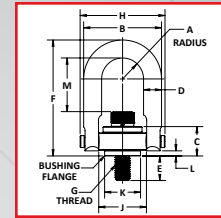


SAFETY ENGINEERED HOIST RINGS

- Material: High strength 4140 alloy steel
- Range of movement: Swivel 360°, Pivot 180° Under Load
- Design Factor: Minimum of 5:1
- Meets manufacturing and design requirements of ASME-B30.26 and MIL-STD 209
- Magnetic Particle Inspected Per ASTM 1444
- Black oxide coated
- Each Individually Serial Numbered



Part No.	Rated Load (lbs)	A	B	C	D	E +/- .12	F	G	H	J	K	L	M	TL* (ft-lbs)	Weight (lbs)
23050	550	.43	1.61	.71	3/8	.54	2.67	1/4-20	1.84	1.00	.75	.17	1.33	5	5 oz.
23051	800	.43	1.61	.71	3/8	.29	2.67	5/16-18	1.84	1.00	.75	.17	1.27	7	5 oz.
23052	800	.43	1.61	.71	3/8	.54	2.67	5/16-18	1.84	1.00	.75	.17	1.27	7	5 oz.
23053	1000	.43	1.61	.71	3/8	.54	2.67	3/8-16	1.84	1.00	.75	.17	1.21	12	5 oz.
23301	2500	.70	2.40	.93	1/2	1.07	3.77	1/2-13	2.58	1.49	1.25	.20	1.84	28	1 lb
23004	2500	.88	3.25	1.22	3/4	.78	4.78	1/2-13	3.52	1.99	1.50	.16	2.31	28	2 lb. 5 oz
•23322	2500	.88	3.25	1.22	3/4	.78	6.72	1/2-13	3.52	1.99	1.50	.16	4.25	28	2 lb. 12 oz
23005	2500	.88	3.25	1.22	3/4	1.03	4.78	1/2-13	3.52	1.99	1.50	.16	2.31	28	2 lb. 5 oz
•23323	2500	.88	3.25	1.22	3/4	1.03	6.72	1/2-13	3.52	1.99	1.50	.16	4.25	28	2 lb
23006	2500	.88	3.25	1.22	3/4	1.28	4.78	1/2-13	3.52	1.99	1.50	.16	2.31	28	2 lb. 5 oz
•23324	2500	.88	3.25	1.22	3/4	1.28	6.72	1/2-13	3.52	1.99	1.50	.16	4.25	28	2 lb. 12 oz
23001	4000	.88	3.25	1.22	3/4	.78	4.78	5/8-11	3.52	1.99	1.50	.16	2.18	60	2 lb. 7 oz
•23319	4000	.88	3.25	1.22	3/4	.78	6.72	5/8-11	3.52	1.99	1.50	.16	4.12	60	2 lb. 12 oz
23002	4000	.88	3.25	1.22	3/4	1.03	4.38	5/8-11	3.52	1.99	1.50	.16	2.18	60	2 lb. 7 oz
•23320	4000	.88	3.25	1.22	3/4	1.03	6.72	5/8-11	3.52	1.99	1.50	.16	4.12	60	2 lb. 14 oz
23003	4000	.88	3.25	1.22	3/4	1.28	4.38	5/8-11	3.52	1.99	1.50	.16	2.18	60	2 lb. 9 oz
•23321	4000	.88	3.25	1.22	3/4	1.28	6.72	5/8-11	3.52	1.99	1.50	.16	4.12	60	3 lb
23007	5000	.88	3.25	1.22	3/4	1.03	4.78	3/4-10	3.52	1.99	1.50	.16	2.06	100	2 lb. 9 oz
•23325	5000	.88	3.25	1.22	3/4	1.03	6.72	3/4-10	3.52	1.99	1.50	.16	4.00	100	3 lb
23008	5000	.88	3.25	1.22	3/4	1.28	4.78	3/4-10	3.52	1.99	1.50	.16	2.06	100	2 lb. 8 oz
•23326	5000	.88	3.25	1.22	3/4	1.28	6.72	3/4-10	3.52	1.99	1.50	.16	4.00	100	3 lb. 1 oz
23009	5000	.88	3.25	1.22	3/4	1.53	4.78	3/4-10	3.52	1.99	1.50	.16	2.06	100	3 lb. 1 oz
•23327	5000	.88	3.25	1.22	3/4	1.53	6.72	3/4-10	3.52	1.99	1.50	.16	4.00	100	7 lb. 4 oz
23102	7000^	1.40	4.80	1.71	1"	1.04	6.52	3/4-10	5.14	3.00	2.37	.24	3.06	100	6 lb. 10 oz
•23329	7000^	1.40	4.80	1.71	1"	1.04	8.11	3/4-10	5.14	3.00	2.37	.24	4.65	100	6 lb. 10 oz
23103	7000^	1.40	4.80	1.71	1"	1.54	6.52	3/4-10	5.14	3.00	2.37	.24	3.06	100	6 lb. 12 oz
•23330	7000^	1.40	4.80	1.71	1"	1.54	8.11	3/4-10	5.14	3.00	2.37	.24	4.65	100	6 lb. 12 oz
23101	8000	1.40	4.80	1.71	1"	1.04	6.52	7/8-9	5.14	3.00	2.37	.24	2.93	160	7 lb
•23328	8000	1.40	4.80	1.71	1"	1.04	8.11	7/8-9	5.14	3.00	2.37	.24	4.52	160	7 lb
23105	10000	1.40	4.80	1.71	1"	1.29	6.52	1"-8	5.14	3.00	2.37	.24	2.81	230	7 lb
•23331	10000	1.40	4.80	1.71	1"	1.29	8.11	1"-8	5.14	3.00	2.37	.24	4.40	230	7 lb
23106	10000	1.40	4.80	1.71	1"	1.54	6.52	1"-8	5.14	3.00	2.37	.24	2.81	230	7 lb
•23332	10000	1.40	4.80	1.71	1"	1.54	8.11	1"-8	5.14	3.00	2.37	.24	4.40	230	7 lb
23107	10000	1.40	4.80	1.71	1"	2.29	6.52	1"-8	5.14	3.00	2.37	.24	2.81	230	7 lb
•23333	10000	1.40	4.80	1.71	1"	2.29	8.11	1"-8	5.14	3.00	2.37	.24	4.40	230	7 lb
23108	10000	1.40	4.80	1.71	1"	2.29	6.52	1-1/8"-8	5.14	3.00	2.37	.24	2.81	230	7 lb
†23402	15000	1.75	6.00	2.11	1-1/4	1.89	8.73	1-1/4"-8	6.50	3.76	3.2	.35	4.12	470	14 lb
23401	15000	1.75	6.00	2.11	1-1/4	1.89	8.73	1-1/4"-7	6.50	3.76	3.20	.35	4.12	470	14 lb
†23204	24000	2.25	8.00	2.81	1-3/4	2.70	12.47	1-1/2"-8	8.55	4.87	4.20	.47	6.41	800	33 lb. 12 oz
23202	24000	2.25	8.00	2.81	1-3/4	2.70	12.47	1-1/2"-6	8.55	4.87	4.20	.47	6.41	800	33 lb. 12 oz
†23203	30000	2.25	8.00	2.81	1-3/4	2.96	12.47	2"-8	8.55	4.87	4.20	.47	6.41	1100	36 lb
†23200	30000	2.25	8.00	2.81	1-3/4	2.96	12.47	2"-4-1/2	8.55	4.87	4.20	.47	6.41	1100	36 lb
23201	30000	2.25	8.00	2.81	1-3/4	2.96	12.47	2"-4-1/2	8.55	4.87	4.20	.47	6.41	1100	36 lb
†23501	50000	3.00	10.50	4.09	2-1/4	4.00	16.87	2-1/2"-8	11.67	6.52	5.75	1.12	8.03	2100	87 lb. 8 oz
†23503	50000	3.00	10.50	4.09	2-1/4	4.00	16.87	2-1/2"-4	11.67	6.52	5.75	1.12	8.03	2100	87 lb. 8 oz
†23600	75000	3.75	13.00	5.27	2-3/4	5.20	19.50	3"-4	14.15	8.10	7.25	1.00	8.48	4300	166 lb
†23701	100000	4.00	14.50	6.06	3-1/4	7.00	22.09	3-1/2"-4	15.90	8.60	7.25	1.09	9.28	6600	240 lb
†23751	150000	5.00	18.00	7.50	4.00	8.50	27.38	4-1/4"-4	19.69	10.75	9.87	1.33	12.13	12000	525 lb
†23760	200000	6.00	22.00	9.00	5.00	9.00	33.00	5"-4	24.00	13.00	12.38	1.88	14.50	19800	760 lb
†23770	250000	6.00	22.00	9.00	5.00	9.00	33.00	6"-4	24.00	13.00	12.38	1.88	14.00	29000	841 lb

For higher working load limits, see EZ-Torque Hoist Rings.

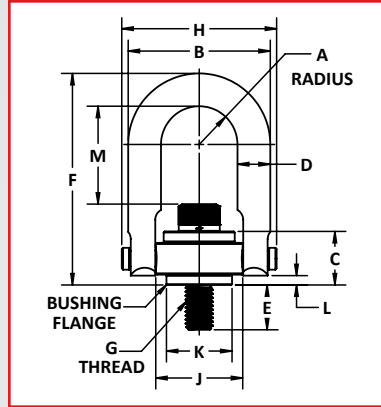
† Supplied with stud and nut • Long Bar Models * Recommended Torque Load

^ The 7,000 lb. W.L.L. when loaded at 90 degrees to the bolt axis, is established with a 4.5 design factor

SAFETY ENGINEERED HOIST RINGS METRIC



- Material: High strength 4140 alloy steel
- Range of movement: Swivel 360°, Pivot 180° Under Load
- Design Factor: Minimum of 5:1
- Meets manufacturing and design requirements of ASME-B30.26 and MIL-STD 209
- Magnetic Particle Inspected Per ASTM 1444
- Black oxide coated
- Each Individually Serial Numbered



Part No.	Rated Load (kg)	A	B	C	D	E +/- 3.0	F	G	H	J	K	L	M	TL* (Nm)	Weight (kg)
24008	400	10.9	40.9	18.0	9.5	17	67.8	M8 x 1.25	46.7	25.4	19.1	4.3	32.1	9.5	0.14
24010	450	10.9	40.9	18.0	9.5	17	67.8	M10 x 1.5	46.7	25.4	19.1	4.3	30.2	16.0	0.14
24012	1050	22.4	82.5	31.0	19.0	19	121.4	M12 x 1.75	89.4	50.5	38.0	4.1	59.4	37.0	1.05
•24014	1050	22.4	82.5	31.0	19.0	19	170.6	M12 x 1.75	89.4	50.5	38.0	4.1	108.6	37.0	1.27
24016	1900	22.4	82.5	31.0	19.0	24	121.4	M16 x 2.0	89.4	50.5	38.0	4.1	55.4	80.0	1.11
•24018	1900	22.4	82.5	31.0	19.0	24	170.6	M16 x 2.0	89.4	50.5	38.0	4.1	104.6	80.0	1.33
24020	2200	22.4	82.5	31.0	19.0	30	121.4	M20 x 2.5	89.4	50.5	38.0	4.1	51.4	135.0	1.16
•24021	2200	22.4	82.5	31.0	19.0	30	170.6	M20 x 2.5	89.4	50.5	38.0	4.1	100.6	135.0	1.38
24022	3000	35.6	121.2	43.4	25.4	29	165.8	M20 x 2.5	130.5	76.2	58.7	6.1	77.0	135.0	3.06
•24023	3000	35.6	121.2	43.4	25.4	29	206.7	M20 x 2.5	130.5	76.2	58.7	6.1	117.9	135.0	3.77
24024	4200	35.6	121.2	43.4	25.4	34	165.8	M24 x 3.0	130.5	76.2	58.7	6.1	73.0	311.0	3.18
•24026	4200	35.6	121.2	43.4	25.4	34	206.7	M24 x 3.0	130.5	76.2	58.7	6.1	113.9	311.0	3.89
24030	4500	35.6	121.2	43.4	25.4	54	165.8	M30 x 3.5	130.5	76.2	58.7	6.1	67.0	311.0	3.30
•24032	4500	35.6	121.2	43.4	25.4	54	206.7	M30 x 3.5	130.5	76.2	58.7	6.1	109.9	311.0	4.01
24040	7000	44.5	152.4	53.6	31.8	46	221.7	M30 x 3.5	165.1	95.5	81.3	8.9	106.3	637.2	6.36
24042	7000	44.5	152.4	53.6	31.8	66	221.7	M30 x 3.5	165.1	95.5	81.3	8.9	106.3	637.2	6.70
24050	11000	57.2	203.2	71.4	44.5	69	316.7	M36 x 4.0	217.2	123.7	106.7	11.9	164.8	1085.5	15.34
†24052	12500	57.2	203.2	71.4	44.5	79	316.7	M42 x 4.5	217.2	123.7	106.7	11.9	158.8	1085.5	15.91
†24054	13500	57.2	203.2	71.4	44.5	79	316.7	M48 x 5.0	217.2	123.7	106.7	11.9	152.8	1085.5	16.36
†24060	22000	76.2	266.7	104.0	57.2	102	428.5	M64 x 6.0	296.4	165.6	146.1	28.4	203.3	2847.5	39.77
†24062	31500	95.25	330.2	133.9	69.85	132	495.3	M72 x 6.0	368.3	205.74	184.15	25.4	215.39	5670	75.45
†24064	51000	101.60	368.3	153.9	82.55	178	561.09	M90 x 6.0	403.86	218.44	196.85	27.69	235.71	9560	109.09

† Supplied with stud and nut

* Recommended Torque Load

NOTE: DIMENSIONS ARE IN MILLIMETERS