	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Trigger #	Pivot Hole Gage Pin Diameter	Pivot Hole Diameter		Distance Top Edge: Distance XY	Angle Datum C to Top: Angle	Distance Rear Edge: Distance XY	Angle Datum C Rear Edge: Angle	Distance Datum C to Pivot: Distance XY	Angle from Top to Rear Surface		Distance Top Edge: Distance XY	Angle Datum C to Top: Angle
2		Gage Pin			MV	MV	MV	MV	MV	MV		MV	MV
3			0.1260		1.045	91.0	0.050	5.0	0.050	86.0		1.0450	91.0
4			0.0005		0.001	0.4	0.001	0.4	0.004	0.4		0.0010	0.4
5			0.0005		0.001	0.4	0.001	0.4	0.004	0.4		0.0010	0.4
6	1	.1255+	0.1257		1.0457	90.775	***0.0474***	4.809	0.0503	85.966		**1.0461**	90.763
7	2	.1255+	0.1257		1.0458	90.649	***0.0465***	***4.590***	0.0481	86.060		**1.0462**	90.794
8	3	.1255+	0.1257		**1.0461**	90.875	***0.0447***	***4.593***	0.0490	86.282		1.0454	90.969
9	4	.1255+	0.1257		**1.0463**	90.814	***0.0473***	4.765	0.0497	86.049		**1.0466**	90.789
10	5	.1255+	0.1257		**1.0466**	90.667	***0.0477***	4.669	0.0480	85.998		1.0459	90.890
11	6	.1255+	0.1257		**1.0464**	90.696	***0.0417***	***4.308***	0.0476	86.388		**1.0466**	90.815
12	7	.1255+	0.1257		1.0456	90.809	***0.0463***	4.639	0.0487	86.170		1.0457	91.009
13	8	.1255+	0.1257		1.0457	90.695	***0.0405***	***4.329***	0.0491	86.365		**1.0462**	90.817
14	9	.1255+	0.1257		**1.0468**	90.885	***0.0486***	4.785	0.0492	86.100		**1.0465**	90.788
15	10	.1255+	0.1257		**1.0463**	90.860	***0.0461***	4.786	0.0505	86.073		**1.0462**	90.888
16	11	.1255+	0.1257		1.0458	90.828	***0.0451***	4.704	0.0503	86.124		1.0459	90.817
17	12	.1255+	0.1257		**1.0466**	90.705	***0.0477***	4.714	0.0487	85.991		1.0455	90.747
18	13	.1255+	0.1257		1.0460	90.871	***0.0452***	4.798	0.0512	86.073		1.0459	90.908
19	14	.1255+	0.1257		**1.0462**	90.866	***0.0465***	4.736	0.0501	86.130		1.0460	90.892
20	15	.1255+	0.1257		**1.0464**	90.748	***0.0432***	***4.499***	0.0489	86.249		1.0459	90.799
21	16	.1255+	0.1257		1.0457	90.670	***0.0431***	***4.569***	0.0496	86.101		1.0460	90.834
22	17	.1255+	0.1257		**1.0466**	***90.599***	***0.0480***	4.873	0.0506	85.727		**1.0460**	90.680
23	18	.1255+	0.1257		**1.0467**	90.900	***0.0484***	4.889	0.0508	86.010		**1.0461**	90.854
24	19	.1255+	0.1257		**1.0469**	90.826	***0.0463***	4.700	0.0498	86.126		**1.0464**	91.034
25	20												
26	21	.1255+	0.1257		**1.0461**	90.832	***0.0471***	4.680	0.0486	86.152		1.0458	90.904
27	22	.1255+	0.1257		**1.0465**	90.712	***0.0470***	4.666	0.0485	86.046		1.0456	90.807
28	23	.1255+	0.1257		**1.0463**	90.643	***0.0477***	4.760	0.0491	85.883		1.0453	90.747
29	24	.1255+	0.1257		**1.0464**	90.662	***0.0476***	4.687	0.0482	85.976		1.0460	90.700
30	25	.1255+	0.1257		**1.0461**	90.832	***0.0445***	4.602	0.0496	86.230		**1.0463**	90.934
31	26	.1255+	0.1257		**1.0468**	90.766	***0.0467***	4.716	0.0493	86.050		**1.0461**	90.805
32													
33	Average		0.1257		1.0462	90.7673	0.0460	4.6746	0.0493	86.0927		1.0460	90.8394
34	SD		0.0000		0.0004	0.0906	0.0021	0.1420	0.0010	0.1436		0.0003	0.0889
35	Max		0.1257		1.04689	90.8995	0.04855	4.8894	0.0512	86.3879		1.0466	91.0339
36	Min		0.1257		1.04559	90.5992	0.04047	4.3076	0.0476	85.7265		1.0453	90.6798
37	Range		0		0.0013	0.3003	0.00808	0.5818	0.0037	0.6614		0.0013	0.3541
38													
39													
40													
41					0.1259	0.00025	0.00005	0.00039	0.00007	1.04589	90.8095	0.04785	4.931

	N	O	P	Q	R	S	T	U	V	W	X
1	Distance Rear Edge: Distance XY	Angle Datum C Rear Edge: Angle	Distance Datum C to Pivot: Distance XY	Angle from Top to Rear Surface							
2	MV	MV	MV	MV							
3	0.050	5.0	0.050	86.0							
4	0.001	0.4	0.004	0.4							
5	0.001	0.4	0.004	0.4							
6	***0.0477***	4.846	0.0499	85.918							
7	***0.0463***	4.747	0.0499	86.047							
8	***0.0448***	4.698	0.0500	86.271							
9	0.0496	4.922	0.0496	85.867							
10	0.0492	5.003	0.0508	85.887							
11	***0.0440***	***4.556***	0.0494	86.259	trigger 6-4						
12	***0.0464***	4.835	0.0510	86.174							
13	***0.0472***	4.780	0.0493	86.037							
14	***0.0482***	4.807	0.0493	85.981							
15	***0.0465***	4.820	0.0504	86.068							
16	***0.0467***	4.791	0.0495	86.026							
17	***0.0484***	4.804	0.0490	85.942							
18	***0.0452***	4.800	0.0509	86.108							
19	***0.0473***	4.780	0.0496	86.112							
20	***0.0439***	***4.557***	0.0488	86.242							
21	***0.0425***	4.607	0.0501	86.227							
22	0.0493	4.900	0.0495	85.780							
23	**0.0565**	5.286	0.0493	***85.569***		1.04606	90.8522	0.05702	5.2934	0.04883	85.5588
24	**0.0525**	5.225	0.0514	85.809							
25											
26	**0.0514**	5.068	0.0501	85.837							
27	***0.0485***	4.836	0.0494	85.971							
28	***0.0476***	4.830	0.0496	85.917							
29	***0.0486***	4.771	0.0480	85.929							
30	***0.0461***	4.802	0.0509	86.132							
31	***0.0475***	4.802	0.0496	86.003		1.04641	90.7942	0.04721	4.8006	0.04989	85.9937
32											
33	0.0477	4.8349	0.0498	86.0045							
34	0.0029	0.1708	0.0008	0.1686							
35	0.05647	5.2856	0.0514	86.2711							
36	0.04249	4.5557	0.0480	85.5687							
37	0.01398	0.7299	0.0034	0.7024							
38											
39											
40											
41	0.05147	85.8786									

Cell: A25
Comment: MicroVu:
trigger 20 is missing

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Trigger #	Pivot Hole Gage Pin Diameter	Pivot Hole Diameter	Pivot Hole Diameter	Top Line Straightness	Top Line RMS Error	Rear Line Straightness	Rear Line RMS Error	Distance Top Edge: Distance XY	Angle Datum C to Top: Angle	Distance Rear Edge: Distance XY	Angle Datum C Rear Edge: Angle	Distance Datum C to Pivot: Distance XY
2		Gage Pin		MV	MV	MV	MV	MV	MV	MV	MV	MV	MV
3			0.1260	0.12600					1.04500	91.0000	0.05000	5.0000	0.05000
4			0.0005	0.00050					0.00100	0.3000	0.00100	0.4000	0.00400
5			0.0005	0.00050					0.00100	0.3000	0.00100	0.4000	0.00400
6	1	.1255+	0.1257	0.12589	0.00027	0.00005	0.00040	0.00007	1.04593	90.8097	***0.04786***	4.9301	0.05143
7	2	.1255+	0.1257	0.12589	0.00023	0.00003	0.00051	0.00012	1.04590	90.7280	***0.04538***	4.7031	0.05042
8	3	.1255+	0.1257	0.12594	0.00027	0.00007	0.00055	0.00011	1.04557	90.9122	***0.04430***	4.7364	0.05118
9	4	.1255+	0.1257	0.12578	0.00020	0.00004	0.00027	0.00006	1.04599	90.7965	***0.04715***	4.8257	0.05062
10	5	.1255+	0.1257	0.12576	0.00023	0.00004	0.00038	0.00008	1.04584	90.8000	***0.04794***	4.9328	0.05115
11	6	.1255+	0.1257	0.12587	0.00021	0.00003	0.00024	0.00005	1.04597	90.8700	***0.04513***	4.6183	0.04933
12	7	.1255+	0.1257	0.12581	0.00032	0.00007	0.00046	0.00007	1.04555	90.8163	***0.04686***	4.8434	0.05099
13	8	.1255+	0.1257	0.12580	0.00038	0.00009	0.00034	0.00006	1.04538	90.8420	***0.04372***	4.6164	0.05053
14	9	.1255+	0.1257	0.12577	0.00022	0.00006	0.00035	0.00008	1.04590	90.9215	***0.04804***	4.8849	0.05082
15	10	.1255+	0.1257	0.12593	0.00046	0.00009	0.00060	0.00015	1.04536	90.8845	***0.04609***	4.9232	0.05231
16	11	.1255+	0.1257	0.12583	0.00018	0.00004	0.00052	0.00011	1.04525	90.8869	***0.04519***	4.8452	0.05200
17	12	.1255+	0.1257	0.12589	0.00051	0.00011	0.00027	0.00006	1.04552	90.7165	***0.04763***	4.8100	0.05008
18	13	.1255+	0.1257	0.12588	0.00016	0.00003	0.00056	0.00010	1.04575	90.9753	***0.04495***	4.9254	0.05315
19	14	.1255+	0.1257	0.12576	0.00102	0.00020	0.00025	0.00006	1.04589	90.9722	***0.04549***	4.7708	0.05133
20	15	.1255+	0.1257	0.12586	0.00041	0.00007	0.00021	0.00006	1.04579	90.8077	***0.04394***	4.6929	0.05106
21	16	.1255+	0.1257	0.12592	0.00025	0.00005	0.00083	0.00014	1.04544	90.8261	***0.04472***	4.7411	0.05075
22	17	.1255+	0.1257	0.12591	0.00043	0.00009	0.00085	0.00017	1.04578	90.8543	***0.04898***	5.0360	0.05191
23	18	.1255+	0.1257	0.12601	0.00032	0.00006	0.00047	0.00006	1.04592	90.9722	0.04990	5.0251	0.05128
24	19	.1255+	0.1257	0.12593	0.00022	0.00004	0.00050	0.00009	1.04598	90.8719	***0.04616***	4.7922	0.05097
25	20												
26	21	.1255+	0.1257	0.12591	0.00017	0.00004	0.00033	0.00007	1.04510	90.8407	***0.04650***	4.7797	0.05044
27	22	.1255+	0.1257	0.12577	0.00019	0.00004	0.00021	0.00006	1.04573	90.7703	***0.04707***	4.8189	0.05069
28	23	.1255+	0.1257	0.12592	0.00062	0.00010	0.00020	0.00005	1.04565	90.7169	***0.04748***	4.8330	0.05040
29	24	.1255+	0.1257	0.12584	0.00033	0.00007	0.00063	0.00013	1.04584	90.7153	***0.04822***	4.8678	0.05010
30	25	.1255+	0.1257	0.12590	0.00025	0.00006	0.00039	0.00010	1.04572	90.8231	***0.04557***	4.7322	0.05053
31	26	.1255+	0.1257	0.12592	0.00021	0.00004	0.00017	0.00004	**1.04608**	90.8630	***0.04685***	4.8623	0.05111
32													
33	Average		0.1257	0.12587	0.00032	0.00006	0.00042	0.00009	1.04571	90.8397	0.04644	4.8219	0.05098
34	SD		0.0000	0.00007	0.00019	0.00004	0.00019	0.00003	0.00026	0.0769	0.00161	0.1085	0.00079
35	Max		0.1257	0.12601	0.00102	0.00020	0.00085	0.00017	1.04608	90.9753	0.04990	5.0360	0.05315
36	Min		0.1257	0.12576	0.00016	0.00003	0.00017	0.00004	1.04510	90.7153	0.04372	4.6164	0.04933
37	Range		0.0000	0.00025	0.00086	0.00017	0.00068	0.00013	0.00098	0.2600	0.00618	0.4196	0.00382

	N	O
1	Angle from Top to Rear Surface	Surface Roughness
2	MV	Surfometer
3	86.0000	16.0
4	0.4000	0.0
5	0.4000	16.0
6	85.8796	5.2
7	86.0248	5.5
8	86.1758	4.0
9	85.9708	3.9
10	85.8672	4.9
11	86.2517	5.5
12	85.9729	5.9
13	86.2256	7.4
14	86.0367	5.1
15	85.9614	4.3
16	86.0416	7.1
17	85.9064	5.2
18	86.0499	3.0
19	86.2014	6.1
20	86.1148	4.4
21	86.0850	4.6
22	85.8183	4.0
23	85.9471	5.0
24	86.0797	5.6
25		
26	86.0610	5.2
27	85.9514	3.5
28	85.8840	5.6
29	85.8475	8.0
30	86.0909	4.0
31	86.0007	5.4
32		
33	86.0178	5.1
34	0.1193	1.185
35	86.2517	8.0
36	85.8183	3.0
37	0.4334	5.0

Cell: A25
Comment: MicroVu:
trigger 20 is missing

	A	B	C	D	E	F	G	H	I	J	K
1		301463 2-23 pm.iwp						data file		301463 I give up.iwp	
2		1.04500	91.0000	0.05000	5.0000	0.05000	86.0000			1.04500	91.0000
3											
4											
5	1	1.04690	90.4367	0.04742	4.5761	0.04672	85.8605	T1-1 R&R		1.04653	90.8280
6	2	1.04690	90.4166	0.04838	4.6160	0.04649	85.8006	T1-2 R&R		1.04643	90.8109
7	3	1.04688	90.4589	0.04863	4.6286	0.04653	85.8304	T1-3 R&R		1.04656	90.8143
8	4	1.04688	90.3788	0.04844	4.6138	0.04646	85.7650	T1-4 R&R		1.04648	90.8750
9	5	1.04681	90.4016	0.04824	4.6072	0.04648	85.7944	T1-5 R&R		1.04666	90.8317
10	6	1.04690	90.4912	0.04764	4.6328	0.04733	85.8585	T1-6 R&R		1.04636	90.8557
11	7	1.04690	90.4314	0.04948	4.7104	0.04688	85.7211	T1-7 R&R		1.04640	90.8494
12	8	1.04683	90.5084	0.04749	4.5991	0.04700	85.9093	T1-8 R&R		1.04620	90.8452
13	9	1.04664	90.5057	0.04782	4.6229	0.04701	85.8828	T1-9 R&R		1.04648	90.8480
14	10	1.04670	90.3781	0.04973	4.7031	0.04664	85.6749	T1-10 R&R		1.04648	90.8513
15											
16	Avg.	1.04683	90.44074	0.04833	4.63100	0.04675	85.80975			1.04646	90.8410
17	SD	0.00009	0.04905	0.00079	0.04307	0.00029	0.07378			0.00012	0.0197
18	MAX	1.04690	90.50840	0.04973	4.71040	0.04733	85.90930			1.04666	90.8750
19	MIN	1.04664	90.37810	0.04742	4.57610	0.04646	85.67490			1.04620	90.8109
20	Range	0.00026	0.13030	0.00231	0.13430	0.00087	0.23440			0.00046	0.0641
21											
22										0.00038	-0.40021
23										-0.00003	0.02936
24										0.00024	-0.36660
25										0.00044	-0.43280
26										-0.00020	0.06620

	L	M	N	O	P	Q	R	S	T	U	V
1					data file		301463 I give up imp.iwp				
2	0.05000	5.0000	0.05000	86.0000			1.04500	91.0000	0.05000	5.0000	0.05000
3											
4											
5	0.04692	4.7933	0.05056	86.0348	T1-1-2 R&R		1.04589	90.8506	0.04716	4.8098	0.05048
6	0.04683	4.7733	0.05036	86.0377	T1-2-2 R&R		1.04581	90.8451	0.04696	4.8068	0.05066
7	0.04669	4.7685	0.05046	86.0458	T1-3-2 R&R		1.04599	90.8549	0.04728	4.8190	0.05054
8	0.04722	4.8392	0.05091	86.0358	T1-4-2 R&R		1.04597	90.8413	0.04723	4.8093	0.05044
9	0.04699	4.7973	0.05053	86.0344	T1-5-2 R&R		1.04598	90.8116	0.04728	4.7730	0.04980
10	0.04698	4.8217	0.05088	86.0340	T1-6-2 R&R		1.04601	90.8051	0.04729	4.7716	0.04981
11	0.04720	4.8236	0.05070	86.0258	T1-7-2 R&R		1.04635	90.8230	0.04698	4.7933	0.05047
12	0.04698	4.8197	0.05088	86.0255	T1-8-2 R&R		1.04629	90.8257	0.04753	4.7894	0.04981
13	0.04713	4.8158	0.05066	86.0321	T1-9-2 R&R		1.04608	90.8355	0.04727	4.7951	0.05016
14	0.04717	4.8202	0.05070	86.0311	T1-10-2 R&R		1.04595	90.8374	0.04727	4.7960	0.05015
15											
16	0.04701	4.8073	0.05066	86.0337			1.04596	90.83519	0.04722	4.79758	0.05026
17	0.00017	0.0232	0.00019	0.0058			0.00008	0.01784	0.00011	0.01740	0.00033
18	0.04722	4.8392	0.05091	86.0458			1.04608	90.85490	0.04729	4.81900	0.05066
19	0.04669	4.7685	0.05036	86.0255			1.04581	90.80510	0.04696	4.77160	0.04980
20	0.00053	0.0707	0.00055	0.0203			0.00027	0.0498	0.00033	0.0474	0.00086
21											
22	0.00132	-0.17626	-0.00391	-0.22395			0.00050	0.00576	-0.00021	0.00969	0.00041
23	0.00062	0.01988	0.00010	0.06793			0.00004	0.00185	0.00006	0.00580	-0.00014
24	0.00251	-0.12880	-0.00358	-0.13650			0.00058	0.02010	-0.00007	0.02020	0.00025
25	0.00073	-0.19240	-0.00390	-0.35060			0.00039	0.00580	-0.00027	-0.00310	0.00056
26	0.00178	0.06360	0.00032	0.21410			0.00019	0.01430	0.00020	0.02330	-0.00031

	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1		data file		301463 I give up imp-2.iwp						data file
2	86.0000			1.04500	91.0000	0.05000	5.0000	0.05000	86.0000	
3				0.00100	0.2000	0.00100	0.2000	0.00400	0.2000	
4				0.00100	0.2000	0.00100	0.2000	0.00400	0.2000	
5	86.0408	T1-1-3 R&R		1.04599	90.81860	***0.04790***	4.93470	0.05145	85.88390	T1-1-4 R&R
6	86.0383	T1-2-3 R&R		1.04586	90.81240	***0.04779***	4.92920	0.05147	85.88310	T1-2-4 R&R
7	86.0358	T1-3-3 R&R		1.04588	90.81490	***0.04788***	4.93770	0.05150	85.87720	T1-3-4 R&R
8	86.0320	T1-4-3 R&R		1.04598	90.81620	***0.04803***	4.93780	0.05141	85.87840	T1-4-4 R&R
9	86.0385	T1-5-3 R&R		1.04590	90.80710	***0.04785***	4.92370	0.05137	85.88330	T1-5-4 R&R
10	86.0335	T1-6-3 R&R		1.04588	90.81230	***0.04783***	4.92910	0.05143	85.88320	T1-6-4 R&R
11	86.0297	T1-7-3 R&R		1.04589	90.80970	***0.04789***	4.93280	0.05148	85.87690	T1-7-4 R&R
12	86.0364	T1-8-3 R&R		1.04590	90.81630	***0.04788***	4.93670	0.05153	85.87950	T1-8-4 R&R
13	86.0404	T1-9-3 R&R		1.04588	90.81510	***0.04781***	4.93450	0.05154	85.88060	T1-9-4 R&R
14	86.0414	T1-10-3 R&R		1.04589	90.80950	***0.04785***	4.93100	0.05147	85.87860	T1-10-4 R&R
15										
16	86.03759			1.04591	90.8133	0.04787	4.9322	0.05146	85.8810	
17	0.00349			0.00005	0.0037	0.00007	0.0049	0.00005	0.0027	
18	86.04140			1.04599	90.8186	0.04803	4.9378	0.05154	85.8839	
19	86.03200			1.04586	90.8071	0.04779	4.9237	0.05137	85.8772	
20	0.0094			0.00013	0.0115	0.00024	0.0141	0.00017	0.0067	
21										
22	-0.00389			0.00005	0.02193	-0.00065	-0.13464	-0.00120	0.15655	
23	0.00236			0.00003	0.01412	0.00004	0.01253	0.00028	0.00082	
24	0.00440			0.00009	0.03630	-0.00074	-0.11880	-0.00088	0.15750	
25	-0.00650			-0.00005	-0.00200	-0.00083	-0.15210	-0.00157	0.15480	
26	0.01090			0.00014	0.03830	0.00009	0.03330	0.00069	0.00270	

Cell: R1
Comment: MicroVu:
improved establishment of datum B in program

Cell: Z1
Comment: MicroVu:
improved establishment of datum B in program by taking data points in profile

Cell: X11
Comment: MicroVu:
noted poorer capture of datum B

Cell: R16
Comment: MicroVu:
statistics omit two runs of data due to known problems with their acquisition