



SWINGMASTER™ SWING JOINTS

Whether used in conjunction with the Matrix Applied Technologies Floating Suction and Skimmer system, or with a third-party engineered solution, our SwingMaster™ joints are engineered for even the most extreme applications. Built to last, SwingMaster™ central type swing joints are constructed using rugged cast iron/ductile iron with plain Ni-Resist bearings (copper free) and are internally and externally epoxy painted for Jet A1 service.

With most sizes in stock and ready to ship, our SwingMaster™ joints are available in 4 to 36 inch flange diameter. Other sizes are available based on application and need. All SwingMaster™ joints up to 24 inch diameter are ANSI 150# Flat Face. Above 24 inch diameter, flange standards vary.

Precision engineered and built to last, SwingMaster™ swing joints are designed for a wide range of service applications.

A HIGHER STANDARD IN PRODUCTS.

SWINGMASTER™ SWING JOINTS FOR FLOATING SUCTION LINES

METRIC:

Size inch	DIMENSION mm					flange tapped holes N	flange drilled holes O mm	flange bolt circle P.C.D. mm	lifting lug tapped holes E	Rotation Torque kg-m	Weight kg
	A	B	C	D	L						
4	447	180	-	229	295	4 x 5/8" UNC	4+ 8 x 19.0dia	190.50	-	5	51
6	536	232	393	279	371	4 x 3/4" UNC	4+ 8 x 22.4dia	241.30	4 x M10	6.0	66
8	658	281	482	343	449	4 x 3/4" UNC	4+ 8 x 22.4dia	298.45	4 x M12	12.0	114
10	824	338	592	406	538	8 x 7/8" UNC	4+12 x 25.4dia	361.95	4 x M16	15.0	190
12	1007	417	707	483	652	8 x 7/8" UNC	4+12 x 25.4dia	431.80	4 x M16	18.5	296
14	1083	452	779	534	709	8 x 1" UNC	4+12 x 28.6dia	476.20	4 x M16	27.9	349
16	1224	506	885	597	783	8 x 1" UNC	8+16 x 28.6dia	539.70	4 x M16	31.9	495
18	1377	570	996	635	881	8 x 1 1/8" UNC	8+16 x 31.8dia	577.90	4 x M16	35.9	638
20	1410	614	1041	699	940	12 x 1 1/8" UNC	8+20 x 31.8dia	635.00	4 x M20	39.9	838
24	1714	715	1229	813	1090	12 x 1 1/4" UNC	8+20 x 35.0dia	749.30	4 x M24	47.9	1241
26	1932	759	1323	786	1163	16 x 3/4" UNC	20+36 x 22.35dia.	744.47	2 x M24	50.0	1285
30	2078	832	1460	984	1285	16 x 1 1/4" UNC	12+28 x 35 dia	914.40	2 x M30	64.0	1944
32	2226	888	1600	1060	1376	16 x 1 1/3"UNC	12+28 x 41dia	977.90	2 x M30	80.0	2200
36	2576	984	1780	1057	1513	28 x 7/8" UNC	16+44x25.4dia.	1009.70	2 x M30	105.0	3672

INCH:

Note: 4" SwingMaster joints are in 316 stainless steel as standard.

Size inch	DIMENSION inch					flange tapped holes N	flange drilled holes O inch	flange bolt circle P.C.D.inch	lifting lug tapped holes E	Rotation Torque ft-lbf	Weight lb
	A	B	C	D	L						
4	17.6	7.087	-	9.0	11.61	4 x 5/8" UNC	4+ 8 x 5/8"dia	7.50	-	36	112
6	21.1	9.134	15.47	10.98	14.61	4 x 3/4" UNC	4+ 8 x 7/8"dia	9.50	4 x M10	43	145
8	25.9	11.06	18.98	13.5	17.68	4 x 3/4" UNC	4+ 8 x 7/8"dia	11.75	4 x M12	87	251
10	32.4	13.31	23.31	16.0	21.18	8 x 7/8" UNC	4+12 x 1"dia	14.25	4 x M16	108	418
12	39.6	16.42	27.83	19.0	25.67	8 x 7/8" UNC	4+12 x 1"dia	17.00	4 x M16	133	651
14	42.6	17.8	30.67	21.0	27.91	8 x 1" UNC	4+12 x 1 1/8"dia	18.75	4 x M16	201	768
16	48.2	19.92	34.84	23.5	30.83	8 x 1" UNC	8+16 x 1 1/8"dia	21.25	4 x M16	230	1089
18	54.2	22.44	39.21	25.0	34.69	8 x 1 1/8" UNC	8+16 x 1 1/4"dia	22.75	4 x M20	259	1404
20	55.5	24.17	40.98	27.5	37.01	12 x 1 1/8" UNC	8+20 x 1 1/4"dia	25.00	4 x M20	288	1844
24	67.5	28.15	48.39	32.0	42.91	12 x 1 1/4" UNC	8+20 x 1 3/8"dia	29.50	4 x M24	345	2730
26	76.1	29.88	52.09	30.9	45.79	16 x 3/4" UNC	12+20 x 7/8"dia.	29.31	2 x M24	361	2827
30	81.8	32.76	57.48	38.7	50.59	16 x 1 1/4" UNC	12+28 x 1 3/8"dia	36.00	2 x M30	462	4277
32	87.6	34.96	62.99	41.8	54.17	16 x 1 1/3"UNC	12+28 x 1 5/8"dia	38.50	2 x M30	577	4840
36	101	38.74	70.08	41.6	59.57	28 x 7/8" UNC	16+44 x 1"dia	39.75	2 x M30	758	8078