




Recess Punches
& Fastener Tooling



**REG
ELLEN
MACHINE TOOL CORP.**

2135 Kishwaukee St.

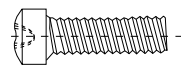
Rockford, IL. 61104

(815) 964-0099

Fax: (815) 964-0482

www.regellen.com

Recess Punches



Fillister & Raised Cheese Head Screws

SCREW SIZE		PUNCH NUMBER				
MACHINE AND TAPPING FINISHED HEAD SCREW	MACHINE AND TAPPING SHAVED HEAD SCREW	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen.Imp.			
2	-	3P10-35	.052	.135/.140	.023	7/16
-	2	3P10-13	.052	.190/.195	.041	7/16
3	-	3P10-37	.061	.157/.162	.027	7/16
-	3	3P10-14	.061	.215/.220	.046	7/16
4	-	3P10-36	.071	.179/.184	.030	7/16
-	4	3P10-15	.071	.241/.246	.050	7/16
5	-	3P20-265	.056	.201/.206	.033	7/16
-	5	3P20-346	.056	.264/.269	.055	7/16
6	-	3P20-257	.080	.222/.227	.036	7/16
-	6	3P20-21	.080	.280/.285	.056	7/16
7	-	3P20-278	.089	.245/.250	.037	9/16
-	7	3P20-22	.089	.317/.322	.065	9/16
8	-	3P20-266	.097	.267/.272	.043	9/16
-	8	3P20-23	.097	.346/.351	.073	9/16
10	-	3P20-258	.113	.310/.315	.049	9/16
-	10	3P20-25	.113	.409/.414	.088	9/16
12	-	3P30-68	.124	.355/.360	.056	7/8
-	12	3P30-21	.124	.459/.464	.097	7/8
14	-	3P30-67	.144	.413/.418	.064	7/8
-	14	3P30-22	.144	.519/.524	.106	7/8
1/4	-	3P30-67	.144	.413/.418	.064	7/8
-	1/4	3P30-22	.144	.519/.524	.106	7/8
5/16	-	3P30-69	.186	.520/.525	.080	7/8
-	5/16	3P30-140	.186	.698/.703	.157	1
3/8	-	3P40-162	.213	.624/.629	.096	1
-	3/8	3P40-26	.213	.788/.793	.134	11/4
7/16	-	3P40-163	.239	.625/.630	.111	11/4
-	7/16	3P40-27	.239	.913/.918	.148	11/4
1/2	-	3P40-164	.260	.752/.757	.127	11/4
-	1/2	3P40-28	.260	1.038/1.043	.163	11/4



Recess Punches



Fillister & Raised Cheese Head Screws

SCREW SIZE		PUNCH NUMBER				
MACHINE AND TAPPING FINISHED HEAD SCREW	MACHINE AND TAPPING SHAVED HEAD SCREW	USA 1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
2	-	3PZ10-35	.053	.132/.137	.019	7/16
-	2	3PZ10-13	.053	.190/195	.041	7/16
3	-	3PZ10-37	.062	.153/.158	.021	7/16
-	3	3PZ10-14	.062	.215/.220	.046	7/16
4	-	3PZ10-36	.072	.175/.180	.025	7/16
-	4	3PZ10-15	.072	.241/.246	.050	7/16
5	-	3PZ20-265	.054	.196/.201	.028	7/16
-	5	3PZ20-346	.057	.264/.269	.054	7/16
6	-	3PZ20-257	.076	.207.212	.032	7/16
-	6	3PZ20-21	.076	.280/.285	.056	7/16
7	-	3PZ20-278	.085	.245/.250	.037	9/16
-	7	3PZ20-22	.085	.317/.322	.065	9/16
8	-	3PZ20-266	.091	.260/.265	.039	9/16
-	8	3PZ20-23	.091	.346/.351	.073	9/16
10	-	3PZ20-258	.107	.303/.308	.045	9/16
-	10	3PZ20-25	.107	.409/.414	.088	9/16
12	-	3PZ30-68	.117	.355/.360	.056	7/8
-	12	3PZ30-21	.117	.459/.464	.097	7/8
14	-	3PZ30-67	.138	.402/.407	.060	7/8
-	14	3PZ30-22	.138	.519/.524	.107	7/8
1/4	-	3PZ30-67	.138	.402/.407	.060	7/8
-	1/4	3PZ30-22	.138	.519/.524	.107	7/8
5/16	-	3PZ30-69	.181	.520/.525	.080	7/8
-	5/16	3PZ30-140	.181	.698/.703	.157	1
3/8	-	3PZ40-162	.201	.624/.629	.096	1
-	3/8	3PZ40-26	.201	.788/.793	.134	1 1/4
7/16	-	3PZ40-163	.225	.625/.630	.111	1 1/4
-	7/16	3PZ40-27	.224	.913/.918	.149	1 1/4
1/2	-	3PZ40-164	.247	.752/.757	.127	1 1/4
-	1/2	3PZ40-28	.247	1.038/1.043	.163	1 1/4

Recess Punches



Fillister & Raised Cheese Head Screws

SCREW SIZE		PUNCH NUMBER				
MACHINE AND TAPPING FINISHED HEAD SCREW	MACHINE AND TAPPING SHAVED HEAD SCREW	1A/POZIDRIV®		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen.Imp.			
2	-	1Z-350	.053	.135/.140	.023	7/16
-	2	1Z-130	.053	.190/.195	.040	7/16
3	-	1Z-370	.062	.157/.162	.027	7/16
-	3	1Z-140	.062	.215/.220	.045	7/16
4	-	1Z-360	.072	.179/.184	.030	7/16
-	4	1Z-150	.072	.241/.246	.049	7/16
5	-	2Z-2650	.054	.201/.206	.033	7/16
-	5	2Z-3460	.057	.264/.269	.055	7/16
6	-	2Z-2570	.076	.222/.227	.036	7/16
-	6	2Z-210	.076	.280/.285	.055	7/16
7	-	2Z-2780	.085	.245/.250	.037	9/16
-	7	2Z-220	.085	.317/.322	.064	9/16
8	-	2Z-2660	.091	.267/.272	.043	9/16
-	8	2Z-230	.092	.346/.351	.072	9/16
10	-	2Z-2580	.107	.310/.315	.049	9/16
-	10	2Z-250	.108	.409/.414	.087	9/16
12	-	3Z-680	.117	.355/.360	.056	7/8
-	12	3Z-210	.117	.459/.464	.096	7/8
14	-	3Z-670	.138	.413/.418	.064	7/8
-	14	3Z-220	.137	.519/.524	.105	7/8
1/4	-	3Z-670	.138	.413/.418	.064	7/8
-	1/4	3Z-220	.137	.519/.524	.105	7/8
5/16	-	3Z-690	.181	.520/.525	.080	7/8
-	5/16	3Z-1400	.181	.698/.703	.157	1
3/8	-	4Z-1620	.201	.624/.629	.096	1
-	3/8	4Z-260	.201	.788/.793	.134	1 1/4
7/16	-	4Z-1630	.225	.625/.630	.111	1 1/4
-	7/16	4Z-270	.224	.913/.918	.149	1 1/4
1/2	-	4Z-1640	.247	.752/.757	.127	1 1/4
-	1/2	4Z-280	.247	1.038/1.043	.163	1 1/4



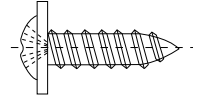
Recess Punches



Fillister & Raised Cheese Head Screws

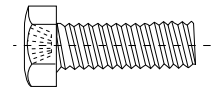
SCREW SIZE		PUNCH NUMBER				
MACHINE AND TAPPING FINISHED HEAD SCREW	MACHINE AND TAPPING SHAVED HEAD SCREW	SUPADRIV® No.	Max Pen.Met.	BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
2	-	-	-	-	-	7/16
-	2	-	-	-	-	7/16
3	-	1-52XV	1.19	3.99/4.11	0.66	7/16
-	3	1-140XV	1.19	5.46/5.58	1.14	7/16
4	-	1-53XV	1.49	4.55/4.67	0.74	7/16
-	4	1-150XV	1.49	6.12/6.24	1.24	7/16
5	-	-	-	-	-	7/16
-	5	-	-	-	-	7/16
6	-	2-61XV	1.65	5.64/5.76	0.89	7/16
-	6	2-210XV	1.65	7.11/7.23	1.40	7/16
7	-	-	-	-	-	9/16
-	7	-	-	-	-	9/16
8	-	2-62XV	2.01	6.78/6.90	1.07	9/16
-	8	2-230XV	2.01	8.79/8.91	1.83	9/16
10	-	2-63XV	2.37	7.87/7.99	1.22	9/16
-	10	2-253XV	2.79	11.00/11.12	2.20	9/16
12	-	3-71XV	2.80	9.02/9.14	1.40	7/8
-	12	3-210XV	2.80	11.66/11.78	2.44	7/8
14	-	-	-	-	-	7/8
-	14	-	-	-	-	7/8
1/4	-	3-72XV	3.22	10.49/10.61	1.60	7/8
-	1/4	3-220XV	3.22	13.18/13.30	2.67	7/8
5/16	-	-	-	-	-	7/8
-	5/16	3-18XV	4.37	17.73/17.85	3.96	1
3/8	-	4-23XV	4.86	15.67/15.79	1.97	1
-	3/8	4-260XV	4.86	20.02/20.14	3.38	1 1/4
7/16	-	4-24XV	5.46	15.75/15.87	1.63	1 1/4
-	7/16	4-270XV	5.46	23.19/23.31	3.73	1 1/4
1/2	-	-	-	-	-	1 1/4
-	1/2	-	-	-	-	1 1/4

Recess Punches



Washer Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		
2	3P10-23	.046	.136/.141	.044	7/16
3	3P10-24	.056	.156/.161	.049	7/16
4	3P10-25	.061	.177/.182	.055	7/16
5	3P20-45	.054	.198/.203	.052	7/16
6	3P20-46	.061	.218/.223	.058	7/16
7	3P20-47	.065	.238/.243	.073	9/16
8	3P20-48	.076	.259/.264	.078	9/16
10	2P20-49	.093	.300/.305	.091	9/16
12	3P30-42	.094	.346/.351	.096	7/8
1/4	3P30-43	.107	.394/.397	.117	7/8
5/16	3P30-44	.156	.494/.499	.149	1
3/8	3P40-36	.170	.593/.598	.179	1 1/4
7/16	3P40-37	.190	.691/.696	.208	1 1/4
1/2	3P40-38	.210	.790/.795	.238	1 1/4

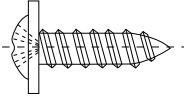


Trimmed Hexagon Washer

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		
4	3P10-157	.078	.231/.236	.015	7/16
6	3P20-137	.070	.330/.335	.030	7/16
8	3P20-474	.110	.330/.335	.030	9/16
10	3P20-147	.125	.410/.415	.036	9/16
12	3P30-94	.139	.410/.415	.037	1
1/14	3P30-58	.154	.491/.496	.043	1
5/16	3P40-65	.196	.639/.644	.053	1
3/8	3P40-66	.225	.738/.743	.066	1 1/4



Recess Punches



Washer Head

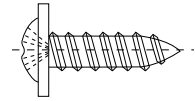
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	3PZ10-25	.067	.177/.182	.055	7/16
5	3PZ20-45	.048	.198/.203	.052	7/16
6	3PZ20-46	.062	.218/.223	.058	7/16
7	3PZ20-47	.064	.238/.243	.073	9/16
8	3PZ20-48	.075	.259/.264	.078	9/16
10	3PZ20-49	.091	.300/.305	.091	9/16
12	3PZ30-42	.089	.346/.351	.096	7/8
1/4	3PZ30-43	.105	.394/.397	.117	7/8
5/16	3PZ30-44	.152	.494/.499	.149	1
3/8	3PZ40-36	.164	.593/.598	.179	1 1/4
7/16	3PZ40-37	.182	.691/.696	.208	1 1/4
1/2	3PZ40-38	.199	.790/.795	.238	1 1/4



Trimmed Hexagon Washer

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
4	3PZ10-157	.075	.231/.236	.015	7/16
6	3PZ20-137	.062	.330/.335	.030	7/16
8	3PZ20-474	.100	.330/.335	.030	9/16
10	3PZ20-147	.115	.330/.335	.036	9/16
12	3PZ30-94	.127	.410/.415	.037	1
1/4	3PZ30-58	.141	.491/.496	.043	1
5/16	3PZ40-65	.181	.639/.644	.053	1
3/8	3PZ40-66	.206	.738/.743	.066	1 1/4

Recess Punches



Washer Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Imp.			
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	1Z-250	.067	.177/.182	.055	7/16
5	2Z-450	.048	.198/.203	.052	7/16
6	2Z-460	.062	.218/.223	.058	7/16
7	2Z-470	.064	.238/.243	.073	9/16
8	2Z-480	.075	.259/.264	.078	9/16
10	2Z-490	.091	.300/.305	.091	9/16
12	3Z-420	.089	.346/.351	.096	7/8
1/4	3Z-430	.105	.394/.397	.117	7/8
5/16	3Z-440	.152	.494/.499	.149	1
3/8	4Z-360	.164	.593/.598	.179	1 1/4
7/16	4Z-370	.182	.691/.696	.208	1 1/4
1/2	4Z-380	.199	.790/.795	.238	1 1/4

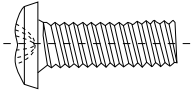


Trimmed Hexagon Washer

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Imp.			
4	1Z-1570	.075	.231/.236	.015	7/16
6	2Z-1370	.062	.330/.335	.030	7/16
8	2Z-4740	.100	.330/.335	.030	9/16
10	2Z-1470	.115	.330/.335	.036	9/16
12	3Z-940	.127	.410/.415	.037	1
1/4	3Z-580	.141	.491/.496	.043	1
5/16	4Z-650	.181	.639/.644	.053	1
3/8	4Z-660	.206	.738/.743	.066	1 1/4



Recess Punches



Binding Head

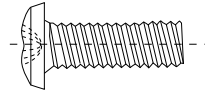
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Imp.			
2	3P10-63	.051	.196/.201	.023	7/16
3	3P10-64	.061	.223/.228	.027	7/16
4	3P10-62	.070	.250/.255	.029	7/16
5	3P20-144	.064	.278/.283	.036	9/16
6	3P20-133	.077	.312/.317	.039	9/16
8	3P20-145	.103	.360/.365	.043	9/16
10	3P20-143	.123	.416/.421	.054	9/16
12	3P30-96	.134	.472/.477	.058	7/8
1/4	3P30-97	.147	.531/.536	.073	7/8
5/16	3P40-107	.175	.663/.668	.094	1
3/8	3P40-108	.227	.790/.795	.099	1



Indented Hexagon Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS		INDENT DIA.		ACTUAL INDENT DEPTH
	No.	Max Pen.Imp.			
2	3P10-127	.054	.100/.105	.008	7/16
3	3P10-128	.060	.100/.105	.008	7/16
4	3P10-41	.067	.153/.158	.010	7/16
5	3P10-42	.076	.153/.158	.010	7/16
6	3P20-100	.089	.210/.215	.014	7/16
7	3P20-100	.089	.210/.215	.014	7/16
8	3P20-102	.115	.210/.215	.020	9/16
10	3P20-103	.127	.270/.275	.022	9/16
12	3P30-59	.152	.270/.275	.028	7/8
1/4	3P30-71	.186	.320/.325	.032	7/8
1/4	3P30-87	.154	.381/.386	.032	7/8
5/16	3P40-242	.234	.432/.437	.038	1
3/8	3P40-243	.267	.491/.496	.042	1

Recess Punches



Binding Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV [®] USA No.	Max Pen.Imp.	BOWL DIA.		
2	3PZ10-63	.054	.196/.201	.023	7/16
3	3PZ10-64	.059	.223/.228	.027	7/16
4	3PZ10-62	.068	.250/.255	.029	7/16
5	3PZ20-144	.058	.278/.283	.036	9/16
6	3PZ20-133	.072	.312/.317	.039	9/16
8	3PZ20-145	.097	.360/.365	.043	9/16
10	3PZ20-143	.115	.416/.421	.054	9/16
12	3PZ30-96	.125	.472/.477	.058	7/8
1/4	3PZ30-97	.139	.531/.536	.073	7/8
5/16	3PZ40-107	.163	.663/.668	.094	1
3/8	3PZ40-108	.213	.790/.795	.099	1



Indented Hexagon Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV [®] USA No.	Max Pen.Imp.	INDENT DIA.		
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	3PZ10-41	.063	.153/.158	.010	7/16
5	3PZ10-42	.071	.153/.158	.010	7/16
6	3PZ20-100	.080	.210/.215	.014	7/16
7	3PZ20-100	.080	.210/.215	.014	7/16
8	3PZ20-102	.105	.210/.215	.020	9/16
10	3PZ20-103	.116	.270/.275	.022	9/16
12	3PZ30-59	.140	.270/.275	.028	7/8
1/4	3PZ30-71	.174	.320/.325	.032	7/8
1/4	3PZ30-87	.174	.381/.386	.032	7/8
5/16	3PZ40-242	.219	.432/.437	.038	1
3/8	3PZ40-243	.249	.491/.496	.042	1



Recess Punches



Indented Hexagon Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER
	1A/POZIDRIV®		INDENT DIA.	
	No.	Max Pen.Imp.		
2	-	-	-	7/16
3	-	-	-	7/16
4	1Z-410	.063	.153/.158	7/16
5	1Z-420	.071	.153/.158	7/16
6	2Z-1000	.080	.210/.215	7/16
7	2Z-1000	.080	.210/.215	7/16
8	2Z-1020	.105	.210/.215	9/16
10	2Z-1030	.116	.270/.275	9/16
12	3Z-590	.140	.270/.275	7/8
1/4	3Z-710	.174	.320/.325	7/8
1/4	3Z-870	.174	.381/.386	7/8
5/16	4Z-2420	.219	.432/.437	1
3/8	4Z-2430	.249	.491/.496	1



Binding Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER
	1A/POZIDRIV®		BOWL DIA.	
	No.	Max Pen.Imp.		
2	1Z-630	.054	.196/.201	7/16
3	1Z-640	.059	.223/.228	7/16
4	1Z-620	.068	.250/.255	7/16
5	2Z-1440	.058	.278/.283	9/16
6	2Z-1330	.072	.312/.317	9/16
8	2Z-1450	.097	.360/.365	9/16
10	2Z-1430	.115	.416/.421	9/16
12	3Z-960	.125	.472/.477	7/8
1/4	3Z-970	.139	.531/.536	7/8
5/16	4Z-1070	.163	.663/.668	1
3/8	4Z-1080	.213	.790/.795	1

Recess Punches



Indented Hexagon Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	SUPADRIV®		INDENT DIA.	ACTUAL INDENT DEPTH	
	No.	Max Pen.Met.			
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	1-16XV	1.20	3.75/3.90	0.25	7/16
5	-	-	-	-	7/16
6	2-102XV	1.68	5.15/5.30	0.60	7/16
7	-	-	-	-	7/16
8	2-103XV	2.22	5.15/5.30	0.60	9/16
10	2-104XV	2.52	6.60/6.72	0.60	9/16
12	-	-	-	-	7/8
1/4	3-19XV	3.14	7.90/8.02	0.65	7/8
1/4	-	-	-	-	7/8
5/16	-	-	-	-	1
3/8	-	-	-	-	1



Recess Punches



Full Contour Truss Head

SCREW SIZE	PHILLIPS		PUNCH NUMBER		PUNCH BODY DIAMETER
	No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	3P10-13	.052	.190/.195	.041	7/16
3	3P10-61	.059	.231/.236	.042	7/16
4	3P10-17	.062	.257/.262	.053	7/16
5	3P10-18	.078	.289/.294	.058	7/16
6	3P20-63	.073	.321/.326	.066	9/16
6	3P20-142	.073	.321/.326	.066	7/16
7	3P20-71	.080	.352/.357	.071	9/16
8	3P20-33	.088	.384/.389	.079	9/16
9	3P20-64	.096	.415/.420	.088	7/8
10	3P20-34	.104	.448/.453	.095	7/8
10	3P20-153	.104	.448/.453	.095	3/4
12	3P30-24	.111	.511/.516	.111	7/8
1/4	3P30-25	.126	.573/.578	.126	7/8
1/4	3P30-115	.126	.573/.578	.126	1
5/16	3P40-20	.173	.698/.703	.157	1
5/16	3P40-94	.173	.698/.703	.158	1 1/4
3/8	3P40-21	.219	.823/.828	.188	1 1/4
3/8	3P40-105	.219	1.000/1.005	.190	1 1/2
7/16	3P40-22	.237	.937/.942	.221	1 1/4
1/2	3P40-31	.268	1.062/1.067	.252	1 1/2

Recess Punches

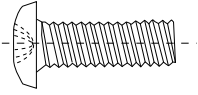


Full Contour Truss Head

SCREW SIZE	SUPADRIV®		PUNCH NUMBER		PUNCH BODY DIAMETER
	No.	Max Pen.Met.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	1-170XV	1.37	6.53/6.65	1.30	7/16
5	1-181XV	1.67	7.34/7.46	1.45	7/16
6	2-630XV	1.59	8.15/8.27	1.65	9/16
6	-	-	-	-	7/16
7	2-710XV	1.83	8.84/9.06	1.78	9/16
8	2-330XV	1.95	9.75/9.87	1.98	9/16
9	-	-	-	-	7/8
10	2-340XV	2.43	11.38/11.50	2.39	7/8
10	-	-	-	-	3/4
12	3-240XV	2.68	12.98/13.10	2.79	7/8
1/4	3-250XV	3.28	14.55/14.67	3.18	7/8
1/4	-	-	-	-	1
5/16	4-201XV	3.77	17.73/17.85	3.96	1
5/16	-	-	-	-	11/4
3/8	4-211XV	4.87	20.90/21.02	4.75	11/4
3/8	-	-	-	-	11/2
7/16	-	-	-	-	11/4
1/2	-	-	-	-	11/2



Recess Punches



Flat Top Truss Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	3P10-100	.052	.190/.195	.030	7/16
3	3P10-101	.059	.231/.236	.030	7/16
4	3P10-102	.062	.257/.262	.040	7/16
5	3P10-103	.078	.289/.294	.045	7/16
6	3P20-321	.073	.321/.326	.047	9/16
6	3P20-338	.073	.321/.326	.048	7/16
7	3P20-322	.080	.352/.357	.052	9/16
8	3P20-323	.088	.384/.389	.060	9/16
10	3P20-324	.104	.448/.453	.076	7/8
10	3P20-339	.104	.448/.453	.076	3/4
12	3P30-167	.111	.511/.516	.081	7/8
14	3P30-227	.126	.557/.562	.092	7/8
14	3P30-228	.126	.557/.562	.093	1
1/4	3P30-168	.126	.573/.578	.097	7/8
1/4	3P30-180	.126	.573/.578	.096	1
16	3P30-184	.134	.609/.614	.103	1
18	3P40-199	.145	.661/.666	.103	1
5/16	3P40-172	.173	.698/.703	.115	1
5/16	3P40-189	.173	.698/.703	.114	1 1/4
20	3P40-200	.177	.713/.718	.115	1
24	3P40-173	.219	.823/.828	.145	1 1/4
3/8	3P40-173	.219	.823/.828	.145	1 1/4
7/16	3P40-174	.237	.937/.942	.177	1 1/4
1/2	3P40-175	.268	1.062/1.067	.209	1 1/2

Recess Punches

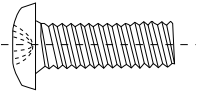


Flat Top Truss Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	3PZ10-100	.049	.190/.195	.029	7/16
3	3PZ10-101	.056	.231/.236	.030	7/16
4	3PZ10-102	.059	.257/.262	.041	7/16
5	3PZ10-103	.075	.289/.294	.045	7/16
6	3PZ20-321	.065	.321/.326	.047	9/16
6	3PZ20-338	.065	.321/.326	.048	7/16
7	3PZ20-322	.072	.352/.357	.052	9/16
8	3PZ20-323	.079	.384/.389	.060	9/16
10	3PZ20-324	.095	.448/.453	.076	7/8
10	3PZ20-339	.095	.448/.453	.076	3/4
12	3PZ30-167	.101	.511/.516	.081	7/8
14	3PZ30-227	.115	.557/.562	.092	7/8
14	3PZ30-228	.115	.557/.562	.093	1
1/4	3PZ30-168	.115	.573/.578	.096	7/8
1/4	3PZ30-180	.115	.573/.578	.096	1
16	3PZ30-184	.123	.609/.614	.103	1
18	3PZ40-199	.133	.661/.666	.103	1
5/16	3PZ40-172	.161	.698/.703	.115	1
5/16	3PZ40-189	.161	.698/.703	.114	11/4
20	3PZ40-200	.164	.713/.718	.115	1
24	3PZ40-173	.192	.823/.828	.145	11/4
3/8	3PZ40-173	.192	.823/.828	.145	11/4
7/16	3PZ40-174	.223	.937/.942	.177	11/4
1/2	3PZ40-175	.251	1.062/1.067	.209	11/2



Recess Punches



Flat Top Truss Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	1A/POZIDRIV®	BOWL DIA.	THEORETICAL BOWL DEPTH	Max Pen.Imp.	
	No.				
2	1Z-1000	.049	.190/.195	.030	7/16
3	1Z-1010	.056	.231/.236	.030	7/16
4	1Z-1020	.059	.257/.262	.039	7/16
5	1Z-1030	.075	.289/.294	.044	7/16
6	2Z-3210	.065	.321/.326	.048	9/16
6	2Z-3380	.065	.321/.326	.048	7/16
7	2Z-3220	.072	.352/.357	.051	9/16
8	2Z-3230	.079	.384/.390	.059	9/16
10	2Z-3240	.095	.448/.453	.075	7/8
10	2Z-3390	.095	.448/.453	.075	3/4
12	3Z-1670	.101	.511/.516	.081	7/8
14	3Z-2270	.115	.557/.562	.092	7/8
14	3Z-2280	.115	.557/.562	.093	1
1/4	3Z-1680	.115	.573/.578	.095	7/8
1/4	3Z-1800	.115	.573/.578	.096	1
16	3Z-1840	.123	.609/.614	.103	1
18	4Z-1990	.133	.661/.666	.103	1
5/16	4Z-1720	.161	.698/.703	.115	1
5/16	4Z-1890	.161	.698/.703	.114	1 1/4
20	4Z-2000	.164	.713/.718	.115	1
24	4Z-1730	.192	.823/.828	.144	1 1/4
3/8	4Z-1730	.192	.823/.828	.144	1 1/4
7/16	4Z-1740	.223	.937/.942	.177	1 1/4
1/2	4Z-1750	.251	1.062/1.067	.209	1 1/2

Recess Punches

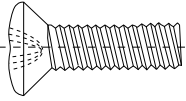


Flat Top Truss Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV® No.	Max Pen. Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	1-1000XV	1.02	4.83/4.95	0.76	7/16
3	1-1010XV	1.20	5.87/5.99	0.79	7/16
4	1-1020XV	1.38	6.53/6.65	1.04	7/16
5	1-1030XV	1.68	7.34/7.46	1.17	7/16
6	2-3211XV	1.62	8.15/8.27	1.22	9/16
6	-	-	-	-	7/16
7	2-3221XV	1.68	8.94/9.04	1.35	9/16
8	2-3231XV	2.10	9.75/9.87	1.55	9/16
10	2-3243XV	2.46	11.38/11.50	1.95	7/8
10	-	-	-	-	3/4
12	3-1670XV	2.60	12.98/13.10	2.08	7/8
14	-	-	-	-	7/8
14	-	-	-	-	1
1/4	3-1680XV	2.96	14.55/14.67	2.46	7/8
1/4	-	-	-	-	1
16	-	-	-	-	1
18	-	-	-	-	1
5/16	4-1720XV	3.88	17.73/17.85	2.92	1
5/16	-	-	-	-	1 1/4
20	-	-	-	-	1
24	-	-	-	-	1 1/4
3/8	4-1730XV	4.67	20.90/21.02	3.71	1 1/4
7/16	-	-	-	-	1 1/4
1/2	-	-	-	-	1 1/2



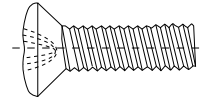
Recess Punches



100° Oval Head (Raised Head)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV® No.	Max Pen.Imp.	BOWL DIA.		
2	3P10-82	.051	.168/.173	.021	7/16
3	3P10-83	.061	.195/.200	.026	7/16
4	3P10-84	.076	.221/.226	.027	7/16
5	3P20-7	.074	.247/.252	.031	7/16
6	3P20-8	.094	.274/.279	.035	7/16
7	3P20-14	.100	.300/.305	.037	9/16
8	3P20-12	.108	.326/.331	.041	9/16
9	3P20-203	.117	.352/.357	.044	9/16
10	3P20-13	.126	.379/.384	.047	9/16
12	3P30-11	.135	.431/.436	.054	7/8
14	3P30-13	.156	.484/.489	.061	7/8
1/4	3P30-12	.156	.500/.505	.063	7/8
16	3P30-142	.174	.536/.541	.069	1
18	3P40-6	.206	.589/.594	.075	1
5/16	3P40-13	.218	.627/.632	.079	1
3/8	3P40-10	.237	.752/.757	.097	1 1/4

Recess Punches

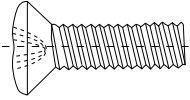


100° Oval Head (Raised Head)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	-	-	-	-	7/16
5	3PZ20-7	.074	.247/.252	.031	7/16
6	3PZ20-8	.093	.274/.279	.034	7/16
7	3PZ20-14	.099	.300/.305	.037	9/16
8	3PZ20-12	.108	.326/.331	.041	9/16
9	-	-	-	-	9/16
10	3PZ20-13	.125	.379/.384	.047	9/16
12	3PZ30-11	.135	.431/.436	.054	7/8
14	3PZ30-13	.153	.484/.489	.061	7/8
1/4	3PZ30-12	.155	.500/.505	.063	7/8
16	3PZ30-142	.172	.536/.541	.069	1
18	3PZ40-6	.205	.589/.594	.075	1
5/16	3PZ40-13	.215	.627/.632	.079	1
3/8	3PZ40-10	.235	.752/.757	.097	1 1/4



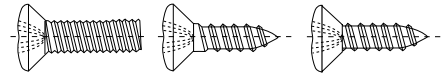
Recess Punches



100° Oval Head (Raised Head)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER
	1A POZIDRIV®		BOWL DIA.	
	No.	Max Pen.Imp.		
2	-	-	-	7/16
3	-	-	-	7/16
4	-	-	-	7/16
5	2Z-70	.074	.247/.252	7/16
6	2Z-80	.093	.274/.279	7/16
7	2Z-140	.099	.300/.305	9/16
8	2Z-120	.108	.326/.331	9/16
9	-	-	-	9/16
10	2Z-130	.125	.379/.384	9/16
12	3Z-110	.135	.431/.436	7/8
14	3Z-130	.153	.484/.489	7/8
1/4	3Z-120	.155	.500/.505	7/8
16	3Z-1420	.172	.536/.541	1
18	4Z-60	.205	.589/.594	1
5/16	4Z-130	.215	.627/.632	1
3/8	4Z-100	.235	.752/.757	1 1/4

Recess Punches

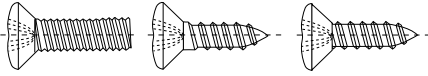


82° Oval Head (Raised Head)

SCREW SIZE			PUNCH NUMBER				PUNCH BODY
CUT THREAD WOODSCREW	MACHINE & METAL SCREW	SELF- TAPPING & ROLLED WOODSCREW	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	2	2	3P10-4	.062	.168/.173	.021	7/16
3	3	3	3P10-5	.074	.195/.200	.025	7/16
4	4	4	3P10-6	.087	.221/.226	.027	7/16
5	5	5	3P20-7	.074	.247/.252	.031	7/16
6	6	6	3P20-8	.094	.274/.279	.035	7/16
7	-	-	3P20-9	.104	.300/.305	.036	9/16
-	7	7	3P20-14	.100	.300/.305	.037	9/16
8	-	-	3P20-10	.120	.326/.331	.041	9/16
-	8	8	3P20-12	.108	.326/.331	.041	9/16
9	-	-	3P20-11	.133	.352/.357	.043	9/16
10	-	-	3P30-6	.125	.379/.384	.047	7/8
-	10	10	3P20-13	.126	.379/.384	.047	9/16
12	-	-	3P30-8	.148	.431/.436	.054	7/8
-	12	12	3P30-11	.135	.431/.436	.054	7/8
14	-	-	3P30-9	.173	.484/.489	.061	7/8
-	-	14	3P30-13	.156	.484/.489	.061	7/8
-	1/4	-	3P30-12	.156	.500/.505	.063	7/8
16	-	16	3P30-10	.197	.536/.541	.069	1
18	-	18	3P40-6	.206	.589/.594	.075	1
-	5/16	-	3P40-13	.218	.627/.632	.079	1
-	3/8	-	3P40-10	.237	.752/.757	.097	1 1/4
20	-	20	3P40-7	.225	.641/.646	.080	1
-	7/16	-	3P40-11	.249	.810/.815	.111	1 1/4
24	-	24	3P40-8	.262	.746/.751	.093	1 1/4
-	1/2	-	3P40-12	.263	.865/.870	.123	1 1/4



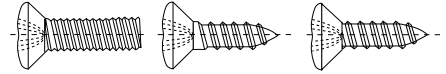
Recess Punches



82° Oval Head (Raised Head)

SCREW SIZE			PUNCH NUMBER			PUNCH BODY	
CUT THREAD WOODSCREW	MACHINE & METAL SCREW	SELF-TAPPING & ROLLED WOODSCREW	USA 1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	2	2	3PZ10-4	.062	.168/.173	.021	7/16
3	3	3	3PZ10-5	.074	.195/.200	.025	7/16
4	4	4	3PZ10-6	.086	.221/.226	.027	7/16
5	5	5	3PZ20-7	.074	.247/.252	.031	7/16
6	6	6	3PZ20-8	.093	.274/.279	.034	7/16
7	-	-	3PZ20-9	.105	.300/.305	.037	9/16
-	7	7	3PZ20-14	.099	.300/.305	.037	9/16
8	-	-	3PZ20-10	.121	.326/.331	.041	9/16
-	8	8	3PZ20-12	.108	.326/.331	.041	9/16
9	-	-	3PZ20-11	.132	.352/.357	.043	9/16
10	-	-	3PZ30-6	.125	.379/.384	.047	7/8
-	10	10	3PZ20-13	.125	.379/.384	.047	9/16
12	-	-	3PZ30-8	.148	.431/.436	.054	7/8
-	12	12	3PZ30-11	.135	.431/.436	.054	7/8
14	-	-	3PZ30-9	.170	.484/.489	.061	7/8
-	-	14	3PZ30-13	.153	.484/.489	.061	7/8
-	1/4	-	3PZ30-12	.155	.500/.505	.063	7/8
16	-	16	3PZ30-10	.197	.536/.541	.069	1
18	-	18	3PZ40-6	.205	.589/.594	.075	1
-	5/16	-	3PZ40-13	.215	.627/.632	.079	1
-	3/8	-	3PZ40-10	.235	.752/.757	.097	1 1/4
20	-	20	3PZ40-7	.225	.641/.646	.080	1
-	7/16	-	3PZ40-11	.247	.810/.815	.111	1 1/4
24	-	24	3PZ40-8	.261	.746/.751	.093	1 1/4
-	1/2	-	3PZ40-12	.262	.865/.870	.123	1 1/4

Recess Punches

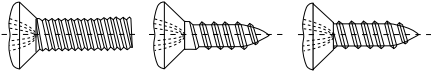


82° Oval Head (Raised Head)

SCREW SIZE			PUNCH NUMBER				PUNCH BODY
CUT THREAD WOODSCREW	MACHINE & METAL SCREW	SELF- TAPPING & ROLLED WOODSCREW	1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	2	2	1Z-40	.062	.168/.173	.021	7/16
3	3	3	1Z-50	.074	.195/.200	.025	7/16
4	4	4	1Z-60	.086	.221/.226	.027	7/16
5	5	5	2Z-70	.074	.247/.252	.031	7/16
6	6	6	2Z-80	.093	.274/.279	.034	7/16
7	-	-	2Z-90	.105	.300/.305	.037	9/16
-	7	7	2Z-140	.099	.300/.305	.037	9/16
8	-	-	2Z-100	.121	.331/.336	.074	9/16
-	8	8	2Z-120	.108	.326/.331	.041	9/16
9	-	-	2Z-110	.132	.352/.357	.043	9/16
10	-	-	3Z-60	.125	.379/.384	.047	7/8
-	10	10	2Z-130	.125	.379/.384	.047	9/16
12	-	-	3Z-80	.148	.431/.436	.054	7/8
-	12	12	3Z-110	.135	.431/.436	.054	7/8
14	-	-	3Z-90	.170	.484/.489	.061	7/8
-	-	14	3Z-130	.153	.484/.489	.061	7/8
-	1/4	-	3Z-120	.155	.500/.505	.063	7/8
16	-	16	3Z-100	.197	.536/.541	.069	1
18	-	18	4Z-60	.205	.589/.594	.075	1
-	5/16	-	4Z-130	.215	.627/.632	.079	1
-	3/8	-	4Z-100	.235	.752/.757	.097	1 1/4
20	-	20	4Z-70	.225	.641/.646	.080	1
-	7/16	-	4Z-110	.247	.810/.815	.111	1 1/4
24	-	24	4Z-80	.261	.746/.751	.093	1 1/4
-	1/2	-	4Z-120	.262	.865/.870	.123	1 1/4



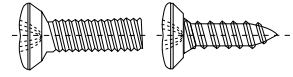
Recess Punches



82° Oval Head (Raised Head)

SCREW SIZE			PUNCH NUMBER			PUNCH BODY	
CUT THREAD WOODSCREW	MACHINE & METAL SCREW	SELF- TAPPING & ROLLED WOODSCREW	SUPADRIV®		THEORETICAL BOWL DEPTH		
			No.	Max Pen.Met.			
2	2	2	1-11XV	1.01	4.09/4.21	.051	7/16
3	3	3	1-12XV	1.31	4.98/5.10	.061	7/16
4	4	4	1-13XV	1.73	5.49/5.61	.066	7/16
5	5	5	2-14XV	1.53	6.20/6.32	.076	7/16
6	6	6	2-15XV	2.01	6.60/6.72	.084	7/16
7	-	-	-	-	-	-	9/16
-	7	7	2-17XV	2.31	7.37/7.49	0.91	9/16
8	-	-	-	-	-	-	9/16
-	8	8	2-18XV	2.43	7.87/7.99	1.02	9/16
9	-	-	-	-	-	-	9/16
10	-	-	-	-	-	-	7/8
-	10	10	2-21XV	2.91	9.12/9.24	1.17	9/16
12	-	-	-	-	-	-	7/8
-	12	12	3-12XV	3.16	10.47/10.59	1.35	7/8
14	-	-	-	-	-	-	7/8
-	-	14	3-15XV	3.64	12.01/12.13	1.57	7/8
-	1/4	-	3-15XV	3.64	12.01/12.13	1.57	7/8
16	-	16	-	-	-	-	1
18	-	18	-	-	-	-	1
-	5/16	-	4-12XV	5.04	15.06/15.18	1.90	1
-	3/8	-	4-15XV	5.64	18.08/18.20	2.44	1 1/4
20	-	20	-	-	-	-	1
-	7/16	-	-	-	-	-	1 1/4
24	-	24	-	-	-	-	1 1/4
-	1/2	-	4-18XV	6.43	20.52/20.64	3.07	1 1/4

Recess Punches

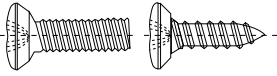


82° Undercut Oval Head (Raised Head)

SCREW SIZE		PUNCH NUMBER				
MACHINE AND TAPPING FINISHED HEAD SCREW	SELF-TAPPING TYPE A	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen.Imp.			
2	2	3P10-4	.062	.168/.173	.021	7/16
3	3	3P10-5	.074	.195/.200	.025	7/16
4	4	3P10-6	.087	.221/.226	.027	7/16
5	5	3P20-7	.074	.247/.252	.031	7/16
6	6	3P20-8	.094	.274/.279	.035	7/16
7	7	3P20-14	.100	.300/.305	.037	9/16
8	8	3P20-12	.108	.326/.331	.041	9/16
10	10	3P20-13	.126	.379/.384	.047	9/16
12	12	3P30-11	.135	.431/.436	.054	7/8
-	14	3P30-13	.156	.484/.489	.061	7/8
1/4	-	3P30-12	.156	.500/.505	.063	7/8
-	16	3P30-142	.173	.536/.541	.069	1
-	18	3P40-145	.189	.589/.594	.075	1
5/16	5/16	3P40-254	.206	.627/.632	.079	1
3/8	3/8	3P40-255	.225	.752/.757	.100	1
-	20	3P40-13	.218	.627/.632	.079	1
7/16	-	3P40-256	.237	.802/.807	.104	11/4
-	24	3P40-7	.225	.641/.646	.082	1
1/2	-	3P40-257	.249	.865/.870	.112	11/4



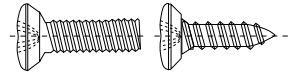
Recess Punches



82° Undercut Oval Head (Raised Head)

SCREW SIZE		PUNCH NUMBER				
MACHINE AND METAL SCREW	SELF-TAPPING TYPE A	1A/POZIDRIV® USA		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen./Imp.			
2	2	3PZ10-4	.062	.168/.173	.021	7/16
3	3	3PZ10-5	.074	.195/.200	.025	7/16
4	4	3PZ10-6	.086	.221/.226	.027	7/16
5	5	3PZ20-7	.074	.247/.252	.031	7/16
6	6	3PZ20-8	.093	.274/.279	.034	7/16
7	7	3PZ20-14	.099	.300/.305	.037	9/16
8	8	3PZ20-12	.108	.326/.331	.041	9/16
10	10	3PZ20-13	.125	.379/.384	.047	9/16
12	12	3PZ30-11	.135	.431/.436	.054	7/8
-	14	3PZ30-13	.153	.484/.489	.061	7/8
1/4	-	3PZ30-12	.155	.500/.505	.063	7/8
-	16	3PZ30-142	.172	.536/.541	.069	1
-	18	3PZ40-145	.188	.589/.594	.075	1
5/16	5/16	3PZ40-254	.205	.627/.632	.079	1
3/8	3/8	3PZ40-255	.225	.752/.757	.100	1
-	20	3PZ40-13	.215	.627/.632	.079	1
7/16	-	3PZ40-256	.235	.802/.807	.104	1 1/4
-	24	3PZ40-7	.225	.641/.646	.082	1
1/2	-	3PZ40-257	.247	.865/.870	.112	1 1/4

Recess Punches

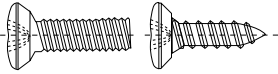


82° Undercut Oval Head (Raised Head)

SCREW SIZE		PUNCH NUMBER				
MACHINE AND METAL SCREW	SELF-TAPPING TYPE A	1A/POZIDRIV		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen.Imp.			
2	2	1Z-40	.062	.168/.173	.021	7/16
3	3	1Z-50	.074	.195/.200	.025	7/16
4	4	1Z-60	.086	.221/.226	.027	7/16
5	5	2Z-70	.074	.247/.252	.031	7/16
6	6	2Z-80	.093	.274/.279	.034	7/16
7	7	2Z-140	.099	.300/.305	.037	9/16
8	8	2Z-120	.108	.326/.331	.041	9/16
10	10	2Z-130	.125	.379/.384	.047	9/16
12	12	3Z-110	.135	.431/.436	.054	7/8
-	14	3Z-130	.153	.484/.489	.061	7/8
1/4	-	3Z-120	.155	.500/.505	.063	7/8
-	16	3Z-1420	.172	.536/.541	.069	1
-	18	3Z-1450	.188	.589/.594	.075	1
5/16	5/16	4Z-2540	.205	.627/.632	.079	1
3/8	3/8	4Z-2550	.225	.752/.757	.100	1
-	20	4Z-130	.215	.627/.632	.079	1
7/16	-	4Z-2560	.235	.802/.807	.104	11/4
-	24	4Z-70	.225	.641/.646	.082	1
1/2	-	4Z-2570	.247	.865/.870	.112	11/4



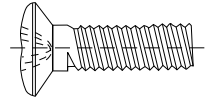
Recess Punches



82° Undercut Oval Head (Raised Head)

SCREW SIZE		PUNCH NUMBER				
MACHINE AND METAL SCREW	SELF-TAPPING TYPE A	SUPADRIV®		BOWL DIA.	THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		No.	Max Pen.,Met.			
2	2	1-11XV	1.01	4.09/4.21	.051	7/16
3	3	-	-	-	-	7/16
4	4	1-13XV	1.73	5.49/5.61	.066	7/16
5	5	2-14XV	1.53	6.20/6.32	.076	7/16
6	6	2-6XV	1.89	6.60/6.72	.084	7/16
7	7	2-1XV	1.95	7.87/7.99	.091	9/16
8	8	2-7XV	2.01	7.87/7.99	1.02	9/16
10	10	2-9XV	2.49	9.12/9.24	1.17	9/16
12	12	3-8XV	2.74	10.47/10.59	1.35	7/8
-	14	-	-	-	-	7/8
1/4	-	3-9XV	3.52	12.01/12.13	1.57	7/8
-	16	-	-	-	-	1
-	18	-	-	-	-	1
5/16	5/16	4-8XV	4.74	15.06/15.18	1.90	1
3/8	3/8	4-15XV	5.64	18.08/18.20	2.44	1
-	20	-	-	-	-	1
7/16	-	-	-	-	-	1 1/4
-	24	-	-	-	-	1
1/2	-	-	-	-	-	1 1/4

Recess Punches

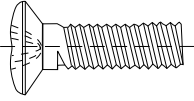


82° Oval Trim Head (Raised Head)

SCREW SIZE	HEAD SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
		PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
4	3	3P10-5	.074	.195/.200	.025	7/16
5	4	3P10-6	.086	.221/.226	.027	7/16
6	4	3P10-6	.087	.221/.226	.027	7/16
6	5	3P20-7	.074	.247/.252	.031	7/16
8	5	3P20-7	.074	.247/.252	.031	7/16
8	6	3P20-8	.094	.274/.279	.035	7/16
10	8	3P20-12	.108	.326/.331	.041	9/16
12	8	3P20-12	.108	.326/.331	.041	9/16
12	10	3P20-13	.126	.379/.384	.047	9/16
1/4	10	3P20-13	.126	.379/.384	.047	9/16
1/4	12	3P30-11	.135	.431/.436	.054	7/8
5/16	12	3P30-11	.135	.431/.436	.054	7/8
5/16	1/4	3P30-12	.156	.500/.505	.063	7/8
3/8	5/16	3P40-13	.218	.627/.632	.079	1



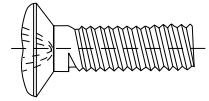
Recess Punches



82° Oval Trim Head (Raised Head)

SCREW SIZE	HEAD SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
		POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
4	3	3PZ10-5	.074	.195/.200	.025	7/16
5	4	3PZ10-6	.086	.221/.226	.027	7/16
6	4	3PZ10-6	.086	.221/.226	.027	7/16
6	5	3PZ20-7	.074	.247/.252	.031	7/16
8	5	3PZ20-7	.074	.247/.252	.031	7/16
8	6	3PZ20-8	.093	.274/.279	.034	7/16
10	8	3PZ20-12	.108	.326/.331	.041	9/16
12	8	3PZ20-12	.108	.326/.331	.041	9/16
12	10	3PZ20-13	.125	.379/.384	.047	9/16
1/4	10	3PZ20-13	.125	.379/.384	.047	9/16
1/4	12	3PZ30-11	.135	.431/.436	.054	7/8
5/16	12	3PZ30-11	.135	.431/.436	.054	7/8
5/16	1/4	3PZ30-12	.155	.500/.505	.063	7/8
3/8	5/16	3PZ40-13	.155	.627/.632	.079	1

Recess Punches

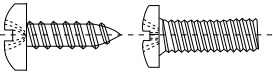


82° Oval Trim Head (Raised Head)

SCREW SIZE	HEAD SIZE	PUNCH NUMBER			THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
		1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.		
4	3	1Z-50	.074	.195/.200	.025	7/16
5	4	1Z-60	.086	.221/.226	.027	7/16
6	4	1Z-60	.086	.221/.226	.027	7/16
6	5	2Z-70	.074	.247/.252	.031	7/16
8	5	2Z-70	.074	.247/.252	.031	7/16
8	6	2Z-80	.093	.274/.279	.034	7/16
10	8	2Z-120	.108	.326/.331	.041	9/16
12	8	2Z-120	.108	.326/.331	.041	9/16
12	10	2Z-130	.125	.379/.384	.047	9/16
1/4	10	2Z-130	.125	.379/.384	.047	9/16
1/4	12	3Z-110	.135	.431/.436	.054	7/8
5/16	12	3Z-110	.135	.431/.436	.054	7/8
5/16	1/4	3Z-120	.155	.500/.505	.063	7/8
3/8	5/16	4Z-130	.155	.627/.632	.079	1

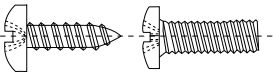


Recess Punches



Combination Slotted Pan Head

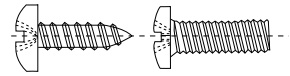
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS	BOWL DIA.	THEORETICAL BOWL DEPTH		
	No. Max Pen.Imp.				
2	3P10-154	.052	.190/.195	.041	7/16
3	3P10-155	.061	.215/.220	.046	7/16
4	3P10-156	.071	.241/.246	.050	7/16
5	3P20-551	.072	.264/.269	.054	7/16
6	3P20-552	.080	.280/.285	.056	7/16
7	3P20-553	.089	.317/.322	.065	9/16
8	3P20-554	.097	.346/.351	.073	9/16
10	3P20-555	.113	.409/.414	.088	9/16
12	3P30-236	.124	.459/.464	.097	7/8
1/4	3P30-237	.144	.519/.524	.106	7/8
5/16	3P40-267	.173	.665/.670	.120	1



Combination Slotted Pan Head

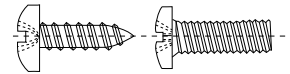
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA	BOWL DIA.	THEORETICAL BOWL DEPTH		
	No. Max Pen.Imp.				
2	3PZ10-154	.053	.190/.195	.041	7/16
3	3PZ10-155	.062	.215/.220	.046	7/16
4	3PZ10-156	.072	.241/.246	.050	7/16
5	3PZ20-551	.068	.264/.269	.054	7/16
6	3PZ20-552	.076	.280/.285	.056	7/16
7	3PZ20-553	.085	.317/.322	.065	9/16
8	3PZ20-554	.092	.346/.351	.073	9/16
10	3PZ20-555	.108	.409/.414	.088	9/16
12	3PZ30-236	.117	.459/.464	.098	7/8
1/4	3PZ30-237	.138	.506/.511	.102	7/8
5/16	3PZ40-267	.164	.665/.670	.120	1

Recess Punches



Combination Slotted Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	1Z-1540	.053	.190/.195	.041	7/16
3	1Z-1550	.062	.215/.220	.047	7/16
4	1Z-1560	.072	.241/.246	.049	7/16
5	2Z-5510	.068	.264/.269	.057	7/16
6	2Z-5520	.076	.280/.285	.055	7/16
7	2Z-5530	.085	.317/.322	.064	9/16
8	2Z-5540	.092	.346/.351	.072	9/16
10	2Z-5550	.108	.409/.414	.087	9/16
12	3Z-2360	.117	.459/.464	.098	7/8
1/4	3Z-2370	.138	.506/.511	.102	7/8
5/16	4Z-2670	.164	.665/.670	.120	1

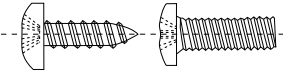


Combination Slotted Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV® USA No.	Max Pen.Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	-	-	-	-	7/16
3	-	-	-	-	7/16
4	1-5512XV	1.61	6.12/6.24	1.24	7/16
5	2-5510XV	1.47	6.70/6.82	1.35	7/16
6	2-5520XV	1.65	7.11/7.23	1.40	7/16
7	2-5530XV	1.95	8.05/8.17	1.62	9/16
8	2-5540XV	2.01	8.79/8.91	1.83	9/16
10	2-5551XV	2.79	11.00/11.12	2.20	9/16
12	-	-	-	-	7/8
1/4	-	-	-	-	7/8
5/16	-	-	-	-	1



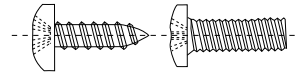
Recess Punches



Pan Head

SCREW SIZE MACHINE & TAPPING SCREW	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	3P10-13	.052	.190/.195	.041	7/16
3	3P10-14	.061	.215/.220	.046	7/16
4	3P10-15	.071	.241/.246	.050	7/16
5	3P20-20	.072	.264/.269	.054	7/16
6	3P20-21	.080	.280/.285	.056	7/16
7	3P20-22	.089	.317/.322	.065	9/16
8	3P20-23	.097	.346/.351	.073	9/16
10	3P20-25	.113	.409/.414	.088	9/16
12	3P30-21	.124	.459/.464	.097	7/8
14	3P30-226	.144	.506/.511	.101	7/8
1/4	3P30-22	.144	.519/.524	.106	7/8
16	3P30-185	.158	.574/.579	.109	7/8
18	3P40-201	.158	.618/.623	.115	1
5/16	3P40-9	.173	.665/.670	.119	1
20	3P40-9	.173	.665/.670	.119	1
24	3P40-26	.213	.788/.793	.134	1 1/4
3/8	3P40-26	.213	.788/.793	.134	1 1/4
7/16	3P40-27	.239	.913/.918	.148	1 1/4
1/2	3P40-28	.260	1.038/1.043	.163	1 1/4

Recess Punches

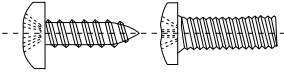


Pan Head

SCREW SIZE MACHINE & TAPPING SCREW	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	3PZ10-13	.053	.190/.195	.041	7/16
3	3PZ10-14	.062	.215/.220	.046	7/16
4	3PZ10-15	.072	.241/.246	.050	7/16
5	3PZ20-20	.068	.264/.269	.054	7/16
6	3PZ20-21	.076	.280/.285	.056	7/16
7	3PZ20-22	.085	.317/.322	.065	9/16
8	3PZ20-23	.091	.346/.351	.073	9/16
10	3PZ20-25	.107	.409/.414	.088	9/16
12	3PZ30-21	.117	.459/.464	.097	7/8
14	3PZ30-226	.138	.506/.511	.101	7/8
1/4	3PZ30-22	.138	.519/.524	.107	7/8
16	3PZ30-185	.149	.574/.579	.109	7/8
18	3PZ40-201	.152	.618/.623	.115	1
5/16	3PZ40-9	.164	.665/.670	.119	1
20	3PZ40-9	.164	.665/.670	.119	1
24	3PZ40-26	.201	.788/.793	.134	11/4
3/8	3PZ40-26	.201	.788/.793	.134	11/4
7/16	3PZ40-27	.224	.913/.918	.148	11/4
1/2	3PZ40-28	.246	1.038/1.043	.163	11/4



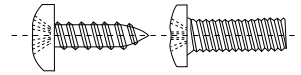
Recess Punches



Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	MACHINE & TAPPING SCREW	1A/POZIDRIV®			
		No.	Max Pen.Imp.		BOWL DIA.
2	1Z-130	.053	.190/.195	.040	7/16
3	1Z-140	.062	.215/.220	.045	7/16
4	1Z-150	.072	.241/.246	.049	7/16
5	2Z-200	.068	.264/.269	.053	7/16
6	2Z-210	.076	.280/.285	.055	7/16
7	2Z-220	.085	.317/.322	.064	9/16
8	2Z-230	.092	.346/.351	.072	9/16.
10	2Z-250	.108	.409/.414	.087	9/16
12	3Z-210	.117	.459/.464	.096	7/8
14	3Z-2260	.117	.459/.464	.098	7/8
1/4	3Z-220	.137	.519/.524	.105	7/8
16	3Z-1850	.149	.574/.579	.110	7/8
18	4Z-2010	.152	.618/.623	.115	1
5/16	4Z-90	.164	.665/.670	.118	1
20	4Z-90	.164	.665/.670	.118	1
24	4Z-260	.201	.788/.793	.134	11/4
3/8	4Z-260	.201	.788/.793	.134	11/4
7/16	4Z-270	.224	.913/.918	.149	11/4
1/2	4Z-280	.246	1.038/1.043	.163	11/4

Recess Punches

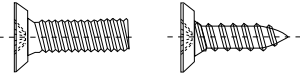


Pan Head

SCREW SIZE MACHINE & TAPPING SCREW	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV® No.	Max Pen.Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	1-130XV	1.07	4.83/4.95	1.02	7/16
3	1-140XV	1.19	5.46/5.58	1.14	7/16
4	1-151XV	1.49	6.12/6.24	1.24	7/16
5	2-201XV	1.47	6.70/6.82	1.35	7/16
6	2-210XV	1.65	7.11/7.23	1.40	7/16
7	2-220XV	1.95	8.05/8.17	1.62	9/16
8	2-230XV	2.01	8.79/8.91	1.83	9/16
10	2-253XV	2.79	11.00/11.12	2.20	9/16
12	3-210XV	2.80	11.66/11.78	2.44	7/8
14	-	-	-	-	7/8
1/4	3-220XV	3.22	13.18/13.30	2.67	7/8
16	-	-	-	-	7/8
18	-	-	-	-	1
5/16	4-90XV	4.01	16.89/17.01	3.00	1
20	-	-	-	-	1
24	-	-	-	-	1 1/4
3/8	4-260XV	4.86	20.02/20.14	3.38	1 1/4
7/16	-	-	-	-	1 1/4
1/2	4-280XV	5.82	26.36/26.48	4.11	1 1/4



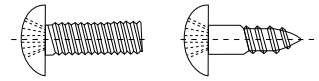
Recess Punches



82° Undercut Flat Head (Countersunk)

SCREW SIZE		PUNCH NUMBER						PUNCH BODY DIAMETER		
MACHINE AND METAL SCREW	TYPE A SCREW	PHILLIPS		1A/POZIDRIV [®] USA		1A/POZIDRIV [®]			SUPADRIV [®]	
		No.	Max Pen.Imp.	No.	Max Pen.Imp.	No.	Max Pen.Imp.	No.	Max Pen.Met.	
2	2	3P10-80	.049	3PZ10-80	.046	1Z-800	.046	1-801XV	0.78	7/16
3	3	3P10-1	.056	3PZ10-1	.053	1Z-10	.053	1-10XV	0.96	7/16
4	4	3P10-54	.071	3PZ10-54	.068	1Z-540	.068	1-540XV 1-541XV	1.32 1.44	7/16
5	5	3P10-3	.082	3PZ10-3	.079	1Z-30	.079	1-30XV	1.68	7/16
6	6	3P20-285	.067	3PZ20-285	.063	2Z-2850	.063	2-10XV	1.44	7/16
7	7	3P20-1	.075	3PZ20-1	.071	2Z-10	.071	2-35XV	1.68	7/16
8	8	3P20-2	.095	3PZ20-2	.091	2Z-11	.091	2-11XV	1.44	9/16 & 7/16
10	10	3P20-3	.110	3PZ20-3	.107	2Z-30	.107	2-30XV	2.22	9/16
12	12	3P30-166	.104	3PZ30-166	.100	3Z-1660	.100	3-1660XV	2.30	7/8
-	14	3P30-85	.119	3PZ30-85	.115	3Z-850	.115	-	-	7/8
1/4	-	3P30-85	.119	3PZ30-85	.115	3Z-850	.115	3-851XV	2.54	7/8
-	16	3P30-2	.139	3PZ30-2	.136	3Z-20	.136	-	-	7/8
-	18	3P40-79	.148	3PZ40-79	.145	4Z-790	.145	-	-	1
5/16	-	3P40-79	.148	3PZ40-79	.145	4Z-790	.145	4-790XV	3.34	1
3/8	-	3P40-4	.196	3PZ40-4	.193	4Z-40	.193	4-40XV	4.55	1
-	20	3P40-64	.166	3PZ40-64	.163	4Z-640	.163	-	-	1
7/16	-	3P40-2	.225	3PZ40-2	.222	4Z-20	.222	-	-	1 1/4
-	24	3P40-4	.196	3PZ40-4	.193	4Z-40	.193	-	-	1
1	-	3P40-5	.241	3PZ40-5	.238	4Z-50	.238	-	-	1 1/4

Recess Punches

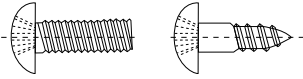


Round Head

SCREW SIZE		PUNCH NUMBER				PUNCH BODY DIAMETER
MACHINE AND TAPPING	CUT THREAD WOODSCREW	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	-	3P10-46	.046	.144/.149	.036	7/16
-	2	3P10-9	.057	.144/.149	.036	7/16
3	-	3P10-45	.055	.162/.167	.040	7/16
-	3	3P10-10	.066	.162/.167	.040	7/16
4	-	3P10-44	.065	.185/.190	.044	7/16
-	4	3P10-11	.076	.185/.190	.044	7/16
5	5	3P20-30	.063	.207/.212	.048	7/16
6	6	3P20-15	.073	.229/.234	.052	7/16
7	7	3P20-16	.081	.249/.254	.056	9/16
8	8	3P20-17	.090	.273/.278	.060	9/16
-	9	3P20-18	.099	.293/.298	.065	9/16
10	10	3P20-19	.108	.317/.322	.069	9/16
12	12	3P30-16	.108	.361/.366	.077	7/8
14	14	3P30-17	.125	.399/.404	.085	7/8
1/4	-	3P30-19	.130	.411/.416	.088	7/8
16	16	3P30-18	.142	.441/.446	.094	1
-	18	3P40-14	.156	.481/.486	.103	1
18	-	3P40-110	.147	.481/.486	.103	1
5/16	-	3P30-20	.170	.510/.515	.108	1
20	-	3P40-111	.163	.523/.528	.111	1
-	20	3P40-15	.174	.523/.528	.111	1 1/4
24	24	3P40-16	.208	.608/.613	.127	1 1/4
3/8	-	3P40-16	.208	.608/.613	.127	1 1/4
7/16	-	3P40-17	.221	.651/.656	.146	1 1/4
1/2	-	3P40-18	.236	.718/.723	.180	1 1/4



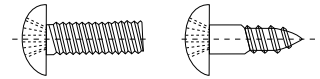
Recess Punches



Round Head

SCREW SIZE		PUNCH NUMBER				PUNCH BODY DIAMETER
MACHINE AND TAPPING	CUT THREAD WOODSCREW	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	-	-	-	-	-	7/16
-	2	-	-	-	-	7/16
3	-	-	-	-	-	7/16
-	3	-	-	-	-	7/16
4	-	3PZ10-44	.064	.185/.190	.044	7/16
-	4	-	-	-	-	7/16
5	5	3PZ20-30	.063	.207/.212	.048	7/16
6	6	3PZ20-15	.071	.229/.234	.052	7/16
7	7	3PZ20-16	.078	.249/.254	.056	9/16
8	8	3PZ20-17	.092	.273/.278	.060	9/16
-	9	-	-	-	-	9/16
10	10	3PZ20-19	.105	.317/.322	.069	9/16
12	12	3PZ30-16	.103	.361/.366	.077	7/8
14	14	3PZ30-17	.115	.399/.404	.085	7/8
1/4	-	3PZ30-19	.126	.411/.416	.088	7/8
16	16	3PZ30-18	.136	.441/.446	.094	1
-	18	-	-	-	-	1
18	-	-	-	-	-	1
5/16	-	3PZ30-20	.162	.510/.515	.108	1
20	-	-	-	-	-	1
-	20	-	-	-	-	1 1/4
24	24	-	-	-	-	1 1/4
3/8	-	-	-	-	-	1 1/4
7/16	-	-	-	-	-	1 1/4
1/2	-	-	-	-	-	1 1/4

Recess Punches

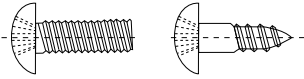


Round Head

SCREW SIZE		PUNCH NUMBER				PUNCH BODY DIAMETER
MACHINE AND TAPPING FINISHED HEAD SCREW	CUT THREAD WOODSCREW	1A/POZIDRIV® No.	Max Pen.Imp.	BOWL DIA.	THEORETICAL BOWL DEPTH	
2	-	-	-	-	-	7/16
-	2	-	-	-	-	7/16
3	-	-	-	-	-	7/16
-	3	-	-	-	-	7/16
4	-	1Z-440	.064	.185/.190	.044	7/16
-	4	-	-	-	-	7/16
5	5	2Z-300	.063	.207/.212	.048	7/16
6	6	2Z-150	.071	.229/.234	.052	7/16
7	7	2Z-160	.078	.249/.254	.056	9/16
8	8	2Z-170	.092	.273/.278	.060	9/16
-	9	-	-	-	-	9/16
10	10	2Z-190	.105	.317/.322	.069	9/16
12	12	3Z-160	.103	.361/.366	.077	7/8
14	14	3Z-170	.115	.399/.404	.085	7/8
1/4	-	3Z-190	.126	.411/.416	.088	7/8
16	16	3Z-180	.136	.441/.446	.094	1
-	18	-	-	-	-	1
18	-	-	-	-	-	1
5/16	-	3Z-200	.162	.510/.515	.108	1
20	-	-	-	-	-	1
-	20	-	-	-	-	1 1/4
24	24	-	-	-	-	1 1/4
3/8	-	-	-	-	-	1 1/4
7/16	-	-	-	-	-	1 1/4
1/2	-	-	-	-	-	1 1/4



Recess Punches



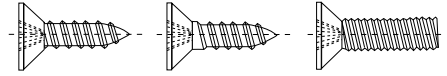
Round Head

SCREW SIZE		PUNCH NUMBER			PUNCH BODY DIAMETER	
MACHINE AND TAPPING	CUT THREAD WOODSCREW	SUPADRIV® No.	Max Pen.Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2	-	-	-	-	-	7/16
-	2	-	-	-	-	7/16
3	-	-	-	-	-	7/16
-	3	1-140XV	1.19	5.46/5.58	1.14	7/16
4	-	-	-	-	-	7/16
-	4	1-150XV	1.49	6.12/6.24	1.24	7/16
5	5	2-201XV	1.47	6.70/6.82	1.35	7/16
6	6	2-210XV	1.65	7.11/7.23	1.40	7/16
7	7	2-220XV	1.95	8.05/8.17	1.62	9/16
8	8	2-230XV	2.01	8.79/8.91	1.83	9/16
-	9	-	-	-	-	9/16
10	10	2-253XV	2.79	11.00/11.12	2.20	9/16
12	12	3-210XV	2.80	11.66/11.78	2.44	7/8
14	14	3-220XV	3.22	13.18/13.30	2.67	7/8
1/4	-	-	-	-	-	7/8
16	16	3-1850XV	3.46	14.58/14.70	2.77	1
-	18	-	-	-	-	1
18	-	-	-	-	-	1
5/16	-	-	-	-	-	1
20	-	-	-	-	-	1
-	20	-	-	-	-	1 1/4
24	24	-	-	-	-	1 1/4
3/8	-	-	-	-	-	1 1/4
7/16	-	-	-	-	-	1 1/4
1/2	-	-	-	-	-	1 1/4

Recess Punches

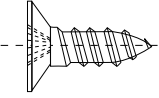


82° and 90° Flat head (Countersunk)



SCREW SIZE				PUNCH NUMBER						PUNCH BODY Diameter		
CUT THREAD WOODSCREW		MACHINE & METAL SCREW	SELF TAPPING TYPE A AND ROLLED WOODSCREW	PHILLIPS		1A/POZIDRIV® USA		1A/POZIDRIV®			SUPADRIV®	
82°	90°			No.	Max Pen.Imp.	No.	Max Pen.Imp.	No.	Max Pen.Imp.		No.	Max Pen.Met.
2	-	2	2	3P10-1	.056	3PZ10-1	.053	1Z-10	.053	1-10XV	0.96	7/16
3	3	3	3	3P10-2	.061	3PZ10-2	.058	1Z-20	.058	1-420XV	1.20	7/16
4	-	4	4	3P10-3	.082	3PZ10-3	.079	1Z-30	.079	1-30XV	1.68	7/16
-	4	-	-	-	-	-	-	1Z-540	.068	1-30XV	1.68	7/16
5	-	5	5	3P20-1	.075	3PZ20-1	.071	2Z-10	.071	2-10XV	1.44	7/16
-	5	-	-	-	-	-	-	2Z-2850	.063	2-10XV	1.44	7/16
6	6	6	6	3P20-2	.095	3PZ20-2	.091	2Z-11	.091	2-11XV	1.86	9/16 & 7/16
-	-	7	7	3P20-6	.103	3PZ20-6	.099	2Z-60	.099	2-5XV	2.10	9/16
-	7	-	-	-	-	-	-	2Z-11	.091	2-60XV	2.04	9/16
7	8	8	8	3P20-3	.110	3PZ20-3	.107	2Z-30	.107	2-30XV	2.22	9/16
-	9	-	-	-	-	-	-	2Z-30	.107	-	-	9/16
8	10	10	10	3P20-4	.125	3PZ20-4	.122	2Z-40	.122	2-40XV	2.70	9/16
9	-	-	-	3P20-5	.135	3PZ20-5	.132	2Z-50	.133	-	-	9/16
10	12	-	-	3P30-1	.129	3PZ30-1	.125	3Z-10	.125	3-11XV(12)	2.72	9/16 & 7/8
-	14	12	12	3P30-2	.139	3PZ30-2	.136	3Z-20	.136	3-20XV	3.14	7/8
12	-	1/4	14	3P30-3	.154	3PZ30-3	.151	3Z-30	.151	3-30XV	3.44	7/8
14	16	-	16	3P30-4	.174	3PZ30-4	.171	3Z-40	.171	3-40XV	4.05	7/8
16	-	-	-	3P30-5	.199	3PZ30-5	.196	3Z-50	.196	-	-	1
-	-	5/16	18	3P40-4	.196	3PZ40-4	.193	4Z-40	.193	4-40XV	4.55	1
18	-	-	20	3P40-1	.210	3PZ40-1	.206	4Z-10	.206	-	-	1
20	-	3/8	24	3P40-2	.225	3PZ40-2	.222	4Z-20	.222	4-20XV	5.33	1 1/4
-	-	7/16	-	3P40-5	.241	3PZ40-5	.238	4Z-50	.238	-	-	1 1/4
24	-	1/2	-	3P40-3	.256	3PZ40-3	.253	4Z-30	.253	4-30XV	6.24	1 1/4

Recess Punches



82° Flat Trim Head (Countersunk)

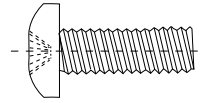
SCREW SIZE	HEAD SIZE	PUNCH NUMBER						PUNCH BODY DIAMETER
		PHILLIPS		1A/POZIDRIV® USA		1A/POZIDRIV®		
		No.	Max Pen.Imp.	No.	Max Pen.Imp.	No.	Max Pen.Imp.	
4	3	3P10-2	.061	3PZ10-2	.058	1Z-20	.058	7/16
5	4	3P10-3	.082	3PZ10-3	.079	1Z-30	.079	7/16
6	4	3P10-3	.082	3PZ10-3	.079	1Z-30	.079	7/16
6	5	3P20-1	.075	3PZ20-1	.071	2Z-10	.071	7/16
8	5	3P20-134	.085	3PZ20-134	.081	2Z-1340	.081	7/16
8	6	3P20-6	.103	3PZ20-6	.099	2Z-60	.099	9/16
10	8	3P20-3	.110	3PZ20-3	.107	2Z-30	.107	9/16
12	8	3P20-254	.120	3PZ20-254	.117	2Z-2540	.117	9/16
12	10	3P20-4	.125	3PZ20-4	.122	2Z-40	.122	9/16
1/4	10	3P20-4	.125	3PZ20-4	.122	2Z-40	.122	9/16
1/4	12	3P30-2	.139	3PZ30-2	.136	3Z-20	.136	7/8
5/16	12	3P30-2	.139	3PZ30-2	.136	3Z-20	.136	7/8
5/16	1/4	3P30-3	.154	3PZ30-3	.151	3Z-30	.151	7/8



100° Flat Head (Countersunk)

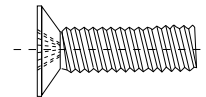
SCREW SIZE	PUNCH NUMBER						PUNCH BODY DIAMETER
	PHILLIPS		1A/POZIDRIV® USA		1A/POZIDRIV®		
	No.	Max Pen.Imp.	No.	Max Pen.Imp.	No.	Max Pen.Imp.	
2	3P10-80	.049	3PZ10-80	.046	1Z-800	.046	7/16
3	3P10-1	.056	3PZ10-1	.053	1Z-10	.053	7/16
4	3P10-54	.071	3PZ10-54	.068	1Z-540	.068	7/16
5	3P20-123	.063	-	-	-	-	7/16
6	3P20-1	.075	3PZ20-1	.071	2Z-10	.071	7/16
7	3P20-1	.075	3PZ20-1	.071	2Z-10	.071	7/16
8	3P20-135	.090	3PZ20-135	.086	2Z-1350	.086	9/16
9	3P20-2	.095	3PZ20-2	.091	2Z-11	.091	9/16 & 7/16
10	3P20-136	.105	3PZ20-136	.101	2Z-1360	.101	9/16
12	3P30-46	.114	-	-	-	-	7/8
14	3P30-93	.118	3PZ30-93	.115	3Z-930	.115	7/8
1/4	3P30-93	.118	3PZ30-93	.115	3Z-930	.115	7/8
16	3P30-2	.139	3PZ30-2	.136	3Z-20	.136	7/8
18	3P30-3	.154	3PZ30-3	.151	3Z-30	.151	7/8
5/16	3P40-79	.148	3PZ40-79	.145	4Z-790	.145	1
3/8	3P40-106	.173	3PZ40-106	.170	4Z-1060	.170	1

Recess Punches



Pan Head (I.F.I. Standard Metric 502 & 513 - 1982)

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.0	513-2.0-PH	1.200	3.87/3.99	0.69	7/16
2.2	513-2.0-PH	1.200	3.87/3.99	0.69	7/16
2.5	3P10-14	1.549	5.46/5.58	1.17	7/16
2.9	513-3.0-PH	1.800	5.48/5.60	0.86	7/16
3.0	513-3.0-PH	1.800	5.48/5.60	0.86	7/16
3.5	513-3.5-PH	1.900	6.87/6.99	0.97	7/16
4.0	513-4.0-PH	2.400	7.88/8.00	1.38	9/16
4.2	513-4.0-PH	2.400	7.88/8.00	1.38	9/16
4.8	513-5.0-PH	2.900	9.38/9.50	1.56	9/16
5.0	513-5.0-PH	2.900	9.38/9.50	1.56	9/16
5.5	-	-	-	-	7/8
6.0	513-6.0-PH	3.600	11.88/12.00	2.00	7/8
6.3	513-6.0-PH	3.600	11.88/12.00	2.00	7/8
8.0	513-8.0-PH	4.600	15.88/16.00	2.75	1
9.5	513-10.0-PH	5.800	19.88/20.00	3.51	1 1/4
10.0	513-10.0-PH	5.800	19.88/20.00	3.51	1 1/4

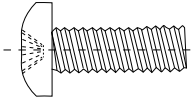


90° Flat Countersunk Head (I.F.I. Standard Metric 502 & 513 - 1982)

SCREW SIZE	PUNCH NUMBER						PUNCH BODY DIAMETER
	PHILLIPS		1A/POZIDRIV® USA		1A/POZIDRIV®		
	No.	Max Pen.Met.	No.	Max Pen.Met.	No.	Max Pen.Met.	
2.0	-	-	-	-	-	-	-
2.2	-	-	-	-	-	-	-
2.5	3P10-54	1.803	3PZ10-54	1.727	1Z-540	1.727	7/16
2.9	3P10-3	2.083	3PZ10-3	2.007	1Z-30	2.007	7/16
3.0	3P10-3	2.083	3PZ10-3	2.007	1Z-30	2.007	7/16
3.5	-	-	3PZ20-135	2.184	2Z-1350	2.184	9/16
4.0	3P20-6	2.616	3PZ20-6	2.515	2Z-60	2.515	9/16
4.2	3P20-6	2.616	3PZ20-6	2.515	2Z-60	2.515	9/16
4.8	3P20-4	3.175	3PZ20-4	3.099	2Z-40	3.099	9/16
5.0	3P20-4	3.175	3PZ20-4	3.099	2Z-40	3.099	9/16
5.5	-	-	-	-	-	-	-
6.3	3P30-2	3.531	3PZ30-2	3.454	3Z-20	3.454	7/8
9.5	3P40-2	5.715	3PZ40-2	5.639	4Z-20	5.639	1 1/4
10.0	3P40-2	5.715	3PZ40-2	5.639	4Z-20	5.639	1 1/4



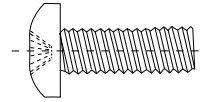
Recess Punches



Pan Head (I.F.I. Standard Metric 502 & 513 - 1982)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2.0	513-2.0-PZ	1.200	3.87/3.99	0.69	7/16
2.2	513-2.0-PZ	1.200	3.87/3.99	0.69	7/16
2.5	513-2.5-PZ	1.500	4.88/5.00	0.88	7/16
2.9	513-3.0-PZ	1.750	5.48/5.60	0.86	7/16
3.0	513-3.0-PZ	1.750	5.48/5.60	0.86	7/16
3.5	3PZ20-21	1.930	7.11/7.23	1.42	7/16
4.0	2Z-35	2.362	7.67/7.79	0.97	9/16
4.2	2Z-35	2.362	7.67/7.79	0.97	9/16
4.8	3PZ20-25	2.743	10.39/10.51	2.24	9/16
5.0	3PZ20-25	2.743	10.39/10.51	2.24	9/16
5.5	3PZ30-21	2.972	11.66/11.78	2.46	7/8
6.0	513-6.0-PZ	3.500	11.88/12.00	2.00	7/8
6.3	513-6.0-PZ	3.500	11.88/12.00	2.00	7/8
8.0	513-8.0-PZ	4.500	15.88/16.00	2.75	1
9.5	513-10.0-PZ	5.700	19.88/20.00	3.51	1 1/4
10.0	513-10.0-PZ	5.700	19.88/20.00	3.51	1 1/4

Recess Punches

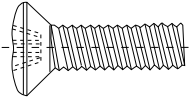


Pan Head (I.F.I. Standard Metric 502 & 513 - 1982)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® No.	Max Pen.Met.	BOWL DIA.		THEORETICAL BOWL DEPTH
2.0	513-2.0-PZ	1.200	3.87/3.99	0.69	7/16
2.2	513-2.0-PZ	1.200	3.87/3.99	0.69	7/16
2.5	513-2.5-PZ	1.500	4.88/5.00	0.88	7/16
2.9	513-3.0-PZ	1.750	5.48/5.60	0.86	7/16
3.0	513-3.0-PZ	1.750	5.48/5.60	0.86	7/16
3.5	2Z-210	1.930	7.11/7.23	1.40	7/16
4.0	2Z-35	2.362	7.67/7.79	0.97	9/16
4.2	2Z-35	2.362	7.67/7.79	0.97	9/16
4.8	2Z-250	2.743	10.39/10.51	2.21	9/16
5.0	2Z-250	2.743	10.39/10.51	2.21	9/16
5.5	3Z-210	2.972	13.18/13.30	2.44	7/8
6.0	513-6.0-PZ	3.500	11.88/12.00	2.00	7/8
6.3	513-6.0-PZ	3.500	11.88/12.00	2.00	7/8
8.0	513-8.0-PZ	4.500	15.88/16.00	2.75	1
9.5	513-10.0-PZ	5.700	19.88/20.00	3.51	1 1/4
10.0	513-10.0-PZ	5.700	19.88/20.00	3.51	1 1/4



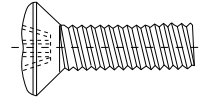
Recess Punches



90° Oval Countersunk Head (Raised Head) (I.F.I. Standard Metric 502 & 513 - 1976)

SCREW SIZE	PUNCH NUMBER			THEORETICAL BOWL DEPTH	PUNCH BODY DIAMETER
	PHILLIPS No.	Max Pen.Imp.	BOWL DIA.		
2.0	3P00-9	1.040	3.61/3.73	0.53	7/16
2.2	3P00-9	1.040	3.61/3.73	0.53	7/16
2.5	3P10-83	1.549	4.95/5.07	0.66	7/16
2.8	3P10-84	1.930	5.61/5.73	0.69	7/16
3.0	3P10-84	1.930	5.61/5.73	0.69	7/16
3.5	3P20-8	2.388	6.96/7.08	0.89	7/16
4.0	3P20-12	2.743	8.28/8.40	1.04	9/16
4.2	3P20-12	2.743	8.28/8.40	1.04	9/16
4.8	3P20-13	3.200	9.63/9.75	1.19	9/16
5.0	3P20-13	3.200	9.63/9.75	1.19	9/16
5.5	3P30-11	3.429	10.95/11.07	1.37	7/8
6.3	3P30-12	3.962	12.70/12.82	1.60	7/8
7.9	-	-	-	-	1
8.0	-	-	-	-	1
9.5	3P40-255	5.715	19.10/19.22	2.54	1
10.0	3P40-255	5.715	19.10/19.22	2.54	1
12.0	-	-	-	-	1 1/4

Recess Punches

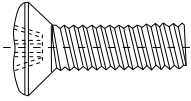


90° Oval Countersunk Head (Raised Head) (I.F.I. Standard Metric 502 & 513 - 1976)

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV® USA No.	Max Pen.Imp.	BOWL DIA.		
2.0	0Z-5	1.400	3.91/4.03	0.51	7/16
2.2	0Z-5	1.400	3.91/4.03	0.51	7/16
2.5	1Z-22	1.753	5.23/5.35	0.71	7/16
2.8	1Z-14	2.083	5.72/5.84	0.66	7/16
3.0	1Z-14	2.083	5.72/5.84	0.66	7/16
3.5	3PZ20-8	2.362	6.96/7.08	0.86	7/16
4.0	3PZ20-12	2.743	8.28/8.40	1.04	9/16
4.2	3PZ20-12	2.743	8.28/8.40	1.04	9/16
4.8	2Z-22	3.353	9.75/9.87	1.17	9/16
5.0	2Z-22	3.353	9.75/9.87	1.17	9/16
5.5	3PZ30-11	3.429	10.95/11.07	1.37	7/8
6.3	-	-	-	-	7/8
7.9	4Z-19	4.521	15.37/15.49	2.06	1
8.0	4Z-19	4.521	15.37/15.49	2.06	1
9.5	4Z-85	5.74	18.00/18.12	2.13	1
10.0	4Z-85	5.74	18.00/18.12	2.13	1
12.0	4Z-22	7.54	22.86/22.98	2.90	1 1/4



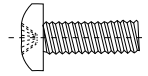
Recess Punches



90° Oval Countersunk Head (Raised Head) (I.F.I. Standard Metric 502 & 513 - 1976)

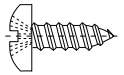
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	IA/POZIDRIV®	BOWL DIA.	THEORETICAL BOWL DEPTH		
	No. Max Pen.Met.				
2.0	0Z-5	1.400	3.91/4.03	0.51	7/16
2.2	0Z-5	1.400	3.91/4.03	0.51	7/16
2.5	1Z-22	1.753	5.23/5.35	0.71	7/16
2.8	1Z-14	2.083	5.72/5.84	0.66	7/16
3.0	1Z-14	2.083	5.72/5.84	0.66	7/16
3.5	2Z-80	2.362	6.96/7.08	0.86	7/16
4.0	2Z-120	2.743	8.28/8.40	1.04	9/16
4.2	2Z-120	2.743	8.28/8.40	1.04	9/16
4.8	2Z-22	3.353	9.75/9.87	1.17	9/16
5.0	2Z-22	3.353	9.75/9.87	1.17	9/16
5.5	3Z-110	3.429	10.95/11.07	1.37	7/8
6.3	-	-	-	-	7/8
7.9	4Z-19	4.521	15.37/15.49	2.06	1
8.0	4Z-19	4.521	15.37/15.49	2.06	1
9.5	4Z-85	5.740	18.00/18.12	2.13	1
10.0	4Z-85	5.740	18.00/18.12	2.13	1
12.0	4Z-22	7.540	22.86/22.98	2.90	1 1/4

Recess Punches



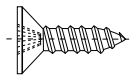
DIN 7981 Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Met.			
2.2	3P10-13	1.321	4.83/4.95	1.04	7/16
2.9	3P10-15	1.803	6.12/6.24	1.27	7/16
3.5	3P20-21	2.032	7.11/7.23	1.42	7/16
3.9	3P20-22	2.261	8.05/8.17	1.65	9/16
4.2	3P20-23	2.464	8.79/8.91	1.85	9/16
4.8	3P20-25	2.870	10.39/10.51	2.24	9/16
5.5	3P30-21	3.150	11.66/11.78	2.46	7/8
6.3	3P30-22	3.658	13.18/13.30	2.69	7/8
8.0	-	-	-	-	1
9.5	-	-	-	-	1 1/4



DIN 7981 Combination Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	PHILLIPS		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Met.			
2.2	3P10-154	1.321	4.83/4.95	1.04	7/16
2.9	3P10-156	1.803	6.12/6.24	1.27	7/16
3.5	3P20-552	2.032	7.11/7.23	1.42	7/16
3.9	3P20-553	2.261	8.05/8.17	1.65	9/16
4.2	3P20-554	2.464	8.79/8.91	1.85	9/16
4.8	3P20-555	2.870	10.39/10.51	2.24	9/16
5.5	3P30-236	3.150	11.66/11.78	2.46	7/8
6.3	3P30-237	3.658	13.18/13.30	2.69	7/8

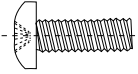


DIN 7982 80° Flat Countersunk Head

SCREW SIZE	PUNCH NUMBER					PUNCH BODY DIAMETER	
	PHILLIPS		1A/POZIDRIV [®]		SUPADRIV [®]		
	No.	Max Pen.Met.	No.	Max Pen.Met.	No. Max Pen.Met.		
2.2	7982-2.2	1.321	1Z-10	1.346	1-10XV	0.96	7/16
2.9	7982-2.9	1.702	1Z-540	1.727	1-30XV	1.68	7/16
3.5	7982-3.5	2.134	2Z-48	2.057	2-11XV	1.86	9/16
3.9	7982-3.9	2.540	2Z-11	2.311	2-5XV	2.10	9/16
4.2	3P20-6	2.616	2Z-60	2.515	2-30XV	2.22	9/16
4.8	3P20-540	3.124	2Z-40	3.099	2-40XV	2.70	9/16
5.5	3P30-2	3.531	3Z-11	3.175	3-11XV	2.72	7/8
6.3	3P30-3	3.912	3Z-30	3.835	3-30XV	3.44	7/8
8.0	-	-	-	-	4-40XV	4.55	1
9.5	-	-	-	-	4-10XV	5.15	1

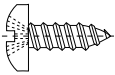


Recess Punches



DIN 7981 Pan Head

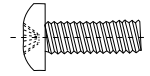
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen./Met.			
2.2	1Z-130	1.346	4.83/4.95	1.02	7/16
2.9	1Z-150	1.829	6.12/6.24	1.25	7/16
3.5	2Z-210	1.930	7.11/7.23	1.40	7/16
3.9	2Z-220	2.159	8.05/8.17	1.63	9/16
4.2	2Z-230	2.337	8.79/8.91	1.83	9/16
4.8	2Z-250	2.743	10.39/10.51	2.21	9/16
5.5	3Z-210	2.972	11.66/11.78	2.44	7/8
6.3	3Z-220	3.480	13.18/13.30	2.67	7/8
8.0	-	-	-	-	1
9.5	-	-	-	-	1 1/4



DIN 7981 Combination Pan Head

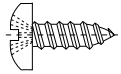
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen./Met.			
2.2	1Z-1540	1.321	4.83/4.95	1.02	7/16
2.9	1Z-1560	1.829	6.12/6.24	1.25	7/16
3.5	2Z-5520	1.930	7.11/7.23	1.40	7/16
3.9	2Z-5530	2.159	8.05/8.17	1.63	9/16
4.2	2Z-5540	2.337	8.79/8.91	1.83	9/16
4.8	2Z-5550	2.743	10.39/10.51	2.21	9/16
5.5	3Z-2360	2.972	11.66/11.78	2.49	7/8
6.3	3Z-2370	3.505	12.85/12.97	2.59	7/8

Recess Punches



DIN 7981 Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV*		BOWL DIA.		
	No.	Max Pen.Met.			
2.2	1-130XV	1.07	4.83/4.95	1.02	7/16
2.9	1-151XV	1.61	6.12/6.24	1.24	7/16
3.5	2-210XV	1.65	7.11/7.23	1.40	7/16
3.9	2-220XV	1.95	8.05/8.17	1.62	9/16
4.2	2-230XV	2.01	8.79/8.91	1.83	9/16
4.8	2-253XV	2.79	11.00/11.12	2.20	9/16
5.5	3-210XV	2.80	11.66/11.78	2.44	7/8
6.3	3-220XV	3.22	13.18/13.30	2.67	7/8
8.0	4-90XV	4.01	16.89/17.01	3.00	1
9.5	4-260XV	4.86	20.02/20.14	3.38	1 1/4

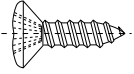


DIN 7981 Combination Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	SUPADRIV*		BOWL DIA.		
	No.	Max Pen.Met.			
2.2	-	-	-	-	7/16
2.9	1-5512XV	1.61	6.12/6.24	1.24	7/16
3.5	2-5520XV	1.65	7.11/7.23	1.40	7/16
3.9	2-5530XV	1.95	8.05/8.17	1.62	9/16
4.2	2-5540XV	2.01	8.79/8.91	1.83	9/16
4.8	2-5551XV	2.79	11.00/11.12	2.20	9/16
5.5	-	-	-	-	7/8
6.3	-	-	-	-	7/8

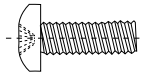


Recess Punches



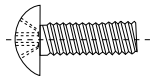
DIN 7983 80° Oval Countersunk Head (Raised Head)

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.2	7983-2.2	1.575	4.27/4.39	0.71	7/16
2.9	7983-2.9	2.210	5.49/5.61	0.89	7/16
3.5	7983-3.5	2.388	6.81/6.93	1.19	7/16
3.9	7983-3.9	2.540	7.49/7.61	1.30	9/16
4.2	7983-4.2	2.692	8.10/8.22	1.40	9/16
4.8	7983-4.8	3.200	9.50/9.62	1.50	9/16
5.5	7983-5.5	3.531	10.92/11.04	1.78	7/8
6.3	7983-6.3	3.962	12.40/12.52	2.01	7/8



DIN 7985 Fillister - Raised Cheese Head

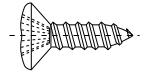
SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
1.6	7985-1.6	1.016	3.20/3.32	0.53	7/16
2.0	7985-2.0	1.397	3.99/4.11	0.53	7/16
2.5	7985-2.5	1.600	5.00/5.12	0.71	7/16
3.0	7985-3.0	2.007	5.99/6.11	0.79	7/16
3.5	7985-3.5	2.235	7.01/7.13	0.79	7/16
4.0	7985-4.0	2.540	8.00/8.12	1.09	9/16
5.0	7985-5.0	3.277	9.95/10.10	1.35	9/16
6.0	7985-6.0	3.531	11.99/12.11	1.60	7/8
8.0	7985-8.0	4.674	16.00/16.12	2.31	1
10.0	7985-10.0	5.867	19.99/20.11	2.69	1 1/4



DIN 7986 Round Head

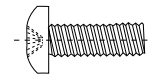
SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.6	7986-2.6	1.600	4.88/5.00	2.01	7/16
3.0	7986-3.0	2.007	5.87/5.99	2.41	7/16
3.5	7986-3.5	2.235	6.88/7.00	2.21	7/16
4.0	7986-4.0	2.540	7.87/7.99	3.10	9/16
5.0	7986-5.0	3.277	9.88/10.00	3.81	9/16
6.0	7986-6.0	3.962	11.86/11.98	4.60	7/8
8.0	7986-8.0	5.131	15.88/16.00	5.99	1
10.0	7986-10	6.655	19.86/19.98	7.49	1 1/4

Recess Punches



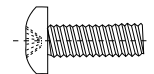
DIN 7983 80° Oval Countersunk Head (Raised Head)

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	1A/POZIDRIV®		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.2	7983-2.2PZ	1.350	4.27/4.39	0.71	7/16
2.9	1Z-13	2.083	5.49/5.61	0.66	7/16
3.5	7983-3.5PZ	2.340	6.81/6.93	1.19	7/16
3.9	2Z-17	2.464	7.37/7.49	0.91	9/16
4.2	7983-4.2PZ	2.720	8.10/8.22	1.40	9/16
4.8	7983-4.8PZ	3.150	9.50/9.62	1.50	9/16
5.5	7983-5.5PZ	3.380	10.92/11.04	1.78	7/8
6.3	7983-6.3PZ	3.860	12.40/12.52	1.60	7/8



DIN 7985 Fillister - Raised Cheese Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	1A/POZIDRIV® USA		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.0	1Z-11	1.346	4.09/4.21	0.51	7/16
2.5	1Z-21	1.524	4.72/4.84	0.58	7/16
3.0	1Z-23	1.930	5.74/5.86	0.74	7/16
3.5	2Z-47	2.108	6.73/6.85	0.89	7/16
4.0	2Z-35	2.362	7.67/7.79	0.97	9/16
5.0	2Z-37	3.099	9.65/9.77	1.25	9/16
6.0	3Z-70	3.505	11.99/12.11	1.60	7/8
8.0	7985-8.0PZ	4.520	16.00/16.12	2.31	1
10.0	7985-10.0PZ	5.690	19.86/19.98	2.79	1 1/4

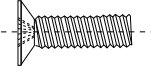


DIN 7985 Fillister - Raised Cheese Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	1A/POZIDRIV®		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.0	-	-	-	-	7/16
2.5	-	-	-	-	7/16
3.0	1-54XV	1.73	6.00/6.12	0.75	7/16
3.5	2-1XV	1.95	7.37/7.49	0.91	7/16
4.0	2-64XV	2.31	8.00/8.12	1.00	9/16
5.0	2-65XV	3.04	10.00/10.12	1.25	9/16
6.0	3-9XV	3.52	12.01/12.13	1.57	7/8
8.0	4-26XV	4.26	16.00/16.12	2.00	1
10.0	4-25XV	5.82	20.00/20.12	2.70	1 1/4



Recess Punches



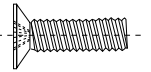
DIN 7987 90° Flat Countersunk Head

SCREW SIZE	PUNCH NUMBER		PUNCH BODY DIAMETER
	PHILLIPS		
	No.	Max Pen.Met.	
2.6	7987-2.6	1.320	7/16
3.0	7987-3.0	1.626	7/16
3.5	7987-3.5	1.981	7/16
4.0	7987-4.0	2.286	9/16
5.0	7987-5.0	2.794	9/16
6.0	7987-6.0	3.404	7/8
8.0	7987-8.0	4.623	1 1/4
10.0	7987-10	5.715	1 1/4



DIN 7988 90° Oval Countersunk Head (Raised Head)

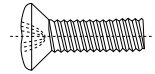
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®	BOWL DIA.	THEORETICAL BOWL DEPTH		
	No. Max Pen.Met.				
2.6	7988-2.6	1.549	5.00/5.12	0.41	7/16
3.0	7988-3.0	1.956	5.99/6.11	0.51	7/16
3.5	7988-3.5	2.235	7.01/7.13	0.61	7/16
4.0	7988-4.0	2.642	8.00/8.12	0.71	9/16
5.0	7988-5.0	3.353	10.01/10.13	0.89	9/16
6.0	7988-6.0	3.962	11.99/12.11	1.02	7/8
8.0	7988-8.0	5.283	16.00/16.12	1.30	1 1/4
10.0	7988-10	6.782	19.99/20.11	1.70	1 1/4



DIN 965 90° Flat Countersunk Head

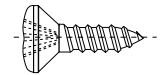
SCREW SIZE	PUNCH NUMBER					PUNCH BODY DIAMETER	
	PHILLIPS		1A/POZIDRIV®		SUPADRIV®		
	No.	Max Pen.Met.	No.	Max Pen.Met.	No.		Max Pen.Met.
2.0	3P10-80	1.245	1Z-800	1.168	0-4XV	1.30	7/16
2.5	3P10-2	1.549	1Z-20	1.473	1-540XV	1.32	7/16
3.0	3P10-54	1.803	1Z-540	1.727	1-30XV	1.68	7/16
3.5	3P20-1	1.905	2Z-10	1.803	2-35XV	1.68	7/16
4.0	3P20-2	2.413	2Z-48	2.057	2-60XV	2.04	9/16-7/16
5.0	3P20-6	2.616	2Z-60	2.515	2-38XV	2.52	9/16
6.0	965-6	3.302	3Z-850	2.921	3-850XV	2.66	7/8
8.0	3P40-106	4.394	4Z-1060	4.318	4-791XV	3.70	1
10.0	3P40-1	5.334	4Z-10	5.232	4-10XV	5.15	1

Recess Punches



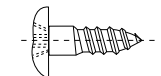
DIN 966 90° Oval-raised Countersunk Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.0	966-2.0	1.397	3.81/3.93	0.51	7/16
2.5	966-2.5	1.600	4.57/4.69	0.61	7/16
3.0	966-3.0	2.032	5.72/5.84	0.74	7/16
3.5	966-3.5	2.235	6.50/6.62	0.94	7/16
4.0	3P20-14	2.540	7.62/7.74	0.94	9/16
5.0	966-5.0	3.277	9.07/9.19	1.19	9/16
6.0	966-6.0	3.531	11.00/11.12	1.50	7/8
8.0	966-8.0	4.674	14.50/14.62	1.98	1
10.0	966-10.0	5.067	18.01/18.13	2.52	1



DIN 7995 90° Oval-raised Countersunk Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.5	7995-2.5	1.600	4.95/5.07	0.51	7/16
3.0	7995-3.0	2.007	5.84/5.96	0.76	7/16
3.5	7995-3.5	2.235	6.83/6.95	0.89	7/16
4.0	3P20-14	2.540	7.62/7.74	0.94	9/16
4.5	3P20-10	3.048	8.28/8.40	1.04	9/16
5.0	966-5.0	3.277	9.07/9.19	1.19	9/16
5.5	7995-5.5	3.810	10.62/10.74	1.40	7/8
6.0	7995-6.0	4.166	11.43/11.55	1.50	7/8
7.0	7995-7.0	5.029	12.93/13.05	1.75	1
8.0	966-8.0	4.674	14.50/14.62	1.98	1

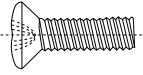


DIN 7996 Pan Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	PHILLIPS		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.5	7996-2.5	1.143	5.26/5.38	1.70	7/16
3.0	7996-3.0	1.600	6.25/6.37	2.11	7/16
3.5	7996-3.5	1.727	7.32/7.44	2.41	7/16
4.0	7996-4.0	2.134	8.13/8.25	2.34	9/16
4.5	7996-4.5	2.388	9.32/9.44	3.10	9/16
5.0	7996-5.0	2.769	9.88/10.00	3.50	9/16
5.5	7996-5.5	2.921	11.43/11.55	3.81	7/8
6.0	7996-6.0	3.327	12.42/12.54	4.19	7/8
7.0	7996-7.0	4.013	14.43/14.55	4.90	7/8
8.0	7996-8.0	4.419	16.43/16.55	5.61	1

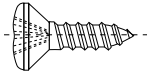


Recess Punches



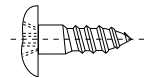
DIN 966 90° Oval-raised Countersunk Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Met.			
2.0	1Z-19	1.350	4.27/4.39	0.53	7/16
2.5	966-2.5PZ	1.750	4.57/4.69	0.61	7/16
3.0	1Z-14	2.083	5.72/5.84	0.66	7/16
3.5	2Z-16	2.388	6.93/7.05	0.84	7/16
4.0	2Z-18	2.720	7.87/7.99	1.02	9/16
5.0	966-5.0PZ	3.353	9.07/9.19	1.19	9/16
6.0	3Z-14	3.759	11.18/11.30	1.40	7/8
8.0	966-8.0PZ	4.521	14.50/14.62	1.98	1
10.0	966-10.0PZ	5.740	18.01/18.13	2.54	1



DIN 7995 90° Oval-raised Countersunk Head

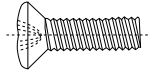
SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Met.			
2.5	1Z-22	1.753	5.23/5.35	0.71	7/16
3.0	1Z-14	2.083	5.72/5.84	0.66	7/16
3.5	2Z-16	2.388	6.93/7.05	0.84	7/16
4.0	2Z-18	2.720	7.87/7.99	1.02	9/16
4.5	2Z-100	3.073	8.41/8.53	1.88	9/16
5.0	966-5.0PZ	3.353	9.07/9.19	1.19	9/16
5.5	3Z-12	3.378	10.47/10.59	1.35	7/8
6.0	3Z-14	3.759	11.18/11.30	1.40	7/8
7.0	7995-7.0PZ	4.800	12.93/13.05	1.50	1
8.0	966-8.0PZ	4.521	14.50/14.62	1.98	1



DIN 7996 Pan Head

SCREW SIZE	PUNCH NUMBER			PUNCH BODY DIAMETER	
	1A/POZIDRIV®		BOWL DIA.		THEORETICAL BOWL DEPTH
	No.	Max Pen.Met.			
2.5	1Z-130	1.346	4.83/4.95	1.02	7/16
3.0	1Z-150	1.829	6.12/6.24	1.25	7/16
3.5	2Z-210	1.930	7.11/7.23	1.40	7/16
4.0	2Z-220	2.159	8.05/8.17	1.63	9/16
4.5	2Z-230	2.337	8.79/8.91	1.83	9/16
5.0	2Z-250	2.743	10.39/19.51	2.21	9/16
5.5	3Z-210	2.972	11.66/11.78	2.44	7/8
6.0	3Z-220	3.479	13.18/13.30	2.67	7/8
7.0	3Z-1850	3.785	14.60/14.72	2.79	7/8
8.0	4Z-90	4.166	16.89/17.01	3.00	1

Recess Punches



DIN 966 90° Oval-raised Countersunk Head

SCREW SIZE	PUNCH NUMBER				PUNCH BODY DIAMETER
	SUPADRIV®		BOWL DIA.	THEORETICAL BOWL DEPTH	
	No.	Max Pen.Met.			
2.0	0-5XV	1.47	3.91/4.03	0.51	7/16
2.5	1-22XV	1.61	5.23/5.35	0.71	7/16
3.0	1-14XV	1.85	5.72/5.84	0.66	7/16
3.5	2-16XV	2.13	6.93/7.05	0.84	7/16
4.0	2-18XV	2.43	7.87/7.99	1.02	9/16
5.0	2-22XV	3.04	9.75/9.87	1.17	9/16
6.0	3-14XV	3.40	11.18/11.30	1.40	7/8
8.0	4-19XV	4.44	15.37/15.49	2.06	1
10.0	4-85XV	5.46	18.00/18.12	2.13	1



Tooling International Ltd. Unit 8, Speedwell Trading Estate,
102 Kings Road Tyseley, Birmingham, England B11 2AT.

Tel: +44 (0) 121 771 0611 Fax: +44 (0) 121 773 6588
Web: www.tooling-international.co.uk Email: til@enterprise.net

**REG
ELLEN**
MACHINE TOOL CORP.

Phone: 815-964-0099

Fax: 815-964-0482

E-mail: sales@regellen.com

Web: www.regellen.com

