

OVERHAUL BALLS- SPLIT BALL

- **Miller's Split Headache Balls provide a convenient way to add weight to wire rope at any point.**
- Split halves bolt together for clamping on the rope.
- Sizes for rope from 3/8" to 7/8".
- Overhaul weights of 20, 50 and 100 lbs.
- Cast iron with Miller Yellow enamel finish



Model Number	Rope Size	A	Weight Lbs.
HB20	3/8	5.00	20
HB50	1/2, 5/8	7.00	50
HB100	5/8, 3/4, 7/8	9.00	100

OVERHAUL BALLS- ASSEMBLIES Y-LINK

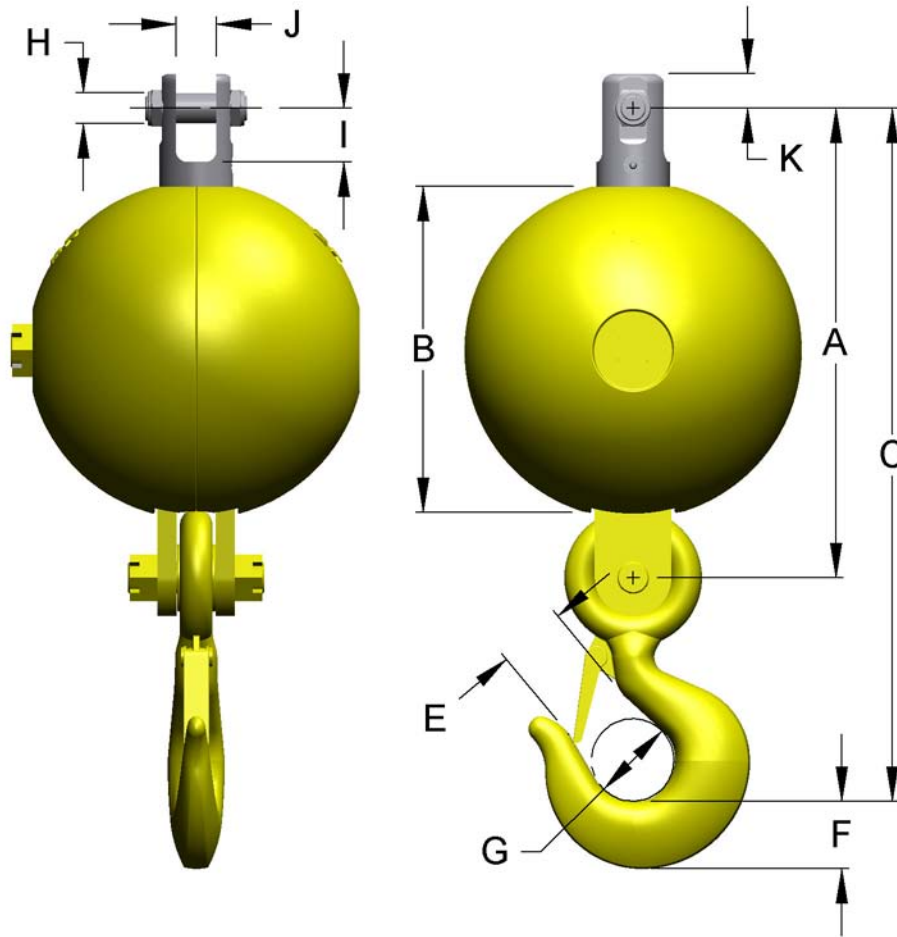
TOP SWIVELING OVERHAUL BALL ASSEMBLIES WITH ANGULAR CONTACT BALL BEARINGS

- **Miller's highest performance overhaul ball assemblies are uniquely equipped with Miller Y-Link angular contact ball bearing swivels for maximum response to wire rope movement and long term durability.**
- Top swiveling- ball remains stationary if wire rope twists.
- Available with four upper fittings styles: clevis, eye, wedge, and thimble.
- Overhaul weights to 1200 lbs. Special heavier weights are available.
- Working Loads from 3 to 35 tons, for 5/8" to 1 1/2" wire rope.
- Easy, quick replacement of component parts- swivel replaced with appropriate standard Miller Y-Link model.
- Drop Forged alloy steel hook with safety latch.
- Design factor 5: 1.
- Note: Type 5 (only) is a non-swiveling model.



OVERHAUL BALLS- ASSEMBLIES Y-LINK

CLEVIS TO HOOK - TYPE 1

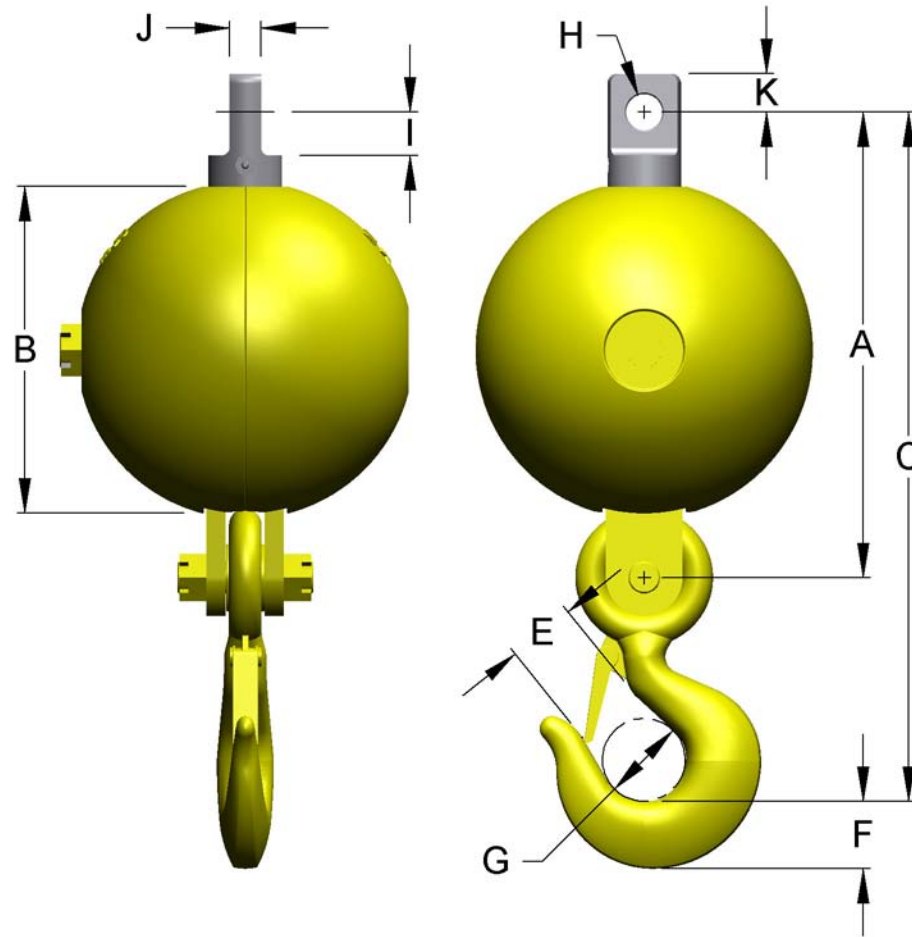


WLL* Tons	Model Number	Rope Size	A	B	C	E	F	G	H	I	J	K	Weight Lbs.	SWIVEL
5	HB7-1	5/8	13.63	7	20.44	1.61	1.81	2.50	0.88	1.56	1.00	1.13	65	D-112
5	HB8-1	5/8	13.63	9	20.44	1.61	1.81	2.50	0.88	1.56	1.00	1.13	100	D-112
8.5	HB9B-1	3/4	16.50	9	25.75	2.27	2.59	3.25	1.19	2.19	1.56	1.34	130	EE-112
8.5	HB10B-1	3/4	16.50	10	25.75	2.27	2.59	3.25	1.19	2.19	1.56	1.34	170	EE-112
8.5	HB11B-1	3/4	17.38	11	26.63	2.27	2.59	3.25	1.19	2.19	1.56	1.34	215	EE-112
8.5	HB12-1	3/4	17.38	12	26.63	2.27	2.59	3.25	1.19	2.19	1.56	1.34	265	EE-112
8.5	HB13B-1	3/4	17.38	12	27.63	2.27	2.59	3.25	1.19	2.19	1.56	1.34	330	EE-112
10	HB13C-1	7/8	22.13	13	32.88	3.02	3.00	4.25	1.5	3.50	1.75	1.75	364	GG-112
15	HB13D-1	1	22.13	13	32.88	3.02	3.00	4.25	1.5	3.50	1.75	1.75	364	GG-112
25	HB13E-1	1-1/2	25.44	13	37.75	3.25	3.62	5.00	2	3.69	2.00	2.38	416	H-112
35	HB13F-1	1-1/2	25.44	13	41.5	3	4.56	5.38	2	3.69	2.00	2.38	490	HH-112
10	HB16-1	7/8	24.63	16	35.38	2.27	2.59	3.25	1.5	3.50	1.75	1.75	600	GG-112
15	HB16B-1	1	24.63	16	35.38	3.02	3.00	4.25	1.5	3.50	1.75	1.75	600	GG-112
25	HB16C-1	1-1/2	26.94	16	39.63	3.25	3.62	5.00	2	3.69	2.00	2.38	650	H-112
35	HB16D-1	1-1/2	26.94	16	44	3	4.56	5.38	2	3.69	2.00	2.38	720	HH-112
10	HB18G-1	7/8	24.93	18	42.21	3.02	3.00	4.25	1.5	3.50	1.75	1.75	800	G-112
15	HB18GG-1	1	24.93	18	42.21	3.02	3.00	4.25	1.5	3.50	1.75	1.75	800	GG-112

* Design factor 5:1

OVERHAUL BALLS- ASSEMBLIES Y-LINK

EYE TO HOOK - TYPE 2

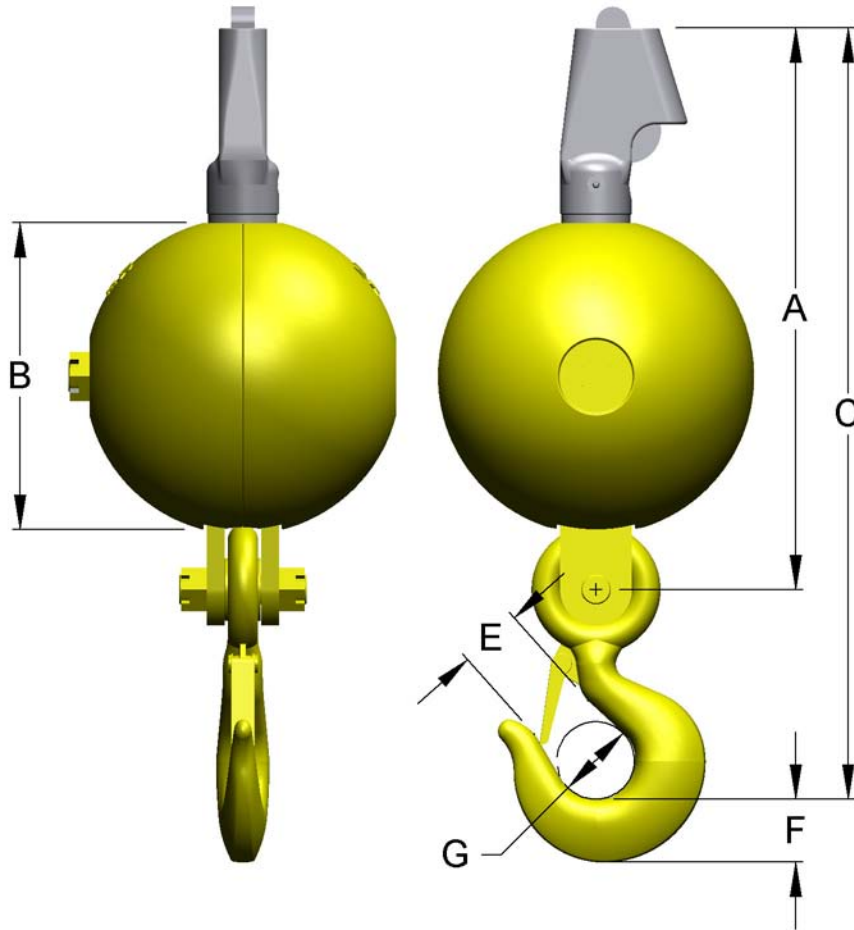


WLL* Tons	Model Number	Rope Size	A	B	C	E	F	G	H	I	J	K	Weight Lbs.	SWIVEL
5	HB7-2	5/8	13.56	7	20.38	1.61	1.81	2.50	1.28	1.56	1.00	1.19	65	D-212
5	HB8-2	5/8	13.56	9	20.38	1.61	1.81	2.50	1.28	1.56	1.00	1.19	100	D-212
8.5	HB9B-2	3/4	16.31	9	25.56	2.27	2.59	3.25	1.41	1.94	1.25	1.50	130	EE-212
8.5	HB10B-2	3/4	16.31	10	25.56	2.27	2.59	3.25	1.41	1.94	1.25	1.50	170	EE-212
8.5	HB11B-2	3/4	17.19	11	26.44	2.27	2.59	3.25	1.41	1.94	1.25	1.50	215	EE-212
8.5	HB12-2	3/4	17.19	12	26.44	2.27	2.59	3.25	1.41	1.94	1.25	1.50	265	EE-212
8.5	HB13B-2	3/4	18.19	12	27.44	2.27	2.59	3.25	1.41	1.94	1.25	1.50	330	EE-212
10	HB13C-2	7/8	22.06	13	32.81	3.02	3.00	4.25	2.03	2.84	1.75	1.81	363	GG-212
15	HB13D-2	1	21.75	13	32.5	3.02	3.00	4.25	2.03	2.84	2.00	2.13	363	GG-212
25	HB13E-2	1-1/2	25.56	13	37.75	3.25	3.62	5.00	2.31	2.88	2.25	2.38	413	H-212
35	HB13F-2	1-1/2	25.56	13	41.5	3	4.56	5.38	2.31	2.88	2.25	2.38	487	HH-212
10	HB16-2	7/8	24.25	16	35	2.27	2.59	3.25	2.03	2.84	1.75	1.81	600	GG-212
15	HB16B-2	1	24.25	16	35	3.02	3.00	4.25	2.03	2.84	2.00	2.13	600	GG-212
25	HB16C-2	1-1/2	26.94	16	39.63	3.25	3.62	5.00	2.31	2.88	2.25	2.38	650	H-212
35	HB16D-2	1-1/2	26.94	16	44	3	4.56	5.38	2.31	2.88	2.25	2.38	720	HH-212
10	HB18G-2	7/8	24.87	18	37.4	3.02	3.00	4.25	1.66	2.84	1.75	1.75	800	G-212
15	HB18GG-2	1	24.87	18	37.4	3.02	3.00	4.25	2.03	2.84	2.00	2.00	800	GG-212

* Design factor 5:1

OVERHAUL BALLS- ASSEMBLIES Y-LINK

WEDGE TO HOOK - TYPE 3

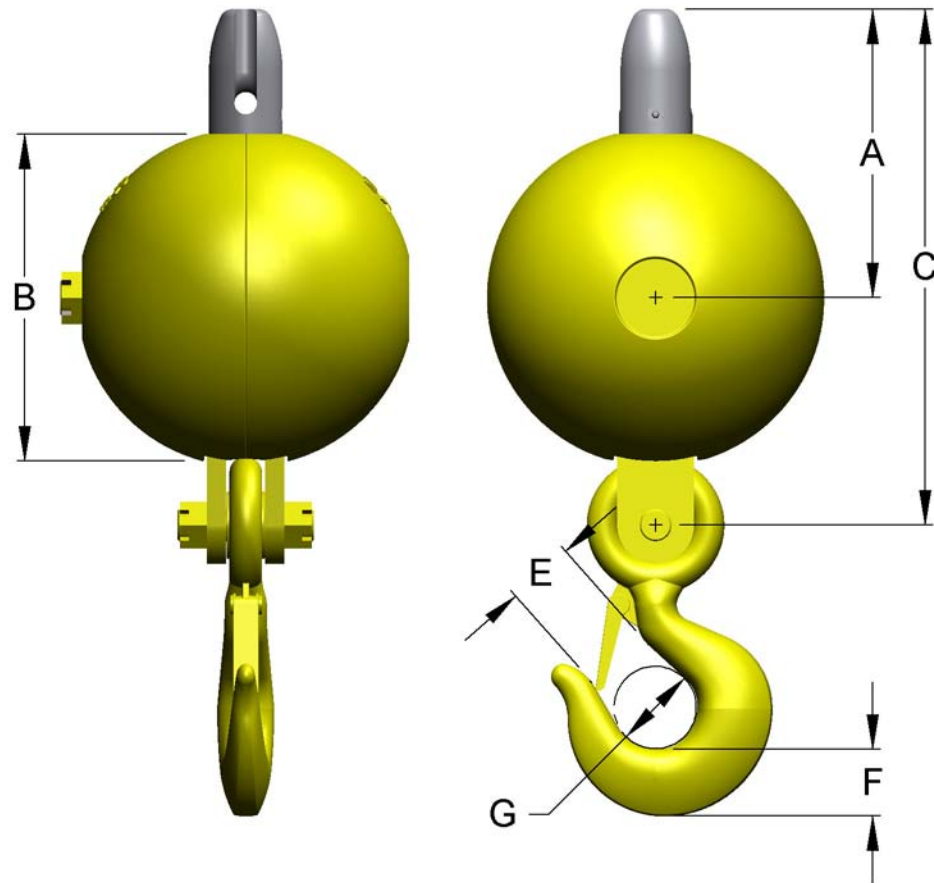


WLL* Tons	Model Number	Rope Size	A	B	C	E	F	G	H	I	J	K	Weight Lbs.	SWIVEL
5	HB7-3	1/2, 5/8	18.25	7	25.06	1.61	1.81	2.50	1.25	1.56	1.00	1.19	65	D-712
5	HB8-3	1/2, 5/8	18.25	9	25.06	1.61	1.81	2.50	1.25	1.56	1.00	1.19	100	D-712
8.5	HB9B-3	1/2, 5/8, 3/4	21.25	9	30.5	2.27	2.59	3.25	1.41	1.94	1.25	1.50	130	EE-712
8.5	HB10B-3	1/2, 5/8, 3/4	21.25	10	30.5	2.27	2.59	3.25	1.41	1.94	1.25	1.50	170	EE-712
8.5	HB11B-3	1/2, 5/8, 3/4	22.13	11	31.38	2.27	2.59	3.25	1.41	1.94	1.25	1.50	215	EE-712
8.5	HB12-3	1/2, 5/8, 3/4	22.13	12	31.38	2.27	2.59	3.25	1.41	1.94	1.25	1.50	265	EE-712
8.5	HB13B-3	1/2, 5/8, 3/4	23.13	12	32.38	2.27	2.59	3.25	1.41	1.94	1.25	1.50	336	E-712
10	HB13C-3	3/4, 7/8, 1	27.88	13	38.63	3.02	3.00	4.25	2.03	2.84	1.75	1.81	370	G-712
15	HB13D-3	3/4, 7/8, 1	27.88	13	38.63	3.02	3.00	4.25	2.03	2.84	2.00	2.13	370	GG-712
25	HB13E-3	1 1/8, 1 1/4	34.31	13	46.63	3.25	3.62	5.00	2.31	2.88	2.25	2.38	439	H-712
35	HB13F-3	1 1/8, 1 1/4	34.31	13	50.38	3	4.56	5.38	2.31	2.88	2.25	2.38	513	HH-712
10	HB16-3	3/4, 7/8, 1	28.31	16	39.56	2.27	2.59	3.25	2.03	2.84	1.75	1.81	600	GG-712
15	HB16B-3	3/4, 7/8, 1	28.31	16	39.56	3.02	3.00	4.25	2.03	2.84	2.00	2.13	600	GG-712
10	HB18G-3	3/4, 7/8, 1	24.93	18	45.03	3.02	3.00	4.25	1.66	2.84	1.75	1.75	800	G-712

* Design factor 5:1

OVERHAUL BALLS- ASSEMBLIES Y-LINK

THIMBLE TO HOOK - TYPE 4

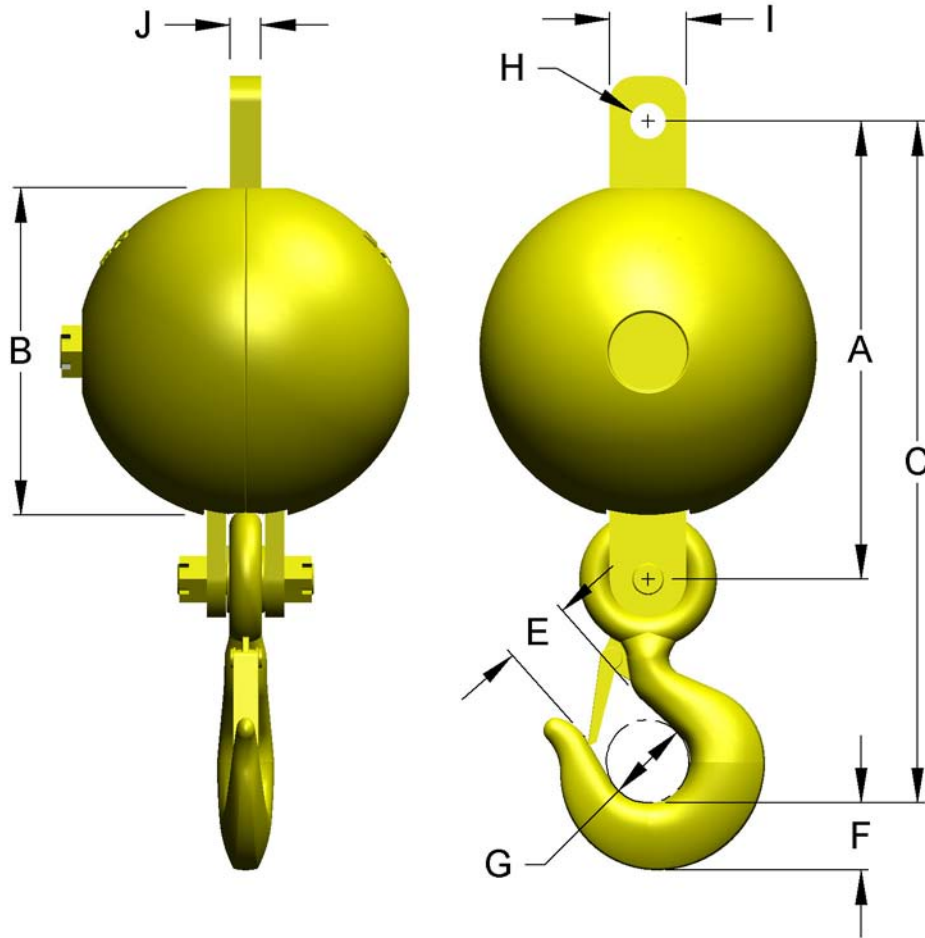


WLL* Tons	Model Number	Rope Size	A	B	C	E	F	G	Weight Lbs.	SWIVEL
5	HB7-4	5/8	15.00	7	21.81	1.61	1.81	2.50	65	D-612
5	HB8-4	5/8	15.00	9	21.81	1.61	1.81	2.50	100	D-612
8.5	HB9B-4	3/4	18.44	9	21.56	2.27	2.59	3.25	130	EE-612
8.5	HB10B-4	3/4	18.44	10	27.56	2.27	2.59	3.25	170	EE-612
8.5	HB11B-4	3/4	19.19	11	28.44	2.27	2.59	3.25	215	EE-612
8.5	HB12-4	3/4	19.44	12	28.44	2.27	2.59	3.25	265	EE-612
8.5	HB13B-4	3/4	20.19	12	29.44	2.27	2.59	3.25	332	EE-612
10	HB13C-4	7/8	23.63	13	34.38	3.02	3.00	4.25	366	G-612
15	HB13D-4	1	23.63	13	34.38	3.02	3.00	4.25	366	GG-612
25	HB13E-4	1-1/2	27.56	13	39.88	3.25	3.62	5.00	420	H-612
35	HB13F-4	1-1/2	27.56	13	44.13	3	4.56	5.38	500	HH-612
10	HB16-4	7/8	26.13	16	36.88	2.27	2.59	3.25	600	GG-612
15	HB16B-4	1	26.13	16	36.88	3.02	3.00	4.25	600	GG-612
25	HB16C-4	1-1/2	29.44	16	41.63	3.25	3.62	5.00	650	H-612
35	HB16D-4	1-1/2	29.31	16	45.88	3	4.56	5.38	720	HH-612
10	HB18G-4	7/8	26.44	18	38.97	3.02	3.00	4.25	800	G-612
15	HB18GG-4	1	26.44	18	38.97	3.02	3.00	4.25	800	HH-612

* Design factor 5:1

OVERHAUL BALLS- ASSEMBLIES Y-LINK

NON-SWIVELING EYE TO HOOK - TYPE 5



WLL* Tons	Model Number	A	B	C	E	F	G	H	I	J	Weight Lbs.
5	HB8-5	13.50	8	19.88	1.61	1.81	2.50	1.03	2.50	.88	95
5	HB12-5	16.31	12	22.81	1.61	1.81	2.50	1.44	3.00	1.25	250
8.5	HB12B-5	18.19	12	26.88	2.27	2.59	3.25	1.44	3.00	1.25	250
8.5	HB10-5	16.50	10	22.81	2.27	2.59	3.25	1.53	3.00	1.25	165
8.5	HB13-5	17.38	13	26.03	2.27	2.59	3.25	1.53	3.00	1.25	328
8.5	HB11-5	17.13	11	26.78	2.27	2.59	3.25	1.53	3.00	1.25	215
10	HB16-5	24.25	16	35	2.27	2.59	3.25	1.81	4.00	1.50	550
10	HB18G-5	24.88	18	35.63	2.27	2.59	3.25	1.63	4.00	1.72	800
15	HB13B-5	21.75	13	32.5	3.02	3.00	4.25	1.81	3.00	1.50	364
15	HB16B-5	24.41	16	35.16	3.02	3.00	4.25	1.63	4.00	2.00	550
25	HB16C-5	24.25	16	35	3.02	3.00	4.25	2.31	4.00	2.00	600
35	HB16D-5	39.75	16	53.09	3.02	3.00	4.25	2.03	4.00	1.50	720

* Design factor 5:1