



SBT

SBT-bearing is a 3-layer bearing wrapped of steel-sheets with a layer of PTFE/lead. The SBT-bearings are mainly intended for oscillating movements bearing places with often occurring starts and stops or when minimal dry-friction is tried to be obtained and when greasing is out of the question. Owing to the fact that the friction is very low, SBT-bearings can be used without additional lubrication. SBT-bearing is resistant to most common mediums. The thin layer, which makes up the running surface, should be well protected to avoid mounting damages and also protected from heat e.g. welding.

Benefits:

- Designed to work even without lubrication.
- Wide range of temperature.
- High level thermal conductivity
- Good resistance to most common mediums.
- Wide range of stock hold standard dimensions.
- Many possible applications.

Special:

- Stainless steel backing.
- Bronze backing.
- Layer without lead.
- Flat or spherical thrust washers.
- Other positions of tolerance.
- Drawing details.

Applications:

- Taillifts.
- Person lifts.
- Hydraulic pumps.
- Pneumatic cylinders.
- Textile machines.

Technical data:

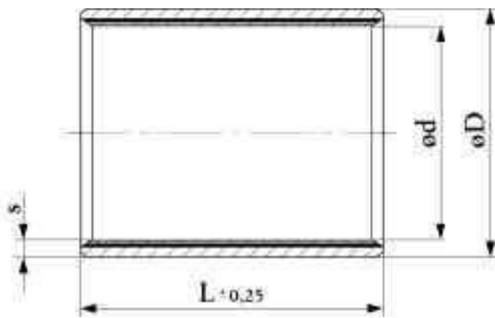
Material:
 SBT: Steel backing bronze, PTFE/lead-layer
 RBT: Stainless steel backing bronze, PTFE
 BBT: Bronze backing bronze, PTFE/lead-layer

Movement	Max load
Static	250N/mm ²
Dynamic	140N/mm ²
Rotating, oscil.	60N/mm ²

Friction: 0,03–0,20μ

Max speed: No lubrication 2,5m/s
 Boundary lubricated 5,0m/s
 Temperature range: -200 / +280 °C
 Tolerances: Housing H6/H7, recommended tolerance for the shaft f7 or h8.
 Lubrication SBT-bearings are preferably intended to be used non-lubricated. Additional lubrication can be recommended to prevent corrosion on the shaft. All customary lubricating greases and oils can be used but greases with additives of graphite or molybdenum-disulphide must be avoided. However once-for-all grease lubrication must be avoided.

Dimension programme SBT



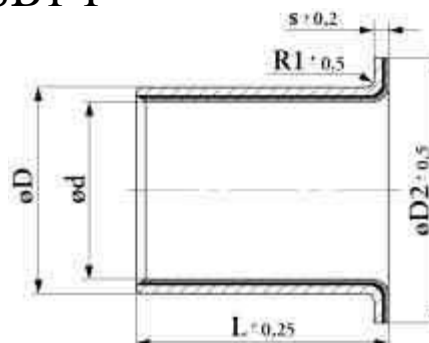
Code	Designation	d	D	L
260001	03/04,5X03 SBT	03	04,5	03
260005	03/04,5X04 SBT	03	04,5	04
260010	03/04,5X05 SBT	03	04,5	05
260015	03/04,5X06 SBT	03	04,5	06
260020	04/05,5X03 SBT	04	05,5	03
260025	04/05,5X04 SBT	04	05,5	04
260030	04/05,5X06 SBT	04	05,5	06
260035	04/05,5X10 SBT	04	05,5	10
260040	05/07X05 SBT	05	07	05
260045	05/07X08 SBT	05	07	08
260050	05/07X10 SBT	05	07	10
260055	06/08X06 SBT	06	08	06
260060	06/08X08 SBT	06	08	08
260065	06/08X10 SBT	06	08	10
260070	08/10X08 SBT	08	10	08
260075	08/10X10 SBT	08	10	10
260080	08/10X12 SBT	08	10	12
260085	10/12X08 SBT	10	12	08
260090	10/12X10 SBT	10	12	10
260095	10/12X12 SBT	10	12	12
260100	10/12X15 SBT	10	12	15
260105	10/12X20 SBT	10	12	20
260110	12/14X08 SBT	12	14	08
260115	12/14X10 SBT	12	14	10
260120	12/14X12 SBT	12	14	12
260125	12/14X15 SBT	12	14	15
260130	12/14X20 SBT	12	14	20
260135	12/14X25 SBT	12	14	25
260140	13/15X10 SBT	13	15	10
260145	13/15X15 SBT	13	15	15
260150	13/15X20 SBT	13	15	20
260155	13/15X25 SBT	13	15	25
260158	14/16X08 SBT	14	16	08
260160	14/16X10 SBT	14	16	10
260165	14/16X12 SBT	14	16	12
260170	14/16X15 SBT	14	16	15
260175	14/16X20 SBT	14	16	20
260180	14/16X25 SBT	14	16	25
260185	15/17X10 SBT	15	17	10
260190	15/17X12 SBT	15	17	12
260195	15/17X15 SBT	15	17	15
260200	15/17X20 SBT	15	17	20
260205	15/17X25 SBT	15	17	25
260210	16/18X10 SBT	16	18	10
260215	16/18X12 SBT	16	18	12
260220	16/18X15 SBT	16	18	15
260225	16/18X20 SBT	16	18	20
260230	16/18X25 SBT	16	18	25
260235	16/18X30 SBT	16	18	30
260240	17/19X15 SBT	17	19	15
260245	17/19X20 SBT	17	19	20
260250	17/19X25 SBT	17	19	25
260255	18/20X15 SBT	18	20	15
260260	18/20X20 SBT	18	20	20
260265	18/20X25 SBT	18	20	25
260270	20/22X10 SBT	20	22	10
260275	20/22X15 SBT	20	22	15
260280	20/22X20 SBT	20	22	20
260285	20/22X25 SBT	20	22	25

Code	Designation	d	D	L
260290	20/23X10 SBT	20	23	10
260295	20/23X15 SBT	20	23	15
260300	20/23X20 SBT	20	23	20
260305	20/23X25 SBT	20	23	25
260310	20/23X30 SBT	20	23	30
260315	22/25X15 SBT	22	25	15
260320	22/25X20 SBT	22	25	20
260325	22/25X25 SBT	22	25	25
260330	22/25X30 SBT	22	25	30
260335	24/27X15 SBT	24	27	15
260340	24/27X20 SBT	24	27	20
260345	24/27X25 SBT	24	27	25
260350	24/27X30 SBT	24	27	30
260355	24/28X15 SBT	24	28	15
260360	24/28X20 SBT	24	28	20
260365	24/28X25 SBT	24	28	25
260370	24/28X30 SBT	24	28	30
260375	25/28X12 SBT	25	28	12
260380	25/28X15 SBT	25	28	15
260385	25/28X20 SBT	25	28	20
260390	25/28X25 SBT	25	28	25
260395	25/28X30 SBT	25	28	30
260400	25/28X50 SBT	25	28	50
260405	28/32X20 SBT	28	32	20
260410	28/32X25 SBT	28	32	25
260415	28/32X30 SBT	28	32	30
260420	30/34X15 SBT	30	34	15
260425	30/34X20 SBT	30	34	20
260430	30/34X25 SBT	30	34	25
260435	30/34X30 SBT	30	34	30
260440	30/34X40 SBT	30	34	40
260445	32/36X20 SBT	32	36	20
260450	32/36X30 SBT	32	36	30
260455	32/36X40 SBT	32	36	40
260460	35/39X20 SBT	35	39	20
260465	35/39X30 SBT	35	39	30
260470	35/39X35 SBT	35	39	35
260475	35/39X40 SBT	35	39	40
260480	35/39X50 SBT	35	39	50
260485	40/44X20 SBT	40	44	20
260490	40/44X30 SBT	40	44	30
260495	40/44X40 SBT	40	44	40
260500	40/44X50 SBT	40	44	50
260505	45/50X20 SBT	45	50	20
260510	45/50X30 SBT	45	50	30
260515	45/50X40 SBT	45	50	40
260520	45/50X45 SBT	45	50	45
260525	45/50X50 SBT	45	50	50
260530	50/55X20 SBT	50	55	20
260535	50/55X25 SBT	50	55	25
260540	50/55X30 SBT	50	55	30
260545	50/55X40 SBT	50	55	40
260550	50/55X50 SBT	50	55	50
260555	50/55X60 SBT	50	55	60
260560	55/60X20 SBT	55	60	20
260565	55/60X25 SBT	55	60	25
260570	55/60X30 SBT	55	60	30
260575	55/60X40 SBT	55	60	40
260580	55/60X50 SBT	55	60	50
260585	55/60X60 SBT	55	60	60
260590	60/65X30 SBT	60	65	30
260595	60/65X40 SBT	60	65	40
260600	60/65X60 SBT	60	65	60
260605	60/65X70 SBT	60	65	70
260610	65/70X30 SBT	65	70	30
260615	65/70X35 SBT	65	70	35
260620	65/70X50 SBT	65	70	50
260625	65/70X60 SBT	65	70	60
260630	65/70X70 SBT	65	70	70
260635	70/75X40 SBT	70	75	40
260640	70/75X50 SBT	70	75	50
260645	70/75X60 SBT	70	75	60
260650	70/75X70 SBT	70	75	70
260655	75/80X40 SBT	75	80	40
260660	75/80X50 SBT	75	80	50

Code	Designation	d	D	L
260665	75/80X60 SBT	75	80	60
260670	75/80X70 SBT	75	80	70
260675	75/80X80 SBT	75	80	80
260680	80/85X40 SBT	80	85	40
260685	80/85X60 SBT	80	85	60
260688	80/85X80 SBT	80	85	80
260690	80/85X100 SBT	80	85	100
260695	85/90X60 SBT	85	90	60
260700	85/90X100 SBT	85	90	100
260703	90/95X40 SBT	90	95	40
260705	90/95X60 SBT	90	95	60
260710	90/95X100 SBT	90	95	100
260715	95/100X60 SBT	95	100	60
260720	95/100X100 SBT	95	100	100
260723	100/105X50 SBT	100	105	50
260725	100/105X60 SBT	100	105	60
260730	100/105X70 SBT	100	105	70
260735	100/105X80 SBT	100	105	80
260740	100/105X100 SBT	100	105	100
260745	100/105X115 SBT	100	105	115
260750	105/110X60 SBT	105	110	60
260755	105/110X100 SBT	105	110	100
260760	105/110X115 SBT	105	110	115
260765	110/115X60 SBT	110	115	60
260770	110/115X70 SBT	110	115	70
260775	110/115X100 SBT	110	115	100
260780	110/115X115 SBT	110	115	115
260785	120/125X60 SBT	120	125	60
260790	120/125X100 SBT	120	125	100
260795	125/130X60 SBT	125	130	60
260800	125/130X100 SBT	125	130	100
260805	130/135X60 SBT	130	135	60
260810	130/135X100 SBT	130	135	100
260815	135/140X60 SBT	135	140	60
260820	135/140X100 SBT	135	140	100
260825	140/145X60 SBT	140	145	60
260830	140/145X100 SBT	140	145	100
260835	145/150X60 SBT	145	150	60
260840	145/150X100 SBT	145	150	100
260845	150/155X60 SBT	150	155	60
260850	150/155X100 SBT	150	155	100
260855	155/160X60 SBT	155	160	60
260860	155/160X100 SBT	155	160	100
260865	160/165X50 SBT	160	165	50
260870	160/165X60 SBT	160	165	60
260875	160/165X100 SBT	160	165	100
260880	165/170X60 SBT	165	170	60
260885	165/170X100 SBT	165	170	100
260890	170/175X60 SBT	170	175	60
260895	170/175X100 SBT	170	175	100
260900	175/180X60 SBT	175	180	60
260905	175/180X100 SBT	175	180	100
260910	180/185X60 SBT	180	185	60
260915	180/185X100 SBT	180	185	100
260920	200/205X60 SBT	200	205	60
260925	200/205X100 SBT	200	205	100
260930	205/210X60 SBT	205	210	60
260935	205/210X100 SBT	205	210	100
260940	210/215X60 SBT	210	215	60
260945	210/215X100 SBT	210	215	100
260950	215/220X60 SBT	215	220	60
260955	215/220X100 SBT	215	220	100
260960	220/225X60 SBT	220	225	60
260965	220/225X100 SBT	220	225	100
260985	240/245X100 SBT	240	245	100
260990	250/255X60 SBT	250	255	60
260995	250/255X100 SBT	250	255	100
261000	280/285X60 SBT	280	285	60
261005	280/285X100 SBT	280	285	100
261010	300/305X60 SBT	300	305	60
261015	300/305X100 SBT	300	305	100

Other dimensions and designs can be supplied on request.
All measures in mm.

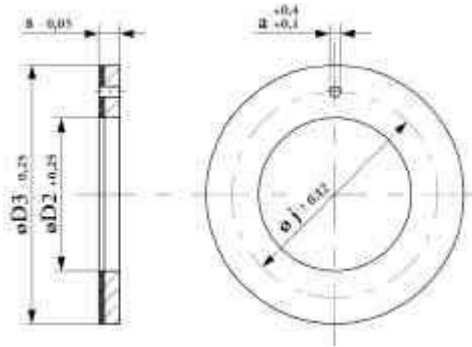
Dimension programme SBT-F



Code	Designation	d	D	D2	L
262060	06/08/12X04 SBT-F	06	08	12	04
262070	06/08/12X07 SBT-F	06	08	12	07
262080	06/08/12X08 SBT-F	06	08	12	08
262090	08/10/15X05,5 SBT-F	08	10	15	05,5
262100	08/10/15X07,5 SBT-F	08	10	15	07,5
262110	08/10/15X09,5 SBT-F	08	10	15	09,5
262120	10/12/18X07 SBT-F	10	12	18	07
262130	10/12/18X09 SBT-F	10	12	18	09
262140	10/12/18X12 SBT-F	10	12	18	12
262150	10/12/18X17 SBT-F	10	12	18	17
262160	12/14/20X07 SBT-F	12	14	20	07
262170	12/14/20X09 SBT-F	12	14	20	09
262180	12/14/20X12 SBT-F	12	14	20	12
262190	12/14/20X17 SBT-F	12	14	20	17
262200	14/16/22X12 SBT-F	14	16	22	12
262210	14/16/22X17 SBT-F	14	16	22	17
262220	15/17/23X09 SBT-F	15	17	23	09
262230	15/17/23X12 SBT-F	15	17	23	12
262240	15/17/23X17 SBT-F	15	17	23	17
262250	16/18/24X12 SBT-F	16	18	24	12
262260	16/18/24X17 SBT-F	16	18	24	17
262270	18/20/26X12 SBT-F	18	20	26	12
262280	18/20/26X17 SBT-F	18	20	26	17
262290	18/20/26X22 SBT-F	18	20	26	22
262300	20/23/30X11,5 SBT-F	20	23	30	11,5
262310	20/23/30X16,5 SBT-F	20	23	30	16,5
262320	20/23/30X21,5 SBT-F	20	23	30	21,5
262330	25/28/35X11,5 SBT-F	25	28	35	11,5
262340	25/28/35X16,5 SBT-F	25	28	35	16,5
262350	25/28/35X21,5 SBT-F	25	28	35	21,5
262360	30/34/42X16 SBT-F	30	34	42	16
262370	30/34/42X26 SBT-F	30	34	42	26
262380	35/39/47X16 SBT-F	35	39	47	16
262390	35/39/47X26 SBT-F	35	39	47	26
262400	40/44/53X26 SBT-F	40	44	53	26

Other dimensions and designs can be supplied on request.
All measures in mm.

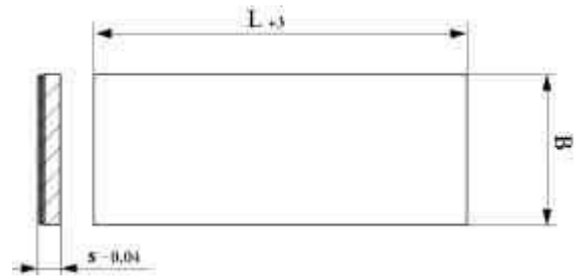
Dimension programme SBT-Washers



Code	Designation	s	D2	D3	a
261600	1,5X10X20-L WASHER SBT	1,5	10	20	1,5
261610	1,5X12X24-L WASHER SBT	1,5	12	24	1,5
261620	1,5X14X26-L WASHER SBT	1,5	14	26	2,0
261630	1,5X16X30-L WASHER SBT	1,5	16	30	2,0
261640	1,5X18X32-L WASHER SBT	1,5	18	32	2,0
261650	1,5X20X36-L WASHER SBT	1,5	20	36	3,0
261660	1,5X22X38-L WASHER SBT	1,5	22	38	3,0
261670	1,5X24X42-L WASHER SBT	1,5	24	42	3,0
261680	1,5X26X44-L WASHER SBT	1,5	26	44	3,0
261690	1,5X28X48-L WASHER SBT	1,5	28	48	4,0
261700	1,5X32X54-L WASHER SBT	1,5	32	54	4,0
261710	1,5X38X62-L WASHER SBT	1,5	38	62	4,0
261720	1,5X42X66-L WASHER SBT	1,5	42	66	4,0
261730	2,0X48X74-L WASHER SBT	2,0	48	74	4,0
261740	2,0X52X78-L WASHER SBT	2,0	52	78	4,0
261750	2,0X62X90-L WASHER SBT	2,0	62	90	4,0
261850	2,5X100X160 WASHER SBT	2,5	100	160	4,0

Other dimensions and designs can be supplied on request.
All measures in mm.

Dimension programme SBT-Sheets



Code	Designation	s	B	L
261505	1,0X125X500 SHEET SBT	1,0	125	500
261510	1,5X125X500 SHEET SBT	1,5	125	500
261515	2,0X150X500 SHEET SBT	2,0	150	500
261520	2,5X150X500 SHEET SBT	2,5	150	500
261525	3,0X150X500 SHEET SBT	3,0	150	500

Other dimensions and designs can be supplied on request.
All measures in mm.

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