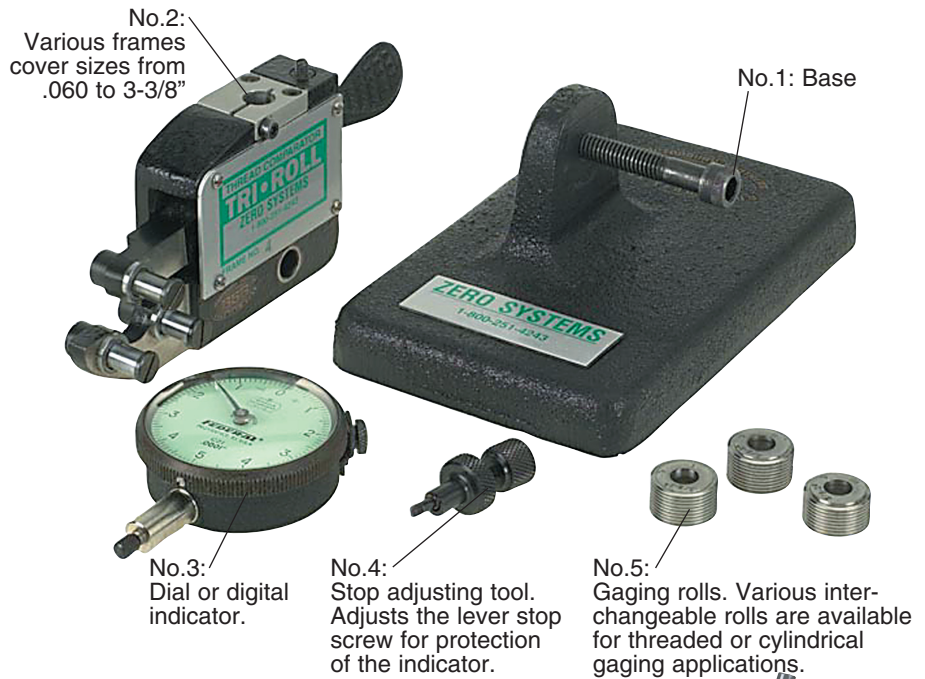


Tri-Roll Comparator

Comparators:

- System offers actual measurements of dimensional characteristics for quicker machine adjustments during thread production.
- Reduces gaging time over thread plug and ring gages.
- One single gage can be used for pre-plate, after-plate class 1, 1A, 2, 2A, 3, 3A eliminating the need for multiple fixed limit thread plug and ring gages.
- Ideal for use with Statistical Process Control – SPC.
- Rigid construction and constant measuring pressure provides consistent and accurate readings.
- Quick setting with the use of a set master.
- Easy to setup.



BASIC SPECIFICATIONS						
Frame No.	Range Normal Size		Metric (MM)		For Threads	Roll Length
	Above	to & Incl.	Above	to & Incl.		
0	.059	.073	1.5	1.8	80 to 64	.223
1	.073	.099	1.8	2.5	64 to 48	.223
2	.099	.164	2.5	4.2	48 to 32	.223
3	.164	.313	4.2	7.9	32 to 18	.424
4	.313	.500	7.9	12.7	32 to 12	.424
5	.500	.750	12.7	19.0	28 to 10	.626
6	.750	1.125	19.0	28.5	28 to 6	.931
7	1.125	1.500	28.5	38.1	28 to 6	.931
8	1.500	1.875	38.1	47.6	28 to 4	.931
9	1.875	2.250	47.6	57.1	28 to 4	.931
10	2.250	2.625	57.1	66.7	28 to 4	.931
11	2.625	3.000	66.7	76.2	28 to 4	.931
12	3.000	3.375	76.2	85.7	28 to 4	.931

There are 5 components that comprise a complete Tri-Roll Comparator assembly. To assist you in ordering, we have separated each of the five components into pricing tables with the size and/or range, price, and order number.

1. BASE			Price
			\$42.00
2. FRAMES			
Frame No.	Range-Nominal Size		
	Above Inch (Metric)	To & Including Inch (Metric)	
0	.059 (1.5MM)	.073 (1.8MM)	\$386.00
1	.073 (1.8MM)	.099 (2.5MM)	386.00
2	.099 (2.5MM)	.164 (4.2MM)	394.00
3	.164 (4.2MM)	.313 (7.9MM)	394.00
4	.313 (7.9MM)	.500 (12.7MM)	402.00
5	.500 (12.7MM)	.750 (19.0MM)	402.00
6	.750 (19.0MM)	1.125 (28.5MM)	421.00
7	1.125 (28.5MM)	1.500 (38.1MM)	421.00
8	1.500 (38.1MM)	1.875 (47.6MM)	631.00
9	1.875 (47.6MM)	2.250 (57.1MM)	669.00
10	2.250 (57.1MM)	2.625 (66.7MM)	702.00
11	2.625 (66.7MM)	3.000 (76.2MM)	832.00
12	3.000 (76.2MM)	3.375 (85.7MM)	889.00
3. DIAL INDICATOR or DIGITAL INDICATOR			
Call for options and prices			
4. STOP ADJUSTING TOOL			\$26.00

Note: Setting Master Also Required.



Portable Hand Held Model



Tri Roll Comparator



Dual Frame Base Assembly



Multiple Mounting Bar with Spacers and Screws

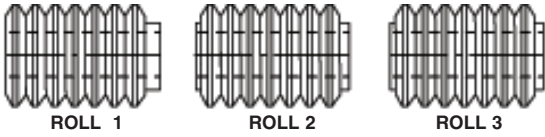


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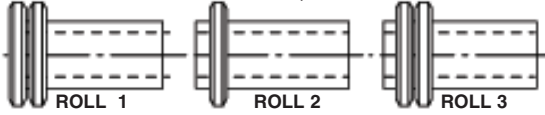
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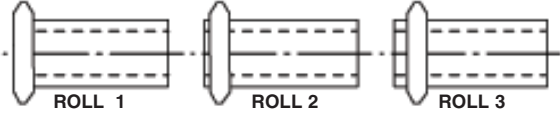
Selecting Gaging Rolls



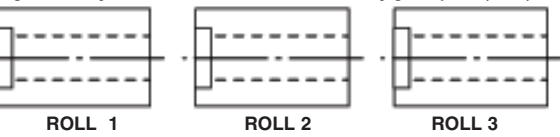
TYPE 3: Full Profile-Functional Diameter size. Full ribbed rolls for functional diameter size for pitches coarser than 48 T.P.I. (for 48 T.P.I. and finer the ribs locate on alternate threads)



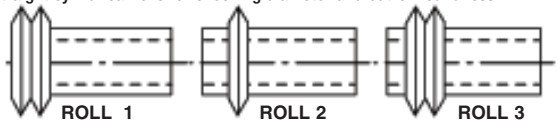
TYPE 4: Cone and Vee-Single Element Pitch Diameter. Two ribs ("vee"-type) on lower rolls (No.1 and 3). One rib ("cone" type) on upper roll (No.2) Flank contact limited to .1 pitch.



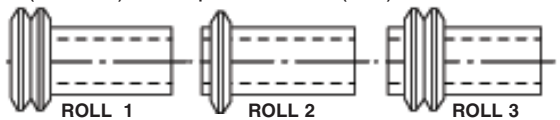
TYPE 5: "Best Wire" Size Radius-Single Element Pitch Diameter. Single ribs only with "best wire" size radius for any given pitch (T.P.I.).



TYPE 6: Plain Rolls-Thread Major Diameter and Plain Cylindrical Parts. Straight cylindrical rolls for checking diameter and out-of-roundness.



TYPE 7: Minor Diameter (5° Included Angle). Two full profile "vee" rolls (No 1 and 3). One full profile "cone" roll (No. 2).



TYPE 8: Lead/Flank Angle. Two full profile "vee" rolls (No 1 and 3) with outside flanks relieved. One full profile "cone" roll (No. 2).

Gaging rolls are also available for: Taper Pipe, ACME, Buttress, specials.
Call for prices: (623) 587-0335



Measure I.D. Threads with **Internal Thread Comparators.**
 Call for prices.



STC External Segment Thread Comparator.
 Functional size. Use full form gaging sequential where 180° contact is specified.



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5. GAGING ROLLS - INCH								
Type 3 Full Profile - Functional Size Diameter			Type 4 Cone and Vee - Single Element Pitch Diameter			Type 5 "Best Wire" Size Radius Single Element Pitch Diameter		
Size	Frame	Price	Size	Frame	Price	Size	Frame	Price
0-80	0	\$325.00	Call for price			0-80	0	\$188.00
1-64	0	325.00				0-80	0	188.00
1-72	0	325.00				1-64	0	188.00
2-56	1	325.00				1-72	0	188.00
2-64	1	325.00				2-56	1	188.00
3-48	1	325.00				2-64	1	188.00
3-56	1	325.00				3-48	1	188.00
4-40	2	325.00				3-56	1	188.00
4-48	2	325.00				4-40	2	188.00
5-40	2	325.00				4-48	2	188.00
5-44	2	325.00	5-40	2	188.00			
6-32	2	325.00	5-44	2	188.00			
6-40	2	325.00	6-32	2	188.00			
8-32	2	325.00	6-40	2	188.00			
8-36	2	325.00	8-32	2	188.00			
10-24	3	325.00	8-36	2	188.00			
10-32	3	325.00	10-24	3	188.00			
12-24	3	325.00	10-32	3	188.00			
12-28	3	325.00	12-24	3	188.00			
1/4-20	3	325.00	12-28	3	188.00			
1/4-28	3	325.00	1/4-20	3	188.00			
5/16-18	3	325.00	1/4-28	3	188.00			
5/16-24	3	325.00	5/16-18	3	188.00			
3/8-16	4	325.00	5/16-24	3	188.00			
3/8-24	4	325.00	3/8-16	4	188.00			
7/16-14	4	325.00	3/8-24	4	188.00			
7/16-20	4	325.00	7/16-14	4	188.00			
1/2-13	4	325.00	7/16-20	4	188.00			
1/2-20	4	325.00	1/2-13	4	188.00			
9/16-12	5	325.00	1/2-20	4	188.00			
9/16-18	5	325.00	9/16-12	5	188.00			
5/8-11	5	325.00	9/16-18	5	188.00			
5/8-18	5	325.00	5/8-11	5	188.00			
3/4-10	5	325.00	5/8-18	5	188.00			
3/4-16	5	325.00	3/4-10	5	188.00			
7/8-9	6	334.00	3/4-16	5	188.00			
7/8-14	6	334.00	7/8-9	6	219.00			
1"- 8	6	334.00	7/8-14	6	219.00			
1"-12	6	334.00	1"- 8	6	219.00			
1"- 14	6	334.00	1"-12	6	219.00			
1 1/8-7	6	334.00	1"- 14	6	219.00			
1 1/8-12	6	334.00	1 1/8-7	6	219.00			
1 1/4-7	7	334.00	1 1/8-12	6	219.00			
1 1/4-12	7	334.00	1 1/4-7	7	219.00			
1 3/8-6	7	334.00	1 1/4-12	7	219.00			
1 3/8-12	7	334.00	1 3/8-6	7	219.00			
1 1/2-6	7	334.00	1 3/8-12	7	219.00			
1 1/2-12	7	334.00	1 1/2-6	7	219.00			
			1 1/2-12	7	219.00			

5. GAGING ROLLS - METRIC								
Type 3 Full Profile - Functional Size Dia.			Type 4 Cone and Vee - Single Element Pitch Dia.			Type 5 "Best Wire" Size Radius - Single Element Pitch Dia.		
Size	Frame	Price	Size	Frame	Price	Size	Frame	Price
Call for price			Call for price			M1.6 x .35	0	\$188.00
M2 x .4	1	\$325.00				M2 x .4	1	188.00
M2.5 x .45	1	325.00				M2.5 x .5	1	188.00
M3 x .5	2	325.00				M3 x .45	1	188.00
M3.5 x .6	2	325.00				M3.5 x .6	2	188.00
M4 x .7	2	325.00				M4 x .7	2	188.00
M5 x .8	3	325.00				M5 x .8	3	188.00
M6 x 1	3	325.00				M6 x 1	3	188.00
M8 x 1.25	4	325.00				M8 x 1.25	4	188.00
M10 x 1.5	4	325.00				M10 x 1.5	4	188.00
M10 x 1.25	4	325.00	M10 x 1.25	4	188.00			
M12 x 1.75	4	325.00	M12 x 1.75	4	188.00			
M12 x 1.25	4	325.00	M12 x 1.25	4	188.00			
M14 x 2	5	325.00	M14 x 2	5	188.00			
M14 x 1.5	5	325.00	M14 x 1.5	5	188.00			
M16 x 2	5	325.00	M16 x 2	5	188.00			
M20 x 1.5	6	334.00	M20 x 1.5	6	219.00			
M22 x 1.5	6	334.00	M22 x 1.5	6	219.00			
M24 x 3	6	334.00	M24 x 3	6	219.00			

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