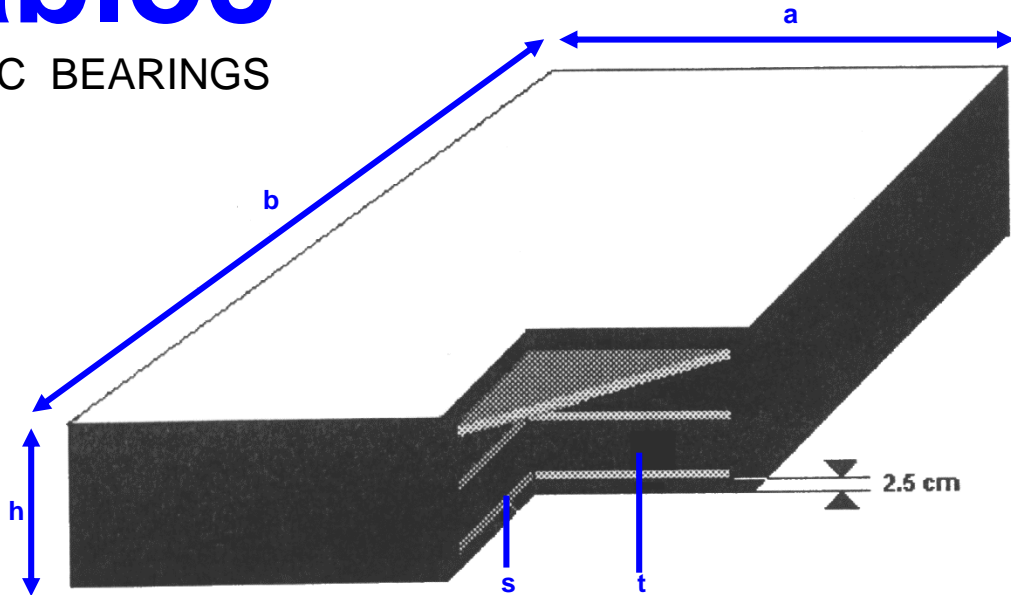


# Levabloc

## ELASTOMERIC BEARINGS



**LEVABLOC** elastomeric bearings consist of individual layers of rubber with steel plates inserted between them.

The steel plates and rubber layers are vulcanized together giving a bond on their connecting faces.

Additionally, the plates are completely surrounded by the rubber to prevent any corrosion.

All bearings are individually molded. Formulation of the rubber is based on poly-chloroprene synthetic rubber which assures a very long life of the bearings and a very high resistance to oils, solvents, ozone and to the chemical products contained in the concrete.

**LEVABLOC** bearings are suitable for application within a range of temperature of - 22°F to + 122°F ( until 158°F for short periods ).

For special applications natural rubber or different kinds of synthetic rubber may be used.

### Materials properties

Our standard production utilizes the following materials:

- Roller mild steel plates Fe 42 UNI 7070/72
- Synthetic rubber

Shore A hardness	60 ± 5
Tensile strength	175 kg/cm <sup>2</sup>
Ultimate elongation	450%

Dimensions	Total thickness	Total rubber thickness	Number of internal rubber layers	Thickness of internal rubber layers	Number of steel plates	Thickness of steel plates	Bearing Capacity	Movement		Rotation
								$\tan \gamma = 0.5$	$\tan \gamma = 0.7$	
$a \times b$	$h$	$hg$	$nt$	$t$	$ns$	$s$	$P$	(1) $el = \pm$	(2) $el = \pm$	$\alpha$
mm	mm	mm	n	mm	n	mm	ton	mm	mm	%
100 x 100	21	15	2	5	3	2	10	7.5	10.5	8
	28	20	3	5	4	2	10	10.0	14.0	12
100 x 150	21	15	2	5	3	2	15	7.5	10.5	8
	28	20	3	5	4	2	15	10.0	14.0	12
	35	25	4	5	5	2	15	12.5	17.5	16
100 x 200	21	15	2	5	3	2	20	7.5	10.5	8
	28	20	3	5	4	2	20	10.0	14.0	12
	35	25	4	5	5	2	20	12.5	17.5	16
150 x 200	28	20	3	5	4	2	30	10.0	14.0	9
	35	25	4	5	5	2	30	12.5	17.5	12
	42	30	5	5	6	2	30	15.0	21.0	15
150 x 300	28	20	3	5	4	2	55	10.0	14.0	9
	30	25	4	5	5	2	55	12.5	17.5	12
	42	30	5	5	6	2	55	15.0	21.0	15
200 x 300	41	29	3	8	4	3	75	14.5	20.3	9
	52	37	4	8	5	3	75	18.5	25.9	12
	63	45	5	8	6	3	75	22.5	31.5	15
200 x 400	41	29	3	8	4	3	100	14.5	20.3	9
	52	37	4	8	5	3	100	18.5	25.9	12
	63	45	5	8	6	3	100	22.5	31.5	15
250 x 400	41	29	3	8	4	3	125	14.5	20.3	7.5
	52	37	4	8	5	3	125	18.5	25.9	10
	63	45	5	8	6	3	125	22.5	31.5	12
300 x 400	52	37	4	8	5	3	180	18.5	25.9	8
	63	45	5	8	6	3	180	22.5	31.5	10
	74	53	6	8	7	3	180	26.5	37.1	12
	85	61	7	8	8	3	180	30.5	42.7	14
300 x 500	52	37	4	8	5	3	225	18.5	25.9	8
	63	45	5	8	6	3	225	22.5	31.5	10
	74	53	6	8	7	3	225	26.5	37.1	12
	85	61	7	8	8	3	225	30.5	42.7	14
300 x 600	52	37	4	8	5	3	270	18.5	25.9	8
	63	45	5	8	6	3	270	22.5	31.5	10
	74	53	6	8	7	3	270	26.5	37.1	12
	85	61	7	8	8	3	270	30.5	42.7	14
400 x 600	69	49	4	11	5	4	360	24.5	34.3	8
	84	60	5	11	6	4	360	30.0	42.0	10
	99	71	6	11	7	4	360	35.5	49.7	12
	114	82	7	11	8	4	360	41.0	57.4	14
400 x 700	69	49	4	11	5	4	420	24.5	34.3	8
	84	60	5	11	6	4	420	30.0	42.0	10
	99	71	6	11	7	4	420	35.5	49.7	12
	114	82	7	11	8	4	420	41.0	57.4	14
	129	93	8	11	9	4	420	46.5	65.1	16
400 x 800	69	49	4	11	5	4	420	24.5	34.3	8
	84	60	5	11	6	4	420	30.0	42.0	10
	99	71	6	11	7	4	420	35.5	49.7	12
	114	82	7	11	8	4	420	41.0	57.4	14
	129	93	8	11	9	4	420	46.5	65.1	16