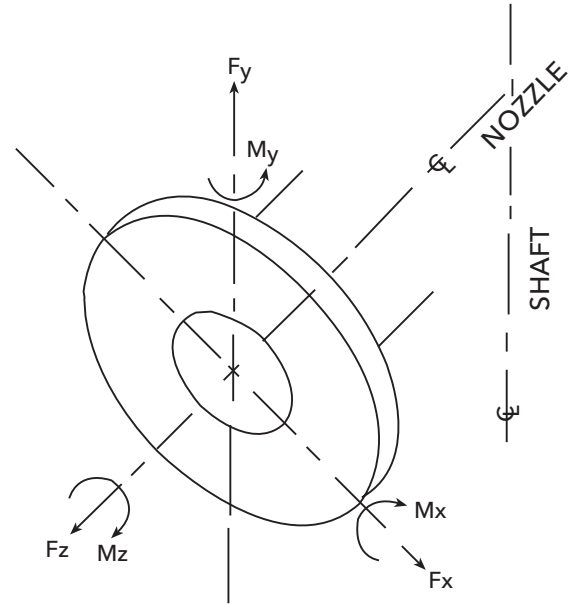


Fabricated heads

(Flange forces and moments)

200.C.07A (Effective July, 2025)



Standard allowable flange forces and moments for vertical turbine pumps commercial design only.

Flange size	Fx and Fy		Fz		Mx and My		Mz	
	lb	Kg	lb	Kg	ft-lb	Nm	ft-lb	Nm
3	155	70	310	141	390	529	780	1058
4	210	95	420	191	530	719	1060	1437
6	340	154	680	308	850	1152	1700	2305
8	570	259	1140	517	1425	1932	2850	3864
10	700	318	1400	635	1750	2373	3500	4743
12	750	340	1500	680	1875	2542	3750	5084
14	800	363	1600	726	2000	2712	4000	5423
16	850	386	1700	771	2125	2881	4250	5762
18	900	408	1800	816	2250	3051	4500	6101
20	937	425	1875	850	2345	3179	4687	6355
24	1050	476	2100	953	2625	3559	5250	7118
30	1350	612	2700	1225	3300	4474	6700	9084

For cast iron multiply by 0.50, for ductile iron multiply by 0.89.

Consult factory when flange requirement is greater, for ratings on all AP1610 and non-commercial heads; and for cast iron heads.

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