

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

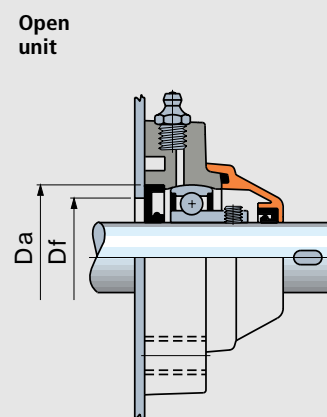
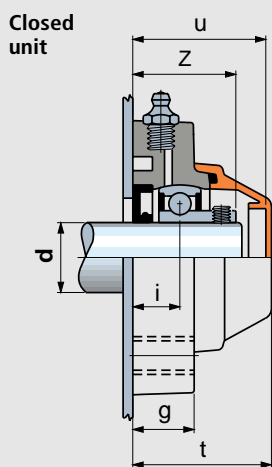
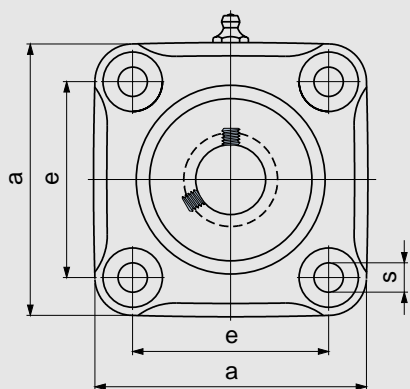
Locking by grub screws

The bearing can be locked onto the shaft by grub screws

ISO dimensions

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

Series UCF/C - SUCF/C



Shaft dia. d mm	Bearing type	Code		Dimensions in mm										Bore in frame ¹⁾ Df		Weight Kg	Application characteristics	
		Closed unit	Open unit	e	a	s	g	i	z	u	t	Da	max	min	Bearing			
PA FV polyamide housing																		
25	UCF 205 C	64573	64623	70	98	11	22,5	16,8	36,3	47,5	49,5	52	50	45	YAT 205 2	0,40	• High mechanical and heat resistance • Proof to dust, humidity, washouts, steam, average aggressive chemical agents	
30	UCF 206 C	63112	63172	83	110	11	26	20	41	53	55	62	60	50	YAT 206 2	0,56		
35	UCF 207 C	64018	64028	92	120	11	26	19,5	45	57	59	72	70	55	YAT 207 2	0,72		
40	UCF 208 C	68916	68926	102	131	11	30	22	47,3	62,5	65,5	80	78	65	YAT 208 2	0,95		
40*	SUCF 208 C	61819	61829	83	110	11	26	19	48	64	66	80	78	65	YAT 208 2	0,88		
PP FV polypropylene housing																		
25	UCF 205 C	64603	64653	70	98	11	22,5	16,8	36,3	47,5	49,5	52	50	45	YAT 205 2	0,40	• Proof to highly aggressive chemical agents	
30	UCF 206 C	63142	63202	83	110	11	26	20	41	53	55	62	60	50	YAT 206 2	0,56		
35	UCF 207 C	64038	64048	92	120	11	26	19,5	45	57	59	72	70	55	YAT 207 2	0,72		
40	UCF 208 C	68936	68946	102	131	11	30	22	47,3	62,5	65,5	80	78	65	YAT 208 2	0,95		
40*	SUCF 208 C	61839	61849	83	110	11	26	19	48	64	66	80	78	65	YAT 208 2	0,88		

* = Special version. The distances between fixing holes are the same as for type UCF 206 C (d 30).

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

YAT 2 Bearing

Chrome alloy steel • Grub screws shaft locking
• Supergriseal unit • Prelubricated with lithium / calcium grease • Can be relubricated • Self aligning within 2° max

Dimensions and characteristics at page 38-39.

PA FV polyamide housing

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

PP FV polypropylene housing

Housing in reinforced polypropylene PP FV resin (black)
• Protection cover in reinforced polypropylene PP FV (orange) • Seal and O-Ring in Viton rubber • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316

Shaft dia. d mm	Bearing type	Bearing load (N)			Bearing unit max. static load (N)				Continuous operating temperature (°C)			
		Load coefficient		Max. axial load ²⁾	Fr ↓		Fr ↓		in air		in hot water	
		dynamic C	static Co		PA FV	PP FV	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV
25	UCF 205 C	10800	7800	2160	17000	12000	18000	10000				
30	UCF 206 C	15000	11200	3000	17000	12000	18000	10000				
35	UCF 207 C	19600	15300	3920	18000	12000	22000	12000	- 20 a + 90	- 20 a + 70	80	100
40	UCF 208 C	23600	19000	4720	18000	12500	22000	12000				
40	SUCF 208 C	23600	19000	4720	17000	12000	18000	10000				Do not use steam for cleaning

2) = The grub screws blocking method allows a maximum axial load of: 0,20 • C (with non hardened shafts and grub screws tightened with recommended torsion couples). The radial static loads Fr have been established in laboratory conditions on housings complete with bearings.



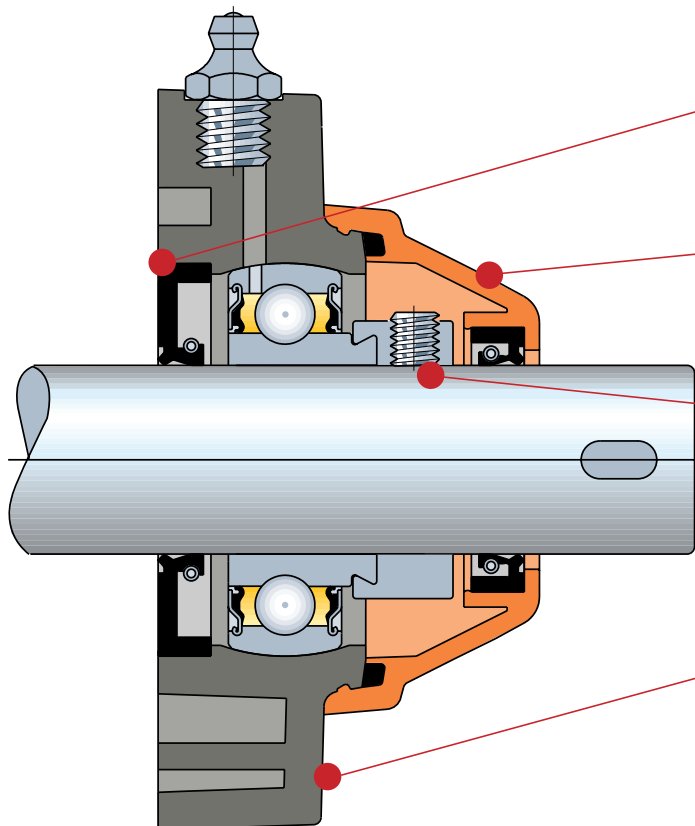
Accessories / page 34

- Quick coupler for remote lubrication
- Grease nipple cover



Spare parts / page 35-36

- Closed or open protection cover
- Ball type grease nipple
- Sealing ring (opposite side to protection cover)



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

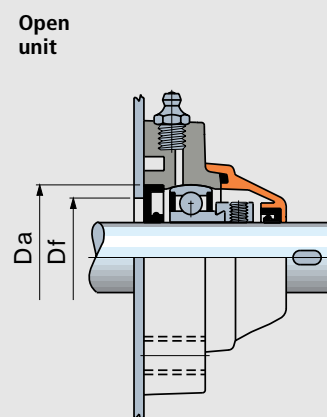
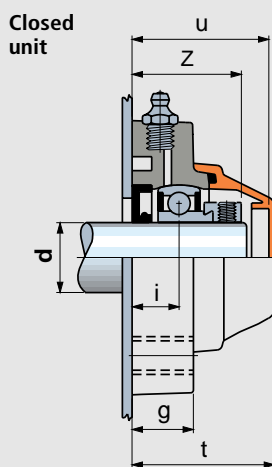
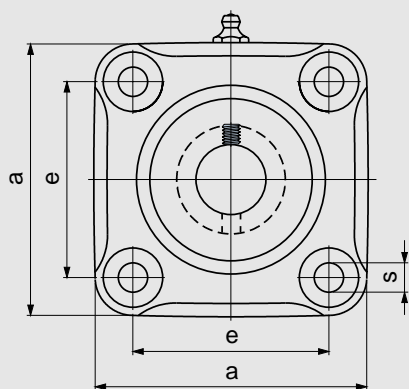
Eccentric collar shaft locking

The bearing features a self-aligning bearing locked into position by an eccentric collar. Improved resistance to vibrations. Single directional travel (cannot reverse rotation)

ISO dimensions

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

Series HCF/C - SHCF/C



Shaft dia. d mm	Bearing type	Code		Dimensions in mm										Bore in frame ¹⁾ Df		Weight Kg	Application characteristics	
		Closed unit	Open unit	e	a	s	g	i	z	u	t	Da	max	min	Bearing			
PA FV polyamide housing																		
30	HCF 206 C	621501	621481	83	110	11	26	19	45,7	53	55	62	60	50	YET 206 2	0,56	<ul style="list-style-type: none"> • High mechanical and heat resistance • Proof to dust, humidity, washouts, steam, average aggressive chemical agents 	
40*	SHCF 208 C	62439	62449	83	110	11	26	19	51,7	64	66	80	78	65	YET 208 2	0,95		
PP FV polypropylene housing																		
30	HCF 206 C	621511	621491	83	110	11	26	19	45,7	53	55	62	60	50	YET 206 2	0,56	<ul style="list-style-type: none"> • Proof to highly aggressive chemical agents 	
40*	SHCF 208 C	62459	62469	83	110	11	26	19	51,7	64	66	80	78	65	YET 208 2	0,95		

* = Special version. The distances between fixing holes are the same as for type HCF 206 C (d 30).

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

YET 2 Bearing

Chrome alloy steel • Eccentric collar shaft locking • Superagriseal unit • Prelubricated with lithium / calcium grease • Can be relubricated • Self aligning within 2° max
Dimensions and characteristics at page 38 - 39.

PA FV polyamide housing

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

PP FV polypropylene housing

Housing in reinforced polypropylene PP FV resin (black)
• Protection cover in reinforced polypropylene PP FV (orange) • Seal and O-Ring in Viton rubber • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316

Shaft dia. d mm	Bearing type	Bearing load (N)			Bearing unit max. static load (N)				Continuous operating temperature (°C)			
		Load coefficient		Max. axial load ²⁾	Fr ↓		Fr ↓		in air		in hot water	
		dynamic C	static Co		PA FV	PP FV	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV
30	HCF 206 C	15000	11200	3000	17000	12000	18000	10000	- 20 a + 90	- 20 a + 70	80	100
40	SHCF 208 C	23600	19000	4720	17000	12000	18000	10000			Do not use steam for cleaning	

2) = The grub screws blocking method allows a maximum axial load of: 0,20 • C (with non hardened shafts and grub screws tightened with recommended torsion couples).
The radial static loads Fr have been established in laboratory conditions on housings complete with bearings.



Accessories / page 34

- Quick coupler for remote lubrication
- Grease nipple cover

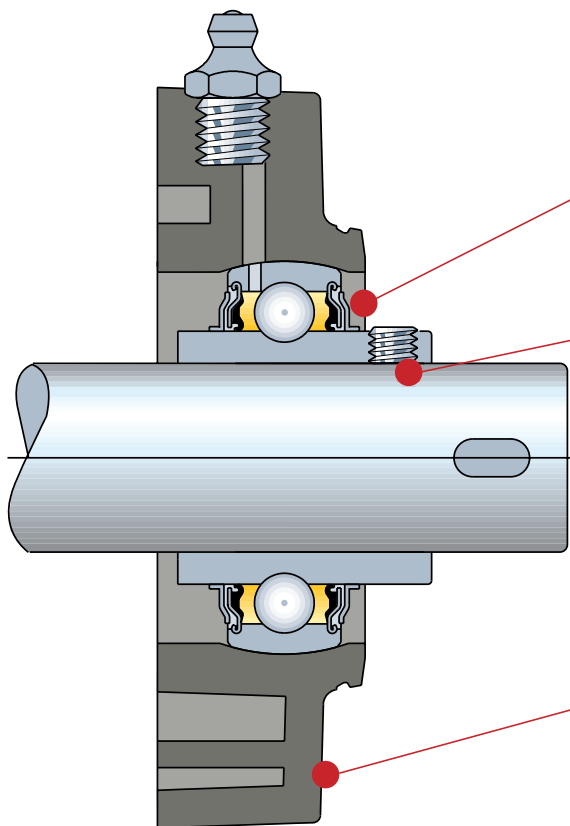


Spare parts / page 35-36

- Closed or open protection cover
- Ball type grease nipple
- Sealing ring (opposite side to protection cover)



Protection cover
Optional



Moderate protection

The bearings feature Superagriseal unit plus centrifuging ring for guaranteed protection against dust and non corrosive agents. For critical applications use the version with stainless steel AISI 420 bearing

Locking by grub screws

The bearing can be locked onto the shaft by grub screws

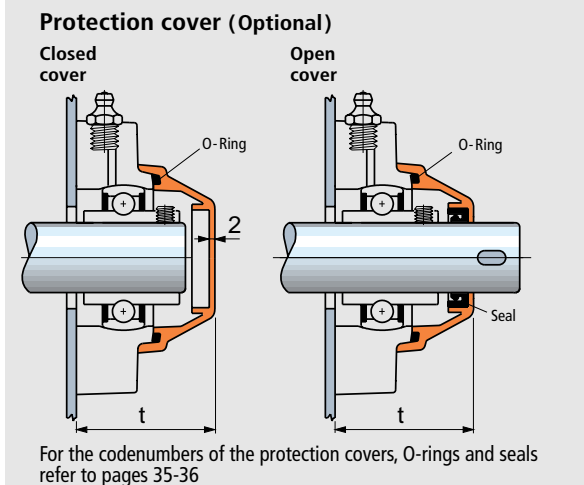
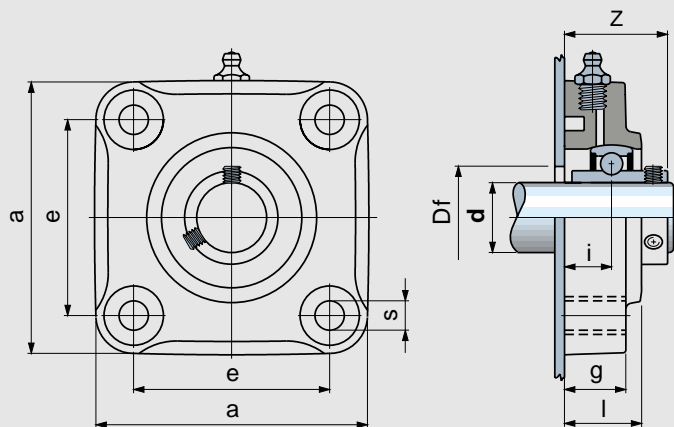
Protection cover

It is supplied as an **optional accessory**. They are available in the closed or open version, they protect the bearing and avoid contact with the rotating shaft (personnel protection). Clip-on design. Can be removed and replaced at will.

ISO dimensions

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

Series UCF - SUCF



For the codenumbers of the protection covers, O-rings and seals refer to pages 35-36

Shaft dia. d mm	Bearing type	Code		Dimensions in mm							Bore in frame Df min	Bearing	t	Weight Kg	Application characteristics
		Bearing		e	a	s	g	i	l	z					
PA FV polyamide housing / steel bearing															
25	UCF 205	64533		70	98	11	22,5	16,8	27,5	36,5	29	YAR 205 2F	49,5	0,44	<ul style="list-style-type: none"> • High mechanical and heat resistance • Positive sealing capacity against dust, non corrosive agents
30	UCF 206	60722		83	110	11	26	20	31,5	42,2	34	YAR 206 2F	55	0,57	
35	UCF 207	64058		92	120	11	26	19,5	32	45	39	YAR 207 2F	59	0,60	
40	UCF 208	68956		102	131	11	30	22	36	52,2	44	YAR 208 2F	65,5	0,95	
40*	SUCF 208	61719		83	110	11	26	19	36	52,2	44	YAR 208 2F	66	0,68	
PP FV polypropylene housing / stainless steel AISI 420 bearing															
25	UCF 205	699301		70	98	11	22,5	16,8	27,5	36,5	29	YAR 205 2RF/HV	49,5	0,44	<ul style="list-style-type: none"> • Positive sealing capacity against humidity, vapours, salty environments, slightly corrosive chemical agents
30	UCF 206	699361		83	110	11	26	20	31,5	42,2	34	YAR 206 2RF/HV	55	0,57	
35	UCF 207	604632		92	120	11	26	19,5	32	45	39	YAR 207 2RF/HV	59	0,60	
40	UCF 208	699391		102	131	11	30	22	36	52,2	44	YAR 208 2RF/HV	65,5	0,95	
40*	SUCF 208	604642		83	110	11	26	19	36	52,2	44	YAR 208 2RF/HV	66	0,68	

* = Special version. The distances between fixing holes are the same as for type UCF 206 (d 30).

YAR 2F - YAR 2RF/HV bearings

Shaft locking by grub screws
 • Superagriseal units plus centrifuging ring (steel version)
 • Superagriseal units plus rubberised centrifuging ring (stainless steel version)
 • Prelubricated with lithium / calcium grease
 • Can be relubricated
 • Self aligning within 2.5° max
 Dimensions and characteristics at page 38-39.

PA FV polyamide housing

Housing in reinforced polyamide PA FV resin (black)
 • Chrome alloy steel bearing
 • Ball type nickel plated brass greasing nipple
 • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

PP FV polypropylene housing

Housing in reinforced polypropylene PP FV resin (black)
 • Stainless steel AISI 420 bearing
 • Ball type stainless steel AISI 316 greasing nipple
 • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316

Protection cover

Covers are supplied without seals. To increase protection it is recommended to use them with O-Ring and seals unit (supplied separately).
 • Cover in reinforced polypropylene PP FV (orange)
 • Seals in NBR rubber (for PA FV support) / in Viton rubber (for PP FV support)
 • Different colours on request

Shaft dia. d mm	Bearing type	Bearing load (N)			Bearing unit max. static load (N)				Continuous operating temperature (°C)			
		Load coefficient		Max. axial load ²⁾	Fr ↓		Fr ↓		in air		in hot water	
		dynamic C	static Co		PAFV	PPFV	PAFV	PPFV	PAFV	PPFV	PAFV	PPFV
25	UCF 205	10800 (9150)	7800 (7800)	2160 (1830)	17000	12000	18000	10000				
30	UCF 206	15000 (12500)	11200 (11200)	3000 (2500)	17000	12000	18000	10000				
35	UCF 207	19600 (16600)	15300 (15300)	3920 (3320)	18000	12000	22000	12000	-20 a + 90	-20 a + 70	80	100
40	UCF 208	23600 (20000)	19000 (19000)	4720 (4000)	18000	12500	22000	12000				
40	SUCF 208	23600 (20000)	19000 (19000)	4720 (4000)	17000	12000	18000	10000				Do not use steam for cleaning

Bracketed figures refer to stainless steel bearings.

2) = The grub screws blocking method allows a maximum axial load of: 0,20 • C (with non hardened shafts and grub screws tightened with recommended torsion couples). The radial static loads Fr have been established in laboratory conditions on housings complete with bearings.



Accessories / page 34

- Quick coupler for remote lubrication
- Grease nipple cover

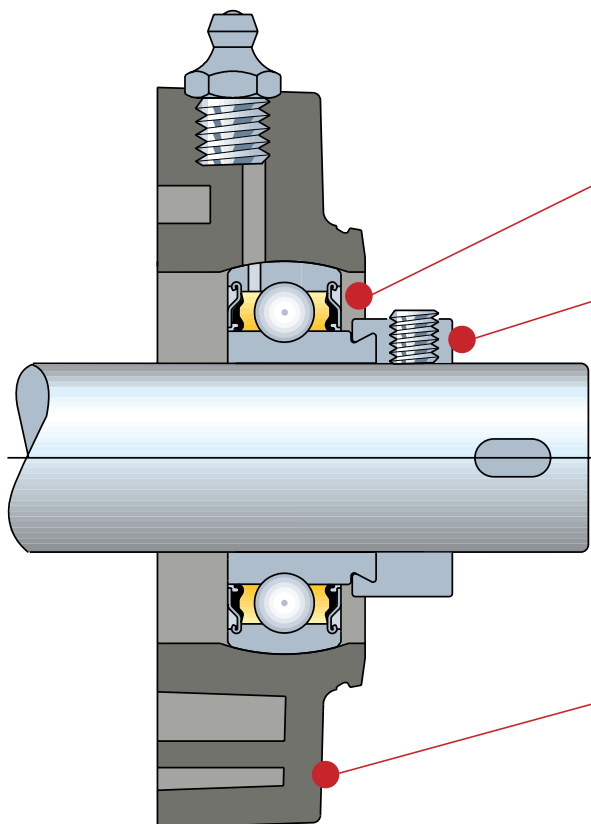


Spare parts / page 35-36

- Ball type grease nipple
- Closed or open protection cover
- Seals for protection cover



Protection cover
Optional



Moderate protection

The bearings feature Superagriseal unit plus centrifuging ring for guaranteed protection against dust and non corrosive agents.

Eccentric collar shaft locking

The bearing features a self aligning bearing locked into position by an eccentric collar. Improved resistance to vibrations. Single directional travel (cannot reverse rotation)

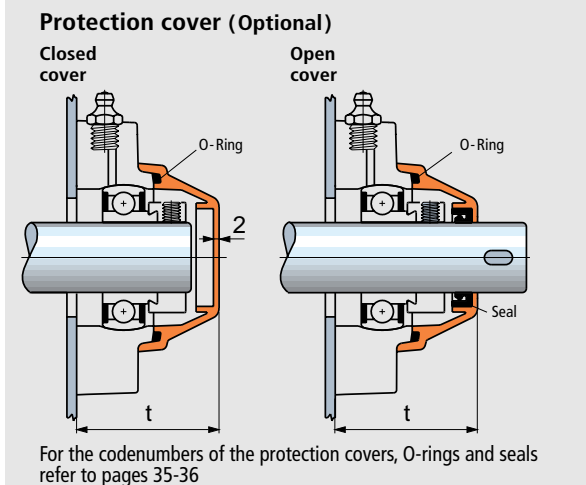
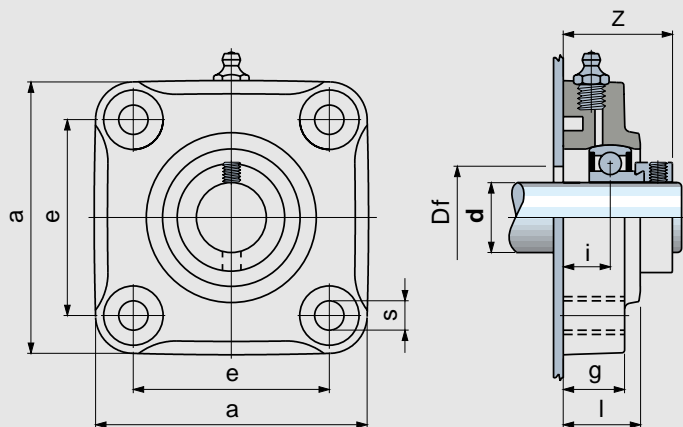
Protection cover

It is supplied as an **optional accessory**. They are available in the closed or open version, they protect the bearing and avoid contact with the rotating shaft (personnel protection). Clip-on design. Can be removed and replaced at will.

ISO dimensions

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

Series HCF - SHCF



For the codenumbers of the protection covers, O-rings and seals refer to pages 35-36

Shaft dia. d mm	Bearing type	Code Bearing	Dimensions in mm							Bore in frame Df min	Bearing	t	Weight Kg	Application characteristics
			e	a	s	g	i	l	z					
PA FV polyamide housing														
30	HCF 206	62329	83	110	11	26	19	36	45,7	34	YET 206 2	55	0,57	<ul style="list-style-type: none"> • High mechanical and heat resistance • Positive sealing capacity against dust, non corrosive agents
40*	SHCF 208	62349	83	110	11	26	19	36	51,7	44	YET 208 2	66	0,95	

* = Special version. The distances between fixing holes are the same as for type HCF 206 (d 30).

YET 2 Bearing

Chrome alloy steel • Eccentric collar shaft locking • Superagrisal unit • Prelubricated with lithium / calcium grease • Can be relubricated • Self aligning within 2.5° max
Dimensions and characteristics at page 38 - 39.

PA FV polyamide housing

Housing in reinforced polyamide PA FV resin (black)
• Ball type nickel plated brass greasing nipple
• Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

Protection cover

Covers are supplied without seals. To increase protection it is recommended to use them with O-Ring and seals unit (supplied separately).
• Cover in reinforced polypropylene PP FV (orange)
• Seals in NBR rubber (for PA FV support) / in Viton rubber (for PP FV support) • Different colours on request

Shaft dia. d mm	Bearing type	Bearing load (N)			Bearing unit max. static load (N)				Continuous operating temperature (°C)			
		Load coefficient		Max. axial load ²⁾	Fr ↓		Fr ↓		in air		in hot water	
		dynamic C	static Co		PA FV	PP FV	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV
30	HCF 206	15000	11200	3000	17000	12000	18000	10000	- 20 a + 90	- 20 a + 70	80	100
40	SHCF 208	23600	19000	4720	17000	12000	18000	10000			Do not use steam for cleaning	

2) = The grub screws blocking method allows a maximum axial load of: 0,20 • C (with non hardened shafts and grub screws tightened with recommended torsion couples). The radial static loads Fr have been established in laboratory conditions on housings complete with bearings.



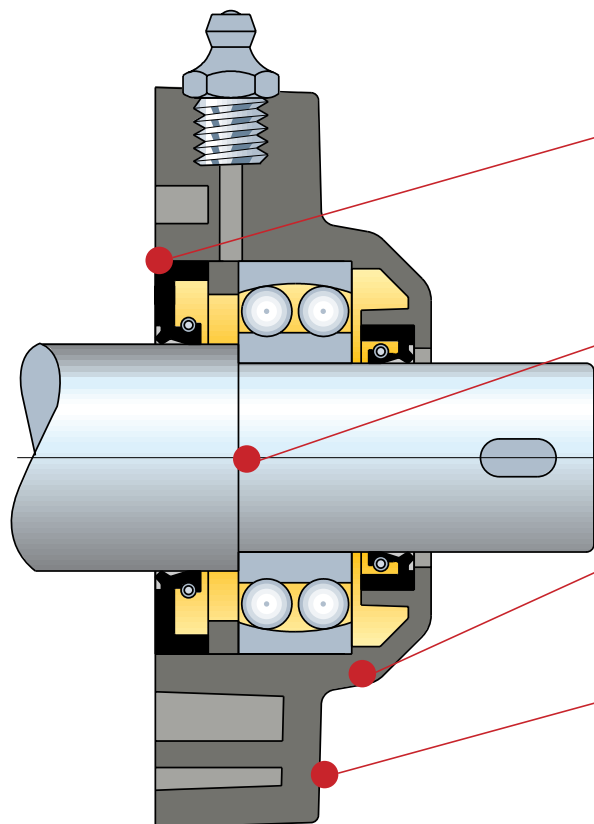
Accessories / page 34

- Quick coupler for remote lubrication
- Grease nipple cover



Spare parts / page 35-36

- Ball type grease nipple
- Closed or open protection cover
- Seals for protection cover



Waterproof housing

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

Shaft shoulders locking

The unit features a self aligning ball bearing held into position by the shaft shoulders

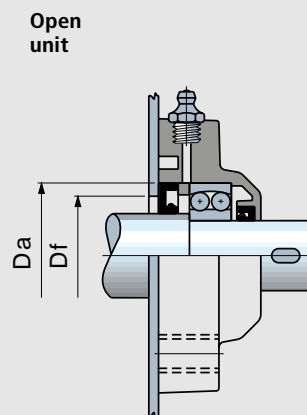
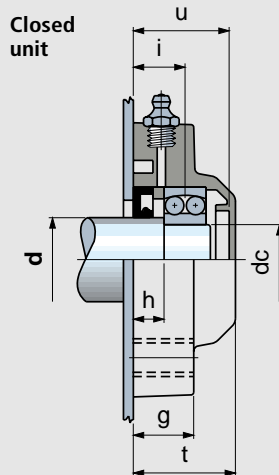
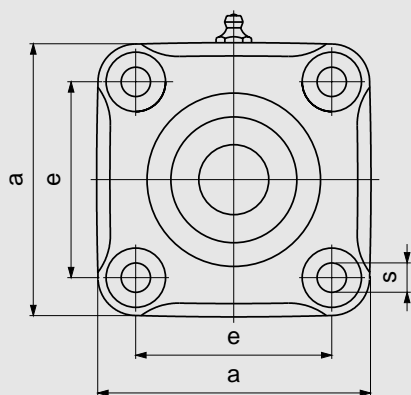
High axial load capacity

The shaft shoulders/flange allow higher axial load

ISO dimensions

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

Series F - SF



Shaft dia. d mm	Bearing housing dia. dc mm	Bearing type	Code		Dimensions in mm										Bore in frame ¹⁾ Df			Weight Kg	Application characteristics
			Closed unit	Open unit	e	a	s	g	i	h	u	t	Da	max	min	Bearing			
PA FV polyamide housing																			
30	25	F 1205	64433	64483	70	98	11	22,5	18,5	11	31,5	36,5	52	50	47	1205	0,36	<ul style="list-style-type: none"> • High mechanical and heat resistance • Proof to dust, humidity, washouts, steam, average aggressive chemical agents 	
35	30	F 1206	65811	65901	83	110	11	26	19	11	34	40	62	60	52	1206	0,53		
40	35	F 1207	63978	63988	92	120	11	26	19,5	11	37,5	39,5	72	70	60	1207	0,62		
45	40	F 1208	68876	68886	102	131	11	30	24,5	14	42	45	80	78	65	1208	0,85		
45*	40	SF 1208	69988	69998	83	110	11	26	19	14	36	39	80	78	65	1208	0,78		
PP FV polypropylene housing																			
30	25	F 1205	64463	64513	70	98	11	22,5	18,5	11	31,5	36,5	52	50	47	1205	0,36	<ul style="list-style-type: none"> • Proof to highly aggressive chemical agents 	
35	30	F 1206	62032	62062	83	110	11	26	19	11	34	40	62	60	52	1206	0,53		
40	35	F 1207	63998	64008	92	120	11	26	19,5	11	37,5	39,5	72	70	60	1207	0,62		
45	40	F 1208	68896	68906	102	131	11	30	24,5	14	42	45	80	78	65	1208	0,85		
45*	40	SF 1208	61619	61629	83	110	11	26	19	14	36	39	80	78	65	1208	0,78		

* = Special version. The distances between fixing holes are the same as for type F 1206 (d 35).

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

1200 series bearing

Chrome alloy steel • Self aligning ball bearing
 • Supplied without grease • To be prelubricated with lithium / calcium grease during first installation
 • Selfaligning within 2°
 Dimensions and characteristics at page 39.

PA FV polyamide housing

Housing in reinforced polyamide PA FV resin (black)
 • Seal in NBR rubber • Ball type nickel plated brass greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 304

PP FV polypropylene housing

Housing in reinforced polypropylene PP FV resin (black)
 • Seal in Viton rubber • Ball type stainless steel AISI 316 greasing nipple • Reinforcing bushings on mounting holes and washers in stainless steel AISI 316

Shaft dia. d mm	Bearing housing dia. dc mm	Bearing type	Bearing load (N)		Bearing unit max. static load (N)					Continuous operating temperature (°C)				
			Load coefficient		Fr		Fr		Fa	in air		in hot water		
			dynamic C	static Co	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV	PA FV	PP FV
30	25	F 1205	14300	4000	19000	14000	15000	12000	7000	5000				
35	30	F 1206	15600	4650	19000	14000	15000	12000	16000	9000				
40	35	F 1207	19000	6000	19000	15000	15000	12000	17000	12000	- 20 a + 90	- 20 a + 70	80	100
45	40	F 1208	19900	6950	20000	15000	16000	12500	17000	12000				
45	40	SF 1208	19900	6950	19000	14000	15000	12000	16000	9000				Do not use steam for cleaning

The radial static loads Fr and the axial static loads Fa have been established in laboratory conditions on housings complete with bearings.



Accessories / page 34

- Quick coupler for remote lubrication
- Grease nipple cover



Spare parts / page 35-36

- Ball type grease nipple
- Sealing ring (opposite side to protection cover)