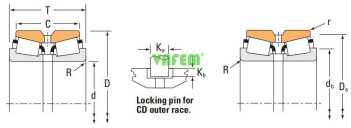
Double Row TDO Series





www.vafem.com

Bearing Dimensions(mm/in.)				Load Ratings(N/lbf) Dynamic(1)	Factors(2)			Dynamic(3)			Factors(2)	Part Number		Bearing Dimensions(mm/in.) Shaft		Housing		Pin(mm/in.)		Geometry Factors			
d	D	T	C	$C_{1(2)}$	e	Y_1	Y_2	C_{90}	C_{a90}	$C_{90(2)}$	K	Inner	Outer	Max. Shaft Fillet Radius R(4)	Backing Shoulder Dia. d_b	Max. Housing Fillet Radius r(4)	Backing Shoulder Dia. D_a	K_a	K_b	G_1	G_2	C_0	Bearing Weight(kg/lbs.)
11.987	30.48	25.4	21.26	18800	0.41	1.67	2.48	2800	1940	4880	1.44	A2047	A2120D	0.8	16.5	0.4	28	–	–	1.7	3.2	0.0308	0.09
0.4719	1.2	1	0.837	4230	0.41	1.67	2.48	630	437	1100	1.44	A2047	A2120D	0.03	0.65	0.02	1.1	–	–	1.7	3.2	0.0308	0.19
14.989	34.988	25.174	20.638	22900	0.45	1.49	2.22	3410	2640	5940	1.29	A4059	A4138D	0.8	19.5	0.6	31.5	–	–	2.3	4.1	0.0355	0.11
0.5901	1.3775	0.9911	0.8125	5150	0.45	1.49	2.22	767	594	1330	1.29	A4059	A4138D	0.03	0.77	0.03	1.24	–	–	2.3	4.1	0.0355	0.26
16.993	47	31.75	25.212	46500	0.36	1.89	2.82	6930	4230	12100	1.64	5066	05185D	1.5	24.5	0.8	42.5	–	–	5.8	5.5	0.0448	0.29
0.669	1.8504	1.25	0.9926	10500	0.36	1.89	2.82	1560	952	2710	1.64	5066	05185D	0.06	0.96	0.03	1.67	–	–	5.8	5.5	0.0448	0.62
19.05	47	31.75	25.212	46500	0.36	1.89	2.82	6930	4230	12100	1.64	5075	05185D	1.3	25	0.8	42.5	–	–	5.8	5.5	0.0448	0.27
0.75	1.8504	1.25	0.9926	10500	0.36	1.89	2.82	1560	952	2710	1.64	5075	05185D	0.05	0.98	0.03	1.67	–	–	5.8	5.5	0.0448	0.59
19.05	57.15	49.212	36.512	95900	0.59	1.14	1.7	14300	14400	24900	0.99	21075	21226D	1.5	31.5	0.8	51	–	–	7	4.1	0.0558	0.65
0.75	2.25	1.9375	1.4375	21600	0.59	1.14	1.7	3210	3250	5590	0.99	21075	21226D	0.06	1.24	0.03	2.01	–	–	7	4.1	0.0558	1.44
19.987	47	31.75	25.212	46500	0.36	1.89	2.82	6930	4230	12100	1.64	5079	05185D	1.5	26.5	0.8	42.5	–	–	5.8	5.5	0.0448	0.27
0.7869	1.8504	1.25	0.9926	10500	0.36	1.89	2.82	1560	952	2710	1.64	5079	05185D	0.06	1.04	0.03	1.67	–	–	5.8	5.5	0.0448	0.57
20	50.005	33.34	25.4	50700	0.4	1.68	2.5	7550	5190	13100	1.45	7079	07196D	1.5	27.5	0.6	46.5	–	–	7.6	7.1	0.0509	0.31
0.7874	1.9687	1.3126	1	11400	0.4	1.68	2.5	1700	1170	2950	1.45	7079	07196D	0.06	1.08	0.03	1.83	–	–	7.6	7.1	0.0509	0.7
24.384	80.962	55.562	39.688	160000	0.67	1.01	1.5	23900	27300	41500	0.87	43096	43319D	0.8	40.5	1.5	74	–	–	16.8	7.6	0.0774	1.43
0.96	3.1875	2.1875	1.5625	36000	0.67	1.01	1.5	5360	6130	9340	0.87	43096	43319D	0.03	1.59	0.06	2.91	–	–	16.8	7.6	0.0774	3.14
24.981	50.005	33.34	25.4	50700	0.4	1.68	2.5	7550	5190	13100	1.45	7098	07196D	1.5	31	0.6	46.5	–	–	7.6	7.1	0.0509	0.27
0.9835	1.9687	1.3126	1	11400	0.4	1.68	2.5	1700	1170	2950	1.45	7098	07196D	0.06	1.22	0.03	1.83	–	–	7.6	7.1	0.0509	0.61
24.981	62	39.688	36.258	75300	0.38	1.77	2.63	11200	7340	19500	1.53	17098	17245D	1.5	33	0.8	57	–	–	11.8	7.5	0.0579	0.6
0.9835	2.4409	1.5625	1.4275	16900	0.38	1.77	2.63	2520	1650	4390	1.53	17098	17245D	0.06	1.3	0.03	2.24	–	–	11.8	7.5	0.0579	1.33
25	50.005	33.34	25.4	50700	0.4	1.68	2.5	7550	5190	13100	1.45	7097	07196D	1.5	31	0.6	46.5	–	–	7.6	7.1	0.0509	0.27
0.9843	1.9687	1.3126	1	11400	0.4	1.68	2.5	1700	1170	2950	1.45	7097	07196D	0.06	1.22	0.03	1.83	–	–	7.6	7.1	0.0509	0.61
25	62	39.688	36.258	75300	0.38	1.77	2.63	11200	7340	19500	1.53	17098X	17245D	1.5	33	0.8	57	–	–	11.8	7.5	0.0579	0.6
0.9843	2.4409	1.5625	1.4275	16900	0.38	1.77	2.63	2520	1650	4390	1.53	17098X	17245D	0.06	1.3	0.03	2.24	–	–	11.8	7.5	0.0579	1.33
25.4	50.005	33.34	25.4	50700	0.4	1.68	2.5	7550	5190	13100	1.45	07100-S	07196D	1.5	31.5	0.6	46.5	–	–	7.6	7.1	0.0509	0.27
1	1.9687	1.3126	1	11400	0.4	1.68	2.5	1700	1170	2950	1.45	07100-S	07196D	0.06	1.24	0.03	1.83	–	–	7.6	7.1	0.0509	0.6
25.4	50.005	33.34	25.4	50700	0.4	1.68	2.5	7550	5190	13100	1.45	07100-SA	07196D	3.3	35	0.6	46.5	–	–	7.6	7.1	0.0509	0.27
1	1.9687	1.3126	1	11400	0.4	1.68	2.5	1700	1170	2950	1.45	07100-SA	07196D	0.13	1.38	0.03	1.83	–	–	7.6	7.1	0.0509	0.59
25.4	63.5	46.038	36.512	104000	0.35	1.93	2.87	15500	9310	27000	1.67	15101	15251D	0.8	32.5	0.8	59	–	–	14.6	10	0.0606	0.73
1	2.5	1.8125	1.4375	23400	0.35	1.93	2.87	3490	2090	6080	1.67	15101	15251D	0.03	1.28	0.03	2.32	–	–	14.6	10	0.0606	1.59