

**BEAM LOAD CELLS**

**REPLACEMENT REFERENCE CHART**

To determine which TARE model to use for replacement, locate the manufacturer in the left column. To the right is listed the TARE recommended replacement load cell.

Use this chart as a guide only. Verify dimensions and performance specification with TARE INC prior to placing order.

<b>Model to be Replaced</b>	<b>TARE Model</b>
ARTECH 40310	RB
ARTECH 50210	MRB
ARTECH 70210	DESB
ARTECH SS30610	SB
BLH LGB1	RB
BLH SPB1	SRSB
CELTRON CSB	DESB
CELTRON DSR	DSB
CELTRON HED	DSL
FAIRBANKS 3-481931, 348662	RB
FAIRBANKS RODAN 91088-50KM 90814-40K	DSL
FAIRBANKS TRUCK SCALES	LC32
GENERAL SENOR GBB	RB
HBM 3-481XX-1,3-486XX-1	RB
HBM BBS-1	RB
HBM BBS-2	RB
HBM BCC 350 OHMS	SRSB
HBM BLC	BLC
HBM SB-3	SB
MUSE M2920	MRB
NIKKEI NBB	RB
NIKKEI NSB	RSB
NIKKEI NSBSS	SRSB
NIKKEI NSSB	SB
REVERE 5103	DESB
REVERE 5203	DSB
REVERE 5223	DSL
REVERE 5503,9503	MRB
REVERE 9803	9803
REVERE SSB	SB

<b>Model to be Replaced</b>	<b>TARE Model</b>
RICE LAKE 40310	RB
RICE LAKE 3000	RSB
RICE LAKE 39123	SRSB
RICE LAKE RL50210	MRB
RICE LAKE FL70000	DESB
RICE LAKE RL75016	DSB
RICE LAKE RL75223	DSL
RICE LAKE RLBLC	BLC
RICE LAKE RLSSB	SB
RICE LAKE RL50210SS	MRB
RICE LAKE RL40BBS	RB
RTI 5123	RSB
RTI 9123	SRSB
RTI-SSB	SB
RTI-5503	MRB
SENSORTRONICS 60007	RB
SENSORTRONICS 60040	MRB
SENSORTRONICS 60058	DESB
SENSORTRONICS 65016	DSB
SENSORTRONICS 65023	RSB
SENSORTRONICS 65023-SS	SRSB
SENSORTRONICS 65061A	DSL
TEDEA 3411	RSB
TEDEA 3421	SRSB
THURMAN TSC800	DS;
TOLEDO 1110, 1178, 12744300B	TB-2
TOLEDO BASE 2155, 2855	TB-2
TOLEDO 2095 PLATFORM	TB-2
TOLEDO/MASSTRON ML4447, ML4489, 13329000B	SMB6
TOTALCOMP TBM4	SMB6
TOTALCOMP TSB	RSB
TOTALCOMP TSB-SS	SRSB
TOTALCOMP TB40/TB41	MRB
UNIBRIDGE DL9000	DSL
VISHAY 60058	DESB



# BEAM LOAD CELLS

## TARE BLC BEAM

A Stainless Steel beam cell with welded cups, threaded load hole, designed for capacity high performance applications. Primarily used in bench and floor scales, batching and pharmaceutical applications. With standard 20 ft. cable. NTEP and FM approved.



Direct replacement for: HBM BLC, Rice Lake RLBLC

SAFE OVERLOAD: 150% FS      BRIDGE RESISTANCE: 1000 OHM  
 FULL SCALE OUTPUT: 3.00 Mv/V      NON-LINEARITY: +/- 0.02% FS  
 MAX EXCITATION VOLTAGE: 15VDC      COMPENSATED TEMP RANGE: 0-150° F

ORDER NO	CAPACITY	PRICE	NET
TARE-BLC-1000	1,000 lb	\$ 280.00	\$ 196.00
TARE-BLC-2500	2,500 lb	280.00	196.00
TARE-BLC-4000	4,000 lb	280.00	196.00
TARE-BLC-5000	5,000 lb	385.00	270.00
TARE-BLC-5000L	5,000 lb ( Large Element)	435.00	305.00
TARE-BLC-10000	10,000 lb	475.00	333.00

## TARE TISB BEAM

A rectangular shear beam with threaded load hole designed for direct replacement of RTI 5123, Sensortronics 65023, Artech 30310, TedeA 3400 cells. Used in low profile platforms. NIST approved COC# 86-044A2, FM Approved; With standard 20 ft. cable.



SAFE OVERLOAD: 150% FS      BRIDGE RESISTANCE: 350 OHM  
 FULL SCALE OUTPUT: 3 Mv/V      NON-LINEARITY: + 0.03% FS  
 MAX EXCITATION VOLTAGE: 15 VDC      COMPENSATED TEMP RANGE: 0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-TISB-250	250 lb	\$ 295.00	\$ 207.00
TARE-TISB-500	500 lb	295.00	207.00
TARE-TISB-1K	1000 lb	295.00	207.00
TARE-TISB-1.5K	1500 lb	295.00	207.00
TARE-TISB-2K	2000 lb	295.00	207.00
TARE-TISB-2.5K	2,500 lb	295.00	207.00
TARE-TISB-3K	3000 lb	295.00	207.00
TARE-TISB-4K	4000 lb	295.00	207.00
TARE-TISB-5K	5000 lb	295.00	207.00
TARE-TISB-10K	10,000 lb	375.00	263.00
SAME AS ABOVE BUT IN STAINLESS STEEL			
TARE-TISB-5KL	5,000 lb (large element)	325.00	228.00
TARE-TISB-10KL	10,000 lb (large element)	375.00	263.00
TARE-TISB-15KL	15,000 lb (Large Element)	650.00	455.00
TARE-TISB-20KL	20,000 lb (Large Element)	650.00	455.00
TARE-TISB-250-S	250 lb	365.00	256.00
TARE-TISB-500-S	500 lb	365.00	256.00
TARE-TISB-1K-S	1,000 lb	365.00	256.00
TARE-TISB-2K-S	2,000 lb	365.00	256.00
TARE-TISB-2.5K-S	2,500 lb	365.00	256.00
TARE-TISB-3K-S	3,000 lb	365.00	256.00
TARE-TISB-4K-S	4,000 lb	365.00	256.00
TARE-TISB-5K-S	5,000 lb	365.00	256.00
TARE-TISB-5KL-S	5,000(LE) lb	430.00	301.00
TARE-TISB-10K-S	10,000 lb	430.00	301.00
TARE-TISB-15K-S	15,000 lb	760.00	532.00
TARE-TISB-20K-S	20,000 lb	760.00	532.00



**TARE SB SHEAR BEAM**

A welded Stainless Steel beam cell designed for capacity high performance applications. Primarily used in bench and floor scales, batching and pharmaceutical applications. With standard 20 ft. cable. FM Approved.



Direct Replacement For: Rice Lake RLSSB, Revere SSB, HBM SB3, Artech SS30610

SAFE OVERLOAD: 150% FS      BRIDGE RESISTANCE: 350 OHM  
 FULL SCALE OUTPUT: 2.00 Mv/V      NON-LINEARITY: +/- 0.02% FS  
 MAX EXCITATION VOLTAGE: 15 VDC      COMPENSATED TEMP RANGE: 0-150° F

ORDER NO	CAPACITY	PRICE	NET
TARE-SB-1000	1,000 lb	\$ 645.00	\$ 452.00
TARE-SB-2000	2,000 lb	645.00	452.00
TARE-SB-5000	5,000 lb	645.00	452.00
TARE-SB-10000	10,000 lb	645.00	452.00

**TARE RSB SHEAR BEAM**

A rectangular shear beam with threaded load hole designed for direct replacement of RTI 5123 cells. Factory Mutual System approved for intrinsically safe applications, exceeds IP67 and NEMA 6 standards for washdown resistance. Used in low profile platforms and tank and hopper mounting assemblies. With standard 20 ft. cable.

SAFE OVERLOAD: 150% FS      BRIDGE RESISTANCE: 350 OHM  
 FULL SCALE OUTPUT: 3 Mv/V      NON-LINEARITY: + 0.03% FS  
 MAX EXCITATION VOLTAGE: 15 VDC      COMPENSATED TEMP RANGE: 0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-RSB-1K	1,000 lb	\$ 295.00	\$ 207.00
TARE-RSB-2K	2,000 lb	295.00	207.00
TARE-RSB-3K	3000 lb	295.00	207.00
TARE-RSB-2.5K	2,500 lb	285.00	207.00
TARE-RSB-4K	4,000 lb	295.00	207.00
TARE-RSB-5K	5,000 lbs	295.00	207.00
TARE-RSB-5KL	5,000 lb (Large Element)	325.00	228.00
TARE-RSB-10KL	10,000( lb Large Element)	375.00	263.00
TARE-RSB-15KL	15,000 lb (Large Element)	650.00	455.00
TARE-RSB-20KL	20,000 lb (Large Element)	650.00	455.00



**SAME AS ABOVE BUT IN STAINLESS STEEL**

TARE-SRSB-250	250 lb	345.00	242.00.00
TARE-SRSB-1K	1,000 lb	345.00	242.00
TARE-SRSB-2K	2,000 lb	345.00	242.00
TARE-SRSB-2.5K	2,500 lb	345.00	242.00
TARE-SRSB-4K	4,000 lb	345.00	242.00
TARE-SRSB-5K	5,000 lb	345.00	242.00
TARE-SRSB-5KL	5,000 lb (Large Element)	400.00	280.00
TARE-SRSB-10KL	10,000 lb (Large Element)	410.00	287.00



## TARE SRSB-HS SHEAR BEAM

A Stainless Steel Hermetically Sealed rectangular shear beam with threaded load hole. Factory Mutual System approved for intrinsically safe applications, exceeds IP67 and NEMA 6 standards for washdown resistance. Used in low profile platforms and tank and hopper mounting assemblies; w/ standard 20 ft. cable.



Direct Replacement for: RTI 5123

SAFE OVERLOAD:	150% FS	BRIDGE RESISTANCE:	350 OHM
FULL SCALE OUTPUT:	3 Mv/V	NON-LINEARITY:	+ 0.03% FS
MAX EXCITATION VOLTAGE:	15 VDC	COMPENSATED TEMP RANGE:	0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-SRSB-500 HS	500 lb	\$ 345.00	\$ 242.00
TARE-SRSB-1K HS	1,000 lb	405.00	284.00
TARE-SRSB-2K HS	2,000 lb	285.00	207.00
TARE-SRSB-2.5K HS	2,500 lb	345.00	242.00
TARE-SRSB-4K HS	4,000 lb	345.00	242.00
TARE-SRSB-5K HS	5,000 lb	695.00	487.00
TARE-SRSB-5KL HS	5,000 lb (Large Element)	325.00	228.00
TARE-SRSB-10KL HS	10,000 lb (Large Element)	445.00	312.00

## TARE MRB BEAM

A single-ended, round beam constructed of stainless steel; suitable for process control and batch weighing. Also used in support tanks, bins and hoppers. FM Approved. With standard 30 ft. cable.



Direct Replacement For: Rice Lake RL50210/RL50210SS, Revere 5503/9503, Artech 50210, Sensortronics 60040, Muse M2920

SAFE OVERLOAD:	150% FS	BRIDGE RESISTANCE:	350 OHM
FULL SCALE OUTPUT:	3.00 Mv/V	NON-LINEARITY	+/- 0.02% FS
MAX EXCITATION VOLTAGE:	15 VDC	COMPENSATED TEMP RANGE:	0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-MRB-25	25 lb	\$ 275.00	\$ 193.00
TARE-MRB-50	50 lb	275.00	193.00
TARE-MRB-75	75 lb	275.00	193.00
TARE-MRB-100	100 lb	275.00	193.00
TARE-MRB-150	150 lb	275.00	193.00
TARE-MRB-250	250 lb	275.00	193.00
TARE-MRB-500	500 lb	275.00	193.00

**TARE RB BEAM**

A single-ended, round beam constructed of stainless steel; suitable for process control and batch weighing. FM Approved. With standard 20 ft. cable.

Direct Replacement For: Rice Lake RL40BBS, Scentroidronics 60007, BLH LBG1, Fairbanks 3-481XX-1/3-486XX-1, HMB BBS1/BBS2, General Sensor GBB, Nikkel 40310, Artech 40310



SAFE OVERLOAD: 150% FS BRIDGE RESISTANCE: 50lb - 1KSE 750 OHM  
 BRIDGE RESISTANCE: 1KLE - 7.5K 350 OHM  
 FULL SCALE OUTPUT: 2.00 Mv/V NON-LINEARITY +/- 0.02% FS  
 MAX EXCITATION VOLTAGE: 15 VDC COMPENSATED TEMP RANGE: 0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-RB-50	50 lb	\$ 482.00	\$ 386.00
TARE-RB-100	100 lb	510.00	357.00
TARE-RB-200	200 lb		
TARE-RB-250	250 lb	482.00	386.00
TARE-RB-500	500 lb	482.00	386.00
TARE-RB-1KL	1,000 lb (Small or Large Element)	710.00	568.00
TARE-RB-2.5K	2,500 lb	735.00	588.00
TARE-RB-5K	5,000 lb	1200.00	960.00
TARE-RB-7.5K	7,500 lb	1200.00	960.00

**TARE DESB SHEAR BEAM**

A high performance double-ended center-loaded shear beam. For truck, track, tank, low profile and pitless scales. NIST and FM approved. With standard 50 ft. cable.

Direct Replacement For: Rice Lake 70000, Revere 5103, Celtron CSB, Artech 70210, Scentroidronics 60058, Vishay 60058



SAFE OVERLOAD: 150% FS BRIDGE RESISTANCE: 700 OHM  
 FULL SCALE OUTPUT: 3.00 Mv/V NON-LINEARITY: + 0.02% FS  
 MAX EXCITATION VOLTAGE: 15 VDC COMPENSATED TEMP RANGE: 0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-DESB-5K	5,000 lb	\$ 690.00	\$ 483.00
TARE-DESB-10K	10,000 lb	690.00	483.00
TARE-DESB-20K	20,000 lb	690.00	483.00
TARE-DESB-30K	30,000 lb	795.00	557.00
TARE-DESB-40K	40,000 lb	795.00	557.00
TARE-DESB-50K	50,000 lb	795.00	557.00
TARE-DESB-60K	60,000 lb	795.00	557.00
TARE-DESB-100K	100,000 lb	1565.00	1096.00
TARE-DESB-150K	150,000 lb	1565.00	1096.00
TARE-DESB-200K	200,000 lb	2450.00	1715.00
TARE-DESB-250K	250,000 lb	2450.00	1715.00



## TARE DSB DOUBLE ENDED SHEAR BEAM

Replacement for Sensortronics 65016 Double Ended Shear Beam load cells. With standard 50 ft. cable. FM approved

Direct Replacement For: Rice Lake RL75016, Sensortronics 65016, Revere 5203, Celtron DSR, Artech 70510.



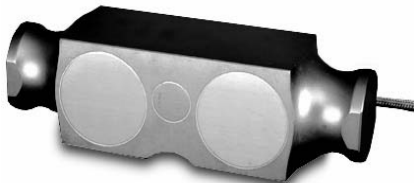
SAFE OVERLOAD:	150% FS	BRIDGE RESISTANCE:	700 OHM
FULL SCALE OUTPUT:	3.00 Mv/V	NON-LINEARITY:	+/- 0.02% FS
MAX EXCITATION VOLTAGE:	15 VDC	COMPENSATED TEMP RANGE:	0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-DSB-1K	1000 lb	\$ 545.00	\$ 382.00
TARE-DSB-1.5K	1500 lb	545.00	382.00
TARE-DSB--2K	2,000 lb	545.00	382.00
TARE-DSB-2.5K	2,500 lb	545.00	382.00
TARE-DSB-3K	3000 lb	545.00	382.00
TARE-DSB-5K	5000 lb	545.00	382.00
TARE-DSB-10K	10,000 lb	620.00	434.00
TARE-DSB-15K	15,000 lb	620.00	434.00
TARE-DSB-20K	20,000 lb	650.00	455.00
TARE-DSB-25K	25,000 lb	650.00	455.00
TARE-DSB-35K	35,000 lb	620.00	434.00
TARE-DSB-50K	50,000 lb	990.00	693.00
TARE-DSB-75K	75,000 lb (has square center)	995.00	697.00
TARE-DSB-100K	100,000 lb (has square center)	1725.00	1208.00
TARE-DSB-125K	125,000 lb (has square center)	1725.00	1208.00

## TARE DSL DOUBLE ENDED LINK SHEAR BEAM

Replacement for RTI 5223 Double Ended Link Shear Beam load cells. w/ standard 50 ft. cable. NTEP and FM approved

Direct Replacement For: Rice Lake RL75223, Revere 5223, Thurman TSC800, Celtron HED, Unibridge DL9000.



SAFE OVERLOAD:	150% FS	BRIDGE RESISTANCE:	700 OHM
FULL SCALE OUTPUT:	3.00 Mv/V	NON-LINEARITY:	+/- 0.02% FS
MAX EXCITATION VOLTAGE:	15 VDC	COMPENSATED TEMP RANGE:	0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-DSL-40K	40,000 lb	\$ 895.00	\$ 627.00
TARE-DSL-50K	50,000 lb	895.00	627.00
TARE-DSL-60K	60,000 lb	895.00	627.00
TARE-DSL-65K	65,000 lb	895.00	627.00
TARE-DSL-75K	75,000 lb	895.00	627.00
TARE-DSL-100K	100,000 lb	895.00	627.00
TARE-DSL-125K	125,000 lb	895.00	627.00

TARE REPLACEMENT SHEAR BEAM LOAD CELLS

TARE LC-32

A double-ended Shear Beam, designed as a direct replacement for FAIRBANKS TRUCK SCALE LOAD CELLS. Designed for heavy-duty applications in higher capacities. Ideal for use in vehicle weighing applications, larger tank or hopper weighing. With standard 60' cable. NTEP and FM Approved.

Direct Replacement For: Fairbanks Rodan 91088-50K/Rodan 90814-40K/Rodan, Sensortronics 65061A

SAFE OVERLOAD: 150% BRIDGE RESISTANCE: 700 OHM  
 FULL SCALE OUTPUT: 3.00 Mv/V NON-LINEARITY: +/- 0.02% FS  
 MAX. EXCITATION VOLT: 15V AC/DC COMPENSATED TEMP RANGE: 14 - +104° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-LC32-40K	40,000 lb	\$ 1044.00	\$ 731.00
TARE-LC32-50K	50,000 lb	1044.00	731.00
<b>Options</b>			
TARE-LC32-1	Load Button	65.00	46.00
TARE-LC32-2	Rocker Pin	75.00	53.00
TARE-LC32-3	Cell Support Pin	45.00	32.00
TARE-LC32-4			



TARE 9803 DOUBLE ENDED SHEAR BEAM

Direct Replacement for: Revere Transducer 9803 TWA Tank and Hopper scale load cells, HBM BLC, Rice Lake BLC; w/standard 50 ft. cable. FM Approved.

SAFE OVERLOAD: 150% FS BRIDGE RESISTANCE: 700 OHM  
 FULL SCALE OUTPUT: 3.00 Mv/V NON-LINEARITY: +/- 0.02% FS  
 MAX EXCITATION VOLTAGE: 15 VDC COMPENSATED TEMP RANGE: 0-150° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-9803-50K	50,000 lb	\$ 995.00	\$ 697.00
TARE-9803-65K	65,000 lb	995.00	697.00
TARE-9803-100K	100,000 lb	995.00	697.00



TARE SMB-6

A Single-Ended Alloy Steel Shear Beam. This load cell is environmentally sealed; w/standard 50' cable. FM Approved.

Direct Replacement For: Toledo-Masstron ML4447/ML4449/13329000B, Totalcomp TBM4

SAFE OVERLOAD: 150% BRIDGE RESISTANCE: 350 or 2000 OHM  
 FULL SCALE OUTPUT: 2.00 Mv/V NON-LINEARITY: +/- 0.02% RO  
 MAX. EXCITATION VOLT: 15 VDC COMPENSATED TEMP RANGE: -15 - +115° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-SMB-35K	35,000 lb (	\$ 1540.00	\$ 1078.00
TARE-SMB-45K	45,000 lb	1540.00	1078.00



# TARE REPLACEMENT SHEAR BEAM LOAD CELLS

## TARE TB-2

A single-ended Stainless Steel Shear Beam. With 20 ft standard cable. FM Approved. Environmentally sealed.

Direct Replacement For: Toledo 110 Series/1178 Series/12744300B/2155 Base/2855 Base/2095 Platform



SAFE OVERLOAD:	150%	BRIDGE RESISTANCE:	440 OHM
FULL SCALE OUTPUT:	2.00 Mv/V	NON-LINEARITY:	+ 0.01% FS
MAX. EXCITATION VOLT:	15 VDC	COMPENSATED TEMP RANGE:	0 - + 115° F

ORDER NO.	CAPACITY	PRICE	NET
TARE-TB2-100	100 lb	\$ 560.00	\$ 392.00
TARE-TB2-200	200 lb	560.00	392.00
TARE-TB2-500	500lb	560.00	392.00
TARE-TB2-1K	1000 lb	560.00	392.00
TARE-TB2-2K	2000 lb	560.00	392.00
	Options:		
TARE-TB2-A	Bearing Cup and Ball	95.00	67.00

## SPACER PLATES FOR SHEAR BEAM CELLS

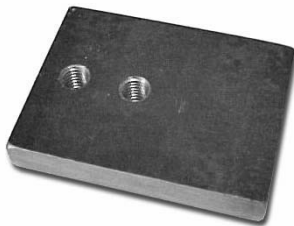
These spacer plates are available in Stainless Steel and Steel. They are used to provide a gap for Load Cell movement when using square Shear Beam Load Cells. Used in conjunction with the following type cells: RTI-5123, 9123, 5723, 9523; TARE-RSB,SRSB; TEDEA-3400 and SENSORTRONICS-65023.



ORDER NO.	DESCRIPTION	PRICE	NET
<b>STEEL</b>			
S-1	1K, 2.5K, 4K (1-3/16" X 2-1/4" X 9/16" Dia. Holes)	\$ 15.00	\$ 10.50
S-2	5K, 10K (1-1/2" X 3" X 13/16" Dia. Holes)	18.00	12.60
S-3	15K, 20K (2" X 4" X 1-1/16" Dia Holes)	27.00	19.25
<b>STAINLESS STEEL</b>			
SS-1	1K, 2.5K, 4K (1-3/16" X 2-1/4" X 9/16" Dia. Holes)	20.00	14.00
SS-2	5K, 10K (1-1/2" X 3" X 13/16" Dia Holes)	25.00	17.50
SS-3	15K, 20K (2" X 4" X 1-1/16" Dia. Holes)	30.00	21.00

## SHEAR BEAM MOUNTING PLATE

These Shear Beam Mounting Plates are made of steel with two 1/2-13 threaded holes. They will accommodate load cells from 1K to 5K (small element).



ORDER NO.	CAPACITY	PRICE	NET
S-4	15K-20K (1.0" x 4.0" x 6.0" x 1-8 Threaded Holes)	\$ 45.00	\$ 22.50
S-5	1K To 5K (5/8" x 3.0" x 4.0" x 1/2-13 Threaded Holes)	45.00	22.50
S-6	5K-10K (1.0" x 3.85" x 5.0" x 3/4-10 Threaded Holes)	28.00	14.00