TYPE 1 DESIGN DETAILS (CONT.)

Part No.	Max. Total Load (tons)	Max. Dead Load (tons)	Upper Bearing Plate (inches)			Bottom Pad (inches)			Total Movement Allowable in a "l" Direction (inches)
			l	*w*	*t*	*a*	*b*	*c*	
H-63-A	72.0	54.8	17	14.0	1.00	12.00	12.00	1.75	3.50
H-63-B	72.0	54.8	21	14.0	1.00	12.00	12.00	1.75	7.50
H-63-C	72.0	54.8	25	14.0	1.00	12.00	12.00	1.75	11.50
H-64-A	81.0	60.5	17	15.0	1.00	12.00	13.50	1.75	3.50
H-64-B	81.0	60.5	21	15.0	1.00	12.00	13.50	1.75	7.50
H-64-C	81.0	60.5	25	15.0	1.00	12.00	13.50	1.75	11.50
H-65-A	96.0	72.0	17	18.0	1.00	12.00	16.00	1.75	3.50
H-65-B	96.0	72.0	21	18.0	1.00	12.00	16.00	1.75	7.50
H-65-C	96.0	72.0	25	18.0	1.00	12.00	16.00	1.75	11.50
H-66-A	114.0	85.5	17	21.0	1.00	12.00	19.00	1.75	3.50
H-66-B	114.0	85.5	21	21.0	1.00	12.00	19.00	1.75	7.50
H-66-C	114.0	85.5	25	21.0	1.00	12.00	19.00	1.75	11.50
H-67-A	144.0	108.0	17	26.0	1.00	12.00	24.00	1.75	3.50
H-67-B	144.0	108.0	21	26.0	1.00	12.00	24.00	1.75	7.50
H-67-C	144.0	108.0	25	26.0	1.00	12.00	24.00	1.75	11.50
H-68-A	192.0	144.0	17	33.0	1.00	12.00	32.00	1.75	3.50
H-68-B	192.0	144.0	21	35.0	1.00	12.00	32.00	1.75	7.50
H-68-C	192.0	144.0	25	33.0	1.00	12.00	32.00	1.75	11.50
H-69-A	288.0	216.5	17	51.0	1.00	12.00	48.00	1.75	3.50
H-69-B	288.0	216.5	21	51.0	1.00	12.00	48.00	1.75	7.50
H-69-C	288.0	216.5	25	51.0	1.00	12.00	48.00	1.75	11.50
I-70-A	128.0	96.0	23	18.0	1.00	16.00	16.00	2.25	4.50
I-70-B	128.0	96.0	26	18.0	1.00	16.00	16.00	2.25	8.50
I-70-C	128.0	96.0	30	18.0	1.00	16.00	16.00	2.25	12.50
I-71-A	152.0	114.0	23	21.0	1.00	16.00	19.00	2.25	4.50
I-71-B	152.0	114.0	26	21.0	1.00	16.00	19.00	2.25	8.50
I-71-C	152.0	114.0	30	21.0	1.00	16.00	19.00	2.25	12.50
I-72-A	192.0	144.0	23	28.0	1.00	16.00	24.00	2.25	4.50
I-72-B	192.0	144.0	26	28.0	1.00	16.00	24.00	2.25	8.50
I-72-C	192.0	144.0	30	28.0	1.00	16.00	24.00	2.25	12.50
I-73-A	256.0	192.0	23	35.0	1.00	16.00	32.00	2.25	4.50
I-73-B	256.0	192.0	26	35.0	1.00	16.00	32.00	2.25	8.50
I-73-C	256.0	192.0	30	35.0	1.00	16.00	32.00	2.25	12.50
I-74-A	384.0	288.0	23	51.0	1.00	16.00	48.00	2.25	4.50
I-74-B	384.0	288.0	26	51.0	1.00	16.00	48.00	2.25	8.50
I-74-C	384.0	288.0	30	51.0	1.00	16.00	48.00	2.25	12.50
J-75-A	288.0	216.0	31	26.0	1.00	24.00	24.00	3.25	5.50
J-75-B	288.0	216.0	35	26.0	1.00	24.00	24.00	3.25	9.50
J-75-C	288.0	216.0	39	26.0	1.00	24.00	24.00	3.25	13.50
J-76-A	348.0	261.0	31	32.0	1.00	24.00	29.00	3.25	5.50
J-76-B	348.0	261.0	35	32.0	1.00	24.00	29.00	3.25	9.50
J-76-C	348.0	261.0	39	33.0	1.00	24.00	29.00	3.25	13.50
J-77-A	360.0	270.0	31	33.0	1.00	24.00	30.00	3.25	5.50
J-77-B	360.0	270.0	35	33.0	1.00	24.00	30.00	3.25	9.50
J-77-C	360.0	270.0	39	33.0	1.00	24.00	30.00	3.25	13.50
J-78-A	384.0	288.0	31	35.0	1.00	24.00	32.00	3.25	5.50
J-78-B	384.0	288.0	35	35.0	1.00	24.00	32.00	3.25	9.50
J-78-C	384.0	288.0	39	35.0	1.00	24.00	32.00	3.25	13.50
J-79-A	432.0	324.0	31	39.0	1.00	24.00	36.00	3.25	5.50
J-79-B	432.0	324.0	35	39.0	1.00	24.00	36.00	3.25	9.50
J-79-C	432.0	324.0	39	39.0	1.00	24.00	36.00	3.25	13.50
J-80-A	480.0	360.0	31	43.0	1.00	24.00	40.00	3.25	5.50
J-80-B	480.0	360.0	35	43.0	1.00	24.00	40.00	3.25	9.50
J-80-C	480.0	360.0	39	43.0	1.00	24.00	40.00	3.25	13.50
J-81-A	576.0	432.0	31	51.0	1.00	24.00	48.00	3.25	5.50
J-81-B	576.0	432.0	35	51.0	1.00	24.00	48.00	3.25	9.50
J-81-C	576.0	432.0	39	51.0	1.00	24.00	48.00	3.25	13.50

(B) DYMAT® (TYPE 2) SLIDING BEARINGS

Description

TOP PLATE

The top plate of this bearing is ASTM A36 or G40.21 steel plate ½ to 1 inch thick with a 304 stainless steel highly polished bright annealed lower surface. The stainless steel sheet is continuously welded to the steel plate.

BOTTOM PAD

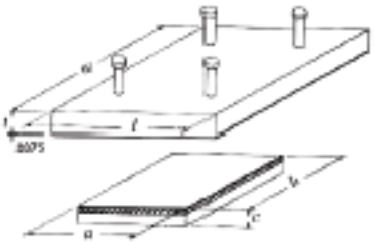
The bottom pad is high quality polyurethane developed specially for application. The Teflon® sheet is bonded to ½ inch thick fiberglass or steel sheet which is moulded into pad. The Teflon® sheet is 1/16 inch thick virgin Teflon®.

DETAIL DRAWING OF TYPE 2 SYSTEM

(For connection details see connection detail drawing)

Top Plate *l* = plan dimension in direction of rotation
w = plan dimension
t = thickness excluding stainless steel

Bottom Pad *a* = plan dimension in direction of rotation
b = plan dimension
c = thickness including Teflon®



DESIGN CONSIDERATIONS FOR DYMAT® (TYPE 2) SLIDING BEARINGS

1. Total dead plus live load on bottom pad maximum of 2000 psi with maximum dead load of 1700 psi.
2. Maximum deflection at 2000 psi is approximately 10% of thickness of bottom pad. Design for 2% rotation in *l* direction (see drawing).
3. Design co-efficient of friction of:
   A) 1000 to 1500 psi at .04
   B) 1500 to 2000 psi at .03
   (See chart for initial co-efficient of friction for first movement).
4. Complete bearing assembly capable of test to 10,000 psi for five minutes with no visible damage.
5. Recommended operating temperature range -70°F to 200°F.
6. Special polyurethane meets DYMAT® material specification. Specification is available on request.
7. All other details and installation same as Type 1 Bearings.

Part No.	Max. Total Load (tons)	Max. Dead Load (tons)	Upper Bearing Plate (inches)			Bottom Pad (inches)			Total Movement Allowable in a "l" Direction (inches)
			l	*w*	*t*	*a*	*b*	*c*	
A-1-A	8	7	6	5.0	0.50	2.25	3.75	0.50	2.75
A-1-B	8	7	10	5.0	0.50	2.25	3.75	0.50	6.75
A-3-A	10	8	6	6.0	0.50	2.25	4.75	0.50	2.75
A-3-B	10	8	10	6.0	0.50	2.25	4.75	0.50	6.75
A-5-A	12	10	6	7.0	0.50	2.25	5.75	0.50	2.75
A-5-B	12	10	10	7.0	0.50	2.25	5.75	0.50	6.75
A-6-A	14	11	6	8.0	0.75	2.25	6.50	0.50	2.75
A-6-B	14	11	10	8.0	0.75	2.25	6.50	0.50	6.75
A-5-A	17	14	6	9.0	0.75	2.25	7.75	0.50	2.75
A-5-B	17	14	10	9.0	0.75	2.25	7.75	0.50	6.75
A-6-A	19	16	6	10.0	0.75	2.25	8.50	0.50	2.75
A-6-B	19	16	10	10.0	0.75	2.25	8.50	0.50	6.75
A-7-A	21	17	6	11.0	0.75	2.25	9.25	0.50	2.75
A-7-B	21	17	10	11.0	0.75	2.25	9.25	0.50	6.75
A-8-A	23	19	6	12.0	0.75	2.25	10.25	0.50	2.75
A-8-B	23	19	10	12.0	0.75	2.25	10.25	0.50	6.75
A-8-C	23	19	14	12.0	0.75	2.25	10.25	0.50	10.75
B-9-A	11	9	7	5.0	0.50	3.00	3.75	0.50	3.00
B-9-B	11	9	11	5.0	0.50	3.00	3.75	0.50	7.00
B-10-A	14	11	7	6.0	0.50	3.00	4.75	0.50	3.00
B-10-B	14	11	11	6.0	0.50	3.00	4.75	0.50	7.00
B-11-A	17	14	7	7.0	0.50	3.00	5.75	0.50	3.00
B-11-B	17	14	11	7.0	0.50	3.00	5.75	0.50	7.00
B-12-A	19	16	7	8.0	0.75	3.00	6.50	0.50	3.00
B-12-B	19	16	11	8.0	0.75	3.00	6.50	0.50	7.00
B-13-A	21	19	7	9.0	0.75	3.00	7.75	0.50	3.00
B-13-B	21	19	11	9.0	0.75	3.00	7.75	0.50	7.00
B-14-A	23	20	7	10.0	0.75	3.00	8.50	0.50	3.00
B-14-B	23	20	11	10.0	0.75	3.00	8.50	0.50	7.00
B-15-A	27	23	7	11.0	0.75	3.00	9.50	0.50	3.00
B-15-B	27	23	11	11.0	0.75	3.00	9.50	0.50	7.00
B-16-A	30	25	7	12.0	0.75	3.00	10.25	0.50	3.00
B-16-B	30	25	11	12.0	0.75	3.00	10.25	0.50	7.00
B-16-C	30	25	15	12.0	0.75	3.00	10.25	0.50	11.00
B-17-A	36	31	7	13.5	0.75	3.00	12.00	0.50	3.00
B-17-B	36	31	11	13.5	0.75	3.00	12.00	0.50	7.00
B-17-C	36	31	15	13.5	0.75	3.00	12.00	0.50	11.00
B-18-A	40	34	7	15.0	0.75	3.00	13.50	0.50	3.00
B-18-B	40	34	11	15.0	0.75	3.00	13.50	0.50	7.00
B-18-C	40	34	15	15.0	0.75	3.00	13.50	0.50	11.00