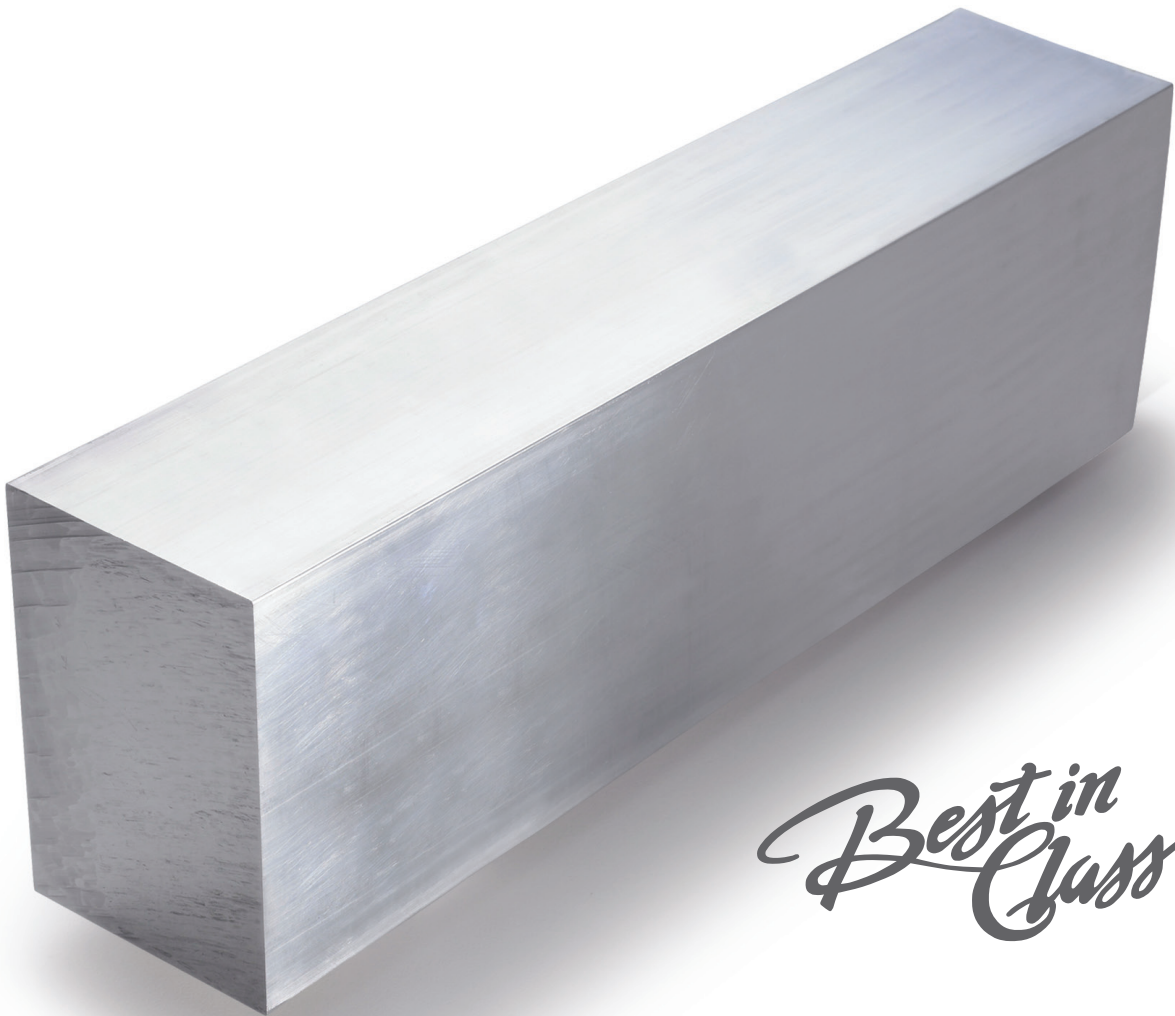


KaiserSelect[®]

M A N I F O L D B A R



Best in Class

KAISER
ALUMINUM



KaiserSelect[®] MANIFOLD BAR

KaiserSelect[®] Manifold Bar is a superior product, highly engineered with specific performance attributes for machining complex parts.

KaiserSelect[®] Manifold Bar Delivers:

- Superior Machining Performance
- Tight Tolerances
- Exceptional Straightness and Twist Tolerances
- Improved Surface Finish

Alloy	Temper	Size Range
6061	T6511B	Squares 1.246" through 7.000" Rectangles .875" x 3.000" through 6.000" x 8.000"

- **KaiserSelect[®] Manifold Bar** allows complex machining with high metal removing rates
- Improved and repeatable piece-to-piece and lot-to-lot performance is offered over other extruded bar products
- Superior machining performance through reduction in burr formation and reduced chip sizes
- Straightness, flatness and dimensional control are key quality characteristics of **KaiserSelect[®] Manifold Bar**

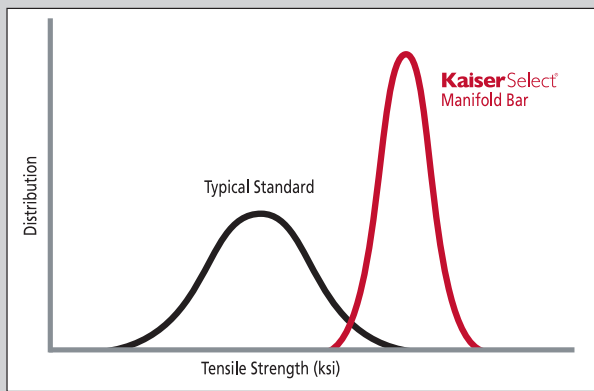
KaiserSelect[®] Manifold Bar provides closer net products with greater productivity, higher quality and lower manufacturing costs – taking your automatic machining process to the next level.

KEY CHARACTERISTICS



	Standard Manifold Bar	KaiserSelect® Manifold Bar
Flatness	0.004"/inch	0.002"/inch
Twist	AA Standard	1/2 AA Standard
Straightness		
In 12 Feet	0.150" max	0.075" max
In any 1-Foot	0.0125" max	0.006" max

Tensile Strength (ksi)



The enhanced 6061 alloy used in **KaiserSelect®** Manifold Bar increases the mechanical strength and the overall hardness of the material. To ensure twist is not a concern, we control and measure critical factors during the manufacturing process.

KaiserSelect® Manifold Bar generates compact chips from drilling and boring tools thus improving machining throughput, minimizing downtime and lowering costs.

KaiserSelect® Manifold Bar offers exceptional consistency over other extruded aluminum bar products.

Distance Across Flats "A"	Tolerance Plus Side Only (*)	Est. Lbs./Ft.	Serial No.
1.246	0.014	1.846	729507
1.500	0.014	2.671	731423
1.750	0.014	3.630	728892*
2.000	0.024	4.761	706957*
2.250	0.024	6.017	715114*
2.500	0.024	7.421	706963*
2.750	0.024	8.971	727668*
3.000	0.024	10.669	706970*
3.250	0.024	12.514	733333*
3.500	0.024	14.505	706976*
4.000	0.034	18.976	706979*
4.500	0.034	23.994	706983*
5.000	0.034	29.600	706987*
5.500	0.034	35.794	709997*
6.000	0.044	42.647	706990*
7.000	0.044	57.987	734407



*Available as a depot item

Alloy: 6061-T6511B

Elevated mechanical properties:

UTS 48.0 KSI min. / YTS 43.0 KSI min.

10% Elongation

Flatness: .002" per inch of width

Twist: Up to 2.99" wide: 1/4 degree/ft., max 3 degrees

3.00" & greater: 1/8 degree/ft., max 1.5 degrees

Straightness: .006" max in any 1 ft. / .075" max in any 12 ft.

Surface finish: 90 Ra typical

Dimensional Tolerance: 1/2 Commercial, all on the plus side

MANIFOLD BAR



Dimension "A"	Tolerance "A" Plus Side Only	Dimension "B"	Tolerance "B" Plus Side Only	Est. Lbs./Ft.	Serial No.
0.875	0.010	3.000	0.024	3.117	729514
1.000	0.012	1.500	0.014	1.783	707002*
1.000	0.012	2.000	0.024	2.380	729515*
1.000	0.012	2.500	0.024	2.972	734411
1.000	0.012	3.000	0.024	3.563	729516*
1.000	0.012	3.500	0.024	4.155	729517*
1.000	0.012	4.000	0.034	4.752	731794*
1.000	0.012	5.000	0.034	5.936	729519*
1.000	0.012	8.500	0.054	10.088	726699
1.125	0.012	2.500	0.024	3.341	729520
1.250	0.012	2.500	0.024	3.710	719727*
1.250	0.012	3.000	0.024	4.449	729521*
1.250	0.012	3.500	0.024	5.187	729522
1.250	0.012	3.750	0.024	5.557	731378
1.250	0.012	5.500	0.034	8.149	734416
1.500	0.014	2.000	0.024	3.566	723655*
1.500	0.014	2.500	0.024	4.452	724951*
1.500	0.014	3.000	0.024	5.338	706955*
1.500	0.014	4.000	0.034	7.119	706956*
1.500	0.014	4.500	0.034	8.006	729524
1.500	0.014	5.000	0.034	8.892	731374*
1.500	0.014	5.500	0.034	9.777	729525
1.500	0.014	6.000	0.044	10.672	729526*
1.500	0.014	6.500	0.044	11.558	729527
1.500	0.014	7.000	0.044	12.444	729528
1.750	0.014	2.000	0.024	4.157	706996
1.750	0.014	2.750	0.024	5.707	729539
1.750	0.014	3.750	0.024	7.773	734417
1.750	0.014	4.500	0.034	9.333	734418
1.750	0.014	6.500	0.044	13.476	729546
2.000	0.024	2.500	0.024	5.944	706958*
2.000	0.024	3.000	0.024	7.127	706959*
2.000	0.024	3.500	0.024	8.309	706960*
2.000	0.024	4.000	0.034	9.505	729558*
2.000	0.024	4.500	0.034	10.688	729547
2.000	0.024	5.000	0.034	11.871	727677*
2.000	0.024	6.000	0.044	14.249	706962*
2.000	0.024	6.500	0.044	15.432	729548
2.000	0.024	8.500	0.054	20.175	729549
2.250	0.024	8.000	0.054	21.352	729550
2.500	0.024	3.000	0.024	8.897	706964*
2.500	0.024	3.250	0.024	9.636	727399*
2.500	0.024	3.500	0.024	10.375	706965*
2.500	0.024	4.000	0.034	11.867	706966*
2.500	0.024	4.500	0.034	13.344	706967*
2.500	0.024	5.000	0.034	14.821	706968*
2.500	0.024	5.500	0.034	16.297	717300
2.500	0.024	6.000	0.044	17.790	706969*
2.500	0.024	7.000	0.044	20.743	731057
2.500	0.024	7.125	0.044	21.113	729551
2.500	0.024	8.000	0.054	23.713	726879*
3.000	0.024	3.500	0.024	12.440	706971*
3.000	0.024	4.000	0.034	14.229	706972*
3.000	0.024	4.250	0.034	15.114	729552
3.000	0.024	4.500	0.034	15.999	706973*
3.000	0.024	5.000	0.034	17.770	706974*
3.000	0.024	6.000	0.044	21.331	706975*
3.000	0.024	8.000	0.054	28.433	713583*
3.000	0.024	8.375	0.054	29.761	729618
3.000	0.024	8.400	0.054	29.849	729620
3.125	0.024	5.250	0.034	19.431	729621
3.125	0.024	8.425	0.054	31.179	729622
3.250	0.024	4.250	0.034	16.369	729623
3.500	0.024	4.000	0.034	16.589	706977*
3.500	0.024	4.500	0.034	18.655	706978
3.500	0.024	5.000	0.034	20.721	709996
3.500	0.024	6.000	0.044	24.871	719730*
3.500	0.024	6.750	0.044	27.969	729624
4.000	0.034	4.500	0.034	21.339	706980*
4.000	0.034	5.000	0.034	23.700	706981*
4.000	0.034	5.500	0.034	26.062	729625
4.000	0.034	6.000	0.044	28.447	706982*
4.000	0.034	7.000	0.044	33.171	729626
4.000	0.034	8.000	0.054	37.919	714375*
4.300	0.034	5.250	0.034	26.739	729628
4.375	0.003	6.250	0.044	32.395	732018
4.500	0.034	5.000	0.034	26.650	706984
4.500	0.034	5.500	0.034	29.306	706985*
4.500	0.034	6.000	0.044	31.989	706986*
4.500	0.034	6.500	0.044	34.644	729629
4.500	0.034	7.000	0.044	37.300	729630
4.500	0.044	9.500	0.064	50.689	729631
5.000	0.034	5.500	0.034	32.551	720699*
5.000	0.034	6.000	0.044	35.530	706988*
5.000	0.034	7.000	0.044	41.429	709995
5.000	0.034	8.000	0.054	47.358	706989
5.000	0.034	8.500	0.054	50.309	729632
5.500	0.034	6.000	0.044	39.070	729633
5.500	0.034	8.000	0.054	52.079	732408
6.000	0.044	6.500	0.044	46.187	706991
6.000	0.044	7.000	0.044	49.728	706992
6.000	0.054	8.000	0.064	56.929	718881*

*Available as a depot item

Alloy: 6061-T6511B

Elevated mechanical properties:

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10% Elongation

Flatness: .002" per inch of width

Twist:

Up to 2.99" wide: 1/4 degree/ft., max 3 degrees

3.00" & greater: 1/8 degree/ft., max 1.5 degrees

Straightness:

.006" max in any 1 ft. / .075" max in any 12 ft.

Surface finish: 90 Ra typical

Dimensional Tolerance:

1/2 Commercial, all on the plus side

ORDER NOW

For more information on **KaiserSelect**® Manifold Bar, as well as the complete line of Kaiser Aluminum products, please call **866-499-7690**.

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KSR021-010412