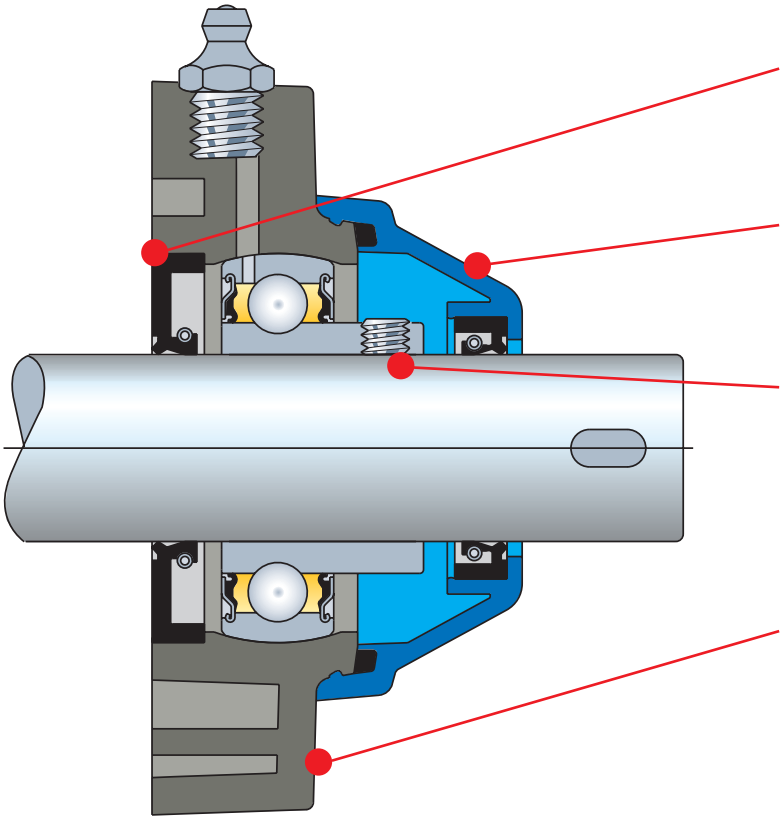
PRODUCT CATALOGUE 2008

MARBETT® GOLD SELF-ALIGNING BEARINGS

FlatTop Europe

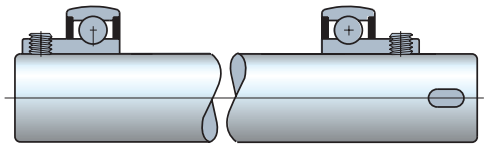
REXNORD
PRECISION. POWER. PERFORMANCE.



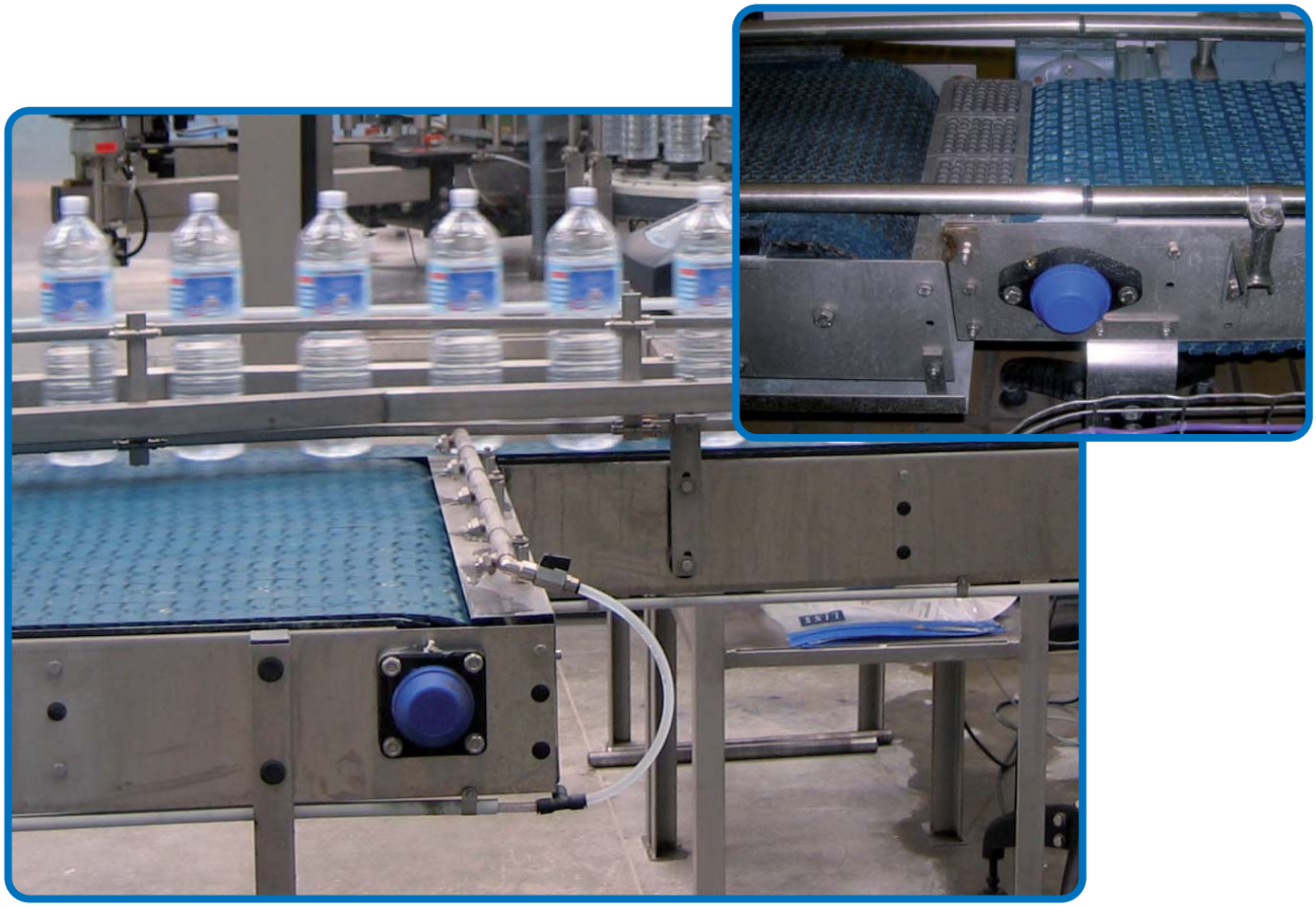
Waterproof housing
The waterproof sealing system guarantees protection of the bearing from the external environment

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 Rexnords 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.

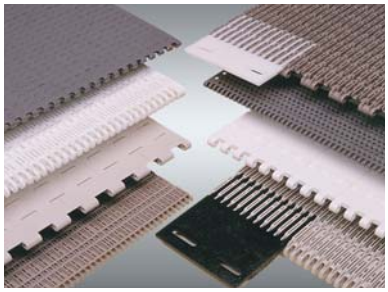
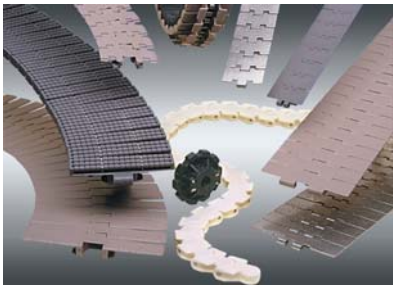
In beverage industry palletizers, depalletizers, washers, labelers, fillers, pasteurizers, inliners, outfeeds, elevators and accumulation tables are equipped with slatband chains, curves, sprockets, belts, bearings, leveling elements and many more conveyor components.

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.

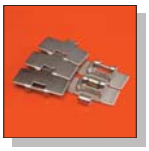
In automotive industry the products are engineered to meet the most demanding applications, such as rubber processing and tire handling.

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:

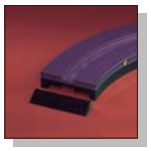


• Steel slatband chains
In various materials ranging from carbon steel to special stainless steel with better wear and sliding properties; types straight running, sideflexing tab, bevel and Magnetflex, with and without rubber top.

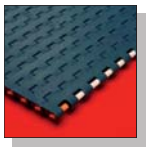
• Plastic slatband chains
Wide range of materials and various executions; single hinge, double hinge, heavy duty, vacuum, lbp rollers and rubber top.

• 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

Page B2 - B3

Square flange bearing
UCFS/C - HCFS/C

Page B4 - B5

Oval flange bearing
UCFL/C - HCFL/C

Page B6 - B7

Oval flange bearing
UCFLS/C - HCFLS/C

Page B8 - B9

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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

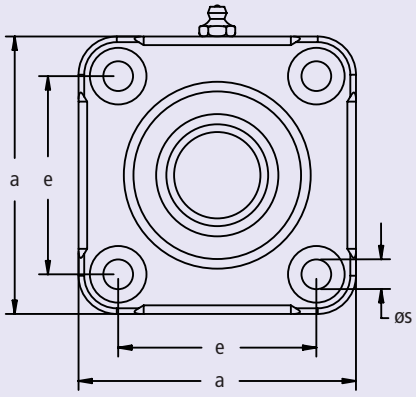
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

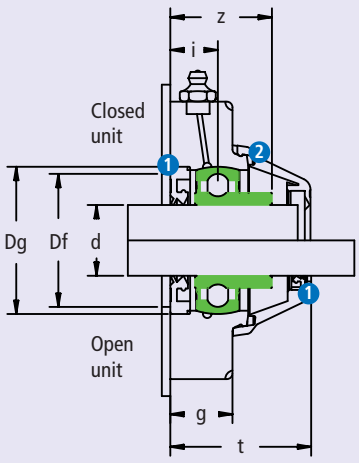
Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	Bearing load SB - SA: Load coefficient stat. Co N	Bearing load SB - SA: Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	Bearing load UC 2RF: Load coefficient stat. Co N	Bearing load UC 2RF: Max. axial load N	Bearing unit max. static load: PA FV N	Bearing unit max. static load: PA FV 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**

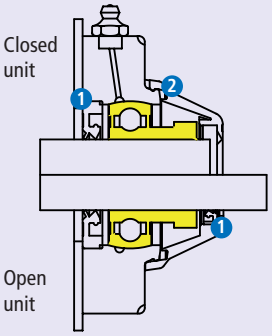
1. Seal.
2. O-Ring.



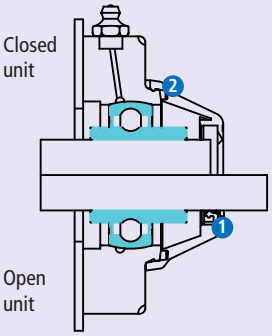
- **Series UCF/C**
  Bearing SB in Chrome alloy Steel
  Grub screws shaft locking



- **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: Polyamide PA FV Standard, Flange (black) Cover (Blue) Code	Dimensions in mm e	a	s	g	i	Z	t	Dg	Bore in frame[1) Df max.	Df min.	Bearing	Weight Kg	Base unit without seal and cover Code	Spare parts Cover Blue Code
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	675332
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

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

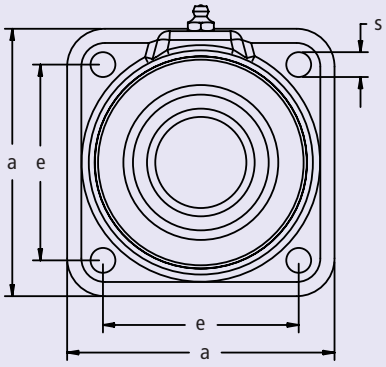
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

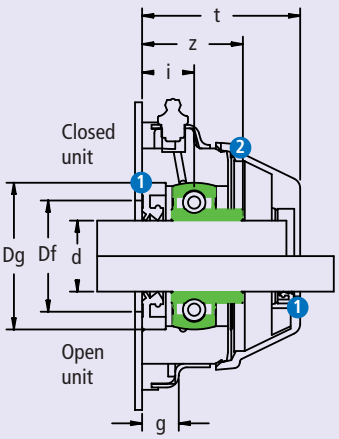
Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing unit max. static load: PA FV N	PA FV N
30	15100	10000	3020	12500	10000	2500	20700	25300
35*	19900	13700	3980	16600	13700	3320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

*= Version with special fixing holes

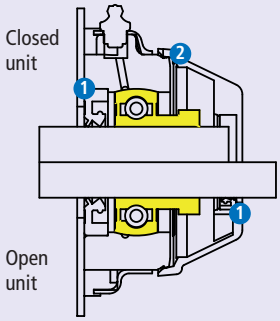
1 Seal.
2 O-Ring.



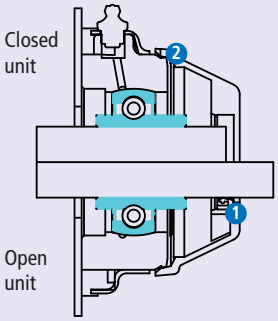
• Series UCFS/C-R
Bearing SB in Chrome alloy Steel
Grub screws shaft locking



• 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: Polyamide PA FV with austenitic stainless steel surface Solid Flange Cover (Blue) Code	Dimensions in mm e	a	s	g	i	z	t	Dg	Bore in frame[1] Df max.	Df min.	Bearing	Weight Kg	Spare parts Cover Blue 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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

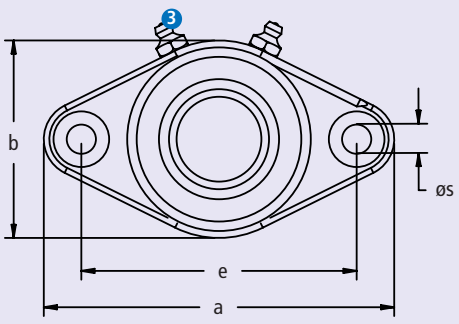
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

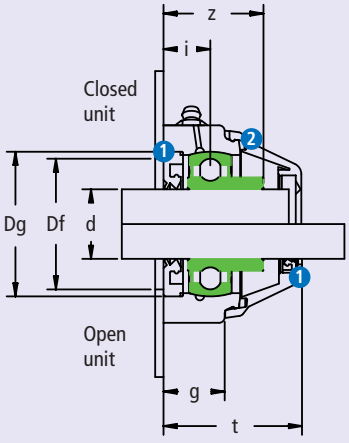
Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	Bearing load SB - SA: Load coefficient stat. Co N	Bearing load SB - SA: Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	Bearing load UC 2RF: Load coefficient stat. Co N	Bearing load UC 2RF: Max. axial load N	Bearing unit max. static load: PA FV N	Bearing unit max. static load: PA FV 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**

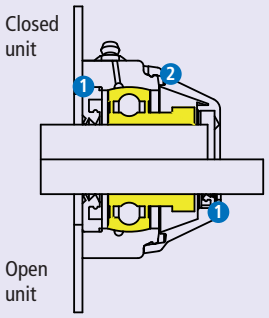
1. Seal.
2. O-Ring.
3. Only for series 206



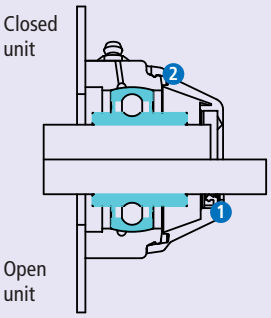
- **Series UCFL/C**
  Bearing SB in Chrome alloy Steel
  Grub screws shaft locking



- **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

dia. d mm	Series	Housing material: Polyamide PA FV Standard, Flange (black) Cover (Blue) Code	Dimensions in mm e	a	b	s	g	i	z	t	Dg	Bore in frame[1] Df max.	Df min.	Bearing	Weight Kg	Base unit without seal and cover Code	Spare parts Cover Blue 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	HCLF 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	623893	675392
35*	SUCFL 207 C	**623663**	117	148	112	11	26	19,5	43	62	72	70	55	UC 207 2RF	0,70	623903	675482
40	UCFL 208 C	**623673**	144	176	102	11	30	23	52	54,7	80	78	65	UC 208 2RF	0,90	617033	675402
40*	SUCFL 208 C	**623683**	117	148	112	11	26	19	45	68	80	78	65	UC 208 2RF	0,74	623913	675402

*= Version with special fixing holes

SUCFL206C/SHCFL206C: Assembly with cylindrical head screws

[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

UCFLS/C - HCFLS/C

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

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

Stainless Steel
Grub screws
shaft locking

Material

Housing in reinforced polyamide PAFV resin (black) • Austenitic stainless steel surface • Sealig 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

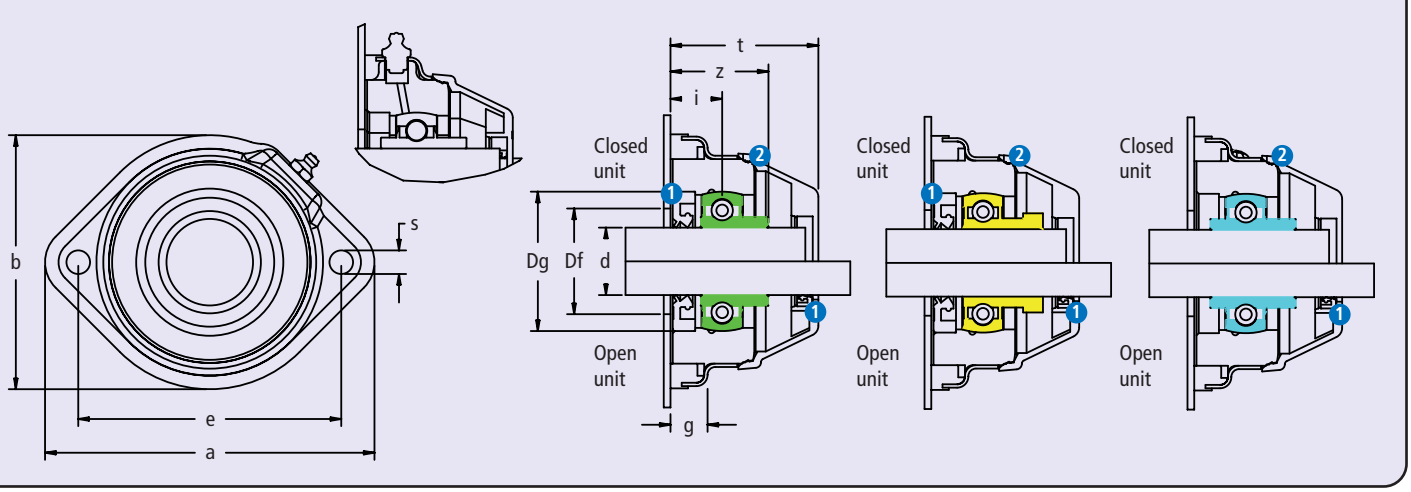
Loads

Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing unit max. static load: PA FV N	PA FV 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: Polyamide PA FV with austenitic stainless steel surface. Solid Flange Cover (Blue) Code	Dimensions in mm e	a	b	s	g	i	z	t	Dg	Bore in frame[1] Df max.	Df min.	Bearing	Weight Kg	Spare parts 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

- **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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

Loads

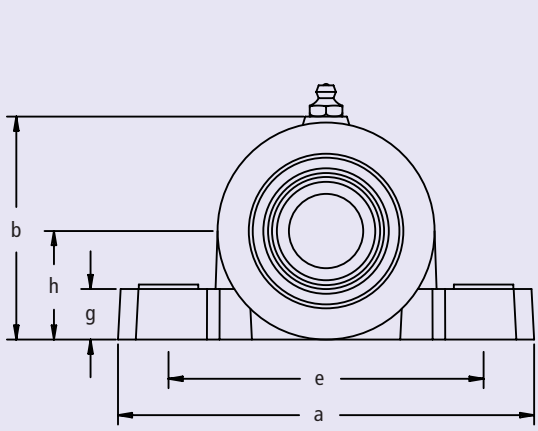
Shaft dia. d mm	Bearing unit max. static load PA FV N	PA FV N	PA FV N
20	4000	18000	5000
25	6000	18000	6000
30	7000	25000	8000
35	8000	27000	10000
40	8000	27000	10000

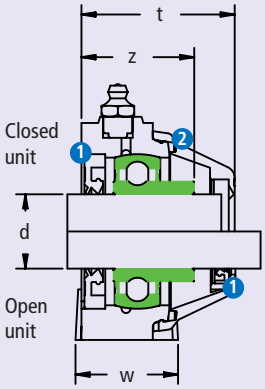
Bearing load

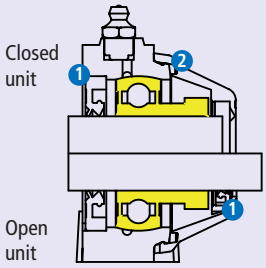
Shaft dia. d mm	SB - SA Load coefficient dyn. C N	stat. Co N	Max. axial load N	UC 2RF Load coefficient dyn. C N	stat. Co N	Max. axial load N
20	10000	6200	2000	8300	6200	1660
25	10800	7000	2160	9150	7000	1830
30	15100	10000	3020	12500	10000	2500
35	19900	13700	3980	16600	13700	3320
40	22600	15700	4520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

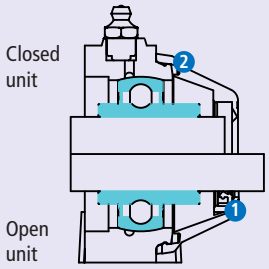
1 Seal.
2 O-Ring.

- **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









UCP/C - HCP/C

dia. d mm	Series	Housing material: Polyamide PA FV Standard Flange (black) Cover (Blue) Code	Dimensions in mm e	a	h	b	s^1	s^2	g	w	i	z	t	Bearing	Weight Kg	Base unit without seal and cover Code	Spare parts Cover Blue 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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

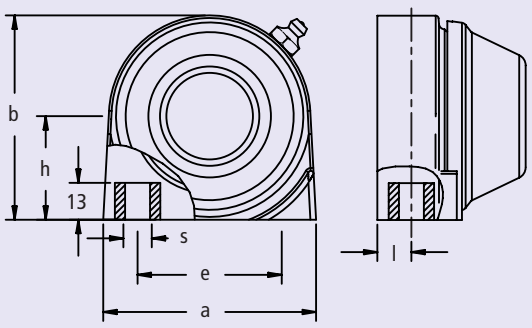
Loads

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

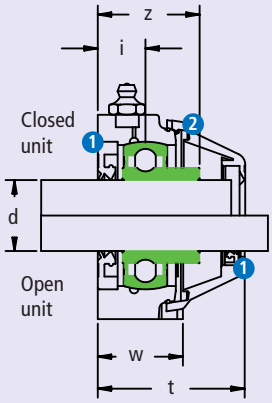
Bearing load

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

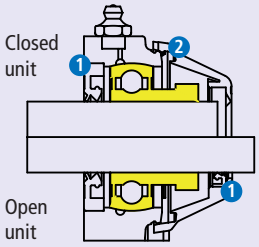
1 Seal.
2 O-Ring.



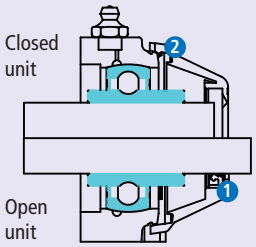
- **Series UCPA/C**
  Bearing SB in Chrome alloy Steel
  Grub screws shaft locking



- **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 **Polyamide PA FV Standard** Flange (black) Cover (Blue) **Code**	Dimensions in mm e	a	h	b	s	w	i	l	z	t	Bearing	Weight Kg	Base unit without seal and cover **Code**	Spare parts Cover Blue **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

The picture shows d. 20-25 version.

For other versions please see the technical drawing.

- **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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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

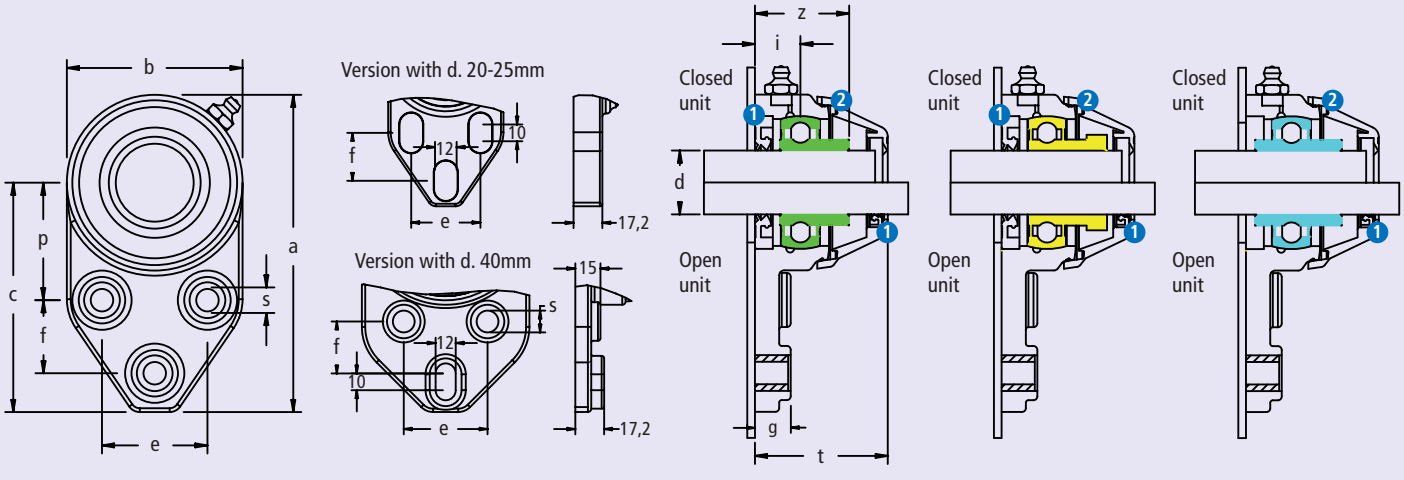
- Superagriseal unit
- Prelubricated with lithium/calcium grease
- Can be relubricated

Loads

Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	stat. Co N	Max. axial load N	Bearing unit max. static load PA FV N	PA FV 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: Polyamide PA FV Standard Flange (black) Cover (Blue) Code	Dimensions in mm a	b	c	p	e	f	s	g	i	z	t	Dg	Bore in frame[1) Df max.	Df min.	Bearing	Weight Kg	Base unit without seal and cover Code	Spare parts Cover Blue 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**

Chrome alloy Steel
Grub screws
shaft locking

Zinc Plated Steel
Eccentric collar
shaft locking

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°.

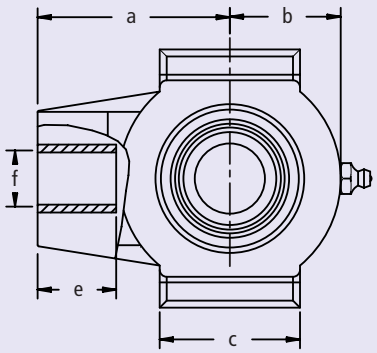
Bearing

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

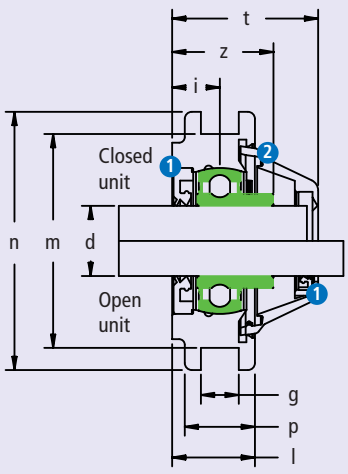
Loads

Shaft dia. d mm	Bearing load SB - SA: Load coefficient dyn. C N	Bearing load SB - SA: Load coefficient stat. Co N	Bearing load SB - SA: Max. axial load N	Bearing load UC 2RF: Load coefficient dyn. C N	Bearing load UC 2RF: Load coefficient stat. Co N	Bearing load UC 2RF: Max. axial load N	Bearing unit max. static load: PA FV 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

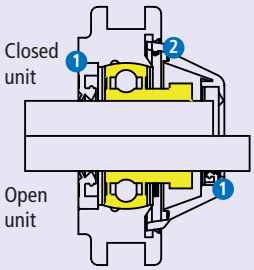
1 Seal.
2 O-Ring.



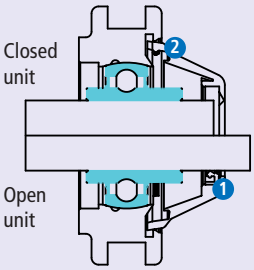
• **Series UCT/C**
Bearing SB in Chrome alloy Steel
Grub screws shaft locking



• **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



UCT/C - HCT/C

Ø d mm	Series	Housing material: Polyamide PA FV with austenitic stainless steel surface. Solid Flange Cover (Blue) Code	Dimensions in mm a	b	c	e	f	g	i	m	n	p	z	t	Bearing	Weight Kg	Base unit without seal and cover Code	Spare parts Cover Blue Code
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.

Technical information

Bearings

Calculation data

Lubrication

Shaft tolerances

Mounting

Resistance against chemical agents

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 L10h 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.

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

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

$$L_{10h} = \frac{16666}{n} \bullet \left(\frac{C}{P}\right)^3$$ 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).

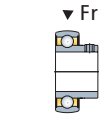
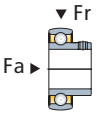
Correct expected life

In the majority of cases, for self alinging 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 Pu (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 • Fr + Y • 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 fs must not exceed the recommended values given in Table 5 in order to obtain a satisfactory performance of the bearings.
Coefficient fs gives the safety margin against excessive permanent deformation of the revolving parts of the bearing.

$$fs = \frac{Co}{Po}$$

fs = static safety coefficient.
Co = static load coefficient (N). The values are given in the support dimensional tables.
Po = equivalent static load (N). See calculation formula given below.

Table 5 - Static safety coefficient fs 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	≥ 1,5	≥ 1,5	≥ 2	≥ 1

Equivalent static load Po calculation

Bearing type	Load direction on the bearing	Equivalent dynamic load P (N) calculation formula
SB SA UC	▼ Fr Fa ▶ 	**Po = 0,6 • Fr + 0,5 • Fa** If Po < Fr, then assume Po = Fr.

Po = 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

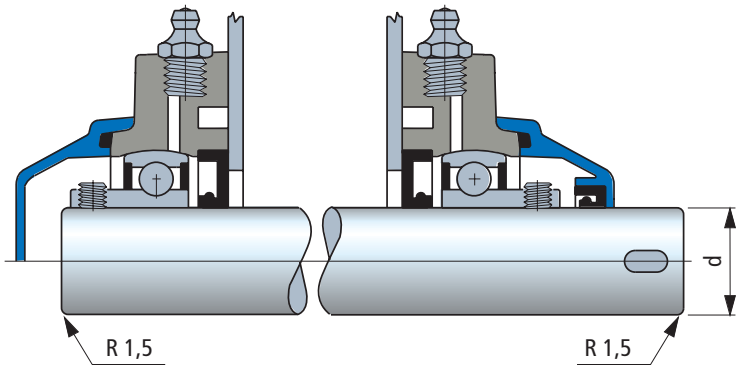
Relubrication intervals vary according to actual operating conditions. Very often during operation, load, speed, temperature and ambient conditions (humidity, dust) may vary making it difficult to establish exact rules. Experience once again gives the best answer:

- 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

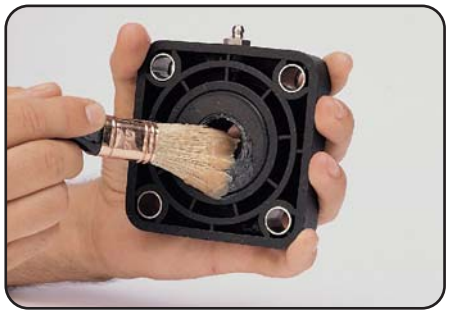
Shaft dia. d mm	Heavy loads High speed h 6 plus	min.	Normal operation h 7 plus	min.	Light loads Low speed h 8 plus	min.	Simple applications h 9 plus	min.	h 10 plus	min.	h 11 plus	min.
17	0	- 11	0	- 18	0	- 27	0	- 43	0	- 70	0	- 110
20 ÷ 30	0	- 13	0	- 21	0	- 33	0	- 52	0	- 84	0	- 130
35 ÷ 50	0	- 16	0	- 25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

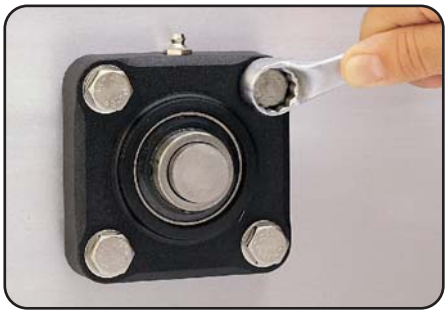
Tolerances in µm

Mounting

Assembly instructions

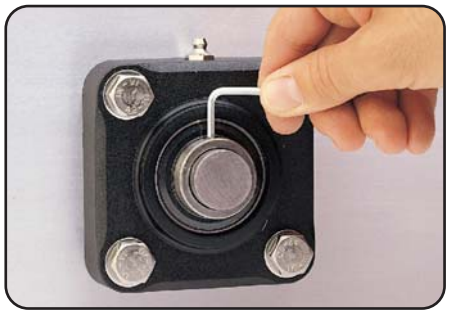
1 - With waterproof bearings the rubber sealing units must be greased before mounting to avoid initial dry running on the shaft. The grease must fill only the space in between the two sealing lips.
2 - The bearing must be locked onto the shaft after the support mounting flange has been fully tightened. 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	3	4 4	4
25	3 3	3	4 4	4
30	3 3	4	4 4	6,5
35	3 4	4	4 6,5	6,5
40	3 4	4	4 6,5	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		POLYPROPYLENE		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 CHEMICAL AGENT	POLYAMIDE PA		POLYPROPYLENE		POLYETHYLENE PE		ACETAL POM		AISI 303 AISI 304		AISI 316		NICKEL PLATED BRASS		NBR RUBBER		VITON RUBBER	
	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		+		/												+		+
TRICHLORETHYLENE		/		/		+		-		+				+		–		+
TURPENTINE		/		–		-		-		+						–		
VASELINE		+		+		/		+								+		+
VEGETABLE JUICES		+		+		+		+		+						+		
VEGETABLE OILS		+		+		+		+		+						+		
VINEGAR		+		+		+		+		+				+		/		–
WHISKY		+		+		+		+		+				+		+		+
WINE		+		+		+		+		+				+		+		+
XILOL		+		–		/		+		+				/		–		+
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)		
		contact with air		contact with hot water
Material	Description	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

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.

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