Table 9. ETB23 and FETB23, Capacities & Dimensional Data

Metric Series		Inch Series		Torque	Metric & Inch Dimensional Data											
												Tightening Screws				Weight
Size	d1	Size	d1	Cap. ft-lbs	D2	T	L1	L2	L3	Ps psi	Ph psi	Qty	Size	Ma[ft-lb]		lbs.
20x47	0.787	3/4	0.750	**214**	1.850	.002	.669	.866	1.102	31300	13220	5	M6x20	10	12	0.5
22x47	0.866	7/8	0.875	**236**	1.850	.002	.669	.866	1.102	28450	13220	5	M6x20	10	12	0.6
24x50	0.945		0.945	**273**	1.969	.002	.669	.866	1.102	28440	13650	5	M6x20	10	12	0.6
25x50	0.984	1	1.000	**332**	1.969	.002	.669	.866	1.102	27300	15640	6	M6x20	10	12	0.6
28x55	1.102	1-1/8	1.125	**369**	2.165	.002	.669	.866	1.102	28440	14220	6	M6x20	10	12	0.8
30x55	1.181	1-3/16	1.188	**400**	2.165	.002	.669	.866	1.102	27020	14220	6	M6x20	10	12	0.8
		1-1/4	1.250	**563**	2.362	.002	.669	.866	1.102	29720	15600	8	M6x20	10	12	0.8
35x60	1.378	1-3/8	1.375	**620**	2.362	.002	.669	.866	1.102	27020	15600	8	M6x20	10	12	0.9
		1-7/16	1.438	**678**	2.559	.002	.669	.866	1.102	28200	14930	8	M6x20	10	12	1.0
40x65	1.575	1-1/2	1.500	**708**	2.559	.002	.669	.866	1.102	27020	14930	8	M6x20	10	12	1.2
		1-5/8	1.625	**1,290**	2.953	.002	.787	.984	1.299	32700	19200	7	M8x25	25	30	1.4
		1-11/16	1.688	**1,228**	2.953	.002	.787	.984	1.299	34330	19200	7	M8x25	25	30	1.8
45x75	1.772	1-3/4	1.750	**1,274**	2.953	.002	.787	.984	1.299	33110	19200	7	M8x25	25	30	1.8
		1-7/8	1.875	**1,355**	3.150	.002	.787	.984	1.299	31390	18400	7	M8x25	25	30	2.0
50x80	1.969	1-15/16	1.938	**1,380**	3.150	.002	.787	.984	1.299	29900	18400	7	M8x25	25	30	1.5
		2	2.000	**1,423**	3.150	.002	.787	.984	1.299	29900	18400	7	M8x25	25	30	1.5
55x85	2.165	2-1/8	2.125	**1,755**	3.346	.002	.787	.984	1.299	31470	19200	8	M8x25	25	30	1.6
		2-3/16	2.188	**1,806**	3.346	.002	.787	.984	1.299	30570	19200	8	M8x25	25	30	1.6
		2-1/4	2.250	**1,895**	3.543	.002	.787	.984	1.299	28360	17700	8	M8x25	25	30	2.2
60x90	2.362	2-3/8	2.375	**1,990**	3.543	.002	.787	.984	1.299	27020	17700	8	M8x25	25	30	2.7
		2-7/16	2.438	**2,230**	3.740	.002	.787	.984	1.299	29860	19200	9	M8x25	25	30	2.9
		2-1/2	2.500	**2,290**	3.740	.002	.787	.984	1.299	29110	19200	9	M8x25	25	30	3.3
65x95	2.559	2-9/16	2.563	**2,345**	3.740	.002	.787	.984	1.299	28440	19200	9	M8x25	25	30	3.5
		2-11/16	2.688	**3,590**	4.331	.002	.945	1.181	1.575	32090	19900	8	M10x30	50	60	3.7
70x110	2.756	2-3/4	2.750	**3,686**	4.331	.002	.945	1.181	1.575	31300	19900	8	M10x30	50	60	3.9
		2-7/8	2.875	**3,760**	4.528	.002	.945	1.181	1.575	29210	18400	8	M10x30	50	60	4.0
75x115	2.953	2-15/16	2.938	**3,870**	4.528	.002	.945	1.181	1.575	28440	18400	8	M10x30	50	60	4.1
		3	3.000	**4,130**	4.724	.002	.945	1.181	1.575	27020	17700	8	M10x30	50	60	4.3
80x120	3.150	3-1/4	3.250	**4,830**	4.921	.003	.945	1.181	1.575	29280	19200	8	M10x30	50	60	4.6
85x125	3.346	3-3/8	3.375	**4,980**	4.921	.003	.945	1.181	1.575	28440	19200	9	M10x30	50	60	5.4
		3-7/16	3.438	**5,230**	5.118	.003	.945	1.181	1.575	27020	18400	9	M10x30	50	60	5.6
90x130	3.543	3-1/2	3.500	**5,160**	5.118	.003	.945	1.181	1.575	27350	18400	9	M10x30	50	60	5.8
95x135	3.740	3-3/4	3.750	**6,160**	5.315	.003	.945	1.181	1.575	28440	19900	10	M10x30	50	60	6.0
100x145	3.397	3-15/16	3.938	**7,600**	5.709	.003	1.024	1.260	1.732	29860	20600	8	M12x30	90	105	6.4
		4	4.000	**7,720**	5.709	.003	1.024	1.260	1.732	29390	20600	8	M12x30	90	105	6.6
110x155	4.331	4-7/16	4.438	**8,290**	6.102	.003	1.024	1.260	1.732	27020	18400	8	M12x30	90	105	6.8
120x165	4.724	4-3/4	4.750	**10,250**	6.496	.003	1.024	1.260	1.732	29860	20600	9	M12x30	90	105	7.0
130x180	5.118	4-15/16	4.938	**14,750**	7.087	.003	1.339	1.575	2.047	27020	19900	12	M12x30	90	105	10
140x190	5.512	5-7/16	5.438	**16,400**	7.480	.003	1.339	1.575	2.126	25600	18400	9	M14x40	135	165	11
150x200	5.906	5-15/16	5.938	**19,390**	7.874	.003	1.339	1.575	2.126	27020	19900	10	M14x40	135	165	12
160x210	6.299		6.299	**22,860**	8.268	.003	1.339	1.575	2.126	27020	20600	11	M14x40	135	165	12
170x225	6.693	6-7/16	6.438	**26,470**	8.858	.003	1.732	1.969	2.520	21400	16300	12	M14x40	135	165	17
180x235	7.087	6-15/16	6.938	**28,020**	9.252	.003	1.732	1.969	2.520	20600	15600	12	M14x40	135	165	18
190x250	7.480	7-7/16	7.438	**36,940**	9.843	.003	1.732	1.969	2.520	24200	18400	15	M14x40	135	165	21
200x260	7.874	7-15/16	7.938	**38,930**	10.236	.003	1.732	1.969	2.520	22750	17700	15	M14x40	135	165	22
220x285	8.661		8.661	**47,560**	11.220	.003	1.969	2.205	2.835	20600	15600	12	M16x40	220	255	29
240x305	9.449		9.449	**64,880**	12.008	.003	1.969	2.205	2.835	23500	18400	15	M16x40	220	255	30
260x325	10.236		10.236	**84,050**	12.795	.004	1.969	2.205	2.835	25600	20600	18	M16x40	220	255	34
280x355	11.024		11.024	**97,320**	13.976	.004	2.362	2.598	3.307	21300	17000	16	M18x50	290	350	50
300x375	11.811		11.811	**117,200**	14.764	.004	2.362	2.598	3.307	22750	17700	18	M18x50	290	350	80
320x405	12.598		12.598	**162,200**	15.945	.004	2.913	3.189	3.976	21400	17000	18	M20x50	420	500	80
340x425	13.386		13.386	**200,100**	16.732	.004	2.913	3.189	3.976	24900	19200	21	M20x50	420	500	85
360x455	14.173		14.173	**227,100**	17.913	.004	3.386	3.701	4.567	19900	15600	18	M22x60	560	675	102
380x475	14.961		14.961	**279,400**	18.701	.004	3.386	3.701	4.567	22000	17700	21	M22x60	560	675	121
400x495	15.748		15.748	**294,200**	19.488	.004	3.386	3.701	4.567	21300	17000	21	M22x60	560	675	134

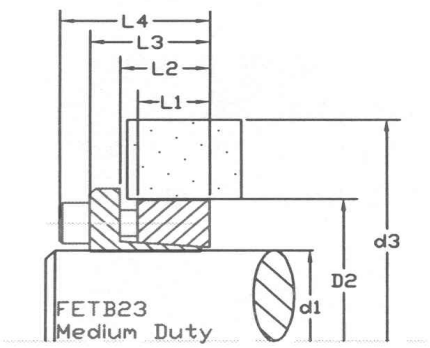

Fig. 24

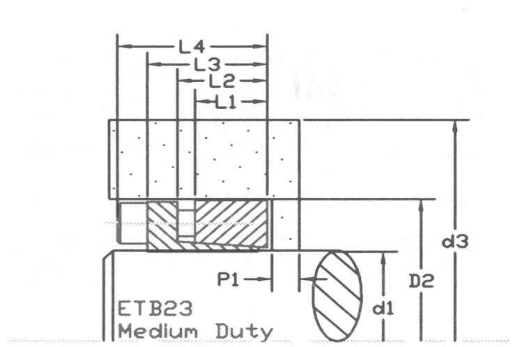

Fig. 25

T= Machining Tolerance. Ma = Screw Torque
Shaft Diameter =d1 +0/-T. Hub bore = D2+T/-0
Ps= Shaft Contact Pressure, Ph = Hub Bore C.P.
P1= Hub Pilot Length = 25% of shaft diameters
See pages 24 and 25, for selection and sizing