

TENSION BUSHINGS

NEW
REDUCED PRICING!

MANUFACTURED BY VOGELSANG FASTENER

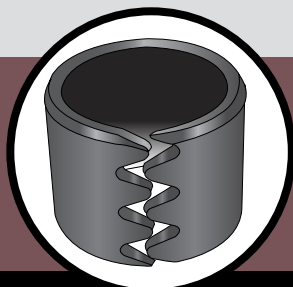
NOW AVAILABLE
from Kanebridge for
Same-Day Shipment!

Common Uses:

1. Backhoe Shovels
2. Mining
3. Railroads
4. Commercial Lawn Equipment
5. Heavy Trucks
6. Agricultural Equipment



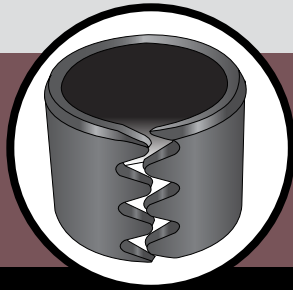
KANEBRIDGE
CORPORATION



TENSION BUSHINGS, TYPE 3

Heat Treated and Tempered
6150 High Carbon Spring Steel, Plain

Part #	O.D.xI.D.xLength	Ctn Qty	Standard Price/C	Special Price/C	Unit Weight/C
755008BT3P	.75X.50X.50	8	\$562.50	\$450.00	2.95
755012BT3P	.75X.50X.75	8	\$579.25	\$463.40	4.60
755016BT3P	.75X.50X1	7	\$594.29	\$475.43	6.20
1007508BT3P	1.0X.75X.50	20	\$202.50	\$162.00	3.85
1007510BT3P	1.0X.75X.625	20	\$210.31	\$168.25	4.95
1007512BT3P	1.0X.75X.75	20	\$219.33	\$175.46	6.17
1007516BT3P	1.0X.75X1	15	\$252.51	\$202.01	8.70
1007520BT3P	1.0X.75X1.25	15	\$264.26	\$211.41	10.81
1007524BT3P	1.0X.75X1.5	15	\$296.69	\$237.35	13.35
1007532BT3P	1.0X.75X2	10	\$422.75	\$338.20	17.05
12510008BT3P	1.25X1.0X.5	20	\$211.23	\$168.98	5.10
12510010BT3P	1.25X1.0X.625	20	\$228.43	\$182.74	6.60
12510012BT3P	1.25X1.0X.75	20	\$240.28	\$192.22	8.20
12510014BT3P	1.25X1.0X.875	15	\$250.32	\$200.26	9.60
12510016BT3P	1.25X1.0X1	15	\$265.29	\$212.23	10.80
12510020BT3P	1.25X1.0X1.25	15	\$307.46	\$245.96	14.00
12510024BT3P	1.25X1.0X1.5	15	\$351.19	\$280.95	16.85
12510032BT3P	1.25X1.0X2	10	\$477.05	\$381.64	22.70
13710012BT3P	1.37X1.0X.75	7	\$685.30	\$548.24	9.05
13710016BT3P	1.37X1.0X1	6	\$724.36	\$579.49	17.85
13710020BT3P	1.37X1.0X1.25	5	\$766.09	\$612.87	22.35
13710024BT3P	1.37X1.0X1.5	5	\$809.31	\$647.44	26.90
13711212BT3P	1.37X1.125X.75	5	\$787.51	\$630.01	13.15
13711216BT3P	1.37X1.125X1	5	\$827.80	\$662.24	12.20
13711224BT3P	1.37X1.125X1.5	5	\$883.78	\$707.02	18.85
15010016BT3P	1.5X1.0X1	3	\$1,361.48	\$1,089.18	24.60
15010024BT3P	1.5X1.0X1.5	3	\$1,342.68	\$1,074.15	37.65
15012508BT3P	1.5X1.25X.50	20	\$222.95	\$178.36	6.45
15012512BT3P	1.5X1.25X.75	15	\$255.99	\$204.79	9.67
15012516BT3P	1.5X1.25X1	15	\$308.05	\$246.44	13.60
15012520BT3P	1.5X1.25X1.25	15	\$316.58	\$253.26	17.05
15012524BT3P	1.5X1.25X1.5	12	\$351.75	\$281.40	20.85
15012532BT3P	1.5X1.25X2	7	\$525.63	\$420.51	27.75
15012540BT3P	1.5X1.25X2.5	6	\$637.07	\$509.66	34.55
15012548BT3P	1.5X1.25X3	5	\$748.75	\$599.00	42.20
16212512BT3P	1.62X1.25X.75	5	\$797.60	\$638.08	15.70
16212516BT3P	1.62X1.25X1	4	\$829.55	\$663.64	22.01
16212520BT3P	1.62X1.25X1.25	4	\$877.63	\$702.10	27.70
16212524BT3P	1.62X1.25X1.5	4	\$946.24	\$756.99	33.15
16212532BT3P	1.62X1.25X2	3	\$1,144.93	\$915.94	44.65
16213724BT3P	1.62X1.37X1.5	3	\$1,083.85	\$867.08	22.90
17513720BT3P	1.75X1.37X1.25	4	\$916.80	\$733.44	29.40
17513724BT3P	1.75X1.37X1.5	4	\$977.42	\$781.94	36.60
17513732BT3P	1.75X1.37X2	3	\$1,253.80	\$1,003.04	48.55
17515008BT3P	1.75X1.5X.5	20	\$239.57	\$191.66	7.42
17515012BT3P	1.75X1.5X.75	15	\$308.47	\$246.78	11.90
17515016BT3P	1.75X1.5X1	13	\$377.37	\$301.89	16.20



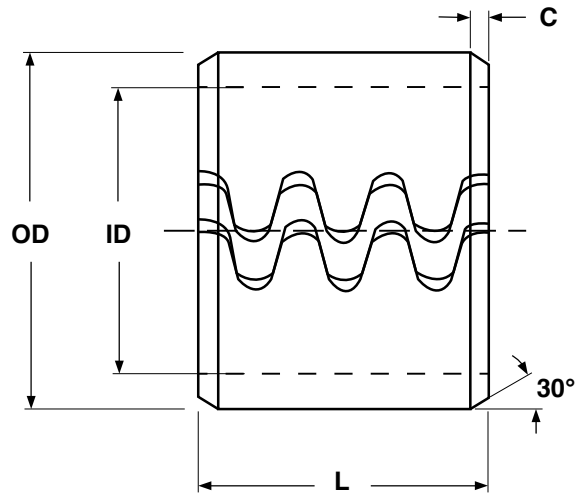
TENSION BUSHINGS, TYPE 3

Heat Treated and Tempered
6150 High Carbon Spring Steel, Plain

Part #	O.D.xI.D.xLength	Ctn Qty	Standard Price/C	Special Price/C	Unit Weight/C
17515020BT3P	1.75X1.5X1.25	13	\$449.02	\$359.22	20.55
17515024BT3P	1.75X1.5X1.5	10	\$515.17	\$412.14	24.55
17515032BT3P	1.75X1.5X2	7	\$639.94	\$511.95	32.70
17515040BT3P	1.75X1.5X2.5	6	\$774.43	\$619.55	41.70
17515044BT3P	1.75X1.5X2.75	5	\$841.67	\$673.34	46.25
18715012BT3P	1.87X1.5X.75	3	\$1,051.03	\$840.82	18.39
18715016BT3P	1.87X1.5X1	3	\$1,112.08	\$889.66	25.65
18715020BT3P	1.87X1.5X1.25	3	\$1,153.58	\$922.86	32.50
18715024BT3P	1.87X1.5X1.5	3	\$1,217.64	\$974.11	38.96
18715032BT3P	1.87X1.5X2	2	\$1,520.20	\$1,216.16	51.90
20015016BT3P	2.0X1.5X1	3	\$1,084.22	\$867.38	33.65
20015020BT3P	2.0X1.5X1.25	3	\$1,187.09	\$949.67	44.90
20015024BT3P	2.0X1.5X1.5	3	\$1,267.64	\$1,014.11	53.34
20015032BT3P	2.0X1.5X2	2	\$1,507.40	\$1,205.92	71.15
20015048BT3P	2.0X1.5X3	2	\$1,975.91	\$1,580.73	107.55
20017512BT3P	2.0X1.75X.75	7	\$616.78	\$493.42	13.45
20017516BT3P	2.0X1.75X1	7	\$656.14	\$524.91	18.05
20017520BT3P	2.0X1.75X1.25	5	\$709.95	\$567.96	23.10
20017524BT3P	2.0X1.75X1.5	5	\$744.55	\$595.64	28.40
20017532BT3P	2.0X1.75X2	4	\$900.02	\$720.02	38.10
22517516BT3P	2.25X1.75X1	3	\$1,243.95	\$995.16	40.55
22517532BT3P	2.25X1.75X2	2	\$2,375.00	\$1,900.00	82.55
22517540BT3P	2.25X1.75X2.5	2	\$2,750.00	\$2,200.00	104.00
22520024BT3P	2.25X2.0X1.5	4	\$980.26	\$784.21	31.60
22520032BT3P	2.25X2.0X2	3	\$1,102.28	\$881.82	42.37
23720012BT3P	2.37X2.0X.75	6	\$798.60	\$638.88	23.70
23720016BT3P	2.37X2.0X1	4	\$877.15	\$701.72	32.40
23720020BT3P	2.37X2.0X1.25	3	\$993.38	\$794.71	41.40
23720024BT3P	2.37X2.0X1.5	3	\$1,133.76	\$907.00	49.82
23720032BT3P	2.37X2.0X2	3	\$1,395.78	\$1,116.62	67.13
23720048BT3P	2.37X2.0X3	2	\$1,931.60	\$1,545.28	101.35
25020016BT3P	2.5X2.0X1	3	\$1,283.40	\$1,026.72	44.94
25020024BT3P	2.5X2.0X1.5	2	\$1,522.87	\$1,218.29	69.25
25020032BT3P	2.5X2.0X2	2	\$1,810.04	\$1,448.03	92.05
25020040BT3P	2.5X2.0X2.5	2	\$2,078.00	\$1,662.40	115.90
25020048BT3P	2.5X2.0X3	2	\$2,398.66	\$1,918.93	138.65
30025016BT3P	3.0X2.5X1	2	\$1,685.53	\$1,348.42	54.25
30025024BT3P	3.0X2.5X1.5	2	\$1,943.62	\$1,554.90	85.50
30025032BT3P	3.0X2.5X2	2	\$2,238.59	\$1,790.87	114.30
30025040BT3P	3.0X2.5X2.5	2	\$2,875.00	\$2,300.00	143.65
30025048BT3P	3.0X2.5X3	1	\$2,960.25	\$2,368.20	170.40
35030016BT3P	3.5X3.0X1	2	\$1,564.89	\$1,251.91	62.80
35030024BT3P	3.5X3.0X1.5	2	\$2,034.30	\$1,627.44	98.75
35030032BT3P	3.5X3.0X2	1	\$2,502.50	\$2,002.00	133.80
35030040BT3P	3.5X3.0X2.5	1	\$2,973.03	\$2,378.42	167.45
35030048BT3P	3.5X3.0X3	1	\$3,442.41	\$2,753.92	202.55



TENSION CONTROL BUSHING – PRODUCT SPECIFICATIONS

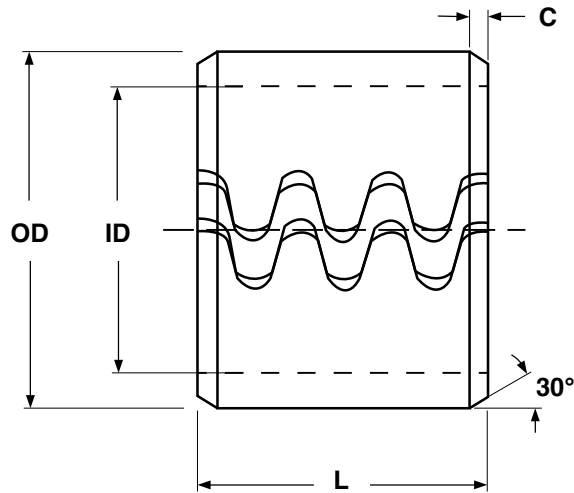


TENSION CONTROL BUSHINGS, TYPE 3 -- WAVY SLOT

OD -- Outside Diameter		ID -- Inside Diameter			L	C		
Nominal	Before Insertion		Nominal	After Insertion		Length Range	Chamfer Length	
	Max	Min		Max	Min		Max	Min
3/4"	0.810	0.770	1/2"	0.507	0.503	1/2 - 1 3/4"	0.090	0.060
1	1.060	1.020	3/4"	0.757	0.753	1/2 - 1 3/4"	0.120	0.080
				0.760	0.753	2 - 3"		
1 1/4"	1.310	1.270	1"	1.007	1.003	1/2 - 1 3/4"	0.120	0.080
				1.010	1.003	2 - 3"		
1 3/8"	1.435	1.395	1"	1.007	1.003	3/4 - 1 3/4"	0.120	0.080
			1 1/8"	1.132	1.128	1/2 - 1 3/4"		
1 1/2"	1.560	1.520	1 1/4"	1.007	1.003	1 - 1 3/4"	0.120	0.080
				1.257	1.253	1/2 - 1 3/4"		
1 5/8"	1.665	1.645	1 1/4"	1.260	1.253	2 - 3"	0.120	0.080
				1.257	1.253	3/4 - 1 3/4"		
				1.260	1.253	2 - 3"		
1 3/4"	1.810	1.770	1 3/8"	1.382	1.378	3/4 - 1 3/4"	0.120	0.080
				1.385	1.378	2 - 3"		
1 7/8"	1.935	1.895	1 1/2"	1.507	1.503	1/2 - 1 3/4"	0.120	0.080
				1.510	1.503	2 - 3"		
2"	2.060	2.020	1 1/2"	1.507	1.503	3/4 - 1 3/4"	0.150	0.100
				1.512	1.504	2 - 3"		
				1.516	1.504	2 - 3"		
			1 3/4"	1.757	1.750	3/4 - 3"	0.120	0.080



TENSION CONTROL BUSHING – PRODUCT SPECIFICATIONS



TENSION CONTROL BUSHINGS, TYPE 3 -- WAVY SLOT

OD -- Outside Diameter		ID -- Inside Diameter			L	C		
Nominal	Before Insertion		Nominal	After Insertion		Length Range	Chamfer Length	
	Max	Min		Max	Min		Max	Min
2 1/4"	2.310	2.270	1 3/4"	1.757	1.753	1 - 1 3/4"	0.120	0.080
				1.760	1.753	2 - 3"		
			2"	2.012	2.004	1 - 1 3/4"		
				2.016	2.004	2 - 3"		
2 3/8"	2.446	2.406	2"	2.012	2.004	3/4 - 1 3/4"	0.120	0.080
				2.016	2.004	2 - 3"		
2 1/2"	2.570	2.530	2"	2.012	2.004	1 - 1 3/4"	0.150	0.100
				2.016	2.004	2 - 3"		
3"	3.090	3.030	2 1/2"	2.512	2.504	1 - 1 3/4"	0.150	0.100
				2.516	2.504	2 - 3"		
3 1/2"	3.590	3.530	3"	3.013	3.005	1 - 1 3/4"	0.150	0.100
				3.019	3.005	2 - 3"		
Tolerance on Length				± 1/32"				

Description	A cylindrical machine part with a wavy-shaped opening on one side. The openings at both ends have chamfered edges. The bushing is made from a high carbon steel that provides sufficient elasticity to provide a properly tight radial fit.
Applications/ Advantages	The bushing protects the bore or shaft in which it is installed. Typically, they are pressed into the rod or clevis end of hydraulic cylinders, pivot points for equipment attachments and other moving parts. The elasticity of the part and the chamfered end-design enables these items to be easily installed using a hammer and a drift or a hydraulic press without damaging other components to which they are being fitted. They resist wear, maintain performance in harsh environments and withstand temperatures up to 350° C. Among their uses include agricultural equipment, commercial lawn equipment, conveyors, earth movers, heavy trucks, material handling equipment, mining and railroad applications.
Material	6150 high carbon steel, thru-hardened
Hardness	Rockwell C 45 - 50
Plating	Tension control bushings are supplied with a natural, uncoated finish.



TENSION BUSHINGS – PART NUMBER CROSS-REFERENCE

Kanebridge	Vogelsang/ Motion®	Connex®	Vogelsang Legacy
755008BT3P	075-050-050-III	075-050-050	VG-200
755012BT3P	075-050-075-III	075-050-075	VG-205
755016BT3P	075-050-100-III	075-050-100	VG-210
1007508BT3P	100-075-050-III	100-075-050	VG-275
1007510BT3P	100-075-062-III	100-075-062	
1007512BT3P	100-075-075-III	100-075-075	VG-280
1007516BT3P	100-075-100-III	100-075-100	VG-290
1007520BT3P	100-075-125-III	100-075-125	VG-295
1007524BT3P	100-075-150-III	100-075-150	VG-150
1007532BT3P	100-075-200-III	100-075-200	VG-305
12510008BT3P	125-100-050-III	125-100-050	VG-385
12510010BT3P	125-100-062-III	125-100-062	VG-390
12510012BT3P	125-100-075-III	125-100-075	VG-395
12510014BT3P	125-100-087-III	125-100-087	
12510016BT3P	125-100-100-III	125-100-100	VG-400
12510020BT3P	125-100-125-III	125-100-125	VG-410
12510024BT3P	125-100-150-III	125-100-150	VG-415
12510032BT3P	125-100-200-III	125-100-200	VG-430
13710012BT3P	137-100-075-III	137-100-075	VG-445
13710016BT3P	137-100-100-III	137-100-100	VG-450
13710020BT3P	137-100-125-III	137-100-125	VG-455
13710024BT3P	137-100-150-III	137-100-150	VG-460
13711212BT3P	137-112-075-III	137-112-075	VG-475
13711216BT3P	137-112-100-III	137-112-100	VG-485
13711224BT3P	137-112-150-III	137-112-150	VG-500
15010016BT3P	150-100-100-III	150-100-100	VG-530
15010024BT3P	150-100-150-III	150-100-150	VG-540
15012508BT3P	150-125-050-III	150-125-050	VG-485
15012512BT3P	150-125-075-III	150-125-075	VG-590
15012516BT3P	150-125-100-III	150-125-100	VG-595
15012520BT3P	150-125-125-III	150-125-125	VG-600
15012524BT3P	150-125-150-III	150-125-150	VG-605
15012532BT3P	150-125-200-III	150-125-200	VG-615
15012540BT3P	150-125-250-III	150-125-250	VG-620
15012548BT3P	150-125-300-III	150-125-300	VG-625
16212512BT3P	162-125-075-III	162-125-075	VG-630
16212516BT3P	162-125-100-III	162-125-100	VG-635
16212520BT3P	162-125-125-III	162-125-125	VG-640
16212524BT3P	162-125-150-III	162-125-150	VG-645
16212532BT3P	162-125-200-III	162-125-200	VG-650
16213724BT3P	162-137-150-III	162-137-150	
17513720BT3P	175-137-125-III	175-137-125	VG-700
17513724BT3P	175-137-150-III	175-137-150	VG-705
17513732BT3P	175-137-200-III	175-137-200	VG-715
17515008BT3P	175-150-050-III	175-150-050	
17515012BT3P	175-150-075-III	175-150-075	VG-720
17515016BT3P	175-150-100-III	175-150-100	VG-725

Kanebridge	Vogelsang/ Motion®	Connex®	Vogelsang Legacy
17515020BT3P	175-150-125-III	175-150-125	VG-735
17515024BT3P	175-150-150-III	175-150-150	VG-745
17515032BT3P	175-150-200-III	175-150-200	VG-750
17515040BT3P	175-150-250-III	175-150-250	VG-755
17515044BT3P	175-150-275-III	175-150-275	VG-760
18715012BT3P	187-150-075-III	187-150-075	VG-770
18715016BT3P	187-150-100-III	187-150-100	VG-780
18715020BT3P	187-150-125-III	187-150-125	VG-785
18715024BT3P	187-150-150-III	187-150-150	VG-790
18715032BT3P	187-150-200-III	187-150-200	VG-795
20015016BT3P	200-150-100-III	200-150-100	VG-800
20015020BT3P	200-150-125-III	200-150-125	VG-810
20015024BT3P	200-150-150-III	200-150-150	VG-815
20015032BT3P	200-150-200-III	200-150-200	VG-820
20015048BT3P	200-150-300-III	200-150-300	VG-830
20017512BT3P	200-175-075-III	200-175-075	VG-833
20017516BT3P	200-175-100-III	200-175-100	VG-835
20017520BT3P	200-175-125-III	200-175-125	VG-845
20017524BT3P	200-175-150-III	200-175-150	VG-850
20017532BT3P	200-175-200-III	200-175-200	VG-860
22517532BT3P	225-175-100-III	225-175-100	VG-880
22517540BT3P	225-175-200-III	225-175-200	VG-895
22517516BT3P	225-175-250-III	225-175-250	VG-900
22520024BT3P	225-200-150-III	225-200-150	VG-905
22520032BT3P	225-200-200-III	225-200-200	VG-915
23720012BT3P	237-200-075-III	237-200-075	VG-930
23720016BT3P	237-200-100-III	237-200-100	VG-935
23720020BT3P	237-200-125-III	237-200-125	VG-945
23720024BT3P	237-200-150-III	237-200-150	VG-950
23720032BT3P	237-200-200-III	237-200-200	VG-960
23720048BT3P	237-200-300-III	237-200-300	VG-970
25020016BT3P	250-200-100-III	250-200-100	VG-975
25020024BT3P	250-200-150-III	250-200-150	VG-990
25020032BT3P	250-200-200-III	250-200-200	VG-1000
25020040BT3P	250-200-250-III	250-200-250	VG-1005
25020048BT3P	250-200-300-III	250-200-300	VG-1010
30025016BT3P	300-250-100-III	300-250-100	VG-1015
30025024BT3P	300-250-150-III	300-250-150	VG-1030
30025032BT3P	300-250-200-III	300-250-200	VG-1035
30025040BT3P	300-250-250-III	300-250-250	VG-1040
30025048BT3P	300-250-300-III	300-250-300	VG-1045
35030016BT3P	350-300-100-III	350-300-100	VG-1050
35030024BT3P	350-300-150-III	350-300-150	VG-1060
35030032BT3P	350-300-200-III	350-300-200	VG-1070
35030040BT3P	350-300-250-III	350-300-250	VG-1075
35030048BT3P	350-300-300-III	350-300-300	VG-1080

Connex® is a registered trademark of Connex AG.
Motion® is a registered trademark of Motion Industries.



The **KANEBRIDGE** ADVANTAGE



Over 43,000 Items

Everything you need from one place

Kanebridge is a master distributor with over 43,000 items in inventory, including almost 10,000 stainless steel and 2,000 Military fasteners.

Same-Day Shipping / 1-Box Minimum *Nobody's Faster*

All orders **placed by 5pm can ship the same day** when using UPS. Emergency orders are ready within one hour. Airfreight orders placed by 7:45pm EST (4:45pm PST) can ship same day (based on stock availability in our California warehouse).

Minimum Order is 1 Box.

Fastener Specifications Guide *Your fastener questions answered!*

Kanebridge's newest 6th edition of its *Fastener Specifications Guide* is available from all 3 of our branches. This hard cover reference volume is the most comprehensive & up-to-date collection of fastener specifications Kanebridge has ever compiled. The *Specification Guide* is also accessible at www.kanebridge.com.

99% Service Level

Don't wait for what you need now.

99% of the items we list are available from stock every day from one of our three warehouses located coast-to-coast:
New Jersey, Illinois and California.

Drop Shipping

Use us as your extra warehouse.

Kanebridge can ship orders directly to your customer with a packing list & shipping label that identify you as the supplier. You can also use our *Custom Label* service to further simplify your supply chain.



Order By Credit Card *Instant Convenience*

We accept Visa, MasterCard, Discover and American Express for new sales orders and outstanding balances.

Free Manufacturers' Certifications *Quality authenticated*

Chemical & Physical certifications are available on all thru-hardened parts as well as all items made to military specifications. We keep all certifications archived and easily accessible. Call us or download the appropriate certifications directly from our website.

No Fault Return Policy *Peace of Mind*

We accept returns of full cartons for any reason. There is no restock charge when items are returned within 30 days, without any alterations and accompanied by a return authorization. Parts returned after 30 days are subject to a 20% restock fee; after 90 days returns may not be accepted. Returns should be in their original boxes and must not be mingled.

Thru-hardened or military-grade fasteners will not be accepted unless returned in their original box(es).

Traceability *Pinpoint Accuracy*

Lot Control is maintained on all items in our inventory.

Custom Labeling *Material Handling made easier*

Streamline your receiving operations by letting Kanebridge affix custom labels to each box you order. Include all info you need: part number, description, lot number & country of origin in alphanumeric and/or bar code formats





T: (800) 222-9221 sales@kanebridge.com

F: (201) 337-2301 www.kanebridge.com