

Humanetics Industrial Load Cell Matrix

Chart Order	Humanetics Load Cell / Calibration Fixture Offering					Auto Related										General						Other							
	Humanetics Load Cell Model	Load Cell Description	Load Cell Axis	Humanetics Calibration Fixture	Total Axis	AIR CURTAIN	B-PILLAR	BELT ANCHOR	CHILD SEAT RESTRAINT	LOAD PLATFORM (TIRE)	PEDAL FORCE	SEAT BELT	SEAT BELT MOUNTING	SEAT PAN	STEERING COLUMN	WINDOW SEAL	1 AXIS	2 AXIS	3 AXIS	4 AXIS	5 AXIS	6 AXIS	BARRIER	NEEDLE (PRESSURE)	LOAD BOLT	ROLLING RESISTANCE	SHEAR CAPSULE	SKID TRAILER	WHEEL FORCE
1	1599	6 Axis 3.00 Square Base Ø4.46 Round	FX FY FZ MX MY MZ	11197	6																								
2	1765	Steering Column Ø4.50 Round	FX FY FZ MY MZ	501,516,537,544	5																								
3	1910	Seat Belt 2" 3000 LBF	N/A	4126	1																								
5	1968	5 Axis Ø4.50 Round	FX FY FZ MX MY	3009	5																								
6	1968A	5 Axis Ø4.50 Round (700 ohm force)	FX FY FZ MX MY	3009	5																								
7	1994	6 Axis Ø5.00 Base Ø3.875 Round	FX FY FZ MX MY MZ	10877	6																								
8	2089	1 Axis Ø4.50 Base Ø3.50 Round	FZ		1																								
9	2109	Seat Belt Contact Force 2" 5 LBF	N/A	563	1																								
10	2177	Seat Pan Ø6.50 Round (480 ohm FZ) (10K, 10K, 10K)	FX FY FZ	2596	3																								
11	2177A	Seat Pan Ø6.50 Round (700 ohm FZ & Detachable Cable)	FX FY FZ	2596	3																								
12	2177S1	Seat Pan Ø6.50 Round (480 ohm FZ & 18" Cable)	FX FY FZ	2596	3																								
13	2177AS2	Seat Pan Ø6.50 Round (700 ohm FZ & Lemo Conn.)	FX FY FZ	2596	3																								
14	2177AS3	Seat Pan Ø6.50 Round (700 ohm FZ & Lemo Conn.)	FX FY FZ	2596	3																								
15	2281	5 Axis 1.85 Base 1.75 Square	FX FY FZ MX MY	3938	5																								
17	2346	Seat Belt 2" 5000 LBF	N/A	4126	1																								
18	2358	Seat Belt Mounting (M8 Mounting Stud)	FX FY FZ	6715	3																								
20	2369	Pedal Force 50 LBF	N/A	4759	1																								
21	2375	3 Axis Ø4.25 Base Ø3.25 Round	FX FY FZ	7467	3																								
22	2409	Window Seal Force	N/A		1																								
23	2419	3 Axis Ø2.62 Round	FX FY FZ	4331	3																								
24	2420	3 Axis 5.00 Square	FX FY FZ	4331	3																								
25	2420G	3 Axis 5.00 Square (Grounded)	FX FY FZ	4331	3																								
27	2475	Steering Column 3.62 Square (3000 LBF FZ)	FX FY FZ MX MY	10880	5																								
28	2475S1	Steering Column 3.62 Square (5000 LBF FZ)	FX FY FZ MX MY	10880	5																								
29	2513	Seat Pan Ø6.50 Round (10K Force, 25K Moment)	FX FY FZ MX MY MZ	4115	6																								
30	2513S1	Seat Pan Ø6.50 Round (Cable Exit 180°)	FX FY FZ MX MY MZ	4115	6																								
32	2527	Skid Trailer 5.965 Square (M1270)	FX FZ	4680	2																								

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33	2571	Load Bolt .75 Square 1/2-20 Thread	N/A		1																										
34	2573	Load Platform 2K LBF 8 X 12 (Ø33.62 Wheel)	FZ	STD.	1					.																					
35	2599	Steering Column Ø4.12 Round	FX FY FZ MX MY	2546	5										.																
36	2599-3	Steering Column Ø4.12 Round	FX FY FZ	2546	3										.																
37	2626	Steering Column Ø3.75 Round	FX FY FZ	STD.	3										.																
38	2655	B-Pillar Ø2.50 Round	FX FY FZ		3		.																								
39	2683	Steering Column Ø3.62 Round	FX FY FZ	2766	3										.																
40	2737	Steering Column Ø3.62 Round	FX FY FZ	2766	3										.																
41	2866F	Seat Pan 4.00 Square (Front 3K, 3K, 6K)	FX FY FZ	7670	3									.																	
42	2866R	Seat Pan 4.00 Square (Rear 7K, 7K, 9K)	FX FY FZ	7670	3									.																	
43	2880	3 Axis 4.00 Square	FX FY FZ	7670	3														.												
44	2881	3 Axis 3.00 Square	FX FY FZ	3081	3														.												
46	2971	Steering Column Ø4.00 Round (9K, 9K, 11.2K)	FX FY FZ	3804	3										.																
47	3008	Steering Column Ø4.50 Round	FX FY FZ	3009	3										.																
48	3100	6 Axis Ø8.00 Round	FX FY FZ MX MY MZ	7360	6																										
49	3101	6 Axis Ø8.00 Round	FX FY FZ MX MY MZ	7360	6																										
50	3103	5 Axis Ø8.00 Round	FX FY FZ MX MY	7360	5																										
51	3107	5 Axis Ø3.00 Round	FX FY FZ MX MY	4089	5																										
52	3118	5 Axis Ø3.00 Round	FX FY FZ MX MY	4089	5																										
53	3121	Steering Column Ø114.3mm Round	FX FY FZ MX MZ	11707	5										.																
54	3124	5 Axis Ø10.75 Round	FX FY FZ MX MZ		5																										
56	3140	Steering Column Ø3.62 Round	FX FY FZ	4199	3										.																
57	3160	Seat Belt Tension Force 2" 50 LBF	N/A	5345	1							.																			
58	3164	Steering Column Ø3.62 Round	FX FY FZ MY MZ	3499	5										.																
59	3176	Steering Column Ø4.12 Round	FX FY FZ MY MZ		5										.																
60	3235	5 Axis 3.00 Square	FX FY FZ MX MY	3279	5																										
61	3252	Barrier 9.00 X 10.00 Rectangular 80K LBF (Side Connector)	FX		1																										
62	3255	Seat Belt 2" 3000 LBF	N/A	4126	1							.																			

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63	32555	Seat Belt 2" 1500 LBF	N/A	4126	1							.																			
64	3346	Pedal Force 250 LBF	N/A	4759	1						.																				
65	3349	Steering Column Ø3.75 Round	FX FY FZ		3										.																
67	3371	Seat Belt 2" 1500 LBF	FX	5630	1							.																			
68	3428	Steering Column Ø3.62 Round	FX FY FZ MX MY	3507	5										.																
70	3452	Seat Belt Tension Force 2" 250 LBF	N/A	5345	1							.																			
71	3480	Steering Column Ø4.12 Round	FX FY FZ MX MY	5545	5										.																
72	3521	Needle 200 PSI Ø.095	N/A		1																			.							
73	3540	Seat Pan Ø6.50 Round (20K, 20K, 20K)	FX FY FZ	2596	3									.																	
74	3555	1 Axis Tension 1000 LBF (1/4-20 Thread)	N/A	10686	1												.														
75	3555S	1 Axis Tension 1000 LBF (1/4-28 Thread)	N/A	10687	1												.														
76	3573	Steering Column Ø3.62 Round	FX FY FZ MY MZ	4242	5										.																
77	3578	Needle 200 PSI Ø.095 (3.5mm Spacing)	N/A		2																			.							
78	3580	Load Platform 11K LBF 300mm X 400mm (Various Wheels)	FZ	STD.	1					.																					
79	3609	Steering Column Ø3.75 Round	FX FY FZ	3628	3										.																
80	3632	Load Platform 4K LBF 8 X 12 (16.81 & 33.64 Rad.)	FZ	STD.	1					.																					
81	3673	3 Axis 3.00 Square	FX FY FZ	3081	3																										
82	3740	Seat Belt 2" 3000 LBF	N/A	4126	1							.																			
83	3813	Seat Belt 2 1/2" 3000 LBF	N/A	4126	1							.																			
85	3845	Rolling Resistance 400 LBF	FX	504,505,535,552	1																					.					
86	3868	Steering Column Ø4.50 Round	FX FY FZ MX MY MZ	501,516,537,544	6										.																
87	3873	Steering Column Ø3.62 Round	FX FY FZ MY MZ	4242	5										.																
88	4004	3 Axis 7.00 8.00 Square (25' Fixed Cable)	FX FY FZ	501,524,525	3																										
89	4004S2	3 Axis 7.00 8.00 Square (18" Quick Disconnect)	FX FY FZ	501,524,525	3																										
90	4004S3	3 Axis 7.00 8.00 Square (42" Quick Disconnect)	FX FY FZ	501,524,525	3																										
91	4048	Steering Column Ø3.62 Round	FX FY FZ MX MY	5,305	5										.																
92	4062	Steering Column Ø3.50 Round	FX FY FZ MX MY	4234	5										.																
93	4070	1 Axis Ø1.50 Round M12x1.75 Stud	N/A	4674	1												.														

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94	4112	Seat Pan Ø6.50 Round (10K Force, 25K Moment)	FX FY FZ MX MY MZ	4115	6									.															
95	4125	Seat Pan Ø6.50 Round (10K Force, 25K Moment)	FX FY FZ MX MY MZ	4115	6									.															
96	4188	Steering Column Ø3.62 Round	FX FY FZ	4199	3										.														
97	4386	6 Axis Ø5.75 Round	FX FY FZ MX MY MZ	4387	6																	.							
98	4433	Load Platform 8000 kg 300mm X 500mm (Various Wheels)	FZ	STD.	1					.																			
99	4438	Belt Anchor 3" 5000 LBF (W/Amplifier Board)	FX FZ	4613	2			.																					
100	4521	Steering Column Ø2.36 Round	FX FY FZ	4775	3										.														
101	4526	6 Axis Ø5.75 Round	FX FY FZ MX MY MZ	4632	6																	.							
102	4531	Seat Belt Webbing 600 LBF	N/A		1							.																	
103	4548	Skid Trailer 6.754 Square (M1290)	FX FZ	10656	2																							.	
104	4639	Air Curtain (M6 X 1 Hole)	FX FY FZ	4794	3	.																							
106	4773	Barrier 123.50 mm Square 300 kN/150 kN (Rear Connector)	FX FY FZ	5200	3																		.						
107	4773S1	Barrier 123.50 mm Square 300 kN/150 kN (Side Connector)	FX FY FZ	5200	3										.								.						
108	4854	Seat Pan Ø6.50 Round (5K Force, 10K Moment)	FX FY FZ MX MY MZ	4115	6									.															
109	4930	Seat Belt Tension Force 2" 100 LBF (#8-32 Clamp Bolts)	N/A	5345	1							.																	
112	5148	Needle 500 PSI Ø.095	N/A		1																			.					
113	5149	Needle 500 PSI Ø.095 (3.5mm Spacing)	N/A		2																			.					
114	5155	Seat Belt 1.5" 1000 LBF	N/A	4126	1							.																	
115	5170	Belt Anchor 2" 7500 LBF	FX FZ	5311	2			.																					
116	5171	Steering Column Ø3.62 Round	FX FY FZ MY MZ	5305	5										.														
117	5246	Seat Belt 2" 5000 LBF	N/A	4126	1							.																	
118	5310	1 Axis Rectangular (Interface SML-200)	N/A	11780	1											.													
119	5314	Steering Column Ø2.00 Round	FX FY FZ MX MY	5300	5										.														
120	5315	Belt Anchor 1 3/4" 7500 LBF	FX FY FZ	5328	3			.																					
121	5325	Belt Anchor 3" 5000 LBF (No Amplifier Board)	FX FZ	4613	2			.																					
122	5424	1 Axis 40mm X 150mm Rectangular	FZ	10655	1											.													
123	5586	Pedal Force 300 LBF	N/A	4759	1					.																			
124	5665	Load Platform 4000 kg 400mm X 500mm (Ø62" Wheel)	FZ	STD.	1					.																			

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125	5755	Seat Belt 2" 1000 LBF	N/A	4126	1							.																		
126	5755S	Seat Belt 2" 1500 LBF	N/A	4126	1							.																		
127	5763	Barrier 123.50 mm Square 100 kN/50 kN (Rear Connector)	FX FY FZ	5925	3																		.							
129	5764	Barrier 123.50 mm Square 100 kN/50 kN (Rear Connector)	FX FY FZ	5925	3																		.							
130	5768	Steering Column Ø4.50 Round	FX MY MZ	3009	3										.															
133	5816	3 Axis 7.00 Square (40' Fixed Cable)	FX FY FZ	10652	3														.											
134	5845	Seat Belt 2" 200 LBF	N/A	4126	1							.																		
135	5880	Seat Belt Tension Force 2" 250 LBF	N/A	5345	1							.																		
137	5965	Child Seat Restraint 300 LBF	N/A	6045	1				.																					
141	5998	Steering Column Ø3.50 Round	FX FY FZ MY MZ	4242	5										.															
142	6122	Steering Column Ø3.62 Round	FX FY FZ	4199	3										.															
143	6200	Seat Belt 2" 3000 LBF Light Weight (104 g) (Detach. Cable)	N/A	4126	1							.																		
144	6200DTI	Seat Belt 2" 3000 LBF Light Weight (100 g) (Detach. Cable)	N/A	4126	1							.																		
145	6337	Load Platform 5K LBF 8 X 12 (16.81 & 33.64 Rad.)	FZ	STD.	1				.																					
146	6375	Seat Belt Tension Force 2" 100 LBF	N/A	5345	1							.																		
147	6376	Needle 200 PSI Ø.095 (5mm Spacing)	N/A		3																			.						
148	6377	Needle 500 PSI Ø.095 (10mm Spacing)	N/A		3																			.						
149	6400	Seat Belt Tension Force 2" 50 LBF	N/A	5345	1							.																		
150	6456	Needle 500 PSI Ø.134 Axial	N/A		1																			.						
151	6741	3 Axis 3.00 Square	FX FY FZ	6802	3														.											
152	6900	Seat Belt 2" 1000 LBF Light Weight (100 g)	N/A	4126	1							.																		
153	6900S	Seat Belt 2" 1500 LBF Light Weight (101 g)	N/A	4126	1							.																		
155	7414	3 Axis Ø3.50 Round	FX FY FZ	7534	3														.											
156	7470	Tether Load Cell W/Bracket	FX FY FZ	8095	3				.																					
157	7471	Child Seat Anchor W/Bracket	FX FY FZ	8100	3				.																					
158	7939	Belt Anchor 1500, 1500, 3000 LBF	FX FY FZ	8435	3			.																						
159	9325	Stationary Seat Belt 2" 675 LBF	N/A	9275	1							.																		
160	9370	Seat Pan Ø6.50 Round (20K, 20K, 20K)	FX FY FZ	2596	3								.																	

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161	9555	3 Axis 2.00 Square	FX FY FZ	2294	3														.										
162	10120	Seat Belt 3" 5000 LBF	N/A	10234	1							.																	
163	10170	Seat Pan Ø6.50 Round (20K Force, 75K Moment)	FX FY FZ MX MY MZ	4115	6								.																
164	10485	Steering Column Ø4.50 Round	FX FY FZ MX MY MZ	10488	6									.															
165	10520	Skid Trailer Platform 12.25 X 18.25	FX FZ	10671	2																						.		
166	IF-901	Steering Column Ø3.50 Round	FX FY FZ	9010-50	3									.															
167	IF-930	Seat Pan Ø6.50 Round (20K, 20K, 20K)	FX FY FZ	9300-50	3								.																
168	IF-964	Seat Belt 2" 3000 LBF Light Weight (118 g)	N/A	9640-50	1							.																	
169	IF-966	Seat Belt 2" 16 kN (3597 LBF) Light Weight (97 g)	N/A	4126	1							.																	
170	IF-981	Barrier 123 mm Square 400 kN (Rear Connector)	FX	9810-50	1																		.						
174	IF-988	Barrier 123.5 mm Square 300 kN/14 Nm (Rear Connector)	FX MY MZ	9880-50	3																		.						
175	IH-1060514	Barrier 123 mm Square 400/200 kN (Rear Connector)	FX FY	10611	2																		.						
179	IH-11213	Air Curtain (6.50mm Hole)	FX FY FZ	4794	3	.																							