

WEDGE/ROLLER COMBINATIONS FOR 151/152

WEDGE	ROLLER Ø	SPRING	FCD MIN	FCD MAX
NARROW	0.625	Red/short	2.372	2.672
NARROW	0.688	Red/short	2.341	2.636
NARROW	0.750	Yellow/medium	2.310	2.601
NARROW	0.813	Yellow/medium	2.279	2.556
NARROW	0.875	Yellow/medium	2.248	2.531
MEDIUM	0.625	Yellow/medium	2.205	2.490
MEDIUM	0.688	Yellow/medium	2.175	2.456
MEDIUM	0.750	Green/long	2.144	2.422
MEDIUM	0.813	Green/long	2.114	2.388
MEDIUM	0.875	Green/long	2.084	2.354
LARGE	0.625	Green/long	2.046	2.320
LARGE	0.688	Green/long	2.016	2.286
LARGE	0.750	Green/long	1.986	2.254
LARGE	0.813	Green/long	1.956	2.220
LARGE	0.875	Green/long	1.927	2.188
X-LARGE	0.625	Green/long	1.897	2.158
X-LARGE	0.688	Green/long	1.867	2.125
X-LARGE	0.750	Green/long	1.838	2.093
X-LARGE	0.813	Green/long	1.808	2.061
X-LARGE	0.875	Green/long	1.779	2.030
AUXILIARY	0.625	Green/long	1.790	2.063
AUXILIARY	0.688	Green/long	1.761	2.031
AUXILIARY	0.750	Green/long	1.732	2.000

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size	TPI	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet
#6	- 32	0.116	17	1.802	0.515	X-LARGE	0.750	Green/long	0.942
#6	- 40	0.120	16	1.826	0.515	X-LARGE	0.688	Green/long	0.973
#8	- 32	0.142	13	1.743	0.499	X-LARGE	0.813	Green/long	0.909
#8	- 36	0.144	13	1.788	0.502	X-LARGE	0.750	Green/long	0.958
#10	- 24	0.161	12	1.801	0.495	X-LARGE	0.688	Green/long	0.980
#10	- 28	0.164	11	1.702	0.487	AUXILIARY	0.688	Green/long	0.888
#10	- 32	0.168	11	1.761	0.490	X-LARGE	0.750	Green/long	0.953
#10	- 36	0.169	11	1.789	0.491	X-LARGE	0.688	Green/long	0.984
#10	- 40	0.171	11	1.817	0.492	LARGE	0.875	Green/long	1.015
#10	- 48	0.174	10	1.693	0.482	X-LARGE	0.875	Green/long	0.897
#10	- 56	0.176	10	1.722	0.484	X-LARGE	0.813	Green/long	0.929
#12	- 24	0.188	10	1.761	0.480	X-LARGE	0.750	Green/long	0.966
#12	- 28	0.191	10	1.818	0.483	LARGE	0.875	Green/long	1.030
#12	- 32	0.194	9	1.675	0.472	X-LARGE	0.875	Green/long	0.893
#12	- 36	0.195	9	1.698	0.474	X-LARGE	0.813	Green/long	0.919
#12	- 40	0.197	9	1.721	0.475	X-LARGE	0.750	Green/long	0.945
#12	- 48	0.200	9	1.758	0.476	X-LARGE	0.688	Green/long	0.988
#12	- 56	0.202	9	1.784	0.477	LARGE	0.875	Green/long	1.017
1/4	- 20	0.216	9	1.819	0.471	X-LARGE	0.625	Green/long	1.048
1/4	- 24	0.220	8	1.672	0.460	X-LARGE	0.813	Green/long	0.910
1/4	- 27	0.223	8	1.708	0.462	X-LARGE	0.750	Green/long	0.952
1/4	- 28	0.225	8	1.727	0.462	X-LARGE	0.688	Green/long	0.973
1/4	- 32	0.228	8	1.761	0.463	LARGE	0.875	Green/long	1.013
1/4	- 36	0.229	8	1.781	0.464	X-LARGE	0.625	Green/long	1.036
1/4	- 40	0.231	8	1.801	0.464	LARGE	0.813	Green/long	1.059
1/4	- 48	0.234	8	1.834	0.464	LARGE	0.750	Green/long	1.098
1/4	- 56	0.236	7	1.625	0.451	X-LARGE	0.875	Green/long	0.892
5/16	- 18	0.274	7	1.815	0.444	LARGE	0.750	Green/long	1.099
5/16	- 20	0.278	7	1.852	0.444	LARGE	0.688	Green/long	1.143
5/16	- 24	0.283	6	1.636	0.431	X-LARGE	0.813	Green/long	0.937
5/16	- 27	0.285	6	1.656	0.432	X-LARGE	0.750	Green/long	0.962
5/16	- 28	0.287	6	1.670	0.432	X-LARGE	0.688	Green/long	0.979
5/16	- 32	0.290	6	1.696	0.432	LARGE	0.875	Green/long	1.010
5/16	- 36	0.292	6	1.711	0.432	LARGE	0.875	Green/long	1.029
5/16	- 40	0.293	6	1.727	0.433	X-LARGE	0.625	Green/long	1.048
5/16	- 48	0.296	6	1.751	0.433	LARGE	0.813	Green/long	1.077
3/8	- 16	0.332	5	1.576	0.405	X-LARGE	0.813	Green/long	0.914
3/8	- 18	0.336	5	1.603	0.405	X-LARGE	0.750	Green/long	0.949
3/8	- 20	0.340	5	1.636	0.406	X-LARGE	0.688	Green/long	0.990
3/8	- 24	0.346	5	1.676	0.406	X-LARGE	0.625	Green/long	1.040
3/8	- 27	0.348	5	1.692	0.406	LARGE	0.813	Green/long	1.060
3/8	- 28	0.350	5	1.703	0.405	LARGE	0.813	Green/long	1.074
3/8	- 32	0.353	5	1.726	0.405	LARGE	0.750	Green/long	1.103

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size	TPI	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet
3/8	- 36	0.354	5	1.738	0.405	LARGE	0.688	Green/long	1.118
3/8	- 40	0.356	5	1.751	0.405	LARGE	0.688	Green/long	1.134
7/16	- 14	0.389	5	1.846	0.390	MEDIUM	0.813	Green/long	1.236
7/16	- 16	0.395	4	1.511	0.373	X-LARGE	0.813	Green/long	0.912
7/16	- 18	0.398	4	1.532	0.374	X-LARGE	0.750	Green/long	0.940
7/16	- 20	0.403	4	1.558	0.374	X-LARGE	0.688	Green/long	0.974
7/16	- 24	0.407	4	1.586	0.374	LARGE	0.875	Green/long	1.011
7/16	- 27	0.410	4	1.604	0.374	X-LARGE	0.625	Green/long	1.035
7/16	- 28	0.412	4	1.613	0.373	X-LARGE	0.625	Green/long	1.047
7/16	- 32	0.415	4	1.631	0.373	LARGE	0.813	Green/long	1.070
1/2	- 12	0.444	4	1.681	0.360	LARGE	0.688	Green/long	1.119
1/2	- 13	0.448	4	1.705	0.359	LARGE	0.625	Green/long	1.151
1/2	- 14	0.450	4	1.721	0.359	LARGE	0.625	Green/long	1.172
1/2	- 16	0.457	4	1.761	0.356	MEDIUM	0.813	Green/long	1.224
1/2	- 18	0.461	4	1.781	0.354	MEDIUM	0.750	Green/long	1.252
1/2	- 20	0.466	4	1.808	0.352	MEDIUM	0.688	Yellow/medium	1.287
1/2	- 24	0.470	4	1.836	0.350	MEDIUM	0.625	Yellow/medium	1.324
1/2	- 27	0.473	3	1.391	0.332	AUXILIARY	0.688	Green/long	0.884
1/2	- 28	0.475	3	1.397	0.332	X-LARGE	0.875	Green/long	0.893
1/2	- 32	0.478	3	1.410	0.332	X-LARGE	0.813	Green/long	0.912
9/16	- 12	0.506	3	1.448	0.320	X-LARGE	0.750	Green/long	0.948
9/16	- 14	0.513	3	1.478	0.320	X-LARGE	0.688	Green/long	0.991
9/16	- 16	0.520	3	1.508	0.318	LARGE	0.875	Green/long	1.032
9/16	- 18	0.524	3	1.528	0.318	LARGE	0.813	Green/long	1.062
9/16	- 20	0.528	3	1.544	0.317	LARGE	0.813	Green/long	1.085
9/16	- 24	0.533	3	1.568	0.316	LARGE	0.688	Green/long	1.119
9/16	- 27	0.535	3	1.578	0.315	LARGE	0.688	Green/long	1.134
9/16	- 28	0.537	3	1.586	0.314	LARGE	0.688	Green/long	1.145
9/16	- 32	0.540	3	1.598	0.313	LARGE	0.625	Green/long	1.162
5/8	- 11	0.564	3	1.619	0.302	LARGE	0.625	Green/long	1.172
5/8	- 12	0.569	3	1.637	0.300	MEDIUM	0.875	Green/long	1.200
5/8	- 14	0.575	3	1.665	0.297	MEDIUM	0.813	Green/long	1.241
5/8	- 16	0.582	3	1.695	0.294	MEDIUM	0.688	Yellow/medium	1.283
5/8	- 18	0.587	3	1.716	0.292	MEDIUM	0.625	Yellow/medium	1.313
5/8	- 20	0.590	3	1.731	0.290	MEDIUM	0.625	Yellow/medium	1.335
5/8	- 24	0.596	3	1.755	0.286	NARROW	0.875	Yellow/medium	1.369
5/8	- 27	0.598	3	1.765	0.285	NARROW	0.813	Yellow/medium	1.383
5/8	- 28	0.600	3	1.773	0.284	NARROW	0.813	Yellow/medium	1.394
5/8	- 32	0.603	3	1.785	0.282	NARROW	0.750	Yellow/medium	1.412
11/16	- 12	0.631	3	1.824	0.267	NARROW	0.688	Red/short	1.449
11/16	- 16	0.645	2	1.255	0.248	X-LARGE	0.875	Green/long	0.906
11/16	- 20	0.653	2	1.279	0.247	X-LARGE	0.750	Green/long	0.945
11/16	- 24	0.658	2	1.295	0.246	X-LARGE	0.688	Green/long	0.971
11/16	- 28	0.662	2	1.307	0.245	X-LARGE	0.688	Green/long	0.991

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size - TPI	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet	
11/16 - 32	0.665	2	1.315	0.244	LARGE	0.875	Green/long	1.004	
3/4 - 10	0.683	2	1.309	0.234	X-LARGE	0.688	Green/long	0.976	
3/4 - 12	0.694	2	1.341	0.231	LARGE	0.875	Green/long	1.029	
3/4 - 14	0.700	2	1.360	0.230	LARGE	0.813	Green/long	1.061	
3/4 - 16	0.707	2	1.380	0.228	LARGE	0.750	Green/long	1.093	
3/4 - 18	0.710	2	1.394	0.227	LARGE	0.750	Green/long	1.114	
3/4 - 20	0.716	2	1.404	0.225	LARGE	0.688	Green/long	1.133	
3/4 - 24	0.720	2	1.419	0.223	LARGE	0.625	Green/long	1.157	
3/4 - 27	0.723	2	1.427	0.222	LARGE	0.625	Green/long	1.170	
3/4 - 28	0.725	2	1.432	0.221	LARGE	0.625	Green/long	1.178	
3/4 - 32	0.727	2	1.440	0.221	MEDIUM	0.875	Green/long	1.192	
13/16 - 12	0.757	2	1.466	0.206	MEDIUM	0.813	Green/long	1.216	
13/16 - 16	0.770	2	1.505	0.200	MEDIUM	0.688	Yellow/medium	1.281	
13/16 - 20	0.778	2	1.529	0.196	MEDIUM	0.625	Yellow/medium	1.320	
13/16 - 28	0.788	2	1.557	0.191	NARROW	0.875	Yellow/medium	1.366	
13/16 - 32	0.790	2	1.565	0.189	NARROW	0.813	Yellow/medium	1.379	
7/8 - 10	0.806	2	1.555	0.182	MEDIUM	0.625	Yellow/medium	1.346	
7/8 - 12	0.819	2	1.591	0.174	NARROW	0.813	Yellow/medium	1.404	
7/8 - 14	0.827	2	1.615	0.169	NARROW	0.688	Red/short	1.442	
7/8 - 16	0.832	2	1.631	0.166	NARROW	0.688	Red/short	1.469	
7/8 - 18	0.836	2	1.644	0.163	NARROW	0.625	Red/short	1.489	
7/8 - 20	0.841	2	1.654	0.160	NARROW	0.625	Red/short	1.508	
7/8 - 24	0.845	2	1.668	0.157	NARROW	0.625	Red/short	1.531	
7/8 - 27	0.848	2	1.677	0.155	NARROW	0.625	Red/short	1.545	
7/8 - 28	0.850	2	1.682	0.153	NARROW	0.625	Red/short	1.553	
7/8 - 32	0.853	2	1.690	0.151	NARROW	0.625	Red/short	1.567	

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Stock Clearance Away From Collet
0.842
0.873
0.809
0.858
0.880
0.788
0.853
0.884
0.915
0.797
0.829
0.866
0.930
0.793
0.819
0.845
0.888
0.917
0.948
0.810
0.852
0.873
0.913
0.936
0.959
0.998
0.792
0.999
1.043
0.837
0.862
0.879
0.910
0.929
0.948
0.977
0.814
0.849
0.890
0.940
0.960
0.974
1.003

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Stock Clearance Away From Collet
1.018
1.034
1.136
0.812
0.840
0.874
0.911
0.935
0.947
0.970
1.019
1.051
1.072
1.124
1.152
1.187
1.224
0.784
0.793
0.812
0.848
0.891
0.932
0.962
0.985
1.019
1.034
1.045
1.062
1.072
1.100
1.141
1.183
1.213
1.235
1.269
1.283
1.294
1.312
1.349
0.806
0.845
0.871
0.891

C. J. Winter Machine Works, Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
UN,UNC,UNF,UNEF,UNS THREAD SIZES

Stock Clearance Away From Collet
0.904
0.876
0.929
0.961
0.993
1.014
1.033
1.057
1.070
1.078
1.092
1.116
1.181
1.220
1.266
1.279
1.246
1.304
1.342
1.369
1.389
1.408
1.431
1.445
1.453
1.467

C.J. Winter Machine Works Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
NPT, NPTF TAPERED PIPE THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size	Pitch	Blank Diameter at "Y"	# of Starts	OD Large End	Gage Setting at "Y"	Wedge	Roller	Spring	Stock Clearance Towards Collet
1/16	- 27	0.279	6	1.615	0.430	X-LARGE	0.875	Green/long	0.892
1/8	- 27	0.372	5	1.808	0.398	LARGE	0.625	Green/long	1.178
1/4	- 18	0.489	4	1.875	0.340	MEDIUM	0.625	Yellow/medium	1.343
3/8	- 18	0.625	3	1.836	0.270	NARROW	0.750	Yellow/medium	1.440
1/2	- 14	0.774	2	1.523	0.198	MEDIUM	0.750	Green/long	1.258

REFERENCE DATA SHEETS 151/152
BSPT TAPERED PIPE THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size	Pitch	Blank Diameter at "Y"	# of Starts	OD Large End	Gage Setting at "Y"	Wedge	Roller	Spring	Stock Clearance Towards Collet
1/16	- 28	0.281	6	1.626	0.430	X-LARGE	0.813	Green/long	0.912
1/8	- 28	0.360	5	1.754	0.402	LARGE	0.688	Green/long	1.119
1/4	- 19	0.484	4	1.875	0.343	MEDIUM	0.625	Yellow/medium	1.348
3/8	- 19	0.622	3	1.832	0.272	NARROW	0.688	Red/short	1.443
1/2	- 14	0.779	2	1.534	0.196	MEDIUM	0.688	Yellow/medium	1.283

"Y" dimension is shown on Gage Setting Chart for NPT NPTF, BSPT Thread Sizes

C.J. Winter Machine Works Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
NPT, NPTF TAPERED PIPE THREAD SIZES

Stock Clearance Away From Collet
0.792
1.078
1.243
1.340
1.158

Stock Clearance Away From Collet
0.812
1.019
1.248
1.343
1.183

C.J. Winter Machine Works Inc. 3/3/2005
REFERENCE DATA SHEETS 151/152
NPSM STRAIGHT PIPE THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size - TPI	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet	
1/8 - 27	0.371	5	1.802	0.399	MEDIUM	0.875	Green/long	1.186	
1/4 - 18	0.488	4	1.865	0.341	NARROW	0.875	Yellow/medium	1.352	
3/8 - 18	0.624	3	1.828	0.270	NARROW	0.688	Red/short	1.462	
1/2 - 14	0.775	2	1.51	0.198	MEDIUM	0.750	Green/long	1.272	

REFERENCE DATA SHEETS 151/152
BSPP STRAIGHT PIPE THREAD SIZES

Part Data		Roll Data		Attachment Data					
Size - TPI	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet	
1/16 - 28	0.281	6	1.621	0.430	X-LARGE	0.813	Green/long	0.916	
1/8 - 28	0.358	5	1.743	0.403	LARGE	0.688	Green/long	1.117	
1/4 - 19	0.482	4	1.870	0.344	NARROW	0.875	Yellow/medium	1.356	
3/8 - 19	0.620	3	1.816	0.273	NARROW	0.750	Yellow/medium	1.440	
1/2 - 14	0.777	2	1.513	0.197	MEDIUM	0.688	Yellow/medium	1.281	

REFERENCE DATA SHEETS 151/152

METRIC THREAD SIZES

Part Data				Roll Data		Attachment Data				
Size	X	Pitch	Blank Diameter	# of Starts	OD	Gage Setting	Wedge	Roller	Spring	Stock Clearance Towards Collet
M3	X	0.5	0.103	17	1.674	0.510	AUXILIARY	0.750	Green/long	0.808
M3.5	X	0.6	0.120	15	1.716	0.507	AUXILIARY	0.688	Green/long	0.864
M4	X	0.7	0.137	13	1.693	0.498	AUXILIARY	0.750	Green/long	0.856
M5	X	0.8	0.173	10	1.658	0.479	AUXILIARY	0.750	Green/long	0.855
M6	X	1	0.208	8	1.580	0.457	AUXILIARY	0.750	Green/long	0.807
M8	X	1	0.286	6	1.658	0.431	X-LARGE	0.750	Green/long	0.963
M8	X	1.25	0.280	6	1.601	0.429	X-LARGE	0.875	Green/long	0.894
M10	X	0.75	0.372	4	1.458	0.380	AUXILIARY	0.750	Green/long	0.855
M10	X	1.25	0.359	5	1.728	0.402	LARGE	0.750	Green/long	1.100
M10	X	1.5	0.352	5	1.680	0.403	X-LARGE	0.625	Green/long	1.040
M12	X	1	0.444	4	1.735	0.362	MEDIUM	0.875	Green/long	1.198
M12	X	1.25	0.437	4	1.697	0.365	LARGE	0.625	Green/long	1.148
M12	X	1.5	0.431	4	1.659	0.366	LARGE	0.750	Green/long	1.098
M12	X	1.75	0.424	4	1.621	0.367	X-LARGE	0.625	Green/long	1.047
M14	X	1.5	0.510	3	1.480	0.321	LARGE	0.875	Green/long	0.998
M14	X	2	0.497	3	1.423	0.322	X-LARGE	0.813	Green/long	0.916
M15	X	1	0.562	3	1.656	0.304	MEDIUM	0.813	Green/long	1.237
M16	X	1.5	0.588	3	1.717	0.291	MEDIUM	0.625	Yellow/medium	1.313
M16	X	2	0.575	3	1.659	0.297	MEDIUM	0.813	Green/long	1.231
M17	X	1	0.641	2	1.261	0.251	X-LARGE	0.813	Green/long	0.921
M18	X	1.5	0.667	2	1.302	0.242	X-LARGE	0.688	Green/long	0.977
M20	X	1	0.759	2	1.497	0.206	MEDIUM	0.688	Yellow/medium	1.276
M20	X	1.5	0.746	2	1.459	0.211	MEDIUM	0.875	Green/long	1.213
M20	X	2.5	0.720	2	1.383	0.221	LARGE	0.750	Green/long	1.088
M22	X	1.5	0.825	2	1.617	0.170	NARROW	0.688	Red/short	1.449
M22	X	2.5	0.799	2	1.541	0.185	MEDIUM	0.625	Yellow/medium	1.324

REFERENCE DATA SHEETS 151/152**METRIC THREAD SIZES**

Stock Clearance Away From Collet
0.708
0.764
0.756
0.755
0.707
0.863
0.794
0.755
1.000
0.940
1.098
1.048
0.998
0.947
0.898
0.816
1.137
1.213
1.131
0.821
0.877
1.176
1.113
0.988
1.349
1.224

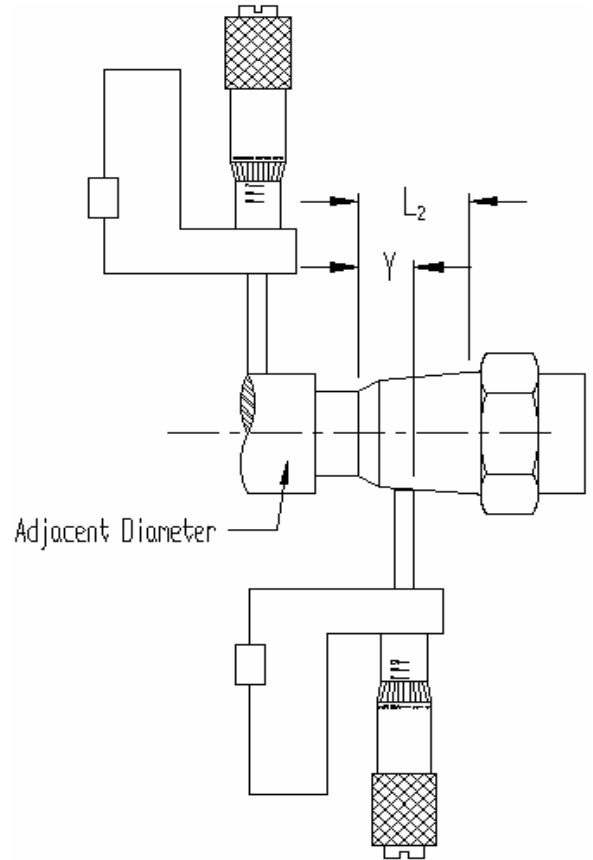
GAGE SETTING CHART FOR NPT, NPTF & BSPT TAPERED PIPE THREAD SIZES**OPTIONAL GAGE SETTING USING AN ADJACENT DIAMETER**

- 1) Take the difference between the blank diameter at Y and the adjacent diameter.
- 2) Divide the difference by 2 and subtract it from the original gage dimension. The result is your corrected gage dimension.

Example using 141 SA

1/4 - 18 NPT B.D. at Y	= .489
Adjacent Diameter	= .625
Difference	= .136
Difference/2	= .068
Original Gage Setting	= .324
minus Difference/2	- .068
Correct Gage Setting	= .256

Note: If the adjacent diameter is smaller than the blank diameter at Y, add the difference instead of subtracting.



BLANK SPECIFICATIONS				GAGE SPECIFICATIONS						
PIPE SIZE NPT & NPTF	Y	L2	B.D. @ Y	125 Series	141/142	145	151/152	160/162/163 Series	165 Series	170 Series
1/16-27	.130	.261	.279	.385	.431	.437	.431	-	.800	-
1/8-27	.132	.264	.372	.345	.376	.385	.398	.970	.753	-
1/4-18	.200	.402	.489	.286	.326	.328	.340	.934	.692	-
3/8-18	.203	.408	.625	-	.252	.265	.267	.872	.603	-
1/2-14	.266	.534	.774	-	-	-	.195	.797	.518	.852
3/4-14	.273	.546	.985	-	-	-	-	.688	.403	.739
1" -11 1/2	.341	.683	1.235	-	-	-	-	.549	-	.632
1 1/4-11 1/2	.353	.707	1.579	-	-	-	-	.395	-	.474
1 1/2-11 1/2	.362	.724	1.818	-	-	-	-	.258	-	.342

BLANK SPECIFICATIONS				GAGE SPECIFICATIONS						
PIPE SIZE BSPT	Y	L2	B.D. @ Y	125 Series	141/142	145	151/152	160/162/163 Series	165 Series	170 Series
1/16-28	.1563	.255	.281	.387	.432	.450	.430	-	.803	-
1/8-28	.1563	.255	.360	.350	.378	.377	.408	.971	.762	-
1/4-19	.2367	.381	.484	.484	.328	.328	.344	.936	.696	-
3/8-19	.2500	.394	.622	-	.254	.254	.273	.873	.605	-
1/2-14	.3214	.517	.779	-	-	-	.195	.795	.512	.847
3/4-14	.3750	.571	.995	-	-	-	-	.685	.408	.727
1" -11	.4091	.659	1.250	-	-	-	-	.539	-	.620
1 1/4-11	.5000	.750	1.591	-	-	-	-	.389	-	.468
1 1/2-11	.5000	.750	1.823	-	-	-	-	.253	-	.338



172/173 Series
-
-
-
-
.852
.738
.632
.329
.342

172/173 Series
-
-
-
-
.847
.727
.620
.314
.338