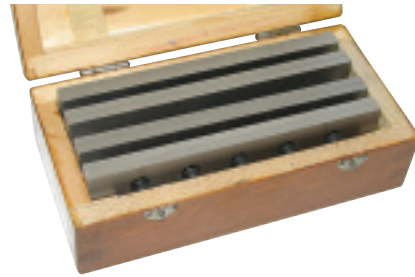



PRECISION PARALLEL SETS

- Matched pairs
- made of high grade steel alloy
- Hardened and ground
- Tolerance $\pm 0.0003"$



■ PRECISION PARALLEL SETS			
Model No.	Dimensions per Pair	Code No.	Price \$
DK 32-045	3/16 x 1 x 6, 3/16 x 1-1/4 x 6, 3/16 x 1-1/2 x 6, 3/16 x 1-3/4 x 6	230-850	83.40
DK 32-012	3/16 x 1 x 6, 3/16 x 1-1/4 x 6, 1/2 x 1-1/2 x 6, 1/2 x 1-3/4 x 6	230-853	79.00
DK 32-050	1/2 x 1 x 6, 1/2 x 1-1/4 x 6, 1/2 x 1-1/2 x 6, 1/2 x 1-3/4 x 6	230-855	92.40
DK 32-064	1/4 x 3/4 x 6, 1/4 x 7/8 x 6, 1/4 x 1 x 6, 1/4 x 1-1/8 x 6, 1/4 x 1-3/8 x 6, 1/4 x 1-1/2 x 6, 1/4 x 1-5/8 x 6, 1/4 x 1-3/4 x 6	230-857	151.70
DK 32-073	1/2 x 7/8 x 6, 1/2 x 1 x 6, 1/2 x 1-1/8 x 6, 1/2 x 1-1/4 x 6, 1/2 x 1-3/8 x 6, 1/2 x 1-5/8 x 6, 1/2 x 1-3/4 x 6	230-860	146.90

STEEL PARALLEL SET
All 10 Pairs Including Fitted Case

- Thin style, 1/8" thick
- Matched pairs
- Made of high grade steel alloy
- Hardened and ground
- Tolerance $\pm 0.0003"$

■ STEEL PARALLEL SET			
Width	Height	Length	
1/8	1/2	6	
1/8	5/8	6	
1/8	3/4	6	
1/8	7/8	6	
1/8	1	6	
1/8	1-1/8	6	
1/8	1-1/4	6	
1/8	1-3/8	6	
1/8	1-1/2	6	
1/8	1-5/8	6	
Code No.	230-853		
Price \$	87.80		


PRECISION THIN STEEL PARALLELS

- Thin style, 1/8" thick
- Sold in matched pairs
- Made of high grade alloy steel
- Hardened and ground
- 2 holes in each parallel
- Accuracy:
 $\pm .0002"$ parallelism in height
 $\pm .001"$ to size in height



■ PRECISION THIN STEEL PARALLELS			
Width x Height x Length	Hole Size	Code No.	Price \$
1/8 x 1/2 x 6	13/64	230-200	8.80
1/8 x 5/8 x 6	1/4	230-205	9.50
1/8 x 3/4 x 6	5/16	230-210	9.50
1/8 x 7/8 x 6	5/16	230-215	9.50
1/8 x 1 x 6	5/16	230-220	9.50
1/8 x 1-1/8 x 6	3/8	230-225	9.50
1/8 x 1-1/4 x 6	3/8	230-230	9.50
1/8 x 1-3/8 x 6	7/16	230-235	9.50
1/8 x 1-1/2 x 6	1/2	230-240	9.50
1/8 x 1-5/8 x 6	1/2	230-245	9.50



MATCHED PAIRS 2-WAY STEEL PARALLELS

- Made of tool steel, hardened to Rc 58-62 and ground in matched pairs on two sides.
- Provides an economical alternative to 4-way ground parallels, when only two parallel sides required.
- Size tolerance of the ground height is ± 0.001 " while being held to a total of 0.0001" between the pieces of a matched pair.
- Total parallelism over the 6" length is 0.0001".



■ MATCHED PAIRS 2-WAY STEEL PARALLELS

Model No.	Length	Width	Height	Weight (lb)	Code No.	Price \$
TWP-001	6"	1/4	3/8	1	251-786	87.10
TWP-002	6"	1/4	7/16	1	251-788	87.10
TWP-003	6"	1/4	1/2	1	251-789	87.10
TWP-004	6"	1/4	9/16	1	251-790	87.10
TWP-005	6"	1/4	5/8	1	251-792	87.10
TWP-006	6"	1/4	11/16	1	251-793	87.10
TWP-007	6"	1/4	3/4	1	251-794	87.10
TWP-008	6"	1/4	13/16	1	251-795	87.10
TWP-009	6"	1/4	7/8	1	251-796	87.10
TWP-010	6"	1/4	15/16	2	251-797	87.10
TWP-011	6"	1/4	1"	2	251-798	87.10
TWP-012	6"	1/4	1-1/16	2	251-799	87.10
TWP-013	6"	1/4	1-1/8	2	251-800	87.10
TWP-014	6"	1/4	1-3/16	2	251-801	87.10
TWP-015	6"	1/4	1-1/4	2	251-802	87.10
TWP-016	6"	1/4	1-5/16	2	251-803	87.10
TWP-017	6"	1/4	1-3/8	2	251-804	87.10
TWP-018	6"	1/4	1-7/16	2	251-805	87.10
TWP-019	6"	1/4	1-1/2	2	251-806	87.10
TWP-020	6"	1/4	1-9/16	2	251-807	87.10
TWP-021	6"	1/4	1-5/8	2	251-808	87.10
TWP-022	6"	1/4	1-11/16	2	251-809	87.10
TWP-023	6"	1/4	1-3/4	2	251-810	87.10
TWP-024	6"	1/4	1-13/16	2	251-811	87.10
TWP-025	6"	1/4	1-7/8	2	251-812	87.10
TWP-026	6"	1/4	1-15/16	2	251-813	87.10
TWP-027	6"	1/4	2"	2	251-814	87.10



SETS OF MATCHED PAIRS 2-WAY STEEL PARALLELS

- Includes matched pairs 6" long x 1/4" wide in 1/16" height increments.
- Furnished in a wooden holder, marked with sizes.



TWP9-SET



TWP22-SET

■ SETS OF MATCHED PAIRS 2-WAY STEEL PARALLELS

Model No.	Pairs/Set	Size Range	Weight (lb)	Code No.	Price \$
TWP9-SET-A	9	3/8 through 7/8	9	251-815	812.40
TWP9-SET-B	9	15/16 through 1-7/16	13	251-816	812.40
TWP9-SET-C	9	1-1/2 through 2"	18	251-817	812.40
TWP22-SET	22	1/2 through 1-13/16	30	251-818	"1,966.20"


MATCHED PAIRS 4-WAY STEEL PARALLELS

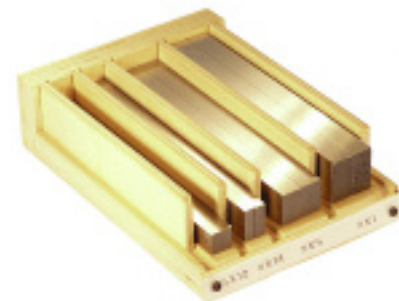
- Made of tool steel, hardened to Rc 58-62 and ground in matched pairs on four sides. For use where extra precision is required.
- Pairs are matched in size on the width and height to a tolerance of ± 0.0002 " on 6", 8" & 12" lengths and 0.0003" for longer lengths.
- Total parallelism, straightness over the full length and size tolerance between pieces of a matched pair is 0.0001" on 6" & 8" lengths, 0.0002" on 12" lengths & 0.0003" on longer lengths.
- Adjacent ground sides are square with each other within 0.0004", except the 6" x 1/4" x 3/4", 6" x 1/4" x 3/8" and 6" x 1/4" x 1/2" sizes, which are square within 0.0005".



■ MATCHED PAIRS 4-WAY STEEL PARALLELS						
Model No.	Length	Width	Height	Weight (lb)	Code No.	Price \$
P-06025038-M	6"	1/4	3/8	1	251-822	223.30
P-06025050-M	6"	1/4	1/2	1	251-823	228.20
P-06025063-M	6"	1/4	5/8	1	251-824	228.20
P-06025075-M	6"	1/4	3/4	1	251-825	238.10
P-06038050-M	6"	3/8	1/2	1	251-826	238.10
P-06038075-M	6"	3/8	3/4	2	251-827	238.10
P-06050063-M	6"	1/2	5/8	2	251-828	292.30
P-06050075-M	6"	1/2	3/4	2	251-829	303.70
P-06050100-M	6"	1/2	1"	2	251-830	310.30
P-06063100-M	6"	5/8	1"	3	251-831	321.80
P-06075100-M	6"	3/4	1"	3	251-832	331.10
P-06075150-M	6"	3/4	1-1/2	5	251-833	356.20
P-08050100-M	8"	1/2	1"	3	251-834	480.90
P-08063150-M	8"	5/8	1-1/2	5	251-835	480.90
P-08075100-M	8"	3/4	1"	4	251-836	510.50
P-08075125-M	8"	3/4	1-1/4	5	251-837	541.60
P-08075163-M	8"	3/4	1-5/8	6	251-838	590.90
P-12075100-M	12"	3/4	1"	6	251-839	618.80
P-12100150-M	12"	1"	1-1/2	11	251-840	727.20
P-12100200-M	12"	1"	2"	14	251-841	802.70
P-12150200-M	12"	1-1/2	2"	21	251-842	1,111.20
P-12150300-M	12"	1-1/2	3"	32	251-843	1,299.80
P-18100200-M	18"	1"	2"	22	251-844	1,322.80
P-24100200-M	24"	1"	2"	29	251-845	1,787.40
P-36100200-M	36"	1"	2"	53	251-846	2,873.80


SETS OF MATCHED PAIRS 4-WAY STEEL PARALLELS

- Each set includes four pairs of parallels in the sizes shown.
- Furnished in a wooden holder marked with sizes.
- Parallel specifications same as for matched pairs of the same size.



■ SETS OF MATCHED PAIRS 4-WAY STEEL PARALLELS						
Model No.	Pairs/ Set	Size Range (Inches)	Weight (lb)	Code No.	Price \$	
P4W-SET-A	4	6x1/4x1/2, 6x1/4x3/4, 6x1/2x3/4, 6x1/2x1	6	251-847	1,178.50	
P4W-SET-B	4	8x1/2x1, 8x3/4x1, 12x3/4x1, 12x1x2	30	251-848	2,516.00	



INDIVIDUAL 4-WAY STEEL PARALLELS

- Hardened steel parallels are ground to such close tolerances on four sides that there is no need to buy matched pairs for many common uses.
- Can be used individually or matched with any other individual 4-way parallel at any time.
- Different sizes can be used together - for example a 6" x 1/2" x 1" can be used with a 8" x 3/4" x 1" on the 1" dimension.
- Held to size $\pm 0.00025"$ on four sides.
- Adjacent sides within 0.0005" per square inch.
- Opposite sides parallel within 0.0001" per 6 inches.



INDIVIDUAL 4-WAY STEEL PARALLELS

Model No.	Length	Width	Height	Weight (lb)	Code No.	Price \$
P-06025038	6"	1/4	3/8	1	251-849	88.80
P-06025050	6"	1/4	1/2	1	251-850	90.30
P-06025063	6"	1/4	5/8	1	251-851	90.30
P-06025075	6"	1/4	3/4	1	251-852	97.00
P-06025100	6"	1/4	1"	1	251-853	100.20
P-06038050	6"	3/8	1/2	1	251-854	97.00
P-06038063	6"	3/8	5/8	1	251-855	100.20
P-0603075	6"	3/8	3/4	1	251-856	100.20
P-06050063	6"	1/2	5/8	1	251-857	116.60
P-06050075	6"	1/2	3/4	1	251-858	123.20
P-06050100	6"	1/2	1"	2	251-859	126.50
P-08050100	8"	1/2	1"	2	251-860	192.10
P-08075100	8"	3/4	1"	3	251-861	208.60
P-08075125	8"	3/4	1-1/4	3	251-862	220.00
P-12075100	12"	3/4	1"	4	251-863	246.30
P-12100150	12"	1"	1-1/2	6	251-864	292.30
P-12100200	12"	1"	2"	8	251-865	321.80
P-12150200	12"	1-1/2	2"	11	251-866	444.80
P-12150300	12"	1-1/2	3"	16	251-867	520.30



NON-TIPPING PARALLELS

- Made of fine grained cast iron that has been stress relieved to eliminate distortion.
- Top is parallel to base within 0.0005".
- Wide base provides more stability than standard parallels.



NON-TIPPING PARALLELS

Model No.	Length	Base Width	Height	Top Width	Weight (lb)	Code No.	Price \$
NTP-36-M	6"	3"	3-1/4	3/8	5	251-819	262.70
NTP-48-M	8"	4"	4-1/4	5/8	12	251-820	375.90
NTP-612-M	12"	2"	6-1/4	3/4	30	251-821	554.80


1-2-3 OR 2-4-6 BLOCKS

- Heat treated and case hardened to HRC 55-60
- Precision ground and case hardened
- Squareness of all sides is within .0001"
- Parallel Accuracy 0.0003"
- Surface finish 6–16 micro inches
- 23 holes—5 are tapped in 3/8-16
- Supplied in pairs



■ 1-2-3 OR 2-4-6 BLOCKS			
Size	Description	Code No.	Price \$
1-2-3	23 Holes	230-870	31.70
2-4-6	23 Holes	230-872	258.90
1-2-3	No Hole (Pair)	230-874	32.00

PRECISION 1-2-3 BLOCKS

- These blocks are very useful in mounting work for precision grinding, layout work, etc.
- Blocks are hardened to 58-60 RC and ground to surface finish 6-10 micro inches
- Tolerances are guaranteed to .0001" for squareness per inch
- .0002" for parallelism
- Blocks are matched and measure 1" x 2" x 3"
- Price includes fitted case



■ PRECISION 1-2-3 BLOCKS		
Description	Code No.	Price \$
2 Piece set	230-876	31.50

18 PIECE WAVY PARALLEL SET

- Consists of 9 pair ranging from 1/2 to 1-1/2" in 1/8" height increments
- Complete with fitted case
- New concept, practical and reliable for the precise vertical positioning of workpieces
- Ideal for clamping a group of flat workpieces
- Can readily be used as elastic shims
- Made of high quality spring steel, hardened, stress relieved and precision ground
- Guaranteed to size in height and parallelism $\pm .0002$ "



■ 18 PIECE WAVY PARALLEL SET		
Description	Code No.	Price \$
18 piece wavy parallel set	230-150	102.80