

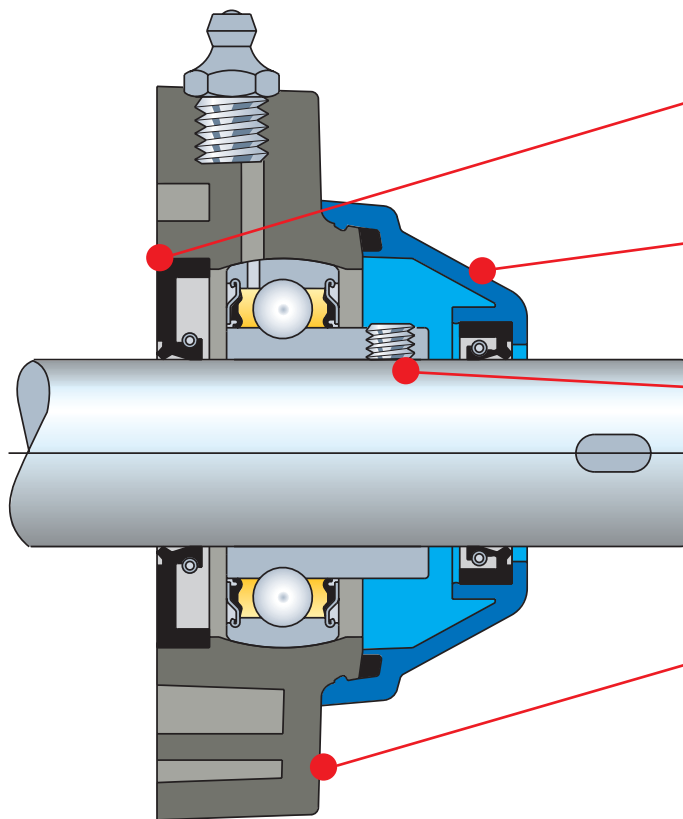
PRODUCT CATALOGUE
2008

MARBETT®
GOLD SELF-ALIGNING BEARINGS



FlatTop Europe

REXNORD
PRECISION. POWER. PERFORMANCE.



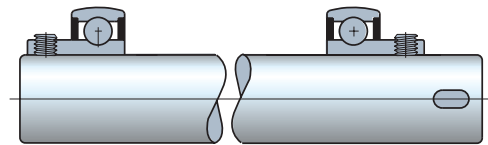
Waterproof housing

The waterproof sealing system guarantees protection of the bearing from the external environment

Inspectable bearing

The clip-on protection cover can be removed for bearing inspection

Locking by grub screws



ISO dimensions

The overall dimensions can be interchanged with the corresponding cast iron type bearings





The company

Rexnord is a global company supplying many industries with power transmission and conveying components. The product offering ranges from roller chains, couplings and geared products to conveyor chains, belts and components. The head office is based in the United States, with several divisions all over the world. The Rexnord FlatTop division is manufacturing conveyor chains, belts and components.

Rexnord is fully committed to meet customer expectations; huge knowledge of the business reduces maintenance costs, eliminates redundant inventories and prevents downtime, all in close co-operation with OEMs and end users. This is a result of Rexnord's focus on product development, application engineering, operations and customer service.

Rexnord FlatTop Europe represents 3 strong brands: Rexnord, MCC and Marbett.

With production facilities in 's-Gravenzande and Correggio, sales offices in The Netherlands, Italy, France and Germany, a large sales group for local service in many countries and distributors all over the world, Rexnord is always close to its customers. In this way a fast and reliable delivery is guaranteed.

Rexnord chains and belts are being used to convey a wide variety of products: bottles, cans, boxes, crates, tires, loose food, glass jars, PET containers, trays; shortly every transport in production halls in virtually any industry.

The product range has been split up over two catalogues, one for Rexnord/MCC Table Top/MatTop chains and one for Marbett conveyor components.

The industries served

As the handling specialist in the field of conveying, the Rexnord product portfolio is providing solutions for complete lines in several industries in order to improve productivity.

In beverage industry palletizers, depalletizers, washers, labelers, fillers, pasteurizers, inliners, outfeeds, elevators and accumulation tables are equipped with slatband chains, curves, sprockets, belts, bearings, leveling elements and many more conveyor components.



For the container manufacturing industry special products and materials are available, such as abrasion resistant polyamide for glass plants, vacuum chains for can making and gripper chains for vertical transport.

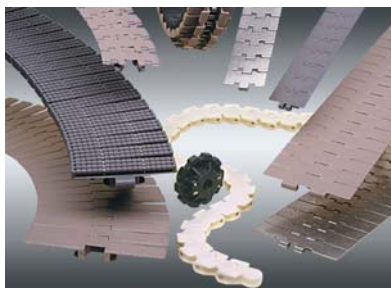
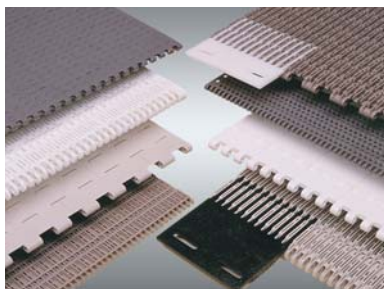


For food industry applications modular belts and components with Microban antibacterial protection are used in deboning, grading and trimming lines for meat, poultry and seafood. A wide range of products is also offered for blanchers, cookers, washers, coolers and processing lines in fruit, vegetables, bakery, confectionary etc. And many more products are available for the handling of packed food.



In automotive industry the products are engineered to meet the most demanding applications, such as rubber processing and tire handling.

This is just a short selection of the applications in which Rexnord products are being used. Among others they have also found their way into pharmaceutical production lines, battery manufacture, paper and cardboard production.



Rexnord and MCC TableTop chains and MatTop belts

The product line can be split up into:

- Steel slatband chains

In various materials ranging from carbon steel to special stainless steel with better wear and sliding properties; types straight running, sideflexing tab, bevel and Magnetflex, with

and without rubber top.

- Plastic slatband chains

Wide range of materials and various executions; single hinge, double hinge, heavy duty, vacuum, lbp rollers and rubber top.

- Plate Top and Gripper chains

Based on the Rexnord roller chains in both stainless and carbon steel; Plate Top chains have steel or plastic top plates; Gripper chains have different types of rubber inserts.

- Case conveyor and Multiflex chains

Different types of acetal for both straight running and sideflexing transport of products varying from heavy crates to small juice packs.

- Curves

Magnetflex, Tab and bevel, as well as straight tracks to support the chain in all parts of the line; there are many standard versions besides the ability to make any special curve needed

in your applications with short delivery times.

- Modular belts

Pitches differ from 0.5 to 2.25 inch to suit any application. Most series have both closed and open top executions; some also available with rubber top for inclined conveying.

Marbett conveyor components

The product line can be split up into:

- Chain guide components

Profiles, corner tracks, straight tracks, return rollers, serpentine, plugs for connections.

- Product handling components

Guide rails, roller guides, guide rail clamps, guide rail brackets and connecting clamps in plastic or stainless steel.

- Frame support components

Side mounting top brackets, bearing heads, support bases and connecting joints, stainless steel components.

- Supporting and leveling elements

Different versions in steel and plastic, articulated and fixed, with and without gripper bottom and vibration absorbing feet.

- Self-aligning bearings

Square, oval, pillow block, side flange, take-up, round, and other executions, all with open and closed unit. Lubricated for life versions are also available.

- Miscellaneous components

Line control elements, hinges, locks, knobs, modular transfer roller plates, rollers, tensioners, nozzles, cable carriage chains, shaft collars and nose-over bars.

Square flange bearing UCF/C - HCF/C

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Square flange bearing UCFS/C - HCFS/C

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Oval flange bearing UCFL/C - HCFL/C

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Oval flange bearing UCFLS/C - HCFLS/C

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Pillow block type bearing
UCP/C - HCP/C

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Compact pillow block
UCPA/C - HCPA/C

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Side flange bearing
UCFB/C - HCFB/C

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Take-up bearing
UCT/C - HCT/C

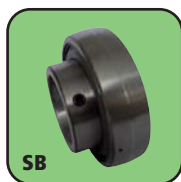
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Square flange bearing UCF/C - HCF/C



- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing
 - High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



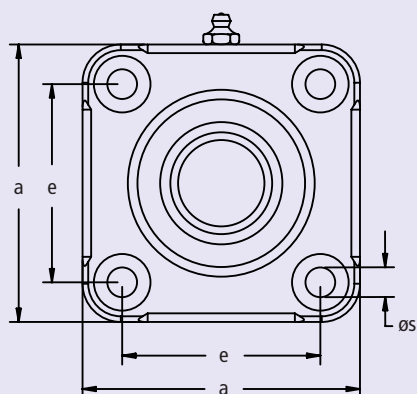
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

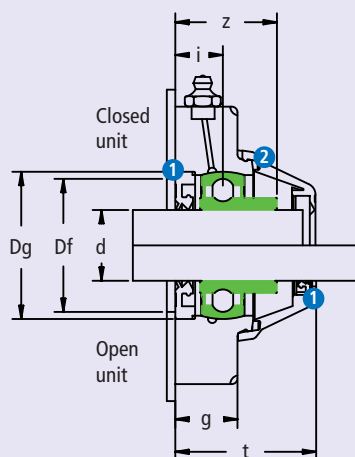
Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load	
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N	 PA FV N	 PA FV N
	dyn. C N	stat. Co N		dyn. C N	stat. Co N			
25	10800	7000	2160	9150	7000	1830	17000	18000
25*	10800	7000	2160	9150	7000	1830	17000	18000
30	15100	10000	3020	12500	10000	2500	17000	18000
35	19900	13700	3980	16600	13700	3320	18000	22000
35*	19900	13700	3980	16600	13700	3320	17000	18000
40	22600	15700	4520	20000	15700	4000	18000	22000
40*	22600	15700	4520	20000	19000	4000	17000	18000
45*	-	-	-	21000	20000	4500	27800	30400
50*	-	-	-	22000	21000	5000	27800	30400

*= Version with special fixing holes

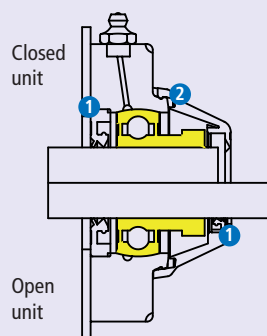
- 1 Seal.
- 2 O-Ring.



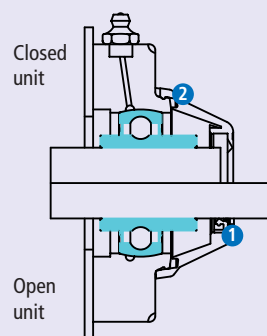
- Series UCF/C
Bearing UB in Chrome alloy Steel
Grub screws shaft locking



- Series HCF/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking



- Series UCF/C
Bearing UC in Stainless Steel
Grub screws shaft locking



UCF/C - HCF/C

dia. d mm	Series	Housing material	Dimensions in mm								Bore in frame ¹⁾ Df		Bearing	Weight Kg	Base unit without seal and cover	Spare parts Cover Blue
		Polyamide PA FV Standard Flange (black) Cover (Blue)									max.	min.				
		Code	e	a	s	g	i	Z	t	Dg						
Grub screws shaft locking • Closed unit																
25	UCF 205 C	674502	70	98	11	22,5	16,8	36,3	49,5	52	50	45	SB 205	0,40	676102	675322
25*	SUCF 205 C	622713	83	110	11	26	19,3	38,8	54	52	50	45	SB 205	0,50	623033	675322
30	UCF 206 C	674512	83	110	11	26	20	41	55	62	60	50	SB 206	0,56	676112	675333
35	UCF 207 C	674522	92	120	11	26	19,5	43	59	72	70	55	SB 207	0,72	676122	675342
35*	SUCF 207 C	600273	83	110	11	26	19,5	43	61	72	70	55	SB 207	0,67	604203	675352
40	UCF 208 C	674532	102	131	11	30	22	47,3	65,5	80	78	65	SB 208	0,95	676132	675352
40*	SUCF 208 C	674542	83	110	11	26	19	44,3	66	80	78	65	SB 208	0,88	676142	675362
Grub screws shaft locking • Open unit																
25	UCF 205 C	674552	70	98	11	22,5	16,8	36,3	49,5	52	50	45	SB 205	0,40	676102	675372
25*	SUCF 205 C	622723	83	110	11	26	19,3	38,8	54	52	50	45	SB 205	0,50	623033	675372
30	UCF 206 C	674562	83	110	11	26	20	41	55	62	60	50	SB 206	0,56	676112	675382
35	UCF 207 C	674572	92	120	11	26	19,5	43	59	72	70	55	SB 207	0,72	676122	675392
35*	SUCF 207 C	600283	83	110	11	26	19,5	43	61	72	70	55	SB 207	0,67	604203	675482
40	UCF 208 C	674582	102	131	11	30	22	47,3	65,5	80	78	65	SB 208	0,95	676132	675402
40*	SUCF 208 C	674592	83	110	11	26	19	44,3	66	80	78	65	SB 208	0,88	676142	675412
Eccentric collar shaft locking • Closed unit																
25	HCF 205 C	622733	70	98	11	22,5	16,8	40,3	49,5	52	50	45	SA 205	0,44	623053	675322
25*	SHCF 205 C	622743	83	110	11	26	19,3	42,8	54	52	50	45	SA 205	0,57	623063	675322
30	HCF 206 C	622753	83	110	11	26	20	46,7	55	62	60	50	SA 206	0,63	623073	675332
35	HCF 207 C	622763	92	120	11	26	19,5	48,9	59	72	70	55	SA207	0,90	623083	675342
35*	SHCF 207 C	622773	83	110	11	26	19,5	48,9	61	72	70	55	SA 207	0,85	623093	675352
40*	SHCF 208 C	622783	83	110	11	26	19	51,7	66	80	78	65	SA 208	1,07	623103	675362
Eccentric collar shaft locking • Open unit																
25	HCF 205 C	622793	70	98	11	22,5	16,8	40,3	49,5	52	50	45	SA 205	0,44	623053	675372
25*	SHCF 205 C	622803	83	110	11	26	19,3	42,8	54	52	50	45	SA 205	0,57	623063	675372
30	HCF 206 C	622813	83	110	11	26	20	46,7	55	62	60	50	SA 206	0,63	623073	675382
35	HCF 207 C	622823	92	120	11	26	19,5	48,9	59	72	70	55	SA 207	0,90	623083	675392
35*	SHCF 207 C	622833	83	110	11	26	19,5	48,9	61	72	70	55	SA 207	0,85	623093	675482
40*	SHCF 208 C	622843	83	110	11	26	19	51,7	66	80	78	65	SA 208	1,07	623103	675412
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																
25	UCF 205 C	622853	70	98	11	22,5	16,8	36,6	49,5	52	50	45	UC 205 2RF	0,40	623113	675322
25*	SUCF 205 C	622863	83	110	11	26	19,3	39,1	54	52	50	45	UC 205 2RF	0,50	623123	675322
30	UCF 206 C	622873	83	110	11	26	20	42,2	55	62	60	50	UC 206 2RF	0,56	623133	675332
35	UCF 207 C	622883	92	120	11	26	19,5	45	59	72	70	55	UC 207 2RF	0,72	623143	675342
35*	SUCF 207 C	622893	83	110	11	26	19,5	40,9	61	72	70	55	UC 207 2RF	0,67	623153	675352
40	UCF 208 C	622903	102	131	11	30	22	52,2	65,5	80	78	65	UC 208 2RF	0,95	623163	675352
40*	SUCF 208 C	622913	83	110	11	26	19	52,2	66	80	78	65	UC 208 2RF	0,88	623173	675362
45*	SUCF 209 C	622923	102	131	11	30	23	53,2	73	85	83	75	UC 209 2RF	1,10	623183	623203
50*	SUCF 210 C	622933	102	131	11	30	23	55,6	73	90	88	80	UC 210 2RF	1,20	623193	623203
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																
25	UCF 205 C	622943	70	98	11	22,5	16,8	36,6	49,5	52	50	45	UC 205 2RF	0,40	623113	675372
25*	SUCF 205 C	622953	83	110	11	26	19,3	39,1	54	52	50	45	UC 205 2RF	0,50	623123	675372
30	UCF 206 C	622963	83	110	11	26	20	42,2	55	62	60	50	UC 206 2RF	0,56	623133	675382
35	UCF 207 C	622973	92	120	11	26	19,5	45	59	72	70	55	UC 207 2RF	0,72	623143	675392
35*	SUCF 207 C	622983	83	110	11	26	19,5	40,9	61	72	70	55	UC 207 2RF	0,67	623153	675482
40	UCF 208 C	622993	102	131	11	30	22	52,2	65,5	80	78	65	UC 208 2RF	0,95	623163	675402
40*	SUCF 208 C	623003	83	110	11	26	19	52,2	66	80	78	65	UC 208 2RF	0,88	623173	675412
45*	SUCF 209 C	623013	102	131	11	30	23	53,2	73	85	83	75	UC 209 2RF	1,10	623183	623213
50*	SUCF 210 C	623023	102	131	11	30	23	55,6	73	90	88	80	UC 210 2RF	1,20	623193	623223

* = Version with special fixing holes

¹⁾ = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

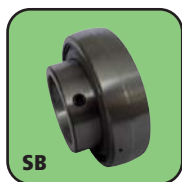
Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

Square flange bearing UCFS/C-R - HCFS/C-R



- Austenitic stainless steel surface
- Waterproof housing
- Grub screws or eccentric collar shaft locking
- Solid flange
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

Housing in reinforced polyamide PA FV resin (black) • Austenitic Stainless steel surface • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

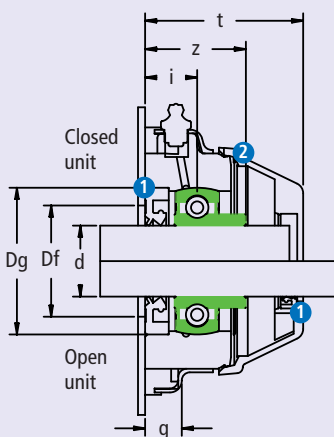
Loads

Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load	
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N		
	dyn. C N	stat. Co N		dyn. C N	stat. Co N			
30	15100	10000	3020	12500	10000	2500	20700	25300
35*	19900	13700	3980	16600	13700	3320	20700	25300
40*	22600	15700	4520	20000	19000	4000	20700	25300

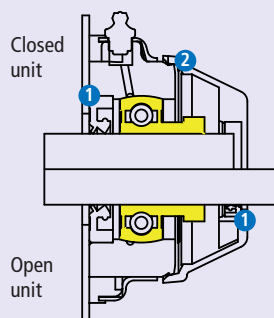
*= Version with special fixing holes

- 1 Seal.
- 2 O-Ring.

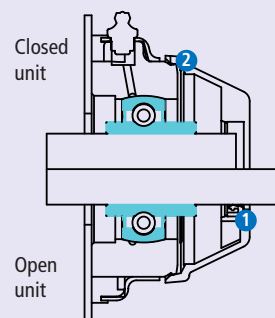
- Series UCFS/C-R
Bearing SB in Chrome alloy Steel
Grub screws shaft locking



- Series HCFS/C-R
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking



- Series UCFS/C-R
Bearing UC in Stainless Steel
Grub screws shaft locking



UCFS/C-R - HCFS/C-R

Ø d mm	Series	Housing material		Dimensions in mm										Bore in frame ¹⁾		Weight Kg	Spare parts
		Polyamide PA FV with austenitic stainless steel surface												max.			min.
		Solid Flange Cover (Blue)		Code		max.		min.		Blue	Blue						
		Code		e	a	s	g	i	z		t	Dg	max.	min.	Bearing		Code
Grub screws shaft locking • Closed unit																	
30	UCFS 206 C-R	614173	83	113	10,5	15,9	22	43	65,8	62	60	50	SB 206	0,73	675352		
35*	SUCFS 207 C-R	614193	83	113	10,5	15,9	22	45,3	65,8	72	70	55	SB 207	0,84	675352		
40*	SUCFS 208 C-R	614213	83	113	10,5	15,9	19	47,3	65,8	80	78	65	SB 208	0,94	675352		
Grub screws shaft locking • Open unit																	
30	UCFS 206 C-R	614183	83	113	10,5	15,9	22	43	65,8	62	60	50	SB 206	0,73	675472		
35*	SUCFS 207 C-R	614203	83	113	10,5	15,9	22	45,3	65,8	72	70	55	SB 207	0,84	675482		
40*	SUCFS 208 C-R	614223	83	113	10,5	15,9	19	47,3	65,8	80	78	65	SB 208	0,94	675402		
Eccentric collar shaft locking • Closed unit																	
30	HCFS 206 C-R	614233	83	113	10,5	15,9	22	49	65,8	62	60	50	SA 206	0,80	675352		
35*	SHCFS 207 C-R	614253	83	113	10,5	15,9	22	51,4	65,8	72	70	55	SA 207	0,90	675352		
40*	SHCFS 208 C-R	614273	83	113	10,5	15,9	19	55	65,8	80	78	65	SA 208	1,00	675352		
Eccentric collar shaft locking • Open unit																	
30	HCFS 206 C-R	614243	83	113	10,5	15,9	22	49	65,8	62	60	50	SA 206	0,80	675472		
35*	SHCFS 207 C-R	614263	83	113	10,5	15,9	22	51,4	65,8	72	70	55	SA 207	0,90	675482		
40*	SHCFS 208 C-R	614283	83	113	10,5	15,9	19	55	65,8	80	78	65	SA 208	1,00	675402		
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																	
30	UCFS 206 C-R	614323	83	113	10,5	15,9	22	44,2	65,8	62	60	50	UC 206 2RF	0,73	675352		
35*	SUCFS 207 C-R	614343	83	113	10,5	15,9	22	47,4	65,8	72	70	55	UC 207 2RF	0,84	675352		
40*	SUCFS 208 C-R	614363	83	113	10,5	15,9	19	49,2	65,8	80	78	65	UC 208 2RF	0,94	675352		
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																	
30	UCFS 206 C-R	614333	83	113	10,5	15,9	22	44,2	65,8	62	60	50	UC 206 2RF	0,73	675472		
35*	SUCFS 207 C-R	614353	83	113	10,5	15,9	22	47,4	65,8	72	70	55	UC 207 2RF	0,84	675482		
40*	SUCFS 208 C-R	614373	83	113	10,5	15,9	19	49,2	65,8	80	78	65	UC 208 2RF	0,94	675402		

*= Version with special fixing holes

¹⁾ = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

Oval flange bearing UCFL/C - HCFL/C



- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing
 - High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- Bearings with Food Grade grease



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Chrome alloy Steel
Grub screws
shaft locking



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Zinc Plated Steel
Eccentric collar
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Stainless Steel
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PAFV polyamide housing

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Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



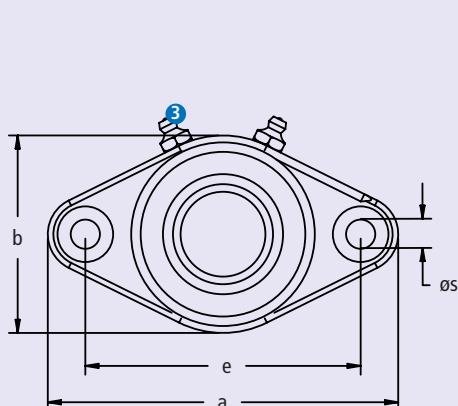
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

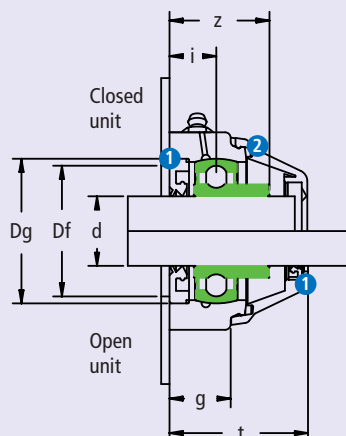
Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load	
	Load coefficient			Load coefficient				
	dyn. C N	stat. Co N	Max. axial load N	dyn. C N	stat. Co N	Max. axial load N		
17	7300	3650	1450	-	-	-	8500	8500
20	10000	6200	2000	8300	6200	1660	8500	8500
20*	10000	6200	2000	8300	6200	1660	8500	8500
25	10800	7000	2160	9150	7000	1830	9500	10000
25*	10800	7000	2160	9150	7000	1830	9500	10000
30	15100	10000	3020	12500	10000	2500	13000	12500
30*	15100	10000	3020	12500	10000	2500	13000	12500
30**	15100	10000	3020	12500	10000	2500	13000	12500
35	19900	13700	3980	16600	13700	3320	13000	11500
35*	19900	13700	3980	16600	13700	3320	13000	12500
40	22600	15700	4520	20000	15700	4000	13000	13000
40*	22600	15700	4520	20000	19000	4000	13000	12500

*= Version with special fixing holes

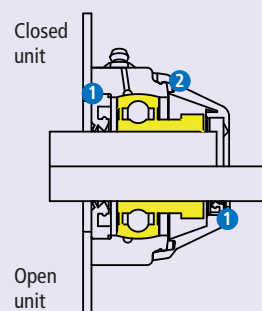
- 1 Seal.
- 2 O-Ring.
- 3 Only for series 206



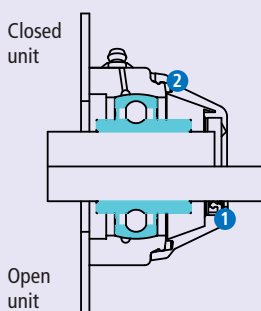
- Series UCFL/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking



- Series HCFL/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking



- Series UCFL/C
Bearing UC in Stainless Steel
Grub screws shaft locking



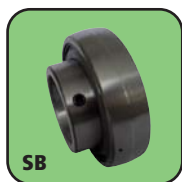
UCFL/C - HCFL/C

		Housing material												Bore in frame ¹⁾				Base unit		Spare parts	
dia. d mm	Series	Polyamide PA FV	e	a	Dimensions in mm						Dg	Df		Bearing	Weight Kg	without seal and cover	Cover Blue				
		Standard			Flange (black)	Cover (Blue)	b	s	g	i		z	t					max.	min.	Code	
Grub screws shaft locking • Closed unit																					
17	UCFL 203 C	623923	76,5	100	70	11	11	17,5	33,5	49	40	38	33	SB 203	0,22	623983	625563				
20	UCFL 204 C	674742	90	116	62	11	20	15,2	33,5	46	47	45	40	SB 204	0,25	676152	675492				
20*	SUCFL 204 C	623933	76,5	100	70	11	11	15,2	33,5	49	47	45	40	SB 204	0,25	623993	625563				
25	UCFL 205 C	674752	99	130	71	11	22,5	16,8	36,3	49,5	52	50	45	SB 205	0,33	676162	675322				
25*	SUCFL 205 C	625623	90	122	85	11	15	16,8	36,3	54	52	50	45	SB 205	0,33	623693	625573				
30	UCFL 206 C	674762	117	148	85	11	26	20	41	55	62	60	50	SB 206	0,42	676172	675332				
30*	SUCFL 206 C	623233	99	148	85	11	26	20	41	55	62	60	50	SB 206	0,42	621793	675332				
30**	SUCFL 206 C	623943	90	122	85	11	15	15	36	54	62	60	50	SB 206	0,40	624003	625573				
35	UCFL 207 C	674772	130	162	93	11	26	19,5	45	59	72	70	55	SB 207	0,65	676182	675342				
35*	SUCFL 207 C	600253	117	148	112	11	26	19,5	43	62	72	70	55	SB 207	0,70	608173	675352				
40	UCFL 208 C	674782	144	176	102	11	30	22	47,3	65,5	80	78	65	SB 208	0,90	676192	675352				
40*	SUCFL 208 C	622693	117	148	112	11	26	19	45	62	80	78	65	SB 208	0,74	621883	675352				
Grub screws shaft locking • Open unit																					
17	UCFL 203 C	623953	76,5	100	70	11	11	17,5	33,5	49	40	38	33	SB 203	0,22	623983	625583				
20	UCFL 204 C	674792	90	116	62	11	20	15,2	33,5	46	47	45	40	SB 204	0,25	676152	675502				
20*	SUCFL 204 C	623963	76,5	100	70	11	11	15,2	33,5	49	47	45	40	SB 204	0,25	623993	625593				
25	UCFL 205 C	674802	99	130	71	11	22,5	16,8	36,3	49,5	52	50	45	SB 205	0,33	676162	675372				
25*	SUCFL 205 C	625643	90	122	85	11	15	16,8	36,3	54	52	50	45	SB 205	0,33	623693	625603				
30	UCFL 206 C	674812	117	148	85	11	26	20	41	55	62	60	50	SB 206	0,42	676172	675382				
30*	SUCFL 206 C	623243	99	148	85	11	26	20	41	55	62	60	50	SB 206	0,42	621793	675382				
30**	SUCFL 206 C	623973	90	122	85	11	15	15	36	54	62	60	50	SB 206	0,40	624003	625613				
35	UCFL 207 C	674822	130	162	93	11	26	19,5	45	59	72	70	55	SB 207	0,65	676182	675392				
35*	SUCFL 207 C	600263	117	148	112	11	26	19,5	43	62	72	70	55	SB 207	0,70	608173	675482				
40	UCFL 208 C	674832	144	176	102	11	30	22	47,3	65,5	80	78	65	SB 208	0,90	676192	675402				
40*	SUCFL 208 C	622703	117	148	112	11	26	19	45	62	80	78	65	SB 208	0,74	621883	675402				
Eccentric collar shaft locking • Closed unit																					
20	HCFL 204 C	623253	90	116	62	11	20	15,2	38,7	49	47	45	40	SA 204	0,30	623713	675492				
20*	SHCFL 204 C	623263	76,5	100	70	11	11	15,2	38,7	49	47	45	40	SA 204	0,30	623723	625563				
25	HCFL 205 C	623273	99	130	71	11	22,5	16,8	40,3	49,5	52	50	45	SA 205	0,37	623733	675322				
25*	SHCFL 205 C	623283	90	122	85	11	15,5	16,8	40,3	54	52	50	45	SA 205	0,37	623743	625573				
30	HCFL 206 C	623293	117	148	85	11	26	20	46,7	55	62	60	50	SA 206	0,49	623753	675332				
30*	SHCFL 206 C	623313	99	148	85	11	26	20	46,7	55	62	60	50	SA 206	0,49	623773	675332				
30**	SHCFL 206 C	623303	90	122	85	11	15	15	41,5	54	62	60	50	SA 206	0,47	623763	625573				
35	HCFL 207 C	623323	130	162	93	11	26	19,5	48,9	59	72	70	55	SA 207	0,83	623783	675342				
35*	SHCFL 207 C	623333	117	148	112	11	26	19,5	48,4	62	72	70	55	SA 207	0,88	623793	675352				
40	HCFL 208 C	623343	144	176	102	11	30	22	54,7	71	80	78	65	SA 208	1,09	623803	675362				
40*	SHCFL 208 C	623353	117	148	112	11	26	19	51,7	68	80	78	65	SA 208	0,93	623813	675362				
Eccentric collar shaft locking • Open unit																					
20	HCFL 204 C	623363	90	116	62	11	20	15,2	38,7	49	47	45	40	SA 204	0,30	623713	675502				
20*	SHCFL 204 C	623373	76,5	100	70	11	11	15,2	38,7	49	47	45	40	SA 204	0,30	623723	625593				
25	HCFL 205 C	623383	99	130	71	11	22,5	16,8	40,3	49,5	52	50	45	SA 205	0,37	623733	675372				
25*	SHCFL 205 C	623393	90	122	85	11	15,5	16,8	40,3	54	52	50	45	SA 205	0,37	623743	625603				
30	HCFL 206 C	623403	117	148	85	11	26	20	46,7	55	62	60	50	SA 206	0,49	623753	675382				
30*	SHCFL 206 C	623423	99	148	85	11	26	20	46,7	55	62	60	50	SA 206	0,49	623773	675382				
30**	SHCFL 206 C	623413	90	122	85	11	15	15	41,5	54	62	60	50	SA 206	0,47	623763	625613				
35	HCFL 207 C	623433	130	162	93	11	26	19,5	48,9	59	72	70	55	SA 207	0,83	623783	675392				
35*	SHCFL 207 C	623443	117	148	112	11	26	19,5	48,4	62	72	70	55	SA 207	0,88	623793	675482				
40	HCFL 208 C	623453	144	176	102	11	30	22	54,7	71	80	78	65	SA 208	1,09	623803	675412				
40*	SHCFL 208 C	623463	117	148	112	11	26	19	51,7	68	80	78	65	SA 208	0,93	623813	675412				
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																					
20	UCFL 204 C	623473	90	116	62	11	20	15,2	33,5	49	47	45	40	UC 204 2RF	0,25	623823	675492				
20*	SUCFL 204 C	623483	76,5	100	70	11	11	15,2	33,5	49	47	45	40	UC 204 2RF	0,25	623833	625563				
25	UCFL 205 C	623493	99	130	71	11	22,5	16,8	36,5	49,5	52	50	45	UC 205 2RF	0,33	623843	675322				
25*	SUCFL 205 C	623503	90	122	85	11	15	16,8	36,5	54	52	50	45	UC 205 2RF	0,33	623853	625573				
30	UCFL 206 C	623513	117	148	85	11	26	20	41,2	55	62	60	50	UC 206 2RF	0,42	623863	675332				
30*	SUCFL 206 C	623533	99	148	85	11	26	20	41,2	55	62	60	50	UC 206 2RF	0,42	623883	675332				
30**	SUCFL 206 C	623523	90	122	85	11	16	15	36	54	62	60	50	UC 206 2RF	0,40	623873	625573				
35	UCFL 207 C	623543	130	162	93	11	26	19,5	45	59	72	70	55	UC 207 2RF	0,65	623893	675342				
35*	SUCFL 207 C	623553	117	148	112	11	26	19,5	43	62	72	70	55	UC 207 2RF	0,70	623903	675352				
40	UCFL 208 C	623563	144	176	102	11	30	23	52	54,7	80	78	65	UC 208 2RF	0,90	617033	675352				
40*	SUCFL 208 C	623573	117	148	112	11	26	19	45	68	80	78	65	UC 208 2RF	0,74	623913	675352				
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																					
20	UCFL 204 C	623583	90	116	62	11	20	15,2	33,5	49	47	45	40	UC 204 2RF	0,25	623823	675502				
20*	SUCFL 204 C	623593	76,5	100	70	11	11	15,2	33,5	49	47	45	40	UC 204 2RF	0,25	623833	625593				
25	UCFL 205 C	623603	99	130	71	11	22,5	16,8	36,5	49,5	52	50	45	UC 205 2RF	0,33	623843	675372				
25*	SUCFL 205 C	623613	90	122	85	11	15	16,8	36,5	54	52	50	45	UC 205 2RF	0,33	623853	625603				
30	UCFL 206 C	623623	117	148	85	11	26	20	41,2	55	62	60	50	UC 206 2RF	0,42	623863	675382				
30*	SUCFL 206 C	623643	99	148	85	11	26	20	41,2	55	62	60	50	UC 206 2RF	0,42	623883	675382				
30**	SUCFL 206 C	623633	90	122	85	11	16	15	36	54	62	60	50	UC 206 2RF	0,40	623873	625613				
35	UCFL 207 C	623653	130	162	93	11	26	19,5	45	59	72	70	55	UC 207 2RF	0,65	6238					

Oval flange bearing UCFLS/C - HCFLS/C



- Austenitic stainless steel surface
- Waterproof housing
- Grub screws or eccentric collar shaft locking
- Solid flange
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

Housing in reinforced polyamide PAFV resin (black) • Austenitic stainless steel surface • Seal in NBR rubber (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple.

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load	
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N		
	dyn. C N	stat. Co N		dyn. C N	stat. Co N			
30	15100	10000	3020	12500	10000	2500	13000	12500
35*	19900	13700	3980	16600	13700	3320	13000	11500
40*	22600	15700	4520	20000	19000	4000	13000	13000

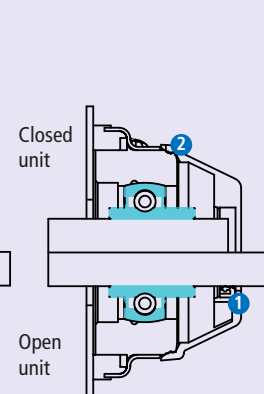
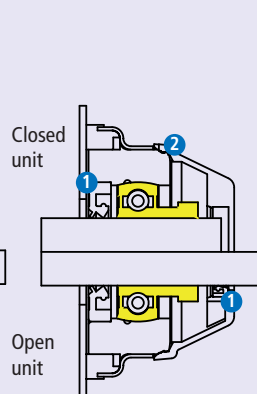
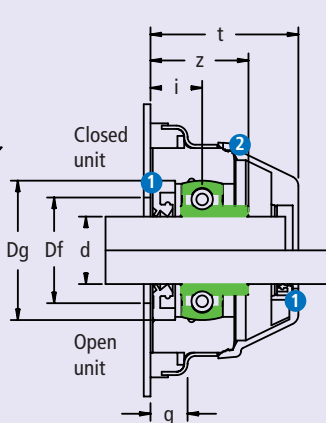
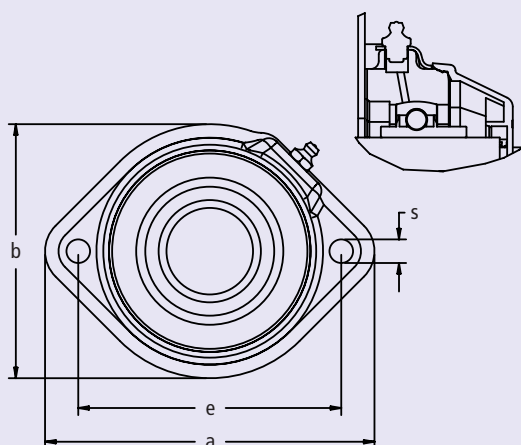
*= Version with special fixing holes

- 1 Seal.
- 2 O-Ring.

• Series UCFLS/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking

• Series HCFLS/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking

• Series UCFLS/C
Bearing UC in Stainless Steel
Grub screws shaft locking



UCFLS/C - HCFLS/C

Ø d mm	Series	Housing material		Dimensions in mm										Bore in frame ¹⁾ Df		Bearing	Weight Kg	Spare parts Cover Blue
		Polyamide PA FV with austenitic stainless steel surface		e	a	b	s	g	i	z	t	Dg	max.	min.	Code			
		Solid Flange Cover (Blue)																
		Code																
Grub screws shaft locking • Closed unit																		
30	UCFLS 206 C	674892	117	145	112	10,5	15,5	22	43	65,8	62	60	50	SB 206	0,65	675352		
35*	SUCFLS 207 C	674902	117	145	112	10,5	15,5	22	45,3	65,8	72	70	55	SB 207	0,76	675352		
40*	SUCFLS 208 C	674912	117	145	112	10,5	15,5	22	47,3	65,8	80	78	65	SB 208	0,86	675352		
Grub screws shaft locking • Open unit																		
30	UCFLS 206 C	674922	117	145	112	10,5	15,5	22	43	65,8	62	60	50	SB 206	0,65	675472		
35*	SUCFLS 207 C	674932	117	145	112	10,5	15,5	22	45,3	65,8	72	70	55	SB 207	0,76	675482		
40*	SUCFLS 208 C	674942	117	145	112	10,5	15,5	22	47,3	65,8	80	78	65	SB 208	0,86	675402		
Eccentric collar shaft locking • Closed unit																		
30	HCFLS 206 C	624033	117	145	112	10,5	15,5	22	49	65,8	62	60	50	SA 206	0,72	675352		
35*	SHCFLS 207 C	624043	117	145	112	10,5	15,5	22	51	65,8	72	70	55	SA 207	0,82	675352		
40*	SHCFLS 208 C	624053	117	145	112	10,5	15,5	22	55	65,8	80	78	65	SA 208	0,92	675352		
Eccentric collar shaft locking • Open unit																		
30	HCFLS 206 C	624063	117	145	112	10,5	15,5	22	49	65,8	62	60	50	SA 206	0,72	675472		
35*	SHCFLS 207 C	624073	117	145	112	10,5	15,5	22	51	65,8	72	70	55	SA 207	0,82	675482		
40*	SHCFLS 208 C	624083	117	145	112	10,5	15,5	22	55	65,8	80	78	65	SA 208	0,92	675402		
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																		
30	UCFLS 206 C	624093	117	145	112	10,5	15,5	22	44,2	65,8	62	60	50	UC 206 2RF	0,65	675352		
35*	SUCFLS 207 C	624103	117	145	112	10,5	15,5	22	47,4	65,8	72	70	55	UC 207 2RF	0,76	675352		
40*	SUCFLS 208 C	624113	117	145	112	10,5	15,5	22	52,2	65,8	80	78	65	UC 208 2RF	0,86	675352		
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																		
30	UCFLS 206 C	624123	117	145	112	10,5	15,5	22	44,2	65,8	62	60	50	UC 206 2RF	0,65	675472		
35*	SUCFLS 207 C	624133	117	145	112	10,5	15,5	22	47,4	65,8	72	70	55	UC 207 2RF	0,76	675482		
40*	SUCFLS 208 C	624143	117	145	112	10,5	15,5	22	52,2	65,8	80	78	65	UC 208 2RF	0,86	675402		

*= Version with special fixing holes

¹⁾ = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

Pillow block type bearing

UCP/C - HCP/C



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304 • Stainless steel AISI 303 safety ring • Bottom seal in PVC (black).

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing

High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.

- Bearings with Food Grade grease

Loads

Shaft dia. d mm	Bearing unit max. static load		
	PA FV N	PA FV N	PA FV N
20	4000	18000	5000
25	6000	18000	6000
30	7000	25000	8000
35	8000	27000	10000
40	8000	27000	10000

Bearing load

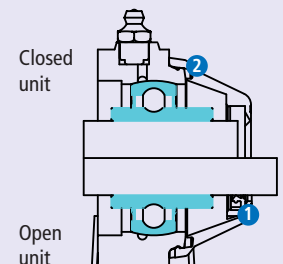
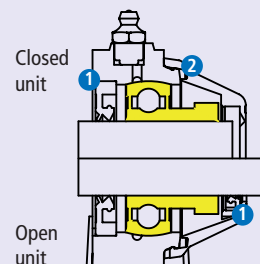
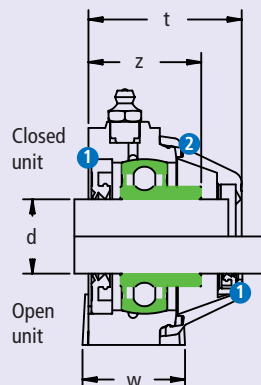
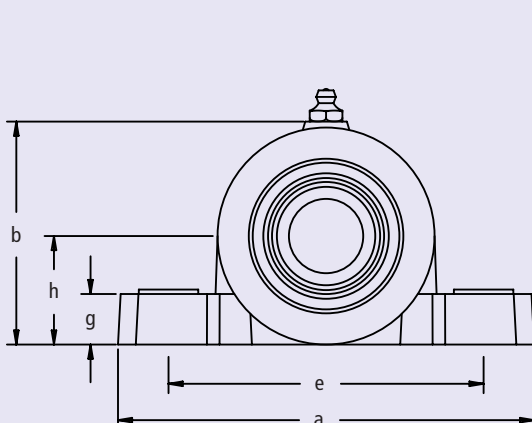
Shaft dia. d mm	SB - SA			UC 2RF		
	Load coefficient dyn. C N	Load coefficient stat. Co N	Max. axial load N	Load coefficient dyn. C N	Load coefficient stat. Co N	Max. axial load N
20	10000	6200	2000	8300	6200	1660
25	10800	7000	2160	9150	7000	1830
30	15100	10000	3020	12500	10000	2500
35	19900	13700	3980	16600	13700	3320
40	22600	15700	4520	20000	15700	4000

- 1 Seal.
- 2 O-Ring.

- Series UCP/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking

- Series HCP/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking

- Series UCP/C
Bearing UC in Stainless Steel
Grub screws shaft locking



dia. d mm	Series	Housing material		Dimensions in mm												Weight Kg	Base unit without seal and cover		Spare parts Cover Blue														
		Polyamide PA FV																															
		Standard Flange (black) Cover (Blue)																															
		Code	e	a	h	b	s ¹	s ²	g	w	i	z	t	Bearing			Code																
Grub screws shaft locking • Closed unit																																	
20	UCP 204 C	674982	96	128	33,3	67	12	10	17	30	18,9	37,2	49,7	SB 204	0,27	676202	675492																
25	UCP 205 C	674992	106	140	36,5	75	12	10	17	34,5	18,8	38,3	51,5	SB 205	0,33	676212	675322																
30	UCP 206 C	675002	121	163	42,9	88	14	10	20	36	19,7	40,7	55	SB 206	0,49	676222	675332																
35	UCP 207 C	675012	126	167	47,6	98	14	10	20	38,6	21,3	44,6	61	SB 207	0,64	676232	675342																
40	UCP 208 C	675022	136	185	50	102	14	10	20	38,6	25	50,3	66,5	SB 208	0,84	676242	675352																
Grub screws shaft locking • Open unit																																	
20	UCP 204 C	675032	96	128	33,3	67	12	10	17	30	18,9	37,2	49,7	SB 204	0,27	676202	675502																
25	UCP 205 C	675042	106	140	36,5	75	12	10	17	34,5	18,8	38,3	51,5	SB 205	0,33	676212	675372																
30	UCP 206 C	675052	121	163	42,9	88	14	10	20	36	19,7	40,7	55	SB 206	0,49	676222	675382																
35	UCP 207 C	675062	126	167	47,6	98	14	10	20	38,6	21,3	44,6	61	SB 207	0,64	676232	675392																
40	UCP 208 C	675072	136	185	50	102	14	10	20	38,6	25	50,3	66,5	SB 208	0,84	676242	675402																
Eccentric collar shaft locking • Closed unit																																	
20	HCP 204 C	624153	96	128	33,3	67	12	10	17	30	18,9	42,4	52	SA 204	0,32	624343	675492																
25	HCP 205 C	624163	106	140	36,5	75	12	10	17	34,5	18,8	42,3	51,5	SA 205	0,37	624353	675322																
30	HCP 206 C	624173	121	163	42,9	88	14	10	20	36	19,7	46,4	55	SA 206	0,56	624363	675332																
35	HCP 207 C	624183	126	167	47,6	98	14	10	20	38,6	21,3	50,7	61	SA 207	0,82	624373	675342																
40	HCP 208 C	624193	136	185	50	102	14	10	20	38,6	25	57,7	72	SA 208	1,03	624383	675362																
Eccentric collar shaft locking • Open unit																																	
20	HCP 204 C	624203	96	128	33,3	67	12	10	17	30	18,9	42,4	52	SA 204	0,32	624343	675502																
25	HCP 205 C	624213	106	140	36,5	75	12	10	17	34,5	18,8	42,3	51,5	SA 205	0,37	624353	675372																
30	HCP 206 C	624223	121	163	42,9	88	14	10	20	36	19,7	46,4	55	SA 206	0,56	624363	675382																
35	HCP 207 C	624233	126	167	47,6	98	14	10	20	38,6	21,3	50,7	61	SA 207	0,82	624373	675392																
40	HCP 208 C	624243	136	185	50	102	14	10	20	38,6	25	57,7	72	SA 208	1,03	624383	675412																
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																																	
20	UCP 204 C	624253	96	128	33,3	67	12	10	17	30	18,9	37,2	52	UC 204 2RF	0,27	624393	675492																
25	UCP 205 C	624263	106	140	36,5	75	12	10	17	34,5	18,8	38,6	51,5	UC 205 2RF	0,33	624403	675322																
30	UCP 206 C	624273	121	163	42,9	88	14	10	20	36	19,7	41,9	55	UC 206 2RF	0,49	624413	675332																
35	UCP 207 C	620173	126	167	47,6	98	14	10	20	38,6	21,3	46,7	61	UC 207 2RF	0,64	624423	675342																
40	UCP 208 C	624283	136	185	50	102	14	10	20	38,6	25	55,2	72	UC 208 2RF	0,84	624433	675352																
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																																	
20	UCP 204 C	624293	96	128	33,3	67	12	10	17	30	18,9	37,2	52	UC 204 2RF	0,27	624393	675502																
25	UCP 205 C	624303	106	140	36,5	75	12	10	17	34,5	18,8	38,6	51,5	UC 205 2RF	0,33	624403	675372																
30	UCP 206 C	624313	121	163	42,9	88	14	10	20	36	19,7	41,9	55	UC 206 2RF	0,49	624413	675382																
35	UCP 207 C	624323	126	167	47,6	98	14	10	20	38,6	21,3	46,7	61	UC 207 2RF	0,64	624423	675392																
40	UCP 208 C	624333	136	185	50	102	14	10	20	38,6	25	55,2	72	UC 208 2RF	0,84	624433	675402																

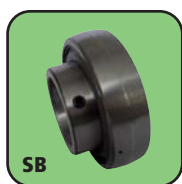
Packaging : 6 pieces.

Note : to obtain the right product code please add B0000 to the digit indicated in the table.

Compact pillow block UCPA/C - HCPA/C



- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

shaft dia. d mm	PA FV N	PA FV N	PA FV N	PA FV N
17	2500	8000	1500	1250
20	2500	6750	2300	1100
25	3000	10500	2600	1100

Bearing load

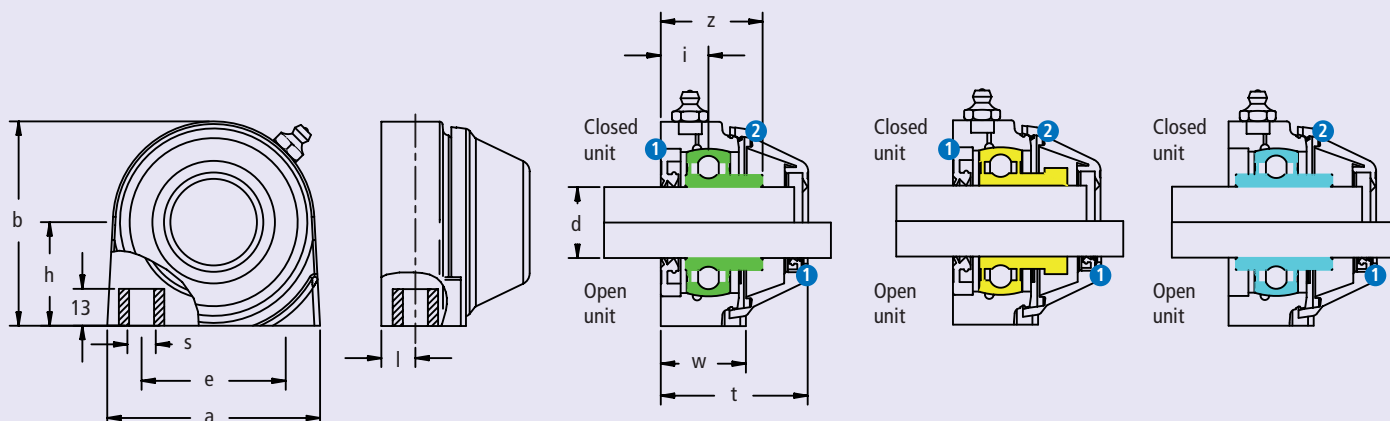
Shaft dia. d mm	SB - SA			UC 2RF		
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N
	dyn. C N	stat. Co N		dyn. C N	stat. Co N	
17	7300	3650	1450	-	-	-
20	10000	2000	2000	8300	6200	1660
25	10800	2160	2160	9150	7000	1830

- 1 Seal.
- 2 O-Ring.

- Series UCPA/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking

- Series HCPA/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking

- Series UCPA/C
Bearing UC in Stainless Steel
Grub screws shaft locking



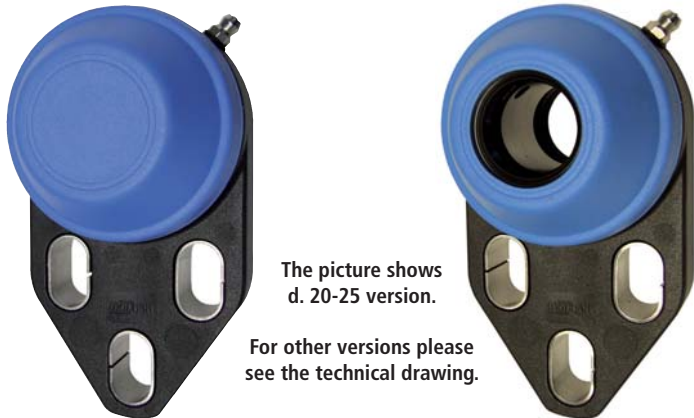
UCPA/C - HCPA/C

dia. d mm	Series	Housing material		Dimensions in mm										Weight Kg	Base unit without seal and cover	Spare parts Cover Blue	
		Polyamide PA FV Standard Flange (black) Cover (Blue)		e	a	h	b	s	w	i	l	z	t				Bearing
		Code															
Grub screws shaft locking • Closed unit																	
17	UCPA 203 C	625673		47	70	30,2	62	M8	28	15,2	10	31,1	49	SB 203	0,22	625693	675492
20	UCPA 204 C	624443		50,8	70	33,2	65	M8	28	15,2	10	33,5	49	SB 204	0,25	624563	675492
25	UCPA 205 C	624453		50,8	75	36,5	72	M10	30	16,8	12	36,3	52	SB 205	0,29	624573	675322
Grub screws shaft locking • Open unit																	
17	UCPA 203 C	625683		47	70	30,2	62	M8	28	15,2	10	31,1	49	SB 203	0,22	625693	625703
20	UCPA 204 C	624463		50,8	70	33,2	65	M8	28	15,2	10	33,5	49	SB 204	0,25	624563	675502
25	UCPA 205 C	624473		50,8	75	36,5	72	M10	30	16,8	12	36,3	52	SB 205	0,29	624573	675372
Eccentric collar shaft locking • Closed unit																	
20	HCPA 204 C	624483		50,8	70	33,2	65	M8	28	15,2	10	38,7	49	SA 204	0,27	624583	675492
25	HCPA 205 C	624493		50,8	75	36,5	72	M10	30	16,8	12	40,3	52	SA 205	0,34	624593	675322
Eccentric collar shaft locking • Open unit																	
20	HCPA 204 C	624503		50,8	70	33,2	65	M8	28	15,2	10	38,7	49	SA 204	0,27	624583	675502
25	HCPA 205 C	624513		50,8	75	36,5	72	M10	30	16,8	12	40,3	52	SA 205	0,34	624593	675372
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																	
20	UCPA 204 C	624523		50,8	70	33,2	65	M8	28	15,2	10	33,5	49	UC 204 2RF	0,25	624603	675492
25	UCPA 205 C	624533		50,8	75	36,5	72	M10	30	16,8	12	36,5	52	UC 205 2RF	0,29	624613	675322
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																	
20	UCPA 204 C	624543		50,8	70	33,2	65	M8	28	15,2	10	33,5	49	UC 204 2RF	0,25	624603	675502
25	UCPA 205 C	624553		50,8	75	36,5	72	M10	30	16,8	12	36,5	52	UC 205 2RF	0,29	624613	675372

Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

Side flange bearing UCFB/C - HCFB/C



- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

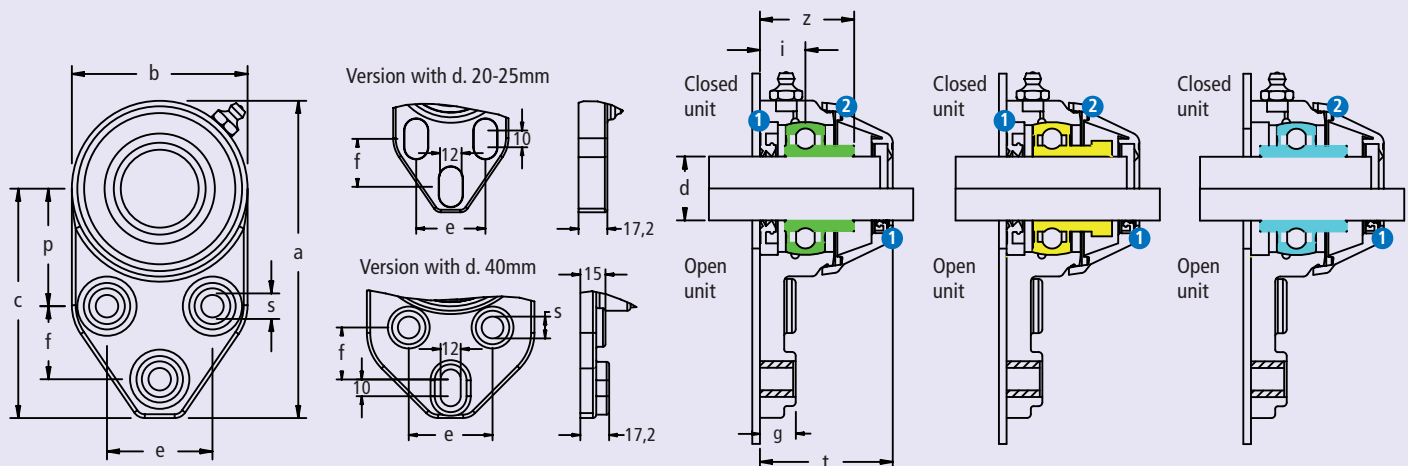
Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load	
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N	PA FV N	PA FV N
	dyn. C N	stat. Co N		dyn. C N	stat. Co N			
20	10000	6200	2000	8300	6200	1660	3000	1000
25	10800	7000	2160	9150	7000	1830	3500	1000
30	15100	10000	3020	12500	10000	2500	3500	1000
35	19900	13700	3980	16600	13700	3320	4000	1000
40	22600	15700	4520	20000	15700	4000	5200	1000

- 1 Seal.
- 2 O-Ring.

- Series UCFB/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking

- Series HCFB/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking

- Series UCFB/C
Bearing UC in Stainless Steel
Grub screws shaft locking



UCFB/C - HCFB/C

dia. d mm	Series	Housing material		Dimensions in mm													Bore in frame ¹⁾		Weight Kg	Base unit without seal and cover	Spare parts Cover Blue
		Polyamide PA FV Standard Flange (black) Cover (Blue)															Df				
		Code	a	b	c	p	e	f	s	g	i	z	t	Dg	max.	min.	Bearing				
		Code																		Code	
Grub screws shaft locking • Closed unit																					
20	UCFB 204 C	624623	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	34,7	49	47	45	40	SB 204	0,26	624863	675492	
25	UCFB 205 C	675132	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	37,3	52	52	50	45	SB 205	0,32	676252	675322	
30	UCFB 206 C	675142	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	42,5	55	62	60	50	SB 206	0,47	676262	675332	
35	UCFB 207 C	675152	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	45,7	59	72	70	55	SB 207	0,64	676272	675342	
40	UCFB 208 C	624633	164	100	114	60	50	31	13	-	22	47,5	66,5	80	78	65	SB 208	0,84	624873	675362	
Grub screws shaft locking • Open unit																					
20	UCFB 204 C	624643	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	34,7	49	47	45	40	SB 204	0,26	624863	675502	
25	UCFB 205 C	675162	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	37,3	52	52	50	45	SB 205	0,32	676252	675372	
30	UCFB 206 C	675172	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	42,5	55	62	60	50	SB 206	0,47	676262	675382	
35	UCFB 207 C	675182	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	45,7	59	72	70	55	SB 207	0,64	676272	675392	
40	UCFB 208 C	624653	164	100	114	60	50	31	13	-	22	47,5	66,5	80	78	65	SB 208	0,84	624873	675412	
Eccentric collar shaft locking • Closed unit																					
20	HCFB 204 C	624663	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	40	49	47	45	40	SA 204	0,29	624883	675492	
25	HCFB 205 C	624673	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	41,3	57	52	50	45	SA 205	0,35	624893	675322	
30	HCFB 206 C	624683	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	46,7	60	62	60	50	SA 206	0,50	624903	675332	
35	HCFB 207 C	624693	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	49	64,5	72	70	55	SA 207	0,67	624913	675342	
40	HCFB 208 C	624703	164	100	114	60	50	31	13	-	22	55	72	80	78	65	SA 208	0,92	624923	675362	
Eccentric collar shaft locking • Open unit																					
20	HCFB 204 C	624713	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	40	49	47	45	40	SA 204	0,29	624883	675502	
25	HCFB 205 C	624723	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	41,3	57	52	50	45	SA 205	0,35	624893	675372	
30	HCFB 206 C	624733	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	46,7	60	62	60	50	SA 206	0,50	624903	675382	
35	HCFB 207 C	624743	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	49	64,5	72	70	55	SA 207	0,67	624913	675392	
40	HCFB 208 C	624753	164	100	114	60	50	31	13	-	22	55	72	80	78	65	SA 208	0,92	624923	675412	
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																					
20	UCFB 204 C	624763	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	34,7	49	47	45	40	UC 204 2RF	0,26	624933	675492	
25	UCFB 205 C	624773	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	37,5	52	52	50	45	UC 205 2RF	0,32	624943	675322	
30	UCFB 206 C	624783	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	42,2	55	62	60	50	UC 206 2RF	0,47	624953	675332	
35	UCFB 207 C	624793	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	45	59	72	70	55	UC 207 2RF	0,64	624963	675342	
40	UCFB 208 C	624803	164	100	114	60	50	31	13	-	22	52,2	66,5	80	78	65	UC 208 2RF	0,84	624973	675362	
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																					
20	UCFB 204 C	624813	124,2	68,8	89,8	46	41,3	28,6	11	-	16,4	34,7	49	47	45	40	UC 204 2RF	0,26	624933	675502	
25	UCFB 205 C	624823	124,2	68,8	89,8	46	41,3	28,6	11	-	17,8	37,5	52	52	50	45	UC 205 2RF	0,32	624943	675372	
30	UCFB 206 C	624833	138,6	81,3	97,9	52,4	47,6	31,7	11	14	20	42,2	55	62	60	50	UC 206 2RF	0,47	624953	675382	
35	UCFB 207 C	624843	154,5	93,7	107,6	60,3	50,8	31,7	13	15	19,5	45	59	72	70	55	UC 207 2RF	0,64	624963	675392	
40	UCFB 208 C	624853	164	100	114	60	50	31	13	-	22	52,2	66,5	80	78	65	UC 208 2RF	0,84	624973	675412	

¹⁾ = Dimensions Df max / Df min must be respected to ensure positive retention of the seals and to allow air bleeding during lubrication.

Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

Take-up bearing UCT/C - HCT/C



- Waterproof housing
- Grub screws or eccentric collar shaft locking
- PAFV polyamide housing
High mechanical and heat resistance. Proof to dust, humidity, washouts, steam, average aggressive chemical agents.
- Bearings with Food Grade grease



SB
Chrome alloy Steel
Grub screws
shaft locking



SA
Zinc Plated Steel
Eccentric collar
shaft locking



UC
Stainless Steel
Grub screws
shaft locking

Material

PAFV polyamide housing

Housing in reinforced polyamide PAFV resin (black) • Protection cover in polypropylene PP (blue) • Seal and O-Ring in NBR rubber (black) • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

Continuous operating temperature

in air : - 20 to + 60°C.

Maximum allowed misalignment: 2°.

Bearing



- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

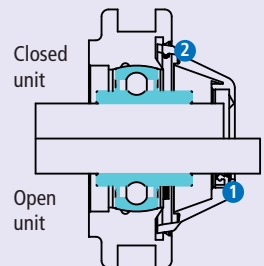
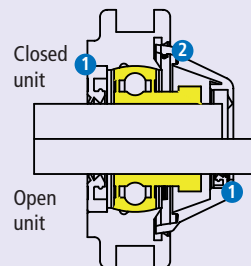
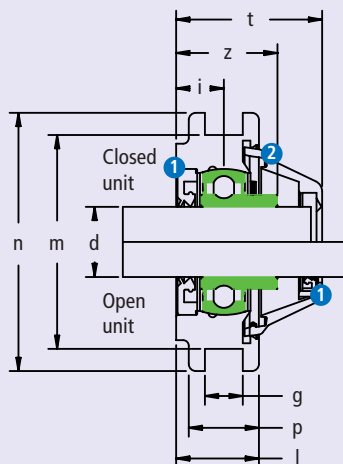
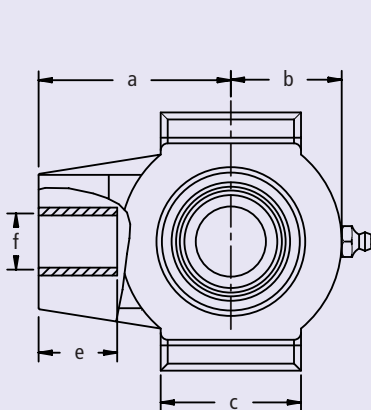
Shaft dia. d mm	Bearing load SB - SA			Bearing load UC 2RF			Bearing unit max. static load
	Load coefficient		Max. axial load N	Load coefficient		Max. axial load N	 PA FV N
	dyn. C N	stat. Co N		dyn. C N	stat. Co N		
20	10000	6200	2000	8300	6200	1660	13600
25	10800	7000	2160	9150	7000	1830	20400
30	15100	10000	3020	12500	10000	2500	22950

- 1 Seal.
- 2 O-Ring.

- Series UCT/C
Bearing SB in Chrome alloy Steel
Grub screws shaft locking

- Series HCT/C
Bearing SA in Zinc Plated Steel
Eccentric collar shaft locking

- Series UCT/C
Bearing UC in Stainless Steel
Grub screws shaft locking



Ø d mm	Series	Housing material		Dimensions in mm													Weight Kg	Base unit without seal and cover	Spare parts Cover Blue
		Polyamide PA FV with austenitic stainless steel surface Solid Flange Cover (Blue)	Code	a	b	c	e	f	g	i	m	n	p	z	t	Bearing			
Grub screws shaft locking • Closed unit																			
20	UCT 204 C	675222	63,5	34	50	28	M16	13,5	17	76,2	92	25	35,5	50	SB 204	0,33	676282	675522	
25	UCT 205 C	675232	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	37,5	52	SB 205	0,39	676292	675532	
30	UCT 206 C	675242	77	48	57	28	M24	13,5	18,5	89	104	28	39,5	55	SB 206	0,50	676302	675542	
Grub screws shaft locking • Open unit																			
20	UCT 204 C	675252	63,5	34	50	28	M16	13,5	17	76,2	92	25	35,5	50	SB 204	0,33	676282	675552	
25	UCT 205 C	675262	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	37,5	52	SB 205	0,39	676292	675562	
30	UCT 206 C	675272	77	48	57	28	M24	13,5	18,5	89	104	28	39,5	55	SB 206	0,50	676302	675572	
Eccentric collar shaft locking • Closed unit																			
20	HCT 204 C	624983	63,5	34	50	28	M16	13,5	17	76,2	92	25	42	57	SA 204	0,36	625103	694902	
25	HCT 205 C	624993	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	43	58	SA 205	0,42	625113	694912	
30	HCT 206 C	625003	77	48	57	28	M24	13,5	18,5	89	104	28	47	62	SA 206	0,53	625123	694922	
Eccentric collar shaft locking • Open unit																			
20	HCT 204 C	625013	63,5	34	50	28	M16	13,5	17	76,2	92	25	42	57	SA 204	0,36	625103	694932	
25	HCT 205 C	625023	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	43	58	SA 205	0,42	625113	694942	
30	HCT 206 C	625033	77	48	57	28	M24	13,5	18,5	89	104	28	47	62	SA 206	0,53	625123	694952	
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Closed unit																			
20	UCT 204 C	625043	63,5	34	50	28	M16	13,5	17	76,2	92	25	35,5	50	UC 204 2RF	0,33	625133	675522	
25	UCT 205 C	625053	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	36,7	52	UC 205 2RF	0,39	625143	675532	
30	UCT 206 C	625063	77	48	57	28	M24	13,5	18,5	89	104	28	40,7	55	UC 206 2RF	0,50	625153	675542	
Grub screws shaft locking • Version with stainless steel bearing UC 2RF • Open unit																			
20	UCT 204 C	625073	63,5	34	50	28	M16	13,5	17	76,2	92	25	35,5	50	UC 204 2RF	0,33	625133	675552	
25	UCT 205 C	625083	68,5	39,5	50	28	M20	13,5	17	76,2	92	25	36,7	52	UC 205 2RF	0,39	625143	675562	
30	UCT 206 C	625093	77	48	57	28	M24	13,5	18,5	89	104	28	40,7	55	UC 206 2RF	0,50	625153	675572	

Packaging : 6 pieces.

Note : to obtain the right product code please add **B0000** to the digit indicated in the table.

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Bearings

Maximum velocities

The table indicates the values for SB and SA series bearings • Stainless steel bearings of the UC series must not be operated at velocities in excess of 60% of the values indicated
• The maximum velocity is dependant of the shaft tolerances.
Higher tolerances require lower speed.

Int. dia. bearing d mm	Shaft tolerance				
	h6	h7	h8	h9	h11
	Speed (RPM)				
17	9500	6000	4300	1500	950
20	8500	5300	3800	1300	850
25	7000	4500	3200	1000	700
30	6300	4000	2800	900	630
35	5300	3400	2200	750	530
40	4800	3000	1900	670	480
45	4300	2600	1700	600	430
50	4000	2400	1600	560	400

Axial load capacities

The bearing locking systems by grub screws/eccentric collars, allow axial loads up to 20% of the dynamic load coefficient (only with non hardened shafts and grub screws tightened as recommended) • For bearings of the SB, SA and UC, series it is not recommended to exceed the value of: **0,25•C**.

Calculation data

Bearing dimensioning

The bearing dimensions, for a given application, should be chosen on the basis of the loads to be supported, expected service life and reliability. In most cases the reason for choosing a bearing is the fact that the shaft has already been sized during the design of the plant.

Calculation procedures for self-aligning bearings

The calculation procedure for self-aligning bearings consists in ensuring a satisfactory operating life of the unit:

- 1) - The nominal service life is calculated using the formulas indicated below, keeping in mind the type of stress on the bearing (dynamic or static).
- 2) - The nominal life of the bearing should reflect the expected service life of the plant as indicated in Table 1 hereunder.

Service life

The dimensioning of the bearing requires the knowledge of the appropriate life expectancy of the project in relation to the specific application. This depends on the type of plant, daily/yearly working hours and on the required reliability.

In the absence of practical experience Table 1 gives our recommendations of the average expected plant life under various conditions.

Table 1 - Recommended plant expected life L_{10h} for MB support bearings

Plant type	Plant expected life L_{10h} hours
Seasonal Operation plants	4000 ÷ 8000
Daily operated plant, 8 hours/day, not completely utilised	10000 ÷ 20000
Daily operated plant, 8 hours/day, completely utilised	20000 ÷ 30000
Daily operated plant, 24 hours/day	40000 ÷ 80000

Dynamically stressed bearings

Bearings which rotate under load are considered dynamically stressed (one ring of the bearing makes one full rotation against the other). In most cases, self-aligning supports are dynamically stressed.

Expected life calculation formula

The service life of a bearing is expressed in the number of revolutions or hours of operations which can be expected without breakdown (erosion or laminations of the bearing revolving parts).

The calculating procedure for nominal duration is valid whatever the type of bearing.

$$L_{10} = \left(\frac{C}{P} \right)^3 \quad \text{Life in Millions revolutions}$$

When bearings rotate at constant speed it is more practical to calculate the life in number of hours

$$L_{10h} = \frac{16666}{n} \cdot \left(\frac{C}{P} \right)^3 \quad \text{Life in hours}$$

L_{10} = life in millions of revolutions.

L_{10h} = life in hours.

C = dynamic load coefficient (N). Values are indicated in the support dimensional tables.

P = equivalent dynamic load (N). See calculation formula on Table 2.

n = revolutions (RPM).

Correct expected life

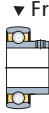
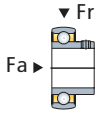
In the majority of cases, for self aligning MB bearings, it is sufficient to calculate L_{10} , L_{10h} using the formula indicated above. The new theory of life calculation permits to establish the correct life expectancy keeping into consideration the effects of lubrication, pollution of solid particles and of the fatigue limit load P_u (values are reported in the bearing tables).

The calculation of the correct expected life requires therefore the assistance of the technical commercial staff.

Calculation data

Equivalent dynamic load P calculation

Table 2 - Equivalent dynamic load P calculation

Bearing type	Load direction on the bearing	Equivalent dynamic load P (N) calculation formula
SB SA UC		$P = Fr$
		$P = X \cdot Fr + Y \cdot Fa$

P = equivalent dynamic load (N).

Fr = radial load acting on the bearing (N).

Fa = axial load acting on the bearing (N).

x, Y = load factors. See Table 3.

Table 3 - Load factors x, y

Ratio $\frac{Fa}{Co}$	e	with $\frac{Fa}{Fr} \leq e$		with $\frac{Fa}{Fr} > e$	
		x	y	x	y
0,025	0,22	1	0	0,56	2
0,04	0,24	1	0	0,56	1,8
0,07	0,27	1	0	0,56	1,6
0,13	0,31	1	0	0,56	1,4
0,25	0,37	1	0	0,56	1,2
0,5	0,44	1	0	0,56	1

Co = Static load coefficient (N). The values are indicated in the support dimensional tables.

Operating conditions coefficients

It should be common practice to include operational factors when calculating bearing dimensions to allow for load variations which may happen during running of the plant. The coefficients given here under are indicative only and are based on actual operational experience.

With steady loads/light impacts:

multiply the equivalent dynamic load P by: 1,2 ÷ 1,5

With loads and medium impacts:

multiply the equivalent dynamic load P by: 1,7 ÷ 2,0

Calculation data

Static load capacity control

Statically stressed bearings

- In rolling-contact bearing technology the condition of static load is considered to exists when:
- The bearing does not rotate and is subjected to permanent loads or intermittent ones (impacts).
 - The bearing is subjected to loads and slow oscillating movements.
 - The bearing rotates under load at a very low speed and for short periods.
 - The bearing rotates under load and must withstand strong impacts acting in the course of one revolution.

The static safety coefficient f_s must not exceed the recommended values given in Table 5 in order to obtain a satisfactory performance of the bearings.
Coefficient f_s gives the safety margin against excessive permanent deformation of the revolving parts of the bearing.

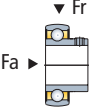
$$f_s = \frac{C_o}{P_o}$$

f_s = static safety coefficient.
 C_o = static load coefficient (N). The values are given in the support dimensional tables.
 P_o = equivalent static load (N). See calculation formula given below.

Table 5 - Static safety coefficient f_s for MB bearings

Type of operation	Revolving bearings			Non revolving bearings
	Noise level not important	Normal noise level operation	Low noise level operation	
Smooth operation without vibration	0,5	1	2	0,4
Normal operation	0,5	1	2	0,5
Impact loads operation	$\geq 1,5$	$\geq 1,5$	≥ 2	≥ 1

Equivalent static load P_o calculation

Bearing type	Load direction on the bearing	Equivalent dynamic load P (N) calculation formula
SB SA UC		$P_o = 0,6 \cdot Fr + 0,5 \cdot Fa$ If $P_o < Fr$, then assume $P_o = Fr$.

P_o = equivalent static load (N).
 Fr = radial load on the bearing (N).
 Fa = axial load on the bearing (N).

Lubrication

■ Prelubrication

All self-aligning bearings are supplied factory lubricated.

■ Relubrication

All self-aligning bearing units are equipped with a grease nipple of the ball type to allow periodical relubrication of the bearing.

Warning

- Do not grease at first assembly.
- Clean greasing nipple before each greasing operation.
- Inject grease slowly until it comes out from the bearing. Keep the bearing rotating and do not apply excessive pressure which could damage the sealing units.
- More frequent greasing operations with smaller quantities of grease are to be preferred.

■ Relubrication intervals

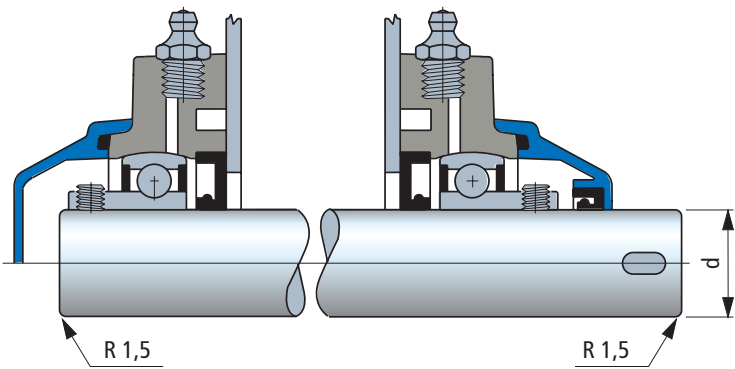
Relubrication intervals vary according to actual operating conditions. Very often during operation, load, speed, temperature and ambient conditions (humidity, dust) may vary making it difficult to establish exact rules. Experience once again gives the best answer:

- | | |
|---------------------------------|---------------------------------|
| • Light operating conditions : | relubricate every 6 months. |
| • Normal operating conditions : | relubricate every 1 ÷ 3 months. |
| • Heavy operating conditions : | relubricate every 2 weeks. |

Shaft tolerances

Tolerances for grub screws/eccentric collar locked bearings

- The tables indicate shaft diameter tolerances.
- Shaft ends must be rounded off in order to:
 - ease assembly and avoid bearing jamming.
 - avoid damages to the rubber parts of the sealing units.
- The shaft surface for the portion in contact with the sealing gaskets must be smooth and free of defects (scratches etc.)



ISO shaft tolerance

Shaft dia. d mm	Heavy loads High speed h 6 plus min.	Normal operation h 7 plus min.	Light loads Low speed h 8 plus min.	Simple applications					
				h 9 plus min.		h 10 plus min.		h 11 plus min.	
17	0 - 11	0 - 18	0 - 27	0	- 43	0	- 70	0	- 110
20 ÷ 30	0 - 13	0 - 21	0 - 33	0	- 52	0	- 84	0	- 130
35 ÷ 50	0 - 16	0 - 25	0 - 39	0	- 62	0	- 100	0	- 160

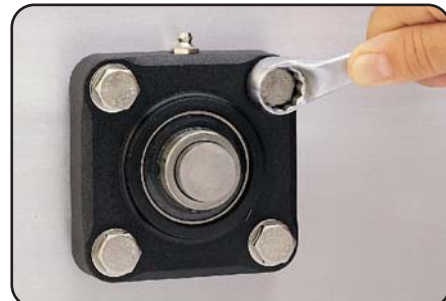
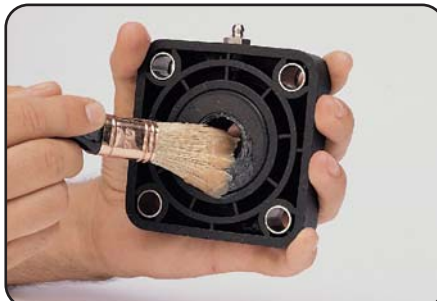
Tolerances in µm

Mounting

Assembly instructions

- 1 - With waterproof bearings the rubber sealing units must be greased before mounting to avoid initial dry running on the shaft. The grease must fill only the space in between the two sealing lips.
- 2 - The bearing must be locked onto the shaft after the support mounting flange has been fully tightened. This is necessary to allow the bearing to assume its correct alignment on the shaft without undue axial stresses.

Always tighten the screws diagonally (max. tightening couple for M10 screw = 50 Nm).



Locking of the bearing by grub screws

- 3 - The table gives the recommended maximum tightening couples for the grub screws and the size of the hexagonal to use.



Int. dia. bearing mm	Sc. driver size mm		Max. tightening couple Nm	
	Bearings SB - UC	Bearings SA	Bearings SB - UC	Bearings SA
17	3	-	4	-
20	3	3	4	4
25	3	3	4	4
30	3	3	4	4
35	3	4	4	6,5
40	3	4	4	6,5
45	-	4	-	6,5
50	-	5	-	16,5

Locking of the bearings by eccentric collar

- 4 - Tighten the collar by turning it with a punch in the same direction as the rotation of the shaft.
- 5 - Hand tighten the grub screw. The screw driver dimension and the tightening couple are given in the table above (Ref. SA series bearings).



Assembly/removal of the protection cover

- 6 - Assembly. The sealing unit of open end covers must be greased to avoid initial dry running on the shaft. The grease must fill only the space in between the two sealing lips.
- 7 - Removal. Insert a screw driver into the groove provided for and force the cover out.



Resistance against chemical agents	POLYAMIDE PA		POLYPROPYLE NE		POLYETHYLENE PE		ACETAL POM		AISI 303 AISI 304		AISI 316		NICKEL PLATED BRASS		NBR RUBBER		VITON RUBBER	
CHEMICAL AGENT	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C	Conc.%	23°C
ACETIC ACID	10	–	40	+	10	+	5	–	20	+	50	+	/		–		20	–
ACETONE	100	+		+		+		/	50	+	25	+	+		–			–
ALUMINIUM CHLORIDE	10	+							–		/				+		Sat.	+
AMMONIA	10	+	30	+		+	Sol.	+	50	+	100	+	–		/			/
AMMONIA CONC.		+		+		+		–							–			
AMMONIUM CHLORIDE	10	+							10	/		/			+		Sat.	+
AMYL ALCOHOL	100	+		+						+		+						+
ANILINE		/	100	+	3	+	3	+	3	+					–			
BEER		+		+		+		+		+			+		+			+
BENZENE		+		+		/		+	70	/					–			
BENZOIC ACID	Sat.	/	Sat.	+					100	/	100	+			+			+
BENZOL	100	+		/		/		+		+		+	+		–			/
BORIC ACID	10	+	Sat.	+	Sat.	+		+	100	/	Sat.	+			+		Sat.	+
BRINE		/	Sat.	+		+		/							+			
BUTTER		+		+		+		+		+			+		+			+
BUTYL ALCOHOL	100	+		+						+		+			/			+
BUTYRIC ACID		–	100	+		+		–	5	+					–			
CALCIUM CHLORIDE	10	+	50	+	Sat.	+		/	10	–		/		+	+		Sat.	+
CARBON SULPHIDE	100	+		+		+		+		+		+			–			+
CARBON TETRACHLORIDE		+		–		/		+	10	–		+		+	–			+
CAUSTIC SODA	10	+	52	+	25	+	25	–		+					/		45	+
CHEESE		–		+		+		+							+			
CHLORINATED WATER		+		–		–		–		–					–			
CHLOROFORM	100	–		/		–		–	100	+		+	+		–			+
CHOCOLATE		–				+		+							+			
CITRIC ACID	10	/	10	+		+		/	5	+	25	+		–	+		Sat.	+
CUPRIC SULPHATE	10	+	Sat.	+		+		+	5	+	100	+			+		Sat.	+
DISTILLED WATER		+		+		+		+		+					+			
ETHYL ACETATE	100	+		+					100	/					–			–
ETHYL ALCOHOL	96	+	96	+		+		+	10	+		+		+	/			+
ETHYL CHLORIDE	100	+		–		/		+		+		/		/	–			
ETHYL ETHER	100	+		+		+		+							–			–
FERRIC CHLORIDE	10	+		+					20	–		/			+		Sat.	+
FOOD FATS		+		+		+		+		+					+			+
FOOD OILS		+		+		+		+		+					+			+
FORMALDEHYDE	30	+	40	+		/		+	100	+				+	–		40	+
FORMIC ACID	10	–	100	+	10	+	10	–	5	/				+	–			
FREON 12		+								+					+			/
FRESH WATER		+		+		+		+		+				+	+			
FRUIT JUICES		+		+		+		+		+					+			
GASOLINE		+		/		/		+		+		+		/	/			+
GLYCERINE		+		+		+		+		+		+		+	+			+
HYDROCHLORIC ACID	10	–	30	+	37	+	37	–		–	1	+		/	10	/	37	+
HYDROCHLORIC ACID	2	–	2	+	2	+	2	/							2	/		
HYDROFLUORIC ACID	40	–	40	+	70	+		–		–					65	–	48	+
HYDROGEN PEROXIDE	3	–	30	+		+		–	30	+		+		/	80	–	90	+
IODINE		–		+		+		+							/			
LACTIC ACID	10	+	20	+		+		+	5	+	10	+		–	+			+
LINSEED OIL		+		+					100	+		+			+			+
MAGNESIUM CHLORIDE	10	+	Sat.	+					5	+		/			+		Sat.	+
MERCURY		+	100	+		+		+	100	/		+		/	+			+
METHYL ALCOHOL	100	+		+		+		+	100	/		+		+	/			/
METHYLENE CHLORIDE	100	+		/		/		–		/		/			–			/
MILK		+		+		+		+		+				+	+			+
MINERAL OILS		+		+		+		+		+		+			+			+
MUSTARD		–		+		+		+							+			
NITRIC ACID	10	–		+	5	/	5	–	10	+	65	+			10	–	70	+
OLEIC ACID	100	+		+		/		–	100	/				+	/			/
PARAFFIN		+	100	/		+		+		+					+			
PETROLEUM		+	100	/		–		+		+				+	+			+
PETROLEUM ETHER		+		+		+		+		+		+		+	–			

Resistance against chemical agents	POLYAMIDE PA	POLYPROPYLE NE	POLYETHYLENE PE	ACETAL POM	AISI 303 AISI 304	AISI 316	NICKEL PLATED BRASS	NBR RUBBER	VITON RUBBER
CHEMICAL AGENT	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C	Conc.% 23°C
PHENOL	-	+			10 +	+		-	+
PHOSFORIC ACID	10 -	85 +	95 +	10 -	10 -	50 /	-	20 /	85 +
POTASSIUM HYDROXIDE	10 +				50 +	50 +		/	+
SEA WATER	+	+	+	/	+	+	+	+	+
SILICONE OIL	+	+						+	+
SILVER NITRATE	+	20 +			60 /			/	+
SOAP AND WATER	+	+	+	+	+			+	
SODIUM CARBONATE	10 +	Sat. +	+	+	5 +	100 +		+	+
SODIUM CHLORIDE	10 +	Sat. +	+	+	5 +	/	+	+	Sat. +
SODIUM HYDROXIDE	10 +	30 +	+	10 +	-		+	/	
SODIUM HYPOCHLORITE	+	20 +	+	-	-			-	5 +
SODIUM SILICATE	+				100 +	100 +		+	
SODIUM SULPHATE	10 +	Sat. +	+	+	5 +	100 +		+	+
SOFT DRINKS	+	+	+	+	+		+	+	
SUDS	+	+						+	+
SULPHURIC ACID	10 -	98 +	40 /	40 -	10 -	100 +	+	-	95 +
TARTARIC ACID	+	10 +	+	30 /	10 +	50 +	-	+	+
TETRALINE	+	-						-	+
TINCTURE OF IODINE	-	+	+	+			-	/	
TRANSFORMER OIL	+	/						+	+
TRICHLOROETHYLENE	/	/	+	-	+		+	-	+
TURPENTINE	/	-	-	-	+			-	
VASELINE	+	+	/	+				+	+
VEGETABLE JUICES	+	+	+	+	+			+	
VEGETABLE OILS	+	+	+	+	+			+	
VINEGAR	+	+	+	+	+		+	/	-
WHISKY	+	+	+	+	+		+	+	+
WINE	+	+	+	+	+		+	+	+
XIOL	+	-	/	+	+		/	-	+
ZINC CHLORIDE	10 /	20 +			10 -	/		+	Sat. +

Abbreviations: Sat. = saturated.

Legend..

+ = Good resistance.
 / = Fairly good resistance (limited use depending on working conditions).
 - = Poor resistance (not recommended).
 N.B. Where tests have not been carried out the spaces are left blank.

The data shown in this table..

are taken from laboratory tests, performed on unstrained test samples. It should be considered as purely indicative since material behaviour under real working conditions depends on different factors: temperature, concentration of the chemical agent, quick or long-lasting effect of the chemical agent.

Operating temperatures

Operating temperatures (°C)

Material	Description	contact with air		contact with hot water
		Min	Max	Max
PA	Polyamid	0	+ 80	+ 65
PA FV	Reinforced polyamid	- 5	+ 120	+ 100
PP	Polypropylene	+ 5	+ 105	+ 105
PP FV	Reinforced polypropylene	+ 5	+ 115	+ 115
PE (UHMWPE)	Polyethylene	- 40	+ 80	+ 70
POM	Acetal	- 40	+ 80	+ 65
Rex-LF®	Acetal	- 40	+ 80	+ 65
AISI 303 - AISI 304	Austenitic stainless steel (18/8)	- 70	+ 430	+ 120
Fe Zn	Zinc plated steel	- 40	+ 180	-
OT	Nickel plated brass	- 40	+ 180	+ 120

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Serie HCF/C	B2
Serie UCFS/C-R	B4
Serie HCFS/C-R	B4
Serie UCFL/C	B6
Serie HCFL/C	B6
Serie UCFLS/C	B8
Serie HCFLS/C	B8
Serie UCP/C	B10
Serie HCP/C	B10
Serie UCPA/C	B12
Serie HCPA/C	B12
Serie UCFB/C	B14
Serie HCFB/C	B14
Serie UCT/C	B16
Serie HCT/C	B16

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The loads indicated in the table represent the maximum loads that can be applied at static conditions. These values result from tests and laboratory experiments done on our materials, injection molded and conditioned (40h - 23°C - 50% U.R.).

The loads values should be adequately reduced in case of : vibrations at high frequencies, live loads, high temperatures and places with high degree of humidity. For a mutual guarantee, please address to our technical or commercial departments, in order to value the characteristics according to their employment.

AUSTRALIA

Rexnord Australia Pty. Ltd.
Picton, New South Wales
Phone: 61-2-4677-3811
Fax: 61-2-4677-3812

BRAZIL

Rexnord Correntes Ltda.
Sao Leopoldo - RS
Phone: 55-51-579-8022
Fax: 55-51-579-8029

CANADA

Rexnord Canada Ltd.
Scarborough, Ontario
Phone: 1-416-297-6868
Fax: 1-416-297-6873

CHINA

Rexnord China
Shanghai
Phone: 86-21-62701942
Fax: 86-21-62701943

FLATTOP EUROPE

Rexnord FlatTop Europe b.v.
's-Gravenzande, The Netherlands
Phone: 31-174-445-111
Fax: 31-174-445-222

Rexnord Marbett S.r.L.
Correggio (RE), Italy
Phone: 39-0522-639333
Fax: 39-0522-637778

RMCC Deutschland Kette GmbH
Aßlar-Werdorf, Germany
Phone: 49-6443-83140
Fax: 49-6443-831420

Rexnord FlatTop France
Orly Cedex
Phone: 33-1-4173-4220
Fax: 33-1-4173-4229

UNITED STATES

Customer Service
Phone: 1-866-REXNORD
(1-866-739-6673)
Fax: 1-614-675-1898
E-mail: [rexnordcs\(state\)@rexnord.com](mailto:rexnordcs(state)@rexnord.com)
Example: rexnordcsOhio@rexnord.com

Rexnord FlatTop North America
Grafton, Wisconsin
Phone: 1-262-376-4700
Fax: 1-262-376-4720

Rexnord International - Power Transmission
Milwaukee, Wisconsin
Phone: 1-414-643-2366
Fax: 1-414-643-3222
E-mail: international2@rexnord.com

ALL COUNTRIES NOT LISTED

Rexnord FlatTop Europe b.v.
's-Gravenzande, The Netherlands
Phone: 31-174-445-111
Fax: 31-174-445-222

After Hours/Emergency Phone:
31-174-445-112



www.rexnordflattop.com
flattopeurope@rexnord.com