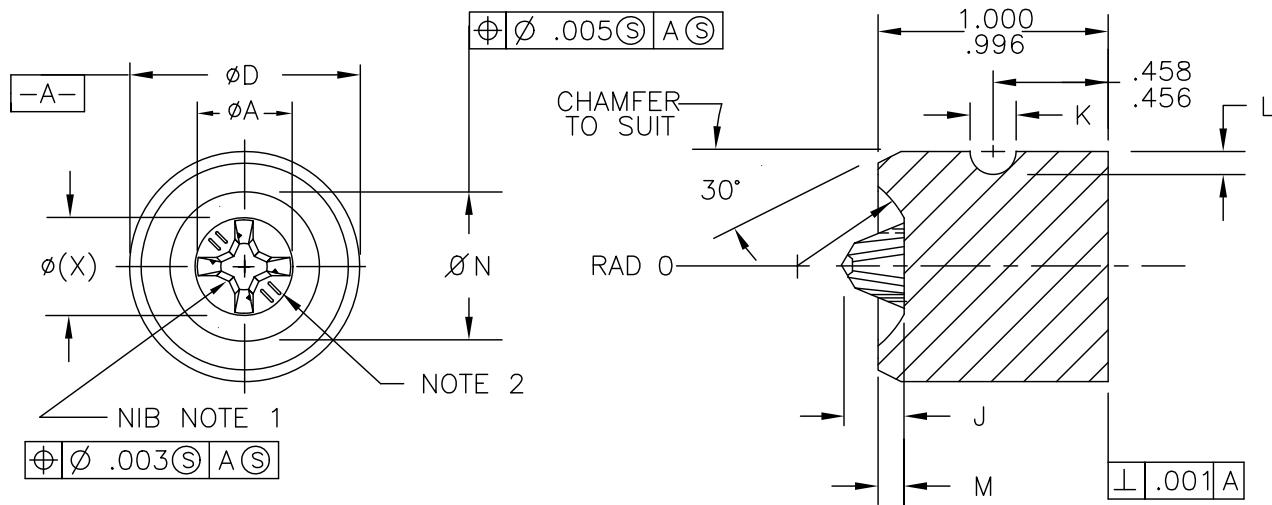
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT TOP TRUSS HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

CHECKED: L. DOUGAN DATE: 9-28-07

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



## TAPPING SCREWS TYPE "A"

SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	REF	PUNCH PENETRATION	
											ØA	ØD
0	00B 16	.053	.4375	.029	:126 :125	:062 .061	.019	.130	.097	.069	.031	.027
1	00B 17	.061	.4375	.037	:126 :125	:062 .061	.026	.162	.116	.077	.039	.035
2	10B 100	.089	.4375	.053	:126 :125	:062 .061	.024	.190	.132	.125	.052	.044
3	10B 101	.097	.4375	.061	:126 :125	:062 .061	.029	.231	.184	.130	.060	.052
4	10B 102	.099	.4375	.063	:126 :125	:062 .061	.039	.257	.187	.132	.062	.054
5	10B 103	.115	.4375	.079	:126 :125	:062 .061	.044	.289	.211	.148	.078	.070
6	20B 338	.143	.4375	.077	:126 :125	:062 .061	.046	.321	.231	.185	.072	.062
6	20B 321	.143	.5625	.077	:213 :212	:106 :105	.046	.321	.231	.185	.072	.062
7	20B 322	.151	.5625	.085	:213 :212	:106 :105	.051	.352	.256	.192	.080	.070
8	20B 323	.159	.5625	.093	:213 :212	:106 :105	.059	.384	.275	.200	.088	.078
9	20B 340	.166	.8750	.100	:213 :212	:106 :105	.067	.415	.293	.206	.095	.085
10	20B 324	.174	.8750	.109	:213 :212	:106 :105	.075	.448	.314	.214	.104	.094
10	20B 339	.174	.7500	.109	:213 :212	:106 :105	.075	.448	.314	.214	.104	.094
12	30B 167	.232	.8750	.122	:213 :212	:106 :105	.081	.511	.351	.282	.111	.101
14	30B 227	.247	.8750	.137	:213 :212	:106 :105	.091	.557	.381	.296	.126	.116
14	30B 228	.247	1.0000	.137	:213 :212	:106 :105	.091	.557	.381	.296	.126	.116
16	30B 184	.256	1.0000	.146	:213 :212	:106 :105	.102	.609	.419	.305	.135	.125
18	40B 199	.305	1.0000	.159	:213 :212	:106 :105	.106	.661	.452	.364	.145	.135
20	40B 200	.337	1.0000	.191	:213 :212	:106 :105	.113	.713	.487	.396	.177	.167
24	40B 173	.366	1.2500	.220	:213 :212	:106 :105	.144	.823	.546	.424	.206	.196

REVISION UPDATE 7-30-13

### NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

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TITLE: **PHILLIPS II® ANTI-CAM-OUT FLAT TOP TRUSS HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

DRAWING NUMBER:

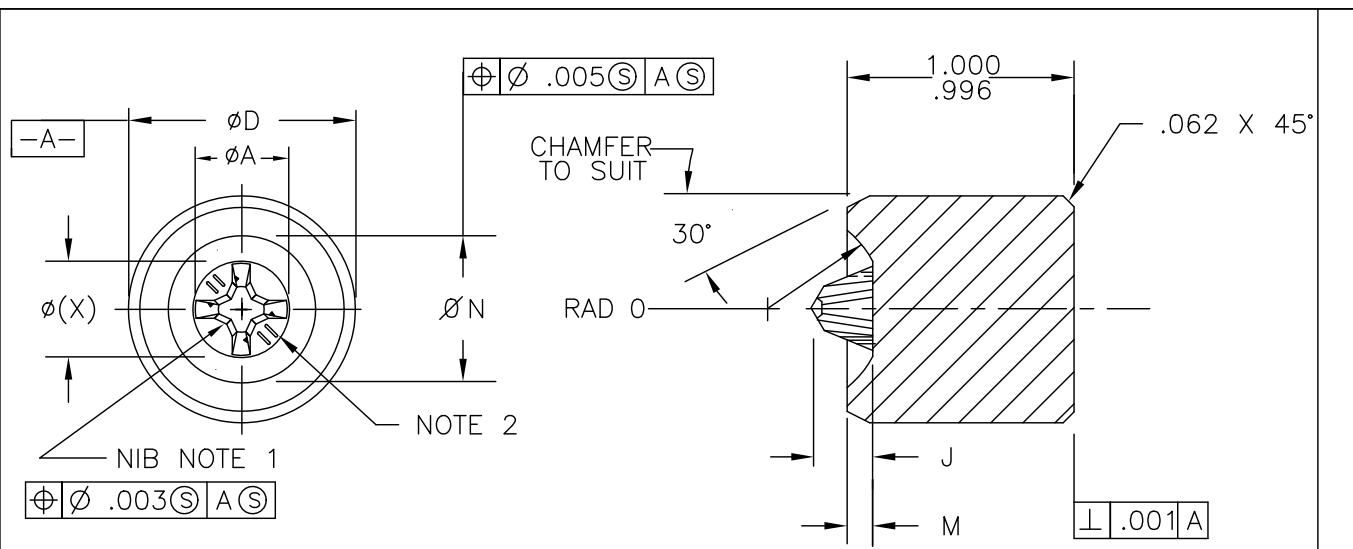
**P2P-6C**

SHEET 1 OF 1

CHECKED: L. DOUGAN DATE: 9-28-07

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NO.	$\phi A$	$\phi D$	$+.006-.000$	$\pm .0005$	$+.006-.000$	$+.002-.000$	$+.005-.000$	$+.005-.000$	REF	PUNCH PENETRATION	
											$\phi X$	MAX
10	20B 347	.174	.5625	.108	.075	.448	.314	.214	.104	.093		
10	20B 348	.174	.6250	.108	.075	.448	.314	.214	.104	.093		
5/16	40B 198	.333	1.0000	.187	.113	.698	.468	.392	.173	.163		
8	20B 385	.158	.5625	.092	.059	.384	.275	.199	.088	.077		

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
3. THESE PUNCHES ARE SUPPLIED WITHOUT PIN SLOTS AND MUST BE USED WITH PRESS FIT ADAPTORS.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT TOP NO PIN TRUSS HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97 DRAWING NUMBER:

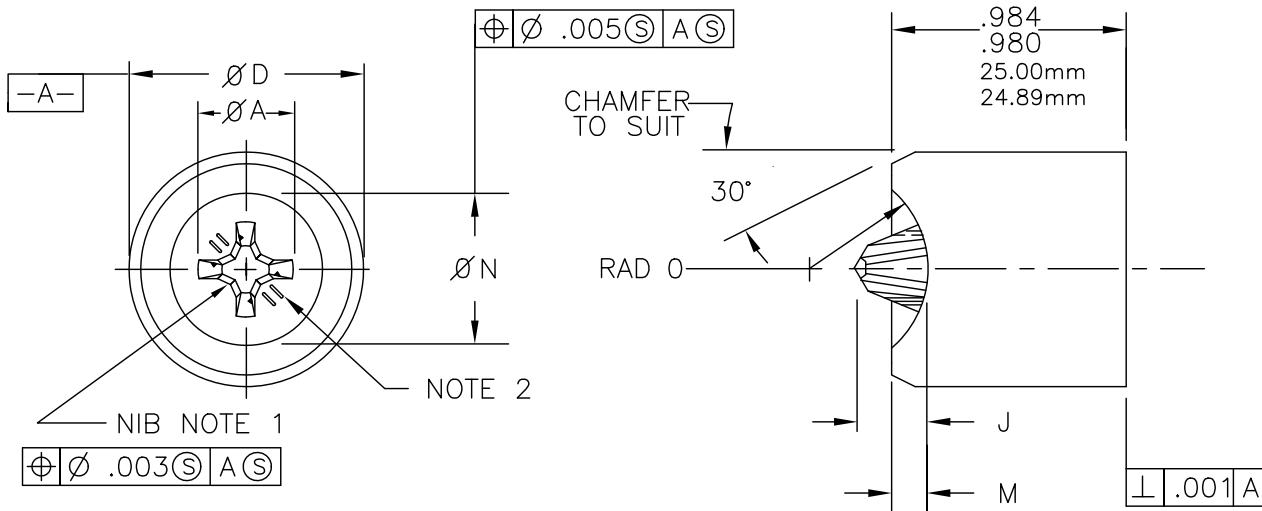
**P2P-6D**

CHECKED: L. DOUGAN DATE: 9-28-07

SHEET 1 OF 1

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PHONE: 774-396-6190 FAX: 508-966-2326

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HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NO.	+.006 -.000 ØA	+.0000 -.0008 ØD	+.006 -.000 J	+.002 -.000 M	+.005 -.000 ØN	+.005 -.000 Ø	PUNCH PENETRATION		SCREW RECESS PENETRATION	
								MAX	MIN	MAX	MIN
M4	20B-HMC	.162	.7087	.111	.087	.370	.235	.084	.074	.084	.069
		4.15mm 4.11mm	18.00mm 17.98mm	2.97mm 2.82mm	2.26mm 2.21mm	9.53mm 9.40mm	6.10mm 5.97mm	2.13mm	1.88mm	2.13mm	1.75mm

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION 1/ ECO# 133 2/ 08-31-98 10-29-98 UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
METRIC TRUSS HD. PUNCH SPECIAL**

DRAWN: G. LaMONICA DATE: 07-22-98

DRAWING NUMBER:

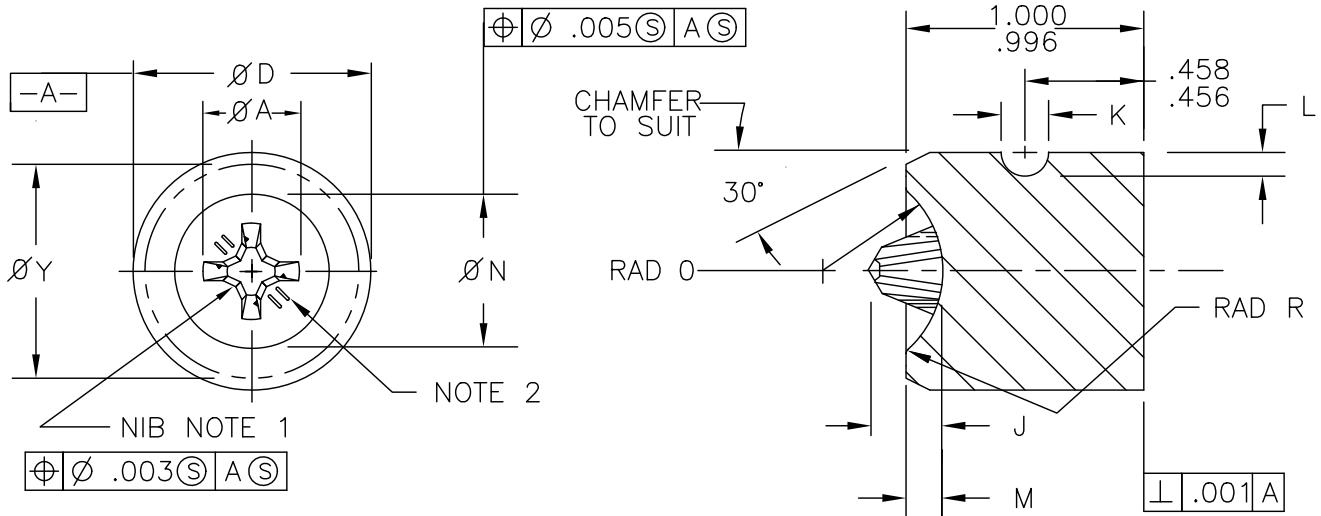
**P2P-6E**

SHEET 1 OF 1

CHECKED: G. LaMONICA DATE: 11-01-05

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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SCREW SIZE	PUNCH NO.	$\phi A$	$\phi D$	J	K	L	M	$\phi N$	O	R	$\phi Y$	PUNCH PENETRATION	
											MIN	MAX	MIN
2	10B 23	.097	.4375	.078	.126 .125	.062 .061	.042	.136	.076	.020	.250	.046	.035
3	10B 24	.105	.4375	.086	.126 .125	.062 .061	.048	.156	.087	.020	.250	.055	.045
4	10B 25	.114	.4375	.095	.126 .125	.062 .061	.054	.177	.100	.020	.312	.066	.056
5	20B 45	.139	.4375	.094	.126 .125	.062 .061	.050	.198	.123	.030	.344	.054	.042
6	20B 46	.145	.4375	.100	.126 .125	.062 .061	.057	.218	.133	.030	.344	.061	.049
7	20B 47	.149	.5625	.106	.213 .212	.106 .105	.072	.238	.134	.030	.406	.065	.053
8	20B 48	.159	.5625	.116	.213 .212	.106 .105	.077	.259	.147	.030	.438	.075	.064
10	20B 49	.175	.5625	.134	.213 .212	.106 .105	.090	.300	.170	.030	.469	.093	.082
12	30B 42	.231	.8750	.157	.213 .212	.106 .105	.095	.346	.201	.040	.531	.094	.082
14	30B 39	.240	.8750	.167	.213 .212	.106 .105	.114	.382	.217	.040	.625	.105	.093
1/4	30B 43	.243	.8750	.168	.213 .212	.106 .105	.115	.394	.226	.040	.625	.107	.096
16	30B 202	.260	1.0000	.188	.213 .212	.106 .105	.125	.424	.242	.040	.656	.125	.114
18	30B 203	.278	1.0000	.208	.213 .212	.106 .105	.138	.464	.264	.040	.688	.144	.133
5/16	30B 44	.290	1.0000	.221	.213 .212	.106 .105	.148	.494	.280	.040	.781	.156	.145
20	40B 241	.324	1.2500	.227	.213 .212	.106 .105	.150	.506	.288	.050	.750	.145	.134
24	40B 36	.346	1.2500	.248	.213 .212	.106 .105	.179	.593	.335	.050	.875	.170	.159
3/8	40B 36	.346	1.2500	.248	.213 .212	.106 .105	.179	.593	.335	.050	.906	.170	.159
7/16	40B 37	.364	1.2500	.263	.213 .212	.106 .105	.208	.691	.391	.050	1.031	.191	.180
1/2	40B 38	.382	1.2500	.277	.213 .212	.106 .105	.238	.790	.447	.050	1.188	.210	.199

NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT WASHER HEAD PUNCH**

DRAWN: R. CHERLIN

DATE: 5-5-97

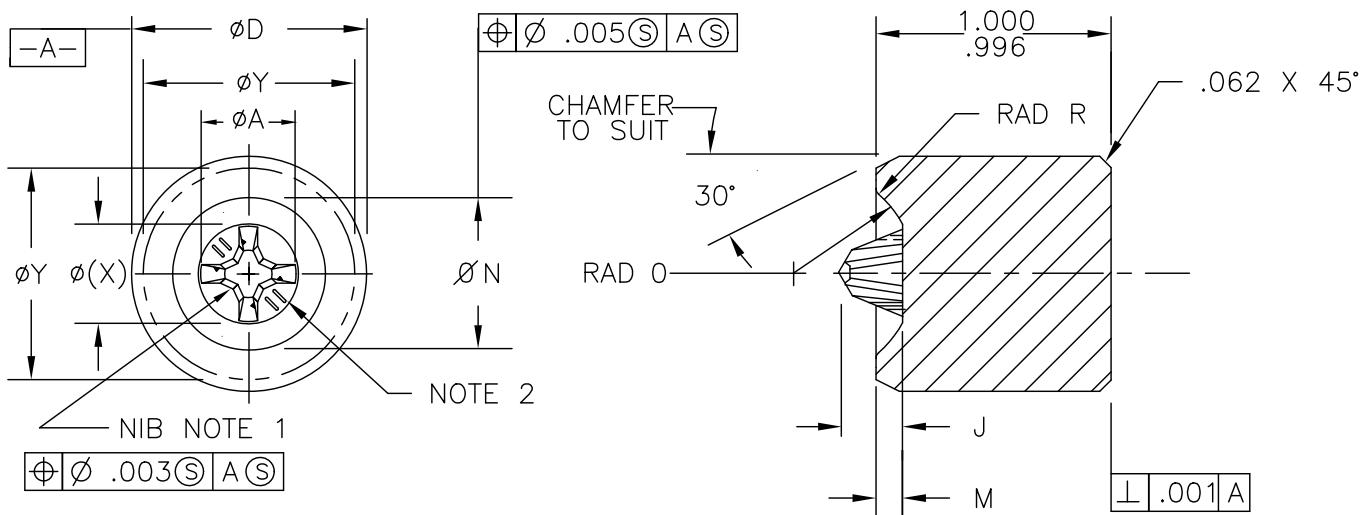
DRAWING NUMBER: P2P-7

CHECKED: L. DOUGAN

DATE: 9-28-07

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	+.002 -.000	+.005 -.000	+.005 -.000	±.002	ØX REF	ØY MIN	PUNCH PENETRATION	
											MAX	MIN
4	10B	.125	.4375	.088	.042	.216	.113	.020	.169	.297	.087	.079
6	20B 576	.164	.5625	.098	.057	.266	.134	.030	.224	.359	.093	.083
8	20B 708	.187	.8750	.121	.070	.316	.163	.030	.240	.422	.116	.106
8	20B 596	.187	.5625	.121	.070	.316	.163	.030	.240	.422	.116	.106
10	20B 592	.212	.8750	.122	.080	.366	.192	.030	.267	.500	.141	.131
10	20B 597	.212	.5625	.122	.080	.366	.192	.030	.267	.500	.141	.131
1/4	30B	.280	.8750	.130	.118	.484	.250	.040	.345	.641	.159	.149
5/16	40B	.365	1.0000	.165	.147	.602	.308	.050	.446	.797	.204	.194

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
3. THESE PUNCHES ARE SUPPLIED WITHOUT PIN SLOTS AND MUST BE USED WITH PRESS FIT ADAPTORS

REVISION | UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
FLAT TOP LARGE WASHER HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

DRAWING NUMBER:

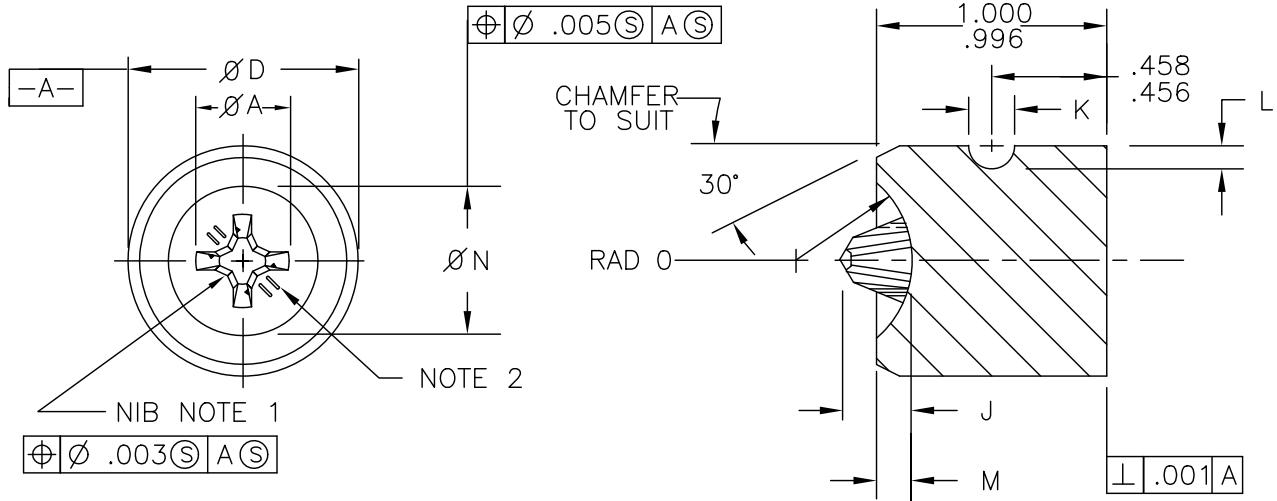
**P2P-7A**

SHEET 1 OF 1

CHECKED: L. DOUGAN DATE: 9-28-07

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SCREW SIZE	PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
		ØA	ØD	ØA							MAX	MIN
0	00B 24	.059	.4375	.038	.126 .125	.062 .061	.016	.141	.160	.036	.032	
1	00B 25	.066	.4375	.045	.126 .125	.062 .061	.019	.168	.194	.043	.039	
2	10B 63	.092	.4375	.060	.126 .125	.062 .061	.022	.196	.231	.051	.043	
3	10B 64	.102	.4375	.070	.126 .125	.062 .061	.025	.223	.258	.061	.053	
4	10B 62	.110	.4375	.078	.126 .125	.062 .061	.028	.250	.293	.070	.062	
5	20B 144	.140	.5625	.082	.213 .212	.106 .105	.034	.278	.298	.064	.054	
6	20B 133	.152	.5625	.095	.213 .212	.106 .105	.038	.312	.339	.077	.067	
8	20B 145	.178	.5625	.122	.213 .212	.106 .105	.042	.360	.404	.103	.093	
10	20B 143	.197	.5625	.142	.213 .212	.106 .105	.051	.416	.453	.122	.112	
12	30B 96	.259	.8750	.166	.213 .212	.106 .105	.057	.472	.521	.133	.123	
1/4	30B 97	.273	.8750	.182	.213 .212	.106 .105	.073	.531	.520	.147	.137	
5/16	40B 107	.342	1.0000	.218	.213 .212	.106 .105	.091	.663	.648	.174	.164	
3/8	40B 108	.392	1.0000	.268	.213 .212	.106 .105	.096	.790	.861	.226	.216	

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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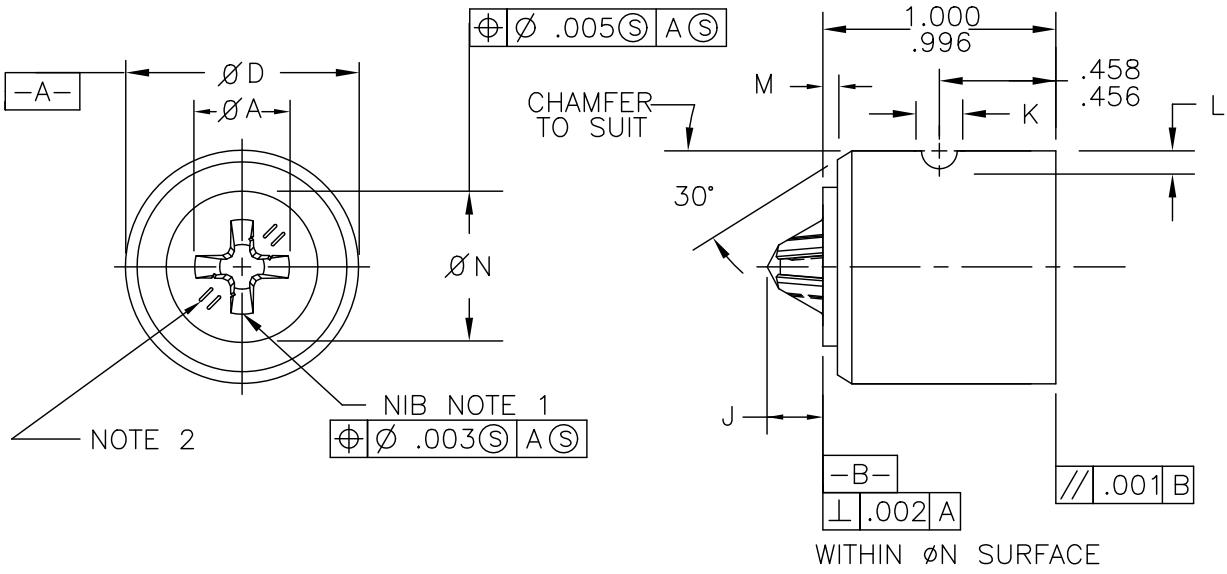
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
BINDING HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-8</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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## INCH SIZES

SCREW SIZE	PUNCH NO.	+.006 -.000	ØA	±.0005	J	+.006 -.000	K	+.002 -.000	+.005 -.000	PUNCH PENETRATION NOTE 3	
										ØN	MAX
0						.126	.062				
1	00B 18	.070	.4375	.047	.126	.062	.006	.100	.056	.050	
2	10B 127	.084	.4375	.047	.126	.062	.006	.100	.054	.044	
3	10B 128	.090	.4375	.053	.126	.062	.006	.153	.060	.050	
4	10B 41	.095	.4375	.058	.126	.062	.008	.153	.067	.057	
5	10B 42	.104	.4375	.067	.126	.062	.008	.153	.076	.066	
6	20B 100	.146	.4375	.080	.126	.062	.012	.210	.089	.077	
7	20B 100	.146	.4375	.080	.126	.062	.012	.210	.089	.077	
8	20B 102	.166	.5625	.100	.213	.106	.018	.210	.115	.103	
10	20B 103	.176	.5625	.110	.213	.106	.020	.270	.127	.115	
12	30B 59	.245	.8750	.135	.213	.106	.026	.270	.152	.140	
14	30B 71	.275	.8750	.165	.213	.106	.030	.320	.186	.174	
1/4	30B 71	.275	.8750	.165	.213	.106	.030	.320	.186	.174	
1/4	30B 87	.275	.8750	.165	.213	.106	.030	.381	.186	.174	
20	40B 242	.322	1.0000	.176	.213	.106	.036	.432	.200	.188	
5/16	40B 242	.322	1.0000	.176	.213	.106	.036	.432	.200	.188	
24	40B 243	.385	1.0000	.239	.213	.106	.040	.491	.267	.255	
3/8	40B 243	.385	1.0000	.239	.213	.106	.040	.491	.267	.255	

\* 1/4 SCREW SIZE WITH 7/16 HEX

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
3. PUNCH PENETRATION VALUES INCLUDE MAX AND MIN "M" DIMENSIONS.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
INDENTED HEXAGON HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 05-05-97 DRAWING NUMBER

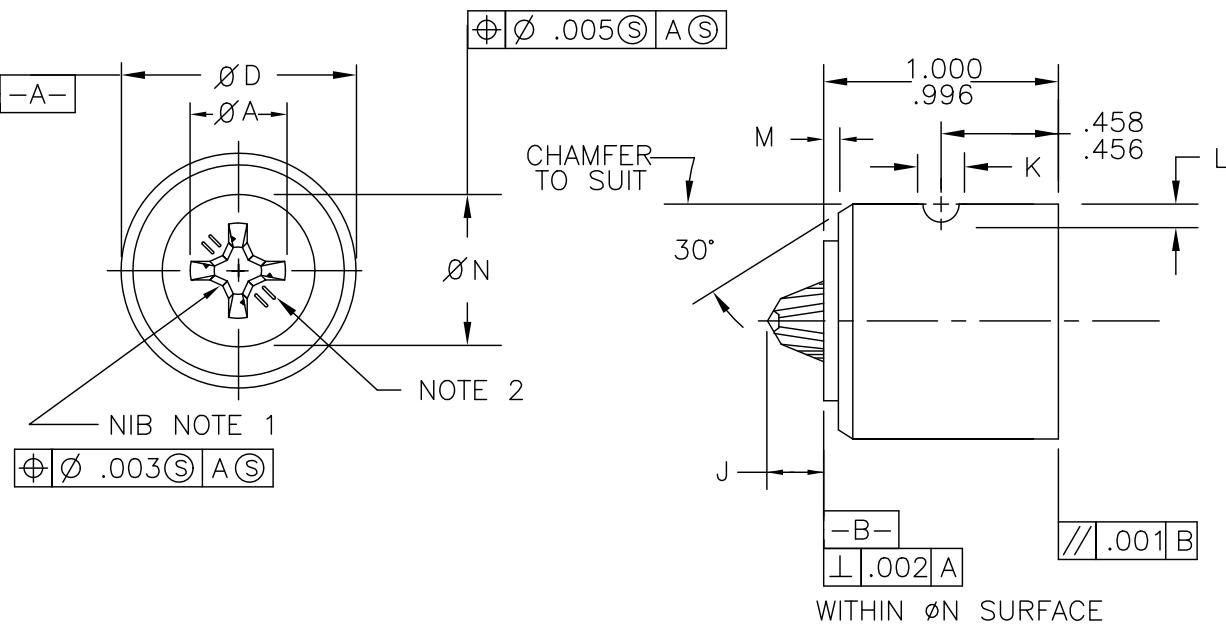
CHECKED: G. LAMONICA DATE: 10-27-05

**P2P-12A**

SHEET 1 OF 1

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PHONE: 774-396-6190 FAX: 508-966-2326

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## METRIC SIZES

SCREW SIZE	HEX	PUNCH NO.	+.006 -.000	$\phi A$	$\phi D$	J	K	L	M	+.002 -.000	+.005 -.000	PUNCH PENETRATION NOTE 3	
												$\phi N$	MAX
M2	M3.2	00B 18	.070	.4375	.047	.126	.125	.062	.006	.100	.056	.050	
M2.2	M3.2	00B 18	.070	.4375	.047	.126	.125	.062	.006	.100	.056	.050	
M2.5	M4	10B 206	.099	.4375	.062	.126	.125	.062	.006	.126	.069	.059	
M2.9	M5	10B 207	.109	.4375	.072	.126	.125	.062	.008	.162	.081	.071	
M3	M5	10B 207	.109	.4375	.072	.126	.125	.062	.008	.162	.081	.071	
M3.5	M5.5	20B 709	.146	.4375	.080	.126	.125	.062	.012	.179	.089	.077	
M4	M7	20B 710	.156	.4375	.090	.126	.125	.062	.018	.223	.105	.093	
M4.2	M7	20B 710	.156	.4375	.090	.126	.125	.062	.018	.223	.105	.093	
M4.8	M8	20B 711	.181	.5625	.115	.213	.212	.106	.020	.270	.132	.120	
M5	M8	20B 711	.181	.5625	.115	.213	.212	.106	.020	.270	.132	.120	
M5.5	M8	30B 319	.225	.8750	.115	.213	.212	.106	.026	.270	.132	.120	
M6	M10	30B 320	.245	.8750	.135	.213	.212	.106	.030	.338	.156	.144	
M6.3	M10	30B 320	.245	.8750	.135	.213	.212	.106	.030	.338	.156	.144	
M8	M13	40B 335	.326	1.0000	.180	.213	.212	.106	.036	.444	.204	.192	
M9.5	M16	40B 336	.385	1.2500	.239	.213	.212	.106	.042	.559	.269	.257	
M10	M16	40B 336	.385	1.2500	.239	.213	.212	.106	.042	.559	.269	.257	

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
3. PUNCH PENETRATION VALUES INCLUDE MAX AND MIN "M" DIMENSIONS.

REVISION 1/ UPDATE 02-09-00 2/ UPDATE 07-30-13

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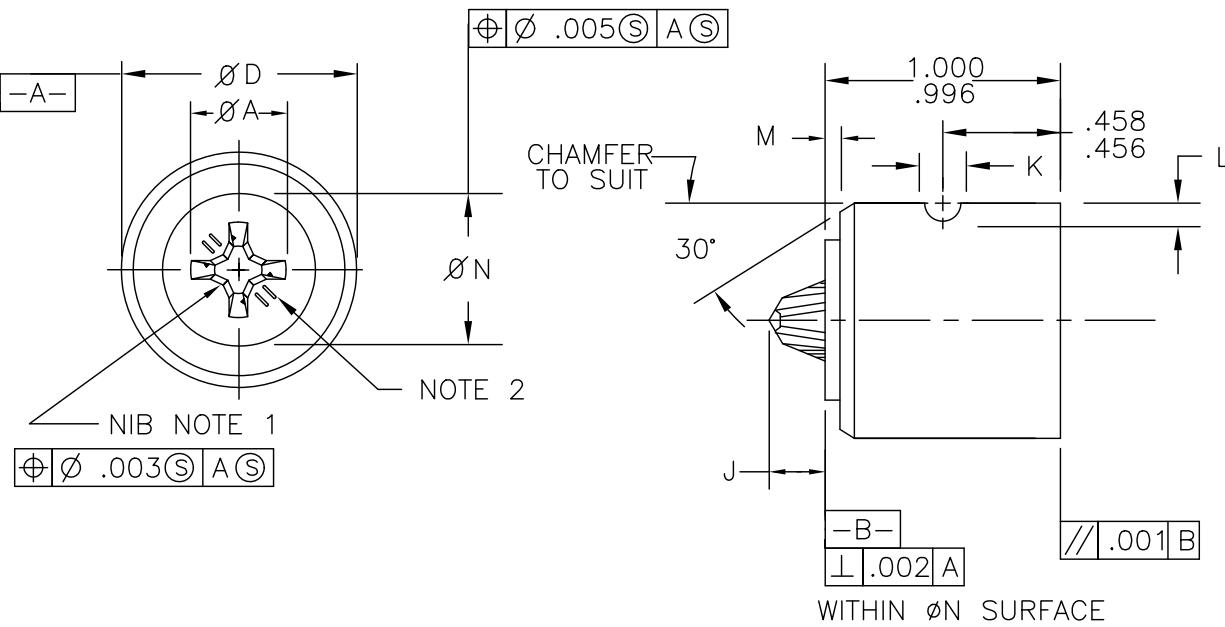
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
INDENTED HEXAGON HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-12B</b>
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CHECKED: L. DOUGAN	DATE: 9-28-07	SHEET 1 OF 1
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PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

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## METRIC SIZES DIN 933

SCREW SIZE	HEX	PUNCH NO.	+.006 -.000	$\pm .0005$	+.006 -.000	J	K	L	+.002 -.000	+.005 -.000	PUNCH PENETRATION NOTE 3	
											$\phi N$	MAX
M1.6	M3.2	00B 33	.060	.4375	.037	.126 .125	.062 .061	.006	.100	.044	.034	
M2	M4	00B 34	.068	.4375	.045	.126 .125	.062 .061	.006	.126	.052	.042	
M2.5	M5	10B 208	.090	.4375	.053	.126 .125	.062 .061	.006	.162	.060	.050	
M3	M5.5	10B 209	.099	.4375	.062	.126 .125	.062 .061	.008	.179	.071	.071	
M3.5	M6	20B 712	.138	.4375	.072	.126 .125	.062 .061	.012	.197	.081	.069	
M4	M7	20B 713	.151	.5625	.085	.213 .212	.106 .105	.018	.223	.100	.088	
M5	M8	20B 714	.174	.5625	.108	.213 .212	.106 .105	.020	.270	.125	.113	
M6	M10	30B 321	.235	.8750	.125	.213 .212	.106 .105	.030	.338	.146	.134	
M7	M11	30B 322	.260	.8750	.150	.213 .212	.106 .105	.030	.375	.171	.159	
M8	M13	40B 335	.309	1.0000	.162	.213 .212	.106 .105	.036	.444	.186	.174	
M10	M17	40B 338	.346	1.0000	.200	.213 .212	.106 .105	.042	.594	.230	.218	

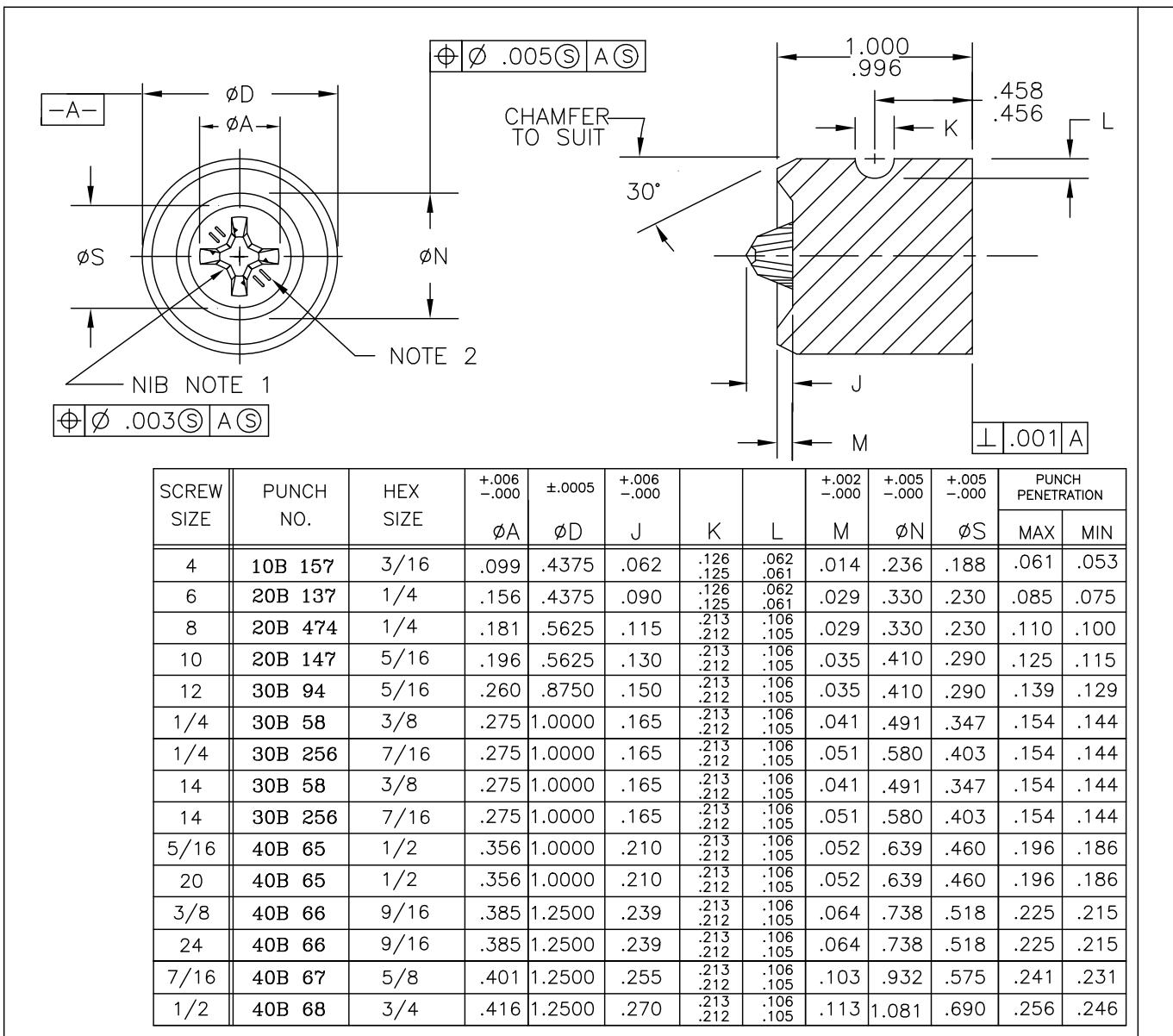
NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
- PUNCH PENETRATION VALUES INCLUDE MAX AND MIN "M" DIMENSIONS.

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DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-12C</b>					
CHECKED: L. DOUGAN	DATE: 9-28-07						
<p>SHEET 1 OF 1</p> <p>PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326</p>							

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### SPECIALS

#191827	GM	30B 230	7/16	.290	1.0000	.180	.213	.106	.051	.580	.403	.169	.159
	14	30B 225	—	.275	1.0000	.165	.213	.106	.050	.615	.443	.154	.144
	1/4	30B 225	—	.275	1.0000	.165	.213	.106	.050	.615	.443	.154	.144
	5/16	40B 205	9/16	.356	1.0000	.210	.213	.106	.046	.687	.511	.196	.186
	3/8	40B 196	—	.356	1.2500	.210	.213	.106	.086	.816	.518	.196	.186

### NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION 1/ ECO# 135 2/ UPDATE 07-30-13  
10-19-00

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
TRIMMED HEXAGON HEAD PUNCH**

DRAWN:  
R. CHERLIN

DATE:  
5-5-97

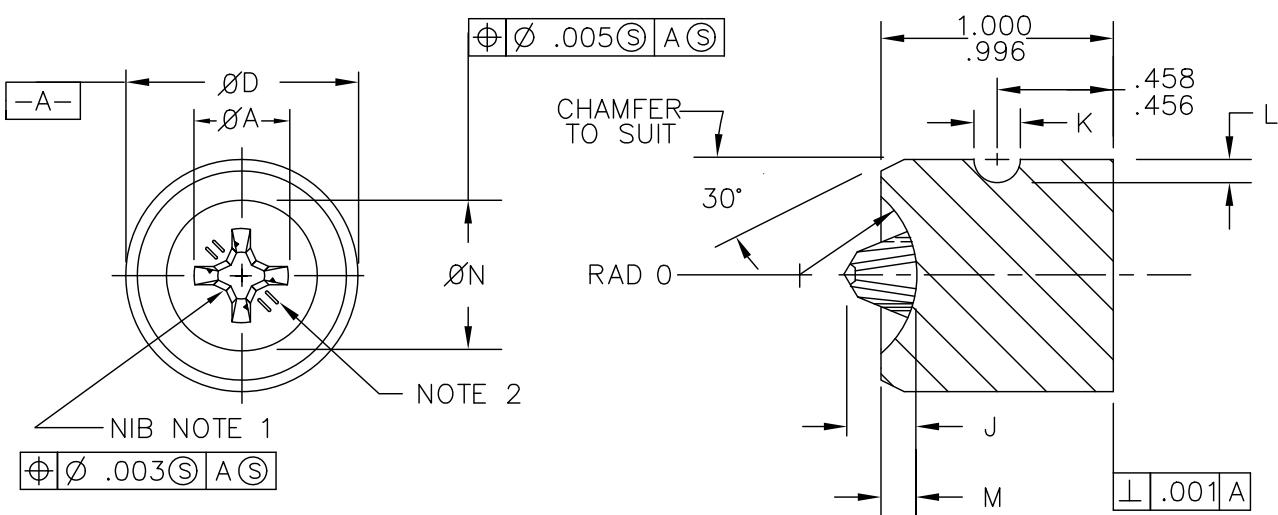
DRAWING NUMBER:

**P2P-13**

SHEET 1 OF 1

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### MACHINE SCREWS & ALL TAPPING SCREWS EXCEPT TYPE "A"

SCREW SIZE	PUNCH NO.	$\phi A$	$+.006$ $-.000$	$\pm .0005$	$+.006$ $-.000$	K	L	$+.002$ $-.000$	$+.005$ $-.000$	$+.005$ $-.000$	PUNCH PENETRATION	
			$\phi D$	J	M			$\phi N$	O	MAX	MAX	MIN
0	00B 1	.067	.4375	.047	.126 .125	.062 .061	.011	.115	.156	.044	.040	
1	00B 3	.071	.4375	.051	.126 .125	.062 .061	.013	.139	.190	.048	.044	
2	10B 66	.083	.4375	.050	.126 .125	.062 .061	.016	.168	.224	.042	.034	
3	10B 86	.092	.4375	.060	.126 .125	.062 .061	.018	.188	.258	.052	.044	
4	10B 119	.102	.4375	.070	.126 .125	.062 .061	.020	.209	.291	.062	.054	
6	20B 194	.143	.4375	.084	.126 .125	.062 .061	.023	.251	.359	.068	.058	
8	20B 392	.152	.5625	.093	.213 .212	.106 .105	.026	.293	.426	.078	.068	
10	20B 197	.180	.5625	.122	.213 .212	.106 .105	.031	.347	.494	.106	.096	
1/4	30B 109	.234	.8750	.135	.213 .212	.106 .105	.050	.500	.650	.110	.100	
5/16	30B 246	.285	.8750	.189	.213 .212	.106 .105	.052	.560	.812	.162	.152	
3/8	40B 273	.320	1.0000	.187	.213 .212	.106 .105	.058	.665	.975	.156	.146	

#### NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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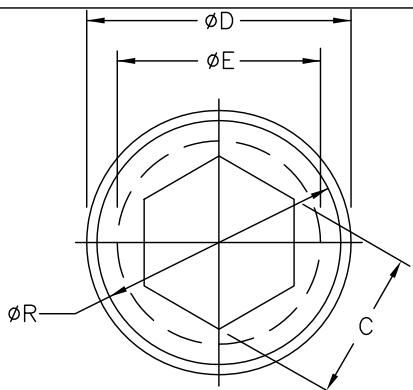
TITLE: **PHILLIPS II® ANTI-CAM-OUT  
E.K. MINIATURE PAN HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 05-05-97 DRAWING NUMBER

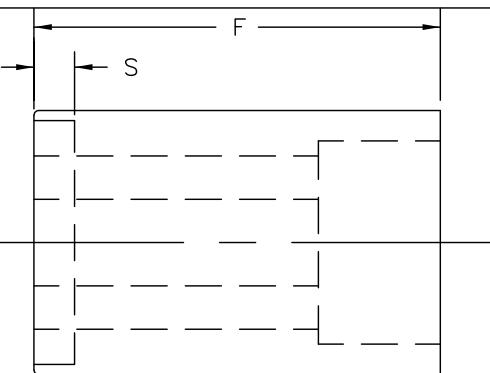
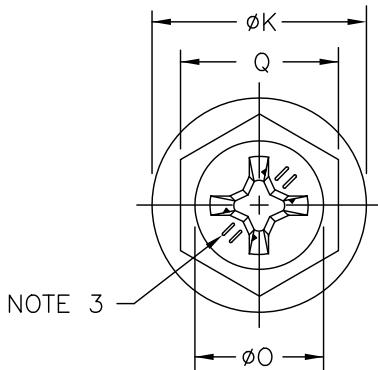
CHECKED: G. LaMONICA DATE: 10-27-05 **P2P-18**

SHEET 1 OF 1  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

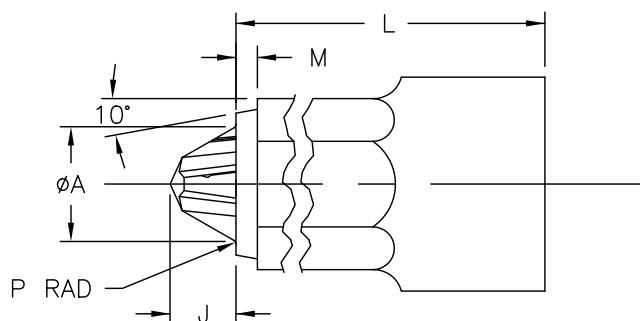
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**INSERT**



**PIN**



**INCH SIZES**

SCREW SIZE	HEX SIZE	PUNCH NO.	$\pm .006$ $-.000$	$\pm .001$	$\pm .0005$	$\pm .005$ $-.000$	$\pm .003$ $-.000$	$\pm .006$ $-.000$	$\pm .001$	$\pm .003$ $-.000$	$\pm .005$ $-.000$	$\pm .002$ $-.000$	$\pm .000$ $-.001$	$\pm .003$ $-.000$	<b>PUNCH PENETRATION NOTE 1</b>					
			$\phi A$	C	$\phi D$	$\phi E$	F	J	$\phi K$	M	$\phi O$	RAD P	Q	$\phi R$	S	MAX	MIN			
3 (TENTATIVE)	1/8	R10B127	.084	.121					.047			.012	.095		.020	.118	.170	.010	.061	.050
4	3/16	R10B41	.095	.182					.058				.156			.179	.234	.011	.077	.066
6	1/4	R20B100	.146						.080			.017				.315	.015	.095	.082	
8	1/4	R20B102	.166						.100				.208			.242	.335	.016	.115	.102
10	5/16	R20B103	.176	.306					.110			.027	.258			.302	.400	.016	.135	.122
1/4	3/8	R30B71	.275	.368	.990	.510	1.000	.165	.500			.034	.314	.030	.364	.500	.027	.191	.178	
5/16	1/2	R40B242	.322	.492	1.240	.635	1.000	.176	.625	2.62	.055	.430	.035	.487	.650	.030	.220	.207		

**METRIC SIZES**

M2 (TENTATIVE)	3.2	R10B204	.084	.120					.047			.012	.095		.020	.117	.160	.008	.061	.050
M2.5 (TENTATIVE)	-	R10B	-	-					-			-	-		.020	-	-	-	-	-
M3 (TENTATIVE)	5	R10B205	.095	.191					.058			.017	.163			.188	.236	.012	.077	.066
M3.5	6	R20B707	.146	.230					.080				.196			.227	.296	.015	.095	.082
M4	7	R20B650	.166	.268					.100				.227			.265	.349	.018	.115	.102
M5	8	R20B651	.176	.307	.740	.447			.110				.27			.303	.400	.018	.135	.122
M6	10	R30B281	.250	.386	.990	.510			.140				.327			.382	.500	.029	.166	.153
M8	13	R40B334	.322	.504	1.240	.635			.176			.055	.442	.035	.499	.650	.030	.220	.207	

NOTES: 1. PUNCH PENETRATION VALUES INCLUDE MAX. AND MIN. 'M' DIMENSIONS.  
2. REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.  
3. HEAD MARKINGS SHALL BE PER PSC-790 UNLESS OTHERWISE SPECIFIED.

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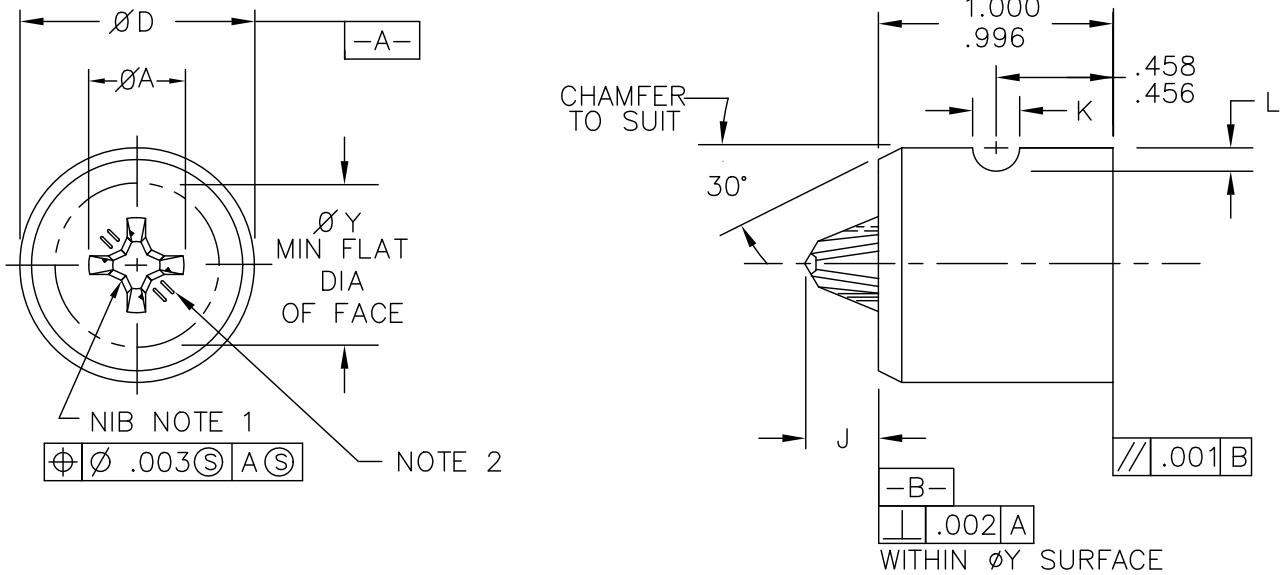
**TITLE: PHILLIPS II® ANTI-CAM-OUT  
INDENTED HEX WASHER HD PUNCH**

DRAWN: G. LaMONICA	DATE: 02-12-96	DRAWING NUMBER <b>P2P-19</b>
CHECKED: G. LaMONICA	DATE: 10-24-05	

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

REVISION 1/  
06-22-98 ECO# 132 UPDATE 7-30-13

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SIZE (MM)	IFI 502 and 513 - 1982	DIN965	DIN7982	DIN7987	DIN7997
1.6	-	00B 4	-	-	-
2.2+2	00B 28	10B 80	10B 183	-	-
2.5	10B 54	10B 2	-	10B 183	10B 2
2.9+3	10B 3	10B 54	10B 184	10B 203	10B 54
3.5	20B 705	20B 1	20B 702	20B 704	20B 1
3.9	-	-	20B 672	-	-
4.2+4	20B 6	20B 2	20B 6	20B 135	20B 2
4.5	-	-	-	-	20B 6
4.8+5	20B 486	20B 6	20B 703	20B 3	20B 3
5.5	30B 302	-	30B 2	-	30B 292
6.3+6	30B 2	30B 316	30B 3	30B 291	30B 316
7	-	-	-	-	30B 2
8	40B 282	40B 106	-	40B 282	40B 106
9.5+10	40B 2	40B 332	-	40B 2	-

PUNCH NO.	ØA	ØD	J	K	L	MIN ØY	PUNCH PENETRATION	
							MAX	MIN
00B 4	.060	.4375	.037	.125	.062	.119	.038	.034
00B 28	.085	.4375	.062	.125	.062	.199	.063	.059
10B 80	.087	.4375	.050	.125	.062	.172	.049	.041
10B 2	.099	.4375	.062	.125	.062	.199	.061	.053
10B 54	.109	.4375	.072	.125	.062	.312	.071	.063
10B 183	.090	.4375	.053	.125	.062	.199	.052	.044
10B 184	.105	.4375	.068	.125	.062	.312	.067	.059
10B 203	.102	.4375	.065	.125	.062	.312	.064	.056
10B 3	.120	.4375	.083	.125	.062	.252	.082	.074
20B 1	.146	.4375	.080	.125	.062	.305	.075	.065
20B 2	.166	.4375	.100	.125	.062	.332	.095	.085
20B 6	.174	.5625	.108	.212	.106	.385	.103	.093
20B 702	.154	.4375	.088	.125	.062	.279	.083	.073
20B 672	.171	.4375	.105	.125	.062	.332	.100	.090
20B 704	.149	.4375	.083	.125	.062	.305	.078	.068
20B 705	.158	.4375	.092	.125	.062	.332	.087	.077

NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT METRIC FLAT COUNTERSUNK HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-29</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	
SHEET 1 OF 2 PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	+.001 -.000	+.000 -.001	MIN	PUNCH PENETRATION	
							ØA	ØD
20B 703	.193	.5625	.127	.212	.106	.385	.122	.112
20B 135	.161	.5625	.095	.212	.106	.375	.090	.080
20B 3	.181	.5625	.115	.212	.106	.385	.110	.100
20B 486	.196	.8750	.130	.212	.106	.409	.125	.115
30B 316	.250	.8750	.140	.212	.106	.455	.129	.119
30B 2	.260	.8750	.150	.212	.106	.544	.139	.129
30B 3	.275	.8750	.165	.212	.106	.507	.154	.144
30B 291	.255	.8750	.145	.212	.106	.544	.134	.124
30B 292	.232	.8750	.122	.212	.106	.544	.111	.101
30B 302	.247	.8750	.137	.212	.106	.507	.126	.116
40B 106	.333	1.0000	.187	.212	.106	.844	.173	.163
40B 282	.341	1.0000	.195	.212	.106	.750	.181	.171
40B 2	.385	1.2500	.239	.212	.106	.812	.225	.215
40B 332	.370	1.2500	.224	.212	.106	.709	.210	.200

REVISION | UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
METRIC FLAT COUNTERSUNK HEAD PUNCH**

DRAWN: R. CHERLIN DATE: 5-5-97

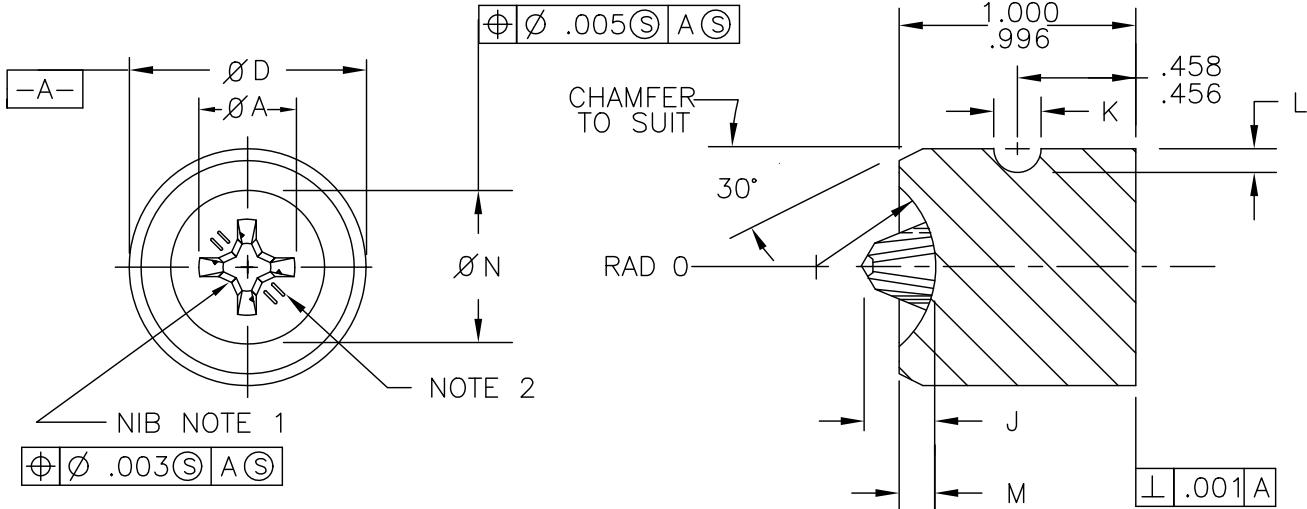
DRAWING NUMBER:

**P2P-29**

SHEET 2 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SIZE (MM)	IFI 502 and 513 - 1982	DIN966	DIN7983	DIN7988	DIN7995
1.6	-	00B 32	-	-	-
2.2+2	00B 27	10B 192	10B 177	-	10B 192
2.5	10B 190	10B 193	-	10B 175	10B 193
2.9+3	10B 180	10B 179	10B 178	10B 176	10B 179
3.5	20B 675	20B 670	20B 666	20B 665	20B 670
3.9	-	-	20B 667	-	-
4.2+4	20B 676	20B 673	20B 668	20B 536	20B 673
4.5	-	-	-	-	20B 10
4.8+5	20B 677	20B 671	20B 669	20B 537	20B 671
5.5	30B 300	-	30B 294	-	30B 297
6.3+6	30B 301	30B 296	30B 295	30B 293	30B 298
7	-	-	-	-	30B 299
8	40B 314L	40B 311L	-	40B 309L	40B 311L
9.5+10	40B 315L	40B 312L	-	40B 310L	-

PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	+.001 -.000	+.000 -.001	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
									ØA	ØD
00B 32	.069	.4375	.051	.125	.062	.014	.113	.118	.045	.041
00B 27	.093	.4375	.075	.125	.062	.019	.168	.197	.070	.066
10B 192	.098	.4375	.069	.125	.062	.018	.145	.157	.055	.047
10B 193	.104	.4375	.075	.125	.062	.022	.180	.197	.063	.055
10B 179	.121	.4375	.092	.125	.062	.026	.215	.236	.079	.071
10B 177	.105	.4375	.078	.125	.062	.024	.164	.150	.062	.054
10B 178	.130	.4375	.106	.125	.062	.034	.212	.181	.087	.079
10B 175	.101	.4375	.068	.125	.062	.015	.192	.315	.061	.053
10B 176	.116	.4375	.084	.125	.062	.017	.231	.394	.077	.069
10B 190	.118	.4375	.088	.125	.062	.023	.212	.260	.077	.069
10B 180	.137	.4375	.109	.125	.062	.027	.243	.291	.096	.088

NOTES:

- REFER TO PUNCH DRAWING PSC-780A FOR PUNCH POINT DIMENSIONS NOT SHOWN.
- HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT METRIC OVAL RAISED COUNTERSUNK HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-30</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	

SHEET 1 OF 2  
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
PHONE: 774-396-6190 FAX: 508-966-2326

PHILLIPS II®, PHILLIPS®, POZIDRIV®, ACR®, POZISQUARE®, PHILLIPS SQUARE-DRIV®, TORQ-SET®, TRI-WING®, MORTORQ®, HEXSTIX®, POZILOCK®, are registered trademarks of the Phillips Screw Company

PUNCH NO.	+.006 -.000	±.0005	+.006 -.000	+.001 -.000	+.000 -.001	+.002 -.000	+.005 -.000	+.005 -.000	PUNCH PENETRATION	
									ØA	ØD
20B 670	.164	.4375	.111	.125	.062	.030	.251	.276	.088	.077
20B 666	.173	.4375	.126	.125	.062	.045	.263	.213	.094	.083
20B 665	.162	.4375	.105	.125	.062	.024	.271	.394	.088	.078
20B 675	.170	.4375	.113	.125	.062	.031	.318	.429	.096	.086
20B 673	.176	.5625	.123	.212	.106	.035	.290	.315	.100	.090
20B 671	.204	.5625	.152	.212	.106	.043	.357	.394	.129	.118
20B 667	.178	.5625	.130	.212	.106	.050	.290	.236	.100	.089
20B 668	.186	.5625	.137	.212	.106	.053	.314	.260	.108	.097
20B 669	.202	.5625	.153	.212	.106	.058	.369	.323	.126	.115
20B 536	.178	.5625	.121	.212	.106	.026	.310	.472	.104	.094
20B 537	.206	.5625	.149	.212	.106	.033	.389	.591	.132	.122
20B 10	.197	.5625	.145	.212	.106	.040	.326	.352	.121	.110
20B 676	.192	.5625	.136	.212	.106	.038	.365	.457	.117	.107
20B 677	.220	.5625	.167	.212	.106	.046	.404	.469	.145	.135
30B 296	.266	.8750	.175	.212	.106	.051	.428	.472	.139	.128
30B 294	.268	.8750	.183	.212	.106	.065	.420	.370	.139	.128
30B 295	.284	.8750	.198	.212	.106	.073	.483	.437	.156	.145
30B 293	.281	.8750	.185	.212	.106	.040	.467	.709	.156	.146
30B 297	.278	.8750	.191	.212	.106	.048	.397	.433	.150	.139
30B 298	.292	.8750	.205	.212	.106	.051	.428	.472	.164	.153
30B 300	.269	.8750	.177	.212	.106	.050	.448	.528	.143	.133
30B 301	.285	.8750	.193	.212	.106	.054	.491	.587	.159	.149
30B 299	.325	1.0000	.240	.212	.106	.057	.487	.551	.198	.187
40B 311L	.351	1.0000	.230	.212	.106	.067	.566	.630	.184	.174
40B 309L	.372	1.0000	.243	.212	.106	.051	.625	.984	.207	.197
40B 314L	.384	1.0000	.262	.212	.106	.077	.676	.776	.218	.208
40B 312L	.398	1.2500	.277	.212	.106	.083	.704	.787	.231	.221
40B 310L	.431	1.2500	.305	.212	.106	.067	.782	1.181	.267	.257
40B 315L	.436	1.2500	.317	.212	.106	.089	.782	.902	.270	.260

REVISION UPDATE 7-30-13

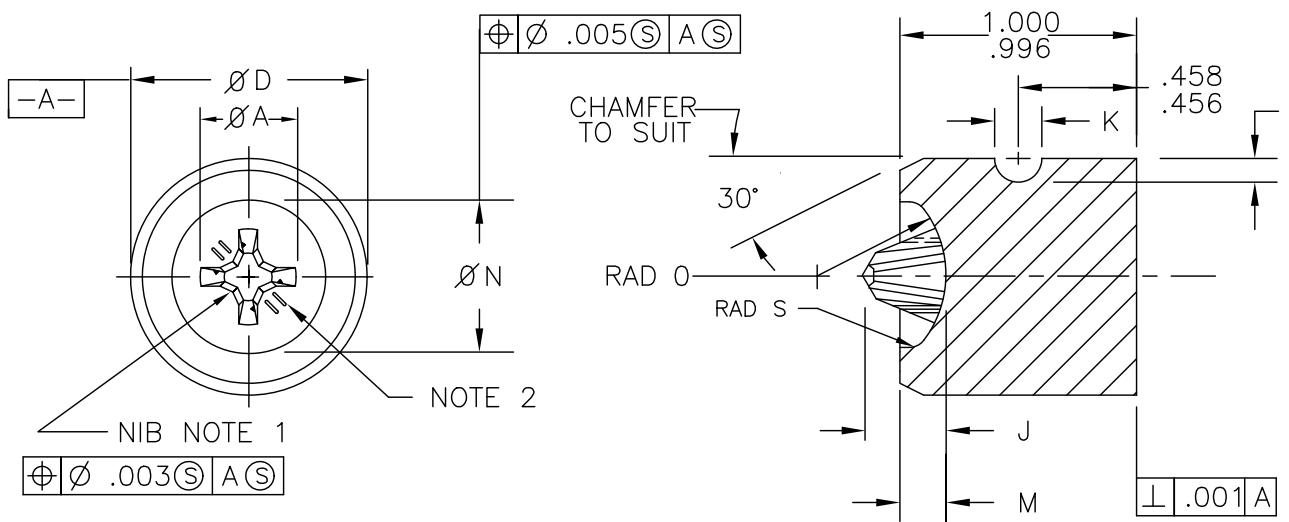
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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
METRIC OVAL RAISED COUNTERSUNK HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-30</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	
SHEET 2 OF 2		
PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY



SIZE (MM)	IFI 502 & 513 - 1982	DIN7981	DIN7985	DIN7996
1.6	-	-	00B 31	-
2.2+2	00B 29	10B 187	10B 200	-
2.5	10B 185	-	10B 201	10B 198
2.9+3	10B 186	10B 197	10B 202	10B 199
3.5	20B 680	20B 21	20B 702	20B 706
3.9	-	20B 22	-	-
4.2+4	20B 681	20B 23	20B 703	20B 700
4.5	-	-	-	20B 701
4.8+5	20B 682	20B 25	20B 704	20B 699
5.5	30B 315	30B 21	-	30B 317
6.3+6	30B 314	30B 22	30B 313	30B 318
7	-	-	-	30B 185
8	40B 316L	-	40B 328L	40B 9
9.5+10	40B 317L	-	40B 333L	-
12	40B 318L	-	-	-

PUNCH NO.	+.006 ØA	-.000 ØD	+.006 J	+.001 K	+.000 L	+.002 M	+.005 ØN	+.005 ØO	±.005 S	PUNCH PENETRATION
00B 31	.067	.4375	.048	.125	.062	.032 NOTE 3	.121	.118	.025	.043 .039
00B 29	.073	.4375	.055	.125	.062	.037 NOTE 3	.152	.126	.030	.049 .045
10B 187	.095	.4375	.068	.125	.062	.041 NOTE 3	.160	.134	.035	.052 .044
10B 197	.114	.4375	.087	.125	.062	.051 NOTE 3	.215	.173	.035	.071 .063
10B 200	.098	.4375	.069	.125	.062	.039 NOTE 3	.152	.157	.030	.055 .047
10B 201	.104	.4375	.075	.125	.062	.049 NOTE 3	.192	.197	.040	.063 .055
10B 202	.121	.4375	.092	.125	.062	.059 NOTE 3	.231	.236	.045	.079 .071
10B 198	.087	.4375	.056	.125	.062	.046 NOTE 3	.222	.157	-	.045 .037
10B 199	.105	.4375	.076	.125	.062	.052 NOTE 3	.261	.189	-	.063 .055
10B 185	.104	.4375	.076	.125	.062	.049 NOTE 3	.192	.157	.040	.061 .053
10B 186	.113	.4375	.085	.125	.062	.056 NOTE 3	.215	.197	.050	.071 .063

NOTES:

1. REFER TO PUNCH DRAWING PSC-780A FORM PUNCH POINT DIMENSIONAS NOT SHOWN.
2. HEAD MARKINGS PER PSC-790, UNLESS OTHERWISE SPECIFIED.
3. HEAD CROWN AND PART OF SIDE HEIGHT IS CONTAINED IN PUNCH.

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT METRIC PAN & RAISED CHEESE HEAD PUNCH**

DRAWN: R. CHERLIN	DATE: 5-5-97	DRAWING NUMBER: <b>P2P-31</b>
CHECKED: L. DOUGAN	DATE: 9-28-07	
SHEET 1 OF 2 PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A. PHONE: 774-396-6190 FAX: 508-966-2326		

PHILLIPS II® PHILLIPS® POZIDRIV® ACR® POZISQUARE® PHILLIPS SQUARE-DRIV® TORQ-SET® TRI-WING® MORTORQ®  
HEXSTIX® POZILOCK® ARE REGISTERED TRADEMARKS OF THE PHILLIPS SCREW COMPANY

PUNCH NO.	+.006 -.000 ØA	±.0005 ØD	+.006 -.000 J	+.001 -.000 K	+.000 -.001 L	+.002 -.000 M	+.005 -.000 ØN	+.005 -.000 O	+.005 -.000 S	PUNCH PENETRATION	
										MAX	MIN
20B 21	.158	.4375	.108	.125	.062	.055	.280	.207	—	.080	.069
20B 702	.164	.4375	.111	.125	.062	.040	.286	.276	—	.088	.077
20B 706	.146	.4375	.092	.125	.062	.057	.296	.220	—	.068	.057
20B 680	.152	.4375	.099	.125	.062	.052	.296	.236	—	.075	.064
20B 22	.167	.5625	.117	.212	.106	.064	.317	.228	—	.089	.078
20B 23	.174	.5625	.124	.212	.106	.072	.346	.244	—	.096	.085
20B 25	.191	.5625	.142	.212	.106	.087	.409	.284	—	.114	.103
20B 703	.176	.5625	.123	.212	.106	.049	.336	.315	—	.100	.090
20B 704	.204	.5625	.152	.212	.106	.067	.440	.394	—	.129	.118
20B 700	.160	.5625	.107	.212	.106	.074	.357	.252	—	.083	.072
20B 701	.171	.5625	.118	.212	.106	.084	.402	.283	—	.094	.084
20B 699	.185	.5625	.133	.212	.106	.076	.411	.315	—	.109	.098
20B 681	.171	.5625	.120	.212	.106	.064	.339	.256	—	.094	.083
20B 682	.190	.5625	.139	.212	.106	.076	.411	.315	—	.114	.103
30B 21	.252	.8750	.168	.212	.106	.096	.459	.323	—	.122	.111
30B 22	.273	.8750	.189	.212	.106	.105	.519	.374	—	.144	.133
30B 313	.266	.8750	.175	.212	.106	.072	.502	.472	—	.139	.128
30B 317	.244	.8750	.156	.212	.106	.100	.487	.346	—	.115	.104
30B 318	.260	.8750	.173	.212	.106	.107	.528	.378	—	.131	.120
30B 185	.286	.8750	.200	.212	.106	.122	.610	.441	—	.158	.147
30B 315	.251	.8750	.164	.212	.106	.086	.463	.354	—	.122	.111
30B 314	.271	.8750	.185	.212	.106	.090	.502	.394	—	.142	.131
40B 328L	.351	1.2500	.230	.212	.106	.097	.672	.630	—	.184	.174
40B 333L	.398	1.2500	.277	.212	.106	.120	.837	.787	—	.231	.221
40B 9	.342	1.2500	.224	.212	.106	.118	.665	.527	—	.173	.163
40B 316L	.350	1.2500	.235	.212	.106	.125	.670	.512	—	.181	.171
40B 317L	.396	1.2500	.282	.212	.106	.158	.834	.630	—	.228	.218
40B 318L	.429	1.5000	.307	.212	.106	.144	1.002	.945	—	.263	.253

REVISION UPDATE 7-30-13

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TITLE: **PHILLIPS II® ANTI-CAM-OUT  
METRIC PAN & RAISED CHEESE HEAD PUNCH**

DRAWN:  
R. CHERLIN

DATE:  
5-5-97

DRAWING NUMBER:

**P2P-31**

SHEET 2 OF 2

PHILLIPS SCREW CO., 155 FARM STREET, BELLINGHAM, MA 02019 U.S.A.  
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