

We are the leading distributor of Thermoplastic bearing units from ANB.

There are many reasons to use ANB housings, such as:

- 100% corrosion resistant PBT reinforced material.
- 100% plain mounting surface to avoid debris getting trapped.
- Stainless steel greasing nipple.
- All seals and caps with stainless springs.
- FDA & FSDA approved.
- 100% smooth surface for minimized bacteria growth.
- Stainless and seamless insert reinforcements in the mounting holes.
- Caps DO NOT FALL OFF.
- 100% interchangeable with cast iron units.
- Temperatures from -35 to 102 degrees C.

We supply the ANB housings from stock in Green, White and Black colour.

Units can either be assembled with High-Quality bearings or "Economy" bearings.

3D drawings available upon request.



You can choose between ANB inserts or "Economy" inserts (SSUC)

Technical data

- No corrosion
- FDA&FSDA approval
- From 12 to 50 mm.
- Interchangeable with cast iron standarts units
- Maintenance free
- Temperature work from - 35 to 102 degree
- Tensile strength at break (ASTM 0630) is an impressive 17.300 PSI
- Excellent mechanical strengths stiffness and dimension stability
- Stainless Steel greaser and inserts
- Solid base prevents dirt and bacteria
- Reliable

Options

- Closed covers
- Open covers (with Stainless Steel spring)
- Back seals
- Color

Bearing inserts

- Stainless Steel type MUC
- Stainless Steel type MB
- Steel UC
- Steel B
- Economy stainless steel type SSUC
- Economy stainless steel type SSSB

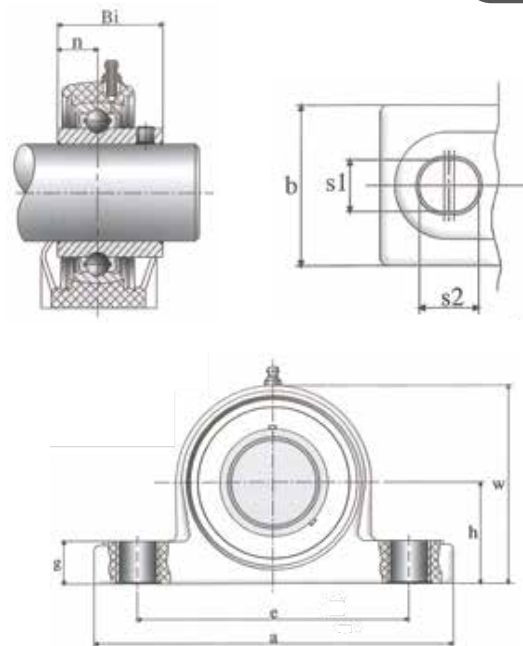
Material

- Housing: Exclusive PBT
- Stainless Steel 304 inserts
- Stainless Steel 304 greaser
- Cover: Polypropylene
- Stainless Steel ring

Designation example

MUC PPL — Type
206 — Size
White — Colour

PPL



Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	8800	13700	12650	12750	13100	13360	13850
	7700	10000	10600	10800	11100	11400	11750
	5000	8100	5750	7500	8500	8950	9550

Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	h	a	e	b	s1	s2	g	w	Bi		n	bolt d.
PPL204	12	33,3	127	95	38	11	14	14,2	65,5	31	12,7	0,32	M10	18
PPL204	15	33,3	127	95	38	11	14	14,2	65,5	31	12,7	0,31	M10	18
PPL204	17	33,3	127	95	38	11	14	14,2	65,5	31	12,7	0,30	M10	18
PPL204	20	33,3	127	95	38	11	14	14,2	65,5	31	12,7	0,29	M10	18
PPL205	25	36,5	140,5	105	38	11	14	14,5	71	34	14,3	0,34	M10	25
PPL206	30	42,9	163	119	46	14	18	17,8	84	38,1	15,9	0,54	M12	30
PPL207	35	47,6	168	127	48	14	18	18	94,5	42,9	17,5	0,78	M12	35
PPL208	40	49,2	184	137	54	14	18	19,5	99	49,2	19	0,97	M12	45
PPL209	45	54	192	146	54	17	20	23	106	49,2	19	1,09	M16	50
PPL210	50	57,2	206	159	60	17	20	23	114	51,6	19	1,20	M16	55

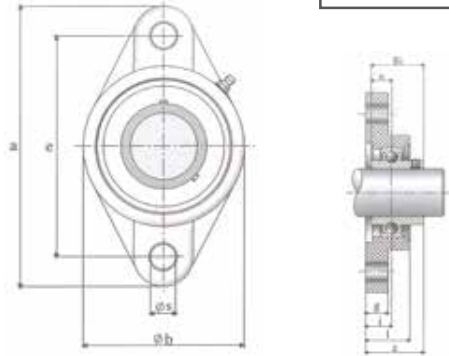
- Thermoplastic housed pillow blocks.
- Use of back seal cannot be recommended



Designation example
MUC NFL — Type
204 — Size
White — Colour

NFL

Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	11750	11375	16450	16900	17350	17600	17950
	11000	13850	13350	13950	14050	14300	14550
	8500	11100	14200	14900	14900	15150	15650



Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	a	e	b	g	l	s	z	i	Bi		n	bolt d.
NFL204	12	114	90	65	11,4	26,5	11	33,7	15,4	31	12,7	0,27	M10	18
NFL204	15	114	90	65	11,4	26,5	11	33,7	15,4	31	12,7	0,26	M10	18
NFL204	17	114	90	65	11,4	26,5	11	33,7	15,4	31	12,7	0,25	M10	18
NFL204	20	114	90	65	11,4	26,5	11	33,7	15,4	31	12,7	0,24	M10	18
NFL205	25	131	99	69,5	13,5	29,1	11	36,7	17	34	14,3	0,30	M10	25
NFL206	30	148	117	80	13,3	30,5	11	41,2	19	38,1	15,9	0,45	M10	30
NFL207	35	164	130	90	16,1	32,8	13	43,4	18	42,9	17,5	0,66	M12	35
NFL208	40	176	144	100	20	37,5	14	51,7	21,5	49,2	19	0,87	M12	40
NFL209	45	188,5	148,5	108	21	41	17	54,2	24	49,2	19	1,00	M16	45
NFL210	50	197	157	115	21	43	17	57,6	25	51,6	19	1,20	M16	50

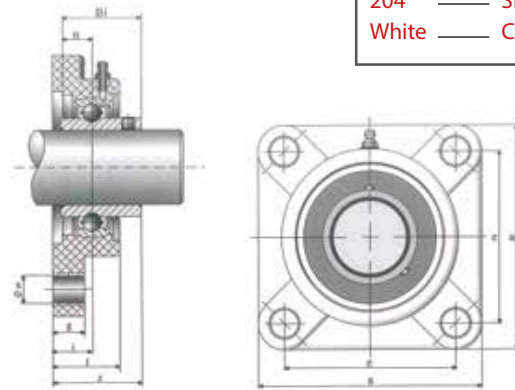
– Thermoplastic housed 2-bolt flange.

FPL



Designation example
MUC FPL — Type
204 — Size
White — Colour

Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	15950	13000	18000	18500	19100	19350	19650
	10250	12150	17700	18500	19250	19350	19620
	3650	3350	3350	3520	3790	3850	3990



Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	a	e	g	l	s	z	i	Bi	n		bolt d.	Nm
FPL204	12	87	63,5	13,4	27,8	11	36,3	18	31	12,7	0,32	M10	18	
FPL204	15	87	63,5	13,4	27,8	11	36,3	18	31	12,7	0,31	M10	18	
FPL204	17	87	63,5	13,4	27,8	11	36,3	18	31	12,7	0,30	M10	18	
FPL204	20	87	63,5	13,4	27,8	11	36,3	18	31	12,7	0,29	M10	18	
FPL205	25	95	70	14,3	28	11	36,7	17	34	14,3	0,36	M10	25	
FPL206	30	107	83	14,3	31,5	11	41,4	19,2	38,1	15,9	0,50	M10	30	
FPL207	35	118	92	15,5	34,8	13	46,9	21,5	42,9	17,5	0,74	M12	35	
FPL208	40	130	102	17	37,5	14	53,2	23	49,2	19	0,97	M12	40	
FPL209	45	137	105	19	41	17	54,2	24	49,2	19	1,10	M16	45	
FPL210	50	143	111	21	43	17	57,2	25	51,6	19	1,25	M16	50	

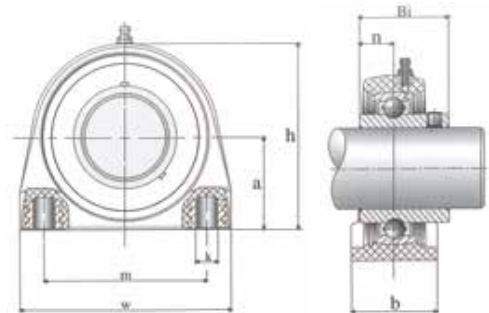
– Thermoplastic housed square flange.

Thermoplastic bearing units

Thermoplastic bearing units

Designation example

MUC TBL — Type
204 — Size
White — Colour



TBL

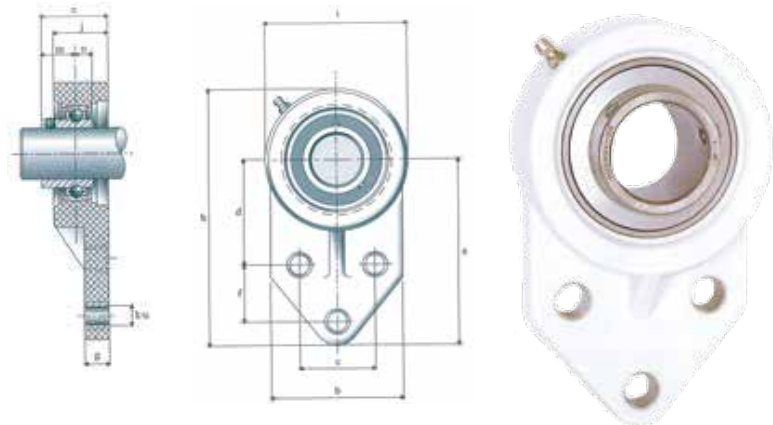
Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	8210	8540	10370	12150	12230	12900	13850
	6900	7010	6580	8080	9100	10400	11050
	2980	2850	4950	8160	9800	10710	11360

Housing number	Shaft diameter	Dimensions (mm)								Weight (Kg.)	max. Torque	
		mm.	a	b	h	m	w	k	Bi		n	bolt d.
TBL204	12	33,3	34,5	66	50,8	72,8	M8	31	12,7	0,38	M8	18
TBL204	15	33,3	34,5	66	50,8	72,8	M8	31	12,7	0,37	M8	18
TBL204	17	33,3	34,5	66	50,8	72,8	M8	31	12,7	0,36	M8	18
TBL204	20	33,3	34,5	66	50,8	72,8	M8	31	12,7	0,35	M8	18
TBL205	25	36,5	39,5	73,5	50,8	76,2	M10	34	14,3	0,40	M10	25
TBL206	30	42,9	42,5	84	76,2	101	M10	38,1	15,9	0,55	M10	30
TBL207	35	47,6	47,5	95	82,6	110	M10	42,9	17,5	0,80	M10	35
TBL208	40	49,2	48	100,5	88,9	120	M12	49,2	19	0,95	M12	45
TBL209	45	54	50	108,5	95,3	124	M12	49,2	19	1,10	M16	50

- Thermoplastic housed tapped base.
- Back seal not possible

Designation example

MUC FBL — Type
204 — Size
White — Colour



FBL

Mode of load	Breaking point test			
	204	205	206	207
	7200	9100	12200	12900
	9200	11100	11800	11900
	2600	2800	2900	3100

Housing number	Shaft diameter	Dimensions (mm)													Weight (Kg.)	max. Torque	
		mm.	a	b	c	d	e	f	g	h	i	j	k	m		n	bolt d.
FBL204	12	76,2	62	38,1	42,9	33,7	22,2	11,4	108	63,5	26,5	10,7	18,3	12,7	0,28	M10	18
FBL204	15	76,2	62	38,1	42,9	33,7	22,2	11,4	108	63,5	26,5	10,7	18,3	12,7	0,26	M10	18
FBL204	17	76,2	62	38,1	42,9	33,7	22,2	11,4	108	63,5	26,5	10,7	18,3	12,7	0,25	M10	18
FBL204	20	76,2	62	38,1	42,9	33,7	22,2	11,4	108	63,5	26,5	10,7	18,3	12,7	0,25	M10	18
FBL205	25	85,7	63,5	41,3	46	41,2	28,6	11,4	120,6	70	34	10,7	19,7	14,3	0,30	M10	25
FBL206	30	96,5	76	47,6	52,4	41,5	31,8	13,3	138,5	83	32	10,7	22,2	15,9	0,46	M10	30
FBL207	35	109,5	89	50,8	60,3	47,1	31,8	16,1	157	95	36,5	13,1	25,4	17,5	0,66	M12	35

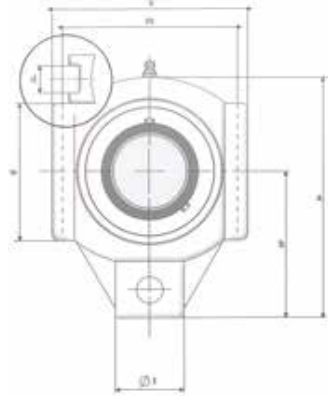
- Thermoplastic housed 3-bolt flange.

Thermoplastic bearing units

TPL

Designation example

MUC TPL — Type
204 — Size
White — Colour



Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	14800	15500	15800	16500	17300	18210	18860
	3930	4530	5100	6500	7800	8710	9750
	8500	10350	10900	11300	12150	12900	13550
	40770	45300	46100	44100	42800	44230	44880



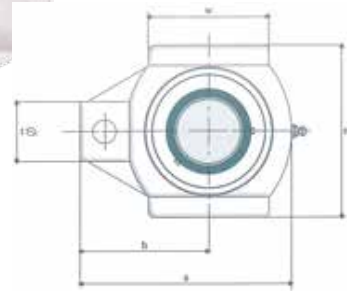
Housing number	Shaft diameter	Dimensions (mm)											Weight (Kg.)
		mm.	a	c	d	h	m	s	t	v	w	Bi	
TPL204	12	99	27,5	12	64	76	M16	36	89	47	31	12,7	0,38
TPL204	15	99	27,5	12	64	76	M16	36	89	47	31	12,7	0,37
TPL204	17	99	27,5	12	64	76	M16	36	89	47	31	12,7	0,36
TPL204	20	99	27,5	12	64	76	M16	36	89	47	31	12,7	0,35
TPL205	25	99	27,5	12	64	76	M16	36	89	47	34	14,3	0,40
TPL206	30	125	34,5	12	76	89	M16	40	102,5	63	38,1	15,9	0,55
TPL207	35	125	34,5	12	76	89	M16	40	102,5	63	42,9	17,5	0,80
TPL208	40	140	34,5	16	85	102	M16	40	113	80	49,2	19	0,95
TPL209	45	149	40	16	90	102	M20	50	117	85	49,2	19	1,10
*TPL210	50	149	40	16	90	102	M20	50	117	85	51,6	19	1,25

- Thermoplastic housed take-up unit.
- Back seal not possible
* Only available in black, not ANB brand

HPL

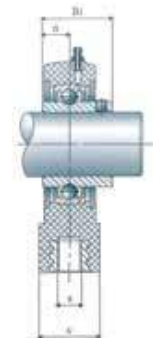
Designation example

MUC HPL — Type
204 — Size
White — Colour



Mode of load	Breaking point test						
	204	205	206	207	208	209	210
	14800	15500	15800	16500	17300	18210	18860
	3930	4530	5100	6500	7800	8710	9750
	8500	10350	10900	11300	12150	12900	13550
	40770	45300	46100	44100	42800	44230	44880

Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)
		mm.	a	c	h	m	s	t	w	Bi	n	
HPL204	12	99	27,5	63,5	65	M16	36	47	31	12,7	0,38	
HPL204	15	99	27,5	63,5	65	M16	36	47	31	12,7	0,37	
HPL204	17	99	27,5	63,5	65	M16	36	47	31	12,7	0,36	
HPL204	20	99	27,5	63,5	65	M16	36	47	31	12,7	0,35	
HPL205	25	99	27,5	63,5	74	M16	36	47	34	14,3	0,40	
HPL206	30	125	34,5	76	90	M16	40	63	38,1	15,9	0,55	
HPL207	35	125	34,5	76	90	M16	40	63	42,9	17,5	0,80	
HPL208	40	140	34,5	85	100	M16	40	80	49,2	19	0,90	
HPL209	45	149	40	90	110	M20	50	85	49,2	19	1,10	
HPL210	50	149	40	90	110	M20	50	85	51,6	19	1,20	

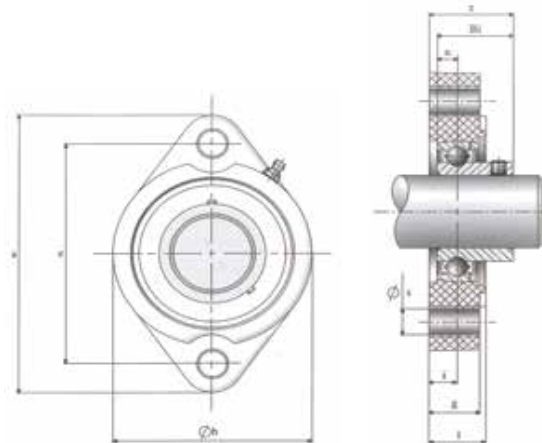


- Thermoplastic housed hanger unit.
- Back not possible

Designation example
MB CTL — Type
204 — Size
White — Colour



CTL



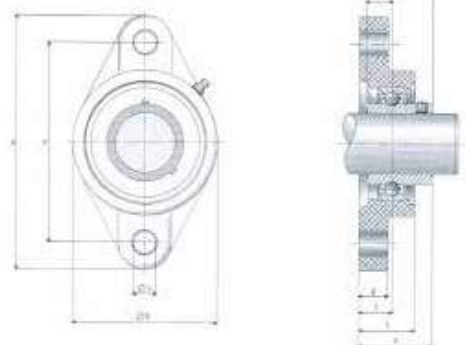
Mode of load	Breaking point test				
	204	205	206	207	208
	9900	10100	14000	14300	14700
	9300	11700	11300	11800	11900
	7200	9400	12000	12600	12800

Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	a	e	b	g	l	s	z	Bi	n		i	bolt d.
CTL204	20	90,5	71,4	66,5	18,4	20	9	27	24,7	7	9,5	0,17	M8	15
CTL205	25	97	76,2	71	18,4	21,2	9	29,5	27	7,5	10,0	0,22	M8	15
CTL206	30	112,5	90,5	84	20,5	23,3	11	33,5	30,3	8	11,5	0,34	M10	20
*CTL207	35	126	100	94	22,5	25,3	11	36,5	32,9	8,5	12,5	0,49	M10	25
*CTL208	40	150	119	100	24	26,8	14	39,5	35,5	9	13,5	0,62	M12	30

- Thermoplastic housed 2 bolt range.
- Back seal not possible.
- * Only available in white

Unit number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	a	e	b	g	l	s	z	Bi	n		bolt d.	Nm
LNFL201	12	100	76,5	56	11,4	26	10,7	31,4	26	10	0,24	M10	16	
LNFL202	15	100	76,5	56	11,4	26	10,7	31,4	26	10	0,23	M10	16	
LNFL203	17	100	76,5	56	11,4	26	10,7	31,4	26	10	0,22	M10	16	
LNFL204	20	100	76,5	56	11,4	26	10,7	31,4	24,7	10	0,22	M10	16	

LNFL 200

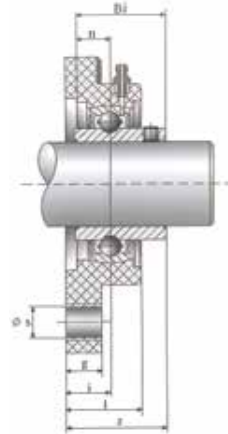


Thermoplastic bearing units

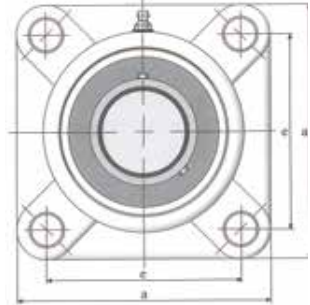


L-FPL

Mode of load	Breaking point test				
	201	203	205	206	207
	14500				
	9250				
	3550				



Designation example
MUC L-FPL — Type
203 — Size
White — Colour



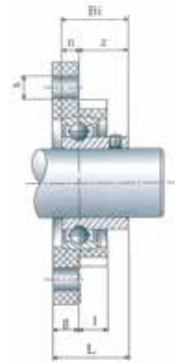
Housing number	Shaft diameter	Dimensions (mm)										Weight (Kg.)	max. Torque	
		mm.	a	e	g	l	s	z	i	Bi	n		bolt d.	Nm
L-FPL203	12	77	54	13,3	28	10,7	33	17	26	10	0,24	M10	16	
L-FPL203	15	77	54	13,3	28	10,7	33	17	26	10	0,23	M10	16	
L-FPL203	17	77	54	13,3	28	10,7	33	17	26	10	0,22	M10	16	

- Thermoplastic housed light 4-hole flange
- Only available in white

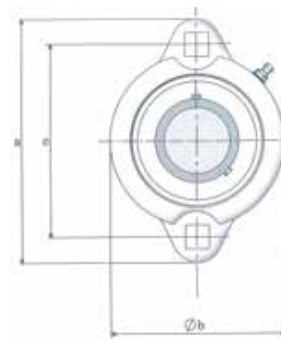
LXL



Mode of load	Breaking point test				
	203	204	205	206	207
	8000	8400	8800	11500	11800
	7800	8500	9200	10900	11600
	5200	6300	8600	10300	10500



Designation example
MB/MUC
Mini LXL — Type
203 — Size
White — Colour



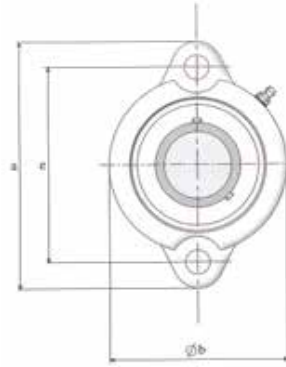
Housing number	Shaft diameter	Dimensions (mm)										bolt size (mm)	Weight (Kg.)
		mm.	a	c	h	m	s	t	w	Bi	L		
MUC Mini LXL203	12	81	64	10	8	7	56	16	22	28,6	6	M6	0,26
MUC Mini LXL203	15	81	64	10	8	7	56	16	22	28,6	6	M6	0,26
MUC Mini LXL203	17	81	64	10	8	7	56	16	22	28,6	6	M6	0,24
MBLXL204	20	90	71	11	9	9	63	17,5	24,7	31	7	M8	0,28

- Thermoplastic housed 2-hole flange.
- Not flat on the back.
- Back seal and caps not possible.
- Only available in white

Thermoplastic bearing units

Thermoplastic bearing units

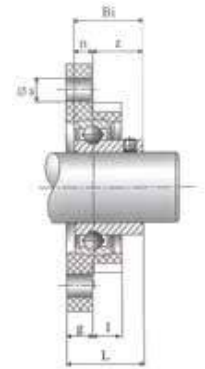
Designation example
MB/MUCmini LFL- Type
203 — Size
White — Colour



LFL

Mode of load	Breaking point test				
	203	204	205	206	207
	8000	8400	8800	11500	11800
	7800	8500	9200	10900	11600
	5200	6300	8600	10300	10500

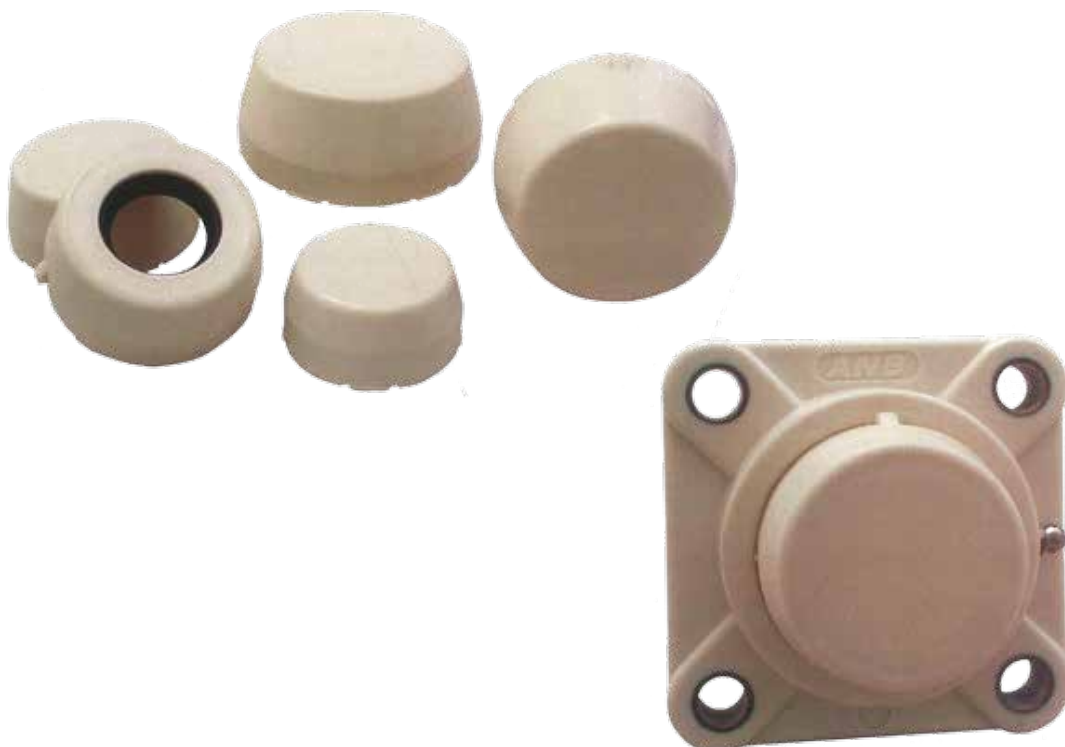
Housing number	Shaft diameter	Dimensions (mm)										bolt size	Weight
		mm.	a	e	g	l	s	b	z	Bi	L		
MUC201 mini LFL203	12	81	64	10	8	7	56	16	22	28,6	6	M6	0,26
MUC202 mini LFL203	15	81	64	10	8	7	56	16	22	28,6	6	M6	0,25
MUC203 mini LFL203	17	81	64	10	8	7	56	16	22	28,6	6	M6	0,24
MBLFL204	20	90	71	11	9	10	63	17,5	24,7	31	7	M8	0,28
MBLFL205	25	95	76	11	10	10	69	19,5	27	31	7,5	M8	0,36



- Thermoplastic housed 2-hole flange.
- Back seal and caps not possible.
- Only available in white

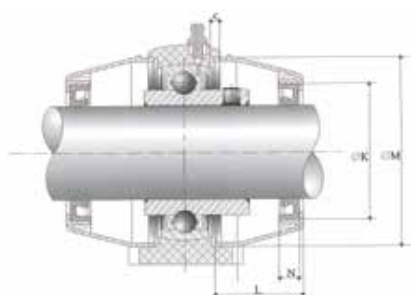
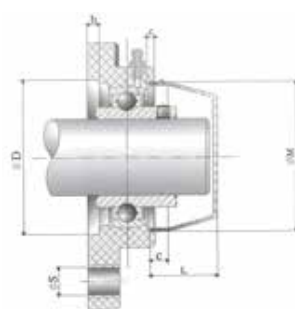
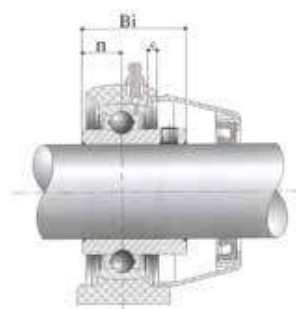
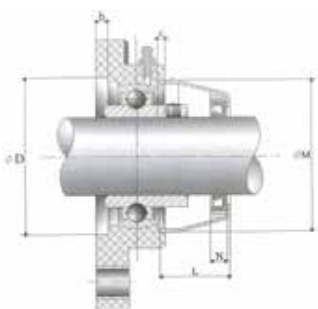
Covers - Thermoplastic units

Caps available in white, black and green



Thermoplastic bearing units

Dimensions / Material



Shaft diameter mm.	Dimensions (mm)						
	K	N	L	M	D	b	c
12	28	7	22	45	46	6	2,5
15	28	7	22	45	46	6	2,5
17	28	7	22	45	46	6	2,5
20	32	7	23	50	52	6	3
25	37	7	25	55	62	6	4
30	42	7	30	64	72	6	4
35	47	7	32	74,5	82	6	4,5
40	52	7	37	84	88	6	3,5
45	57	7	41	89	93	6	4,5
50	62	7	47	94	98	6	5

Physical properties

Properties	Unit	Test method	Value
Density	G/cm ³	DIN 53479	1,53
Water absorption (23 ⁰)	%	DIN 53495	0,5
Mould Shrinkage	%	-	0,4
Moisture absorption (23 ⁰)	%	DIN 53714	0,2

Mechanical properties

Properties	Unit	Test method	Value
Tensile yield strength	MPa	ASTM-D638	12
Elongation at break	%	ASTM-D638	1125
Flexural strength	MPa	ASTM-D790	29
Notched izod impact	J/m	ASTM-D256	12

Thermal properties

Properties	Unit	Test method	Value
HDT at load 1,8 Mpa	°C	DIN 53461	210
HDT at load 0,45 MPa	°C	DIN 53461	220
Melting point	°C	-	225
UL Flammability (thickness)	°C	UL 94	HB
Max. Temp in glow wire test	°C	IEC 695/2/1	
2 mm. thickness			750
4 mm. thickness			960

Electrical properties

Properties	Unit	Test method	Value
Dielectric constant at 1 MHz	-	IEC 250	3,8
Dielectric	Kv/mm.	VDE 0303/2	34
Volume resistivity	Ohm x cm.	VDE 0303/2	>10 ¹⁵
Surface resistivity	ohm	VDE 0303/2	>10 ¹⁵



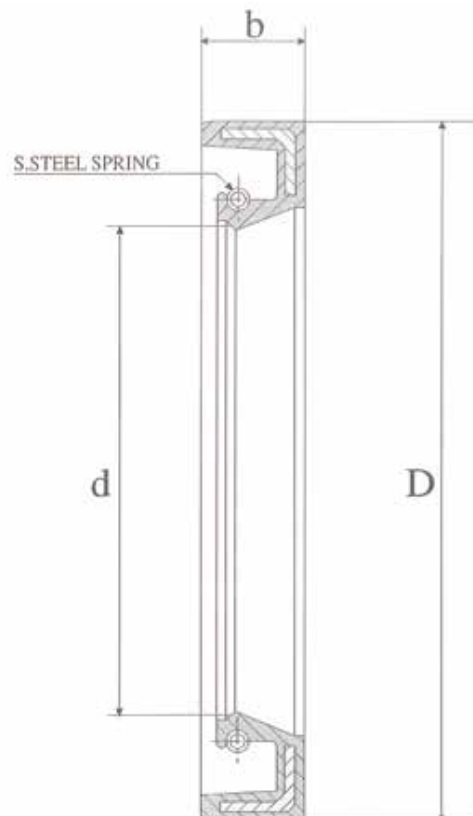
Back
Seals

Back Seals

Back seal eliminates the down-time associated with particles that invade bearing components and ultimately cause failure.

Back Seal eliminates the down-time associated with peeling, chipping and flaking of the housing.

They can only be used with B steel insert, Special MB Stainless Steel inserts or SS SB.



Size	Dimensions (mm)		
	d	b	D
202	15	6	46
203	17	6	46
204	20	6	52
205	25	6	62
206	30	6	72
207	35	6	82
208	40	6	88
209	45	6	93
210	50	6	98