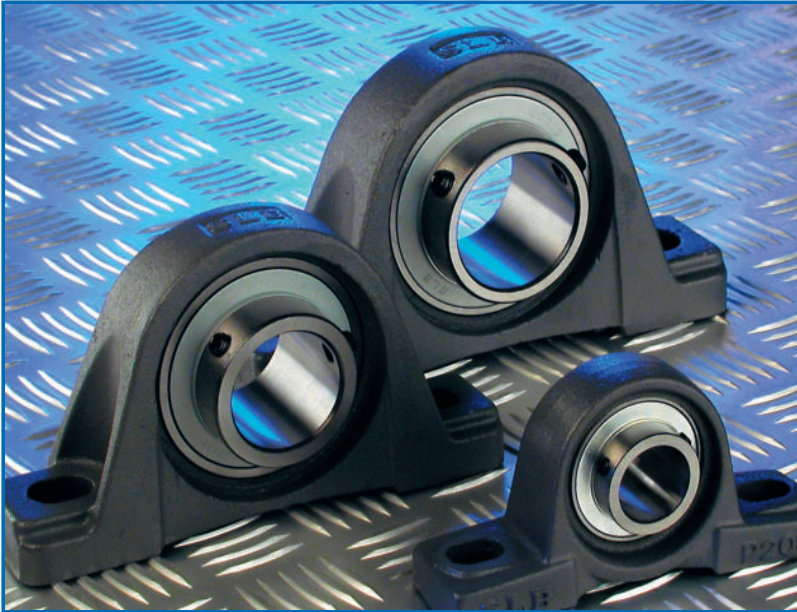




BEARINGS

# Pillow blocks



# Pillow blocks

## Feature

The spherical outside surface ball bearings of MTK are deep groove ball bearings with wide and narrow inner rings, consisting of insert bearings ( SA200, SB200, UC200, UEL200, UK200, UCX00 and UC300) and various housings. The types of bearing units are defined according to the different mounting methods of the bearings to shafts : the set-screws type, the adapter type, the ac-centric locking collar type.

The MTK housings are mainly casting housings. There are pressed steel plate housings as well align with ease during operation and can be conveniently mounted or dismounted.

The bearing units can operate satisfactorily under working conditions, especially for machines operating in dusty or muddy surroundings. Thus, they are widely used in agricultural, construction and transmission machineries, etc.

There are various types of sealing devices for our products, such as synthetic rubber seals, slinger with synthetic rubber seals and triple lip seals etc..

Sufficient lubricating grease has been put into the bearings during manufacturing, which can act as lubricating as well as rust proof. No more grease is needed to put in during the lubricating period when the bearings operate under normal conditions. Lubricating grease can be added from the fittings when the reubricate bearings operate under hard conditions.

The outer ring of the bearing, has spherical outside surface which can be fitted to the concave spherical surface of the housing, and the fit between them can be clearance fit or interference fit according to different conditions. This combination provides self-alignment between the self-contained bearing and the housing, and compensates for a certain alignment errors or flexing of the shaft when the bearing is in operation. This definitely increases the bearing service life

surface ball bearings during manufacturing.

**Physical chemical properties of lubricating grease**  
**Table 1**

<b>Density</b> 1/mm	Without operation	268
	Operated 60 times	260
<b>Dropping point</b> °C		128
<b>Mechanical impurities</b> pc/gr	10-25 μm	within 1000
	25-75 μm above 75 μm	within 500 0
<b>Base oil kinematical viscosity 40° cst</b>		80,3

The bearings usually operate below the temperature of 120°C (the measuring temperature of the outer rings is 100°C). Grease life reduction has to be taken into account when the bearing continues to operate at a temperature above 70°C. The lowest operating temperature should not be lower than -30°C.

The permissible speed of rotations is connected with the fit between shaft and bearing. It is recommended that, under normal operating conditions, the fit between the bearing and the shaft is h7. Looser fit allowing lower speed is recommended when heavier load is applied.

## Lubrication

The Spherical Outside Surface Ball Bearings of MTK generally use CG-2 rust proof lithium based lubricating grease, with physical chemical properties shown in the following table 1. Grease is filled in the spherical outside

# Tolerance for bearing units

## Tolerances on inner rings of bearing with cylindrical bore Unit: 0.001 mm

Table 2

Nominal bore diameter		Cylindrical bore bore diameter				width		Radial run-out
d over	incl.	dm deviations high	low	d deviations high	low	Bi deviations high	low	max.
mm								
10	18	+18	0	+22	-4	0	-120	12
18	30	+21	0	+25	-4	0	-120	15
30	50	+25	0	+30	-5	0	-120	18
50	80	+30	0	+36	-6	0	-150	22
80	120	+35	0	+42	-7	0	-200	28
120	150	+40	0	+48	-8	0	-250	35

Note: dm is defined as the arithmetical mean of the largest and smallest diameter obtained by two-point measurements.

## Tolerances on inner rings of bearings with tapered bore Unit: 0.001 mm

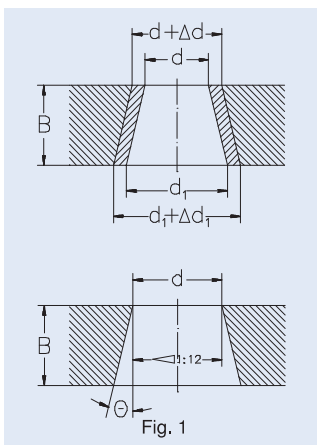
Table 3

Nominal bore diameter		$\Delta d$		$\Delta d_1 + \Delta d$	
d over	incl.	deviations high	low	max.	min.
mm					
18	30	+33	0	+21	0
30	50	+39	0	+25	0
50	80	+46	0	+30	0
80	120	+54	0	+35	0
120	150	+63	0	+40	0

Note: The deviations from nominal taper are defined by the limits of  $(\Delta d_1 + \Delta d)$ , where  $(\Delta d_1)$  is actual deviations of  $d_1$  from nominal diameter at the largest end of bore and  $\Delta d$  is actual deviation of  $d$  from bearing bore nominal diameter.

$d_1$  is obtained by the following formula:  $d_1 = d + 0.083333 B$ , where  $B$  is width of the bearing inner ring.  
The nominal taper angle =  $2'23.9,4''$ .

Please refer to the figures 1.



## Tolerances on outer ring Unit: 0.001 mm

Table 4

Nominal bore diameter		Dm		Radial run-out
D over	incl.	deviations high	low	max.
mm				
40	50	0	-11	20
50	80	0	-13	25
80	120	0	-15	35
120	150	0	-18	40
150	160	0	-25	45

Note: Dm is defined as the arithmetical means of the largest and the smallest diameter obtained by two-point measurement.

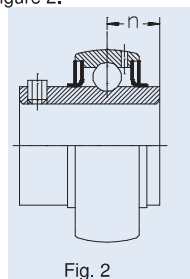
The low deviation of outside diameter Dm does not apply within the distance of 1/4 the width of outer ring from the sides.

## Tolerance for distance 'h' between the radial plane passing through center of outer ring and a side of inner ring Unit: 0.001 mm

Table 5

Nominal bore diameter		n deviations
d over	incl.	
mm		
40	50	± 200
50	80	± 250
80	120	± 300
120	160	± 350

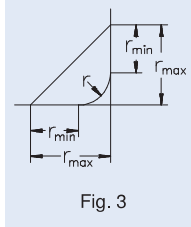
Please refer to figure 2.



### Chamfer dimensions

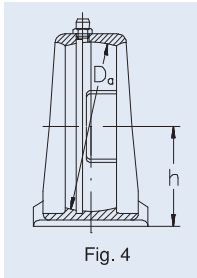
Nominal dimensions	r	
	max.	min.
r		
mm		
1	1.5	0.6
1.5	2	1
2	2.5	1.5
2.5	3	2
3	3.5	2.5
3.5	4	3
4	4.5	3.5
5	6	4

Please refer to fig. 3.



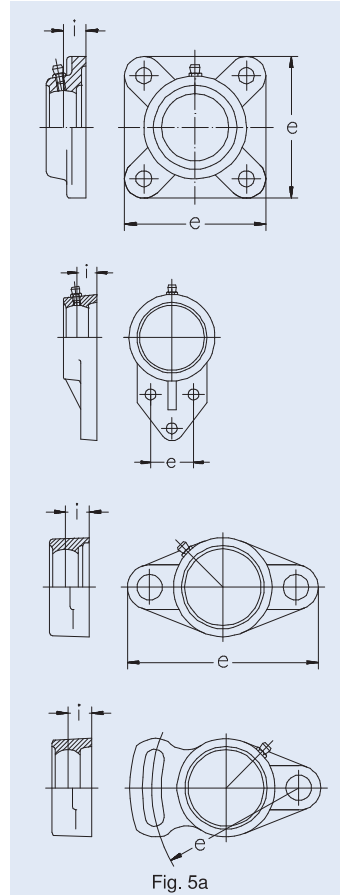
### Center height tolerances for pillow block type housings

Please refer to below figures 4 and table 7



### Tolerances for flanged type housings (F, FS, FL, FT, FA, FB, FC)

Please refer below figures 5a, 5b and table 8a, 8b.



### Tolerances for flanged type housings (F, FS, FL, FT, FA, FB,)

#### Center height tolerances for pillow block type housings

Unit: 0.001 mm

Housing number

						Table 7
						h
						deviations
P203			AK204	PA203		
P204			AK205	PA204	PH204	
P205		P305	AK206	PA205	PH205	
P206	PX05	P306	AK207	PA206	PH206	± 150
P207	PX06	P307	AK208	PA207	PH207	
P208	PX07	P308	AK209	PA208	PH208	
P209	PX08	P309	AK210	PA209	PH209	
P210	PX09	P310	AK211	PA210	PH210	
P211	PX10	P311	AK212			
P212	PX11	P312	AK213	PA211	PH211	
P213	PX12	P313	AK214	PA212	PH212	
P214	PX13	P314	AK215	PA213	PH213	
P215	PX14	P315			PH214	
P216	PX15	P316			PH215	± 200
P217	PX16				PH216	
P218						

Unit: 0.001 mm

Table 8a

Housing number								e deviations	i deviations
F204		FL204		FT204	FS204	FA204	FB204	± 700	± 500
F205	F305	FL205	FL305	FT205	FS205	FA205	FB205		
F206	F306	FL206	FL306	FT206	FS206	FA206	FB206		
F207	F307	FL207	FL307	FT207	FS207	FA207	FB207		
F208	F308	FL208	FL308	FT208	FS208	FA208	FB208		
F209	F309	FL209	FL309	FT209	FS209	FA209	FB209		
F210	F310	FL210	FL310	FT210	FS210	FA210	FB210		
F211	F311	FL211	FL311	FT211	FS211	FA211	FB211		
F212	F312	FL212	FL312	FT212	FS212	FA212	FB212		
F213	F313	FL213	FL313	FT213	FS213	FA213	FB213		
F214	F314	FL214	FL314	FT214	FS214			± 1000	± 800
F215	F315	FL215	FL315		FS215				
F216		FL216							
F217		FL217							
F218		FL218							

**Tolerance for take-up type housing (T,ST)**

Please refer to below figure 6 and table 9a, 9b.

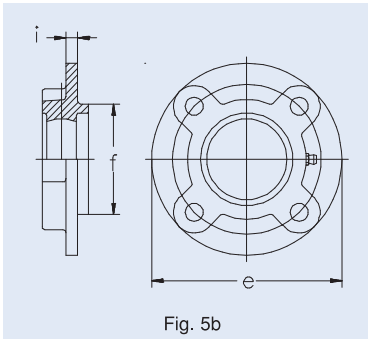


Fig. 5b

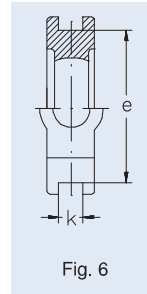


Fig. 6

**Tolerance for flanged type housing (FC)**  
Unit: 0,001 mm

Housing number	f deviations		e deviations	i deviations	Radial run-out of machined pilot max
	high	low			
FC 204					
FC 205	0	-46			
FC 206					
FC 207			± 700	± 500	200
FC 208					
FC 209	0	-54			
FC 210					
FC 211					
FC 212					
FC 213					
FC 214					
FC 215	0	-63	± 1000	± 800	300
FC 216					
FC 217					
FC 218	0	-72			

Table 8b

**Tolerance for take-up type housing (T)**  
Unit: 0,001mm

Housing number	k deviations		e deviations	Parallelism of guide max.
	high	low		
T204	+200		0	500
T210	0		- 500	
T211	+300		0	600
T217	0		- 800	

Table 9a

**Tolerance for take-up type housing (ST)**  
Unit:0.001mm

Housing number	k deviations	e deviations	Parallelism o guide max.
ST210	- 250		
ST211	+1000	± 250	600
ST215	- 250		

Table 9b

## Tolerance on spherical inside diameter Unit: 0,001mm

Table 10

Nominal spherical inside diameter		Symbol H7		Symbol J7		Dam		Da	
Da		Dam	deviations	Da	deviations	high	low	high	low
over	incl.	high	low	high	low				
mm									
30	50	+25	0	+30	-5	+14	-11	+19	-16
50	80	+30	0	+36	-6	+18	-12	+24	-18
80	120	+35	0	+42	-7	+22	-13	+29	-20
120	180	+40	0	+48	-8	+26	-14	+34	-22
180	250	+46	0	+55	-9	+30	-16	+39	-25

Note:  $D_{am} = (D_{a \max} + D_{a \min}) / 2$

$D_{a \max}$  - maximum measured value of  $D_a$

$D_{a \min}$  - minimum measured value of  $D_a$

Dimensional tolerances for spherical inside diameter of housing are classified as H7 for clearance fit and J7 for interference fit.

As the self - contained for bearings are equipped with locking-pin, clearance fit H7 is normally applied.

### Machining tolerances

Table 11

Nominal dimension		Dimensional tolerance
over	incl.	
mm		
4	16	± 0,2
16	63	± 0,3
63	250	± 0,5

### One side machining tolerances

Table 14

Nominal dimension		Dimensional tolerance
over	incl.	
mm		
up	5	± 1
5	100	± 1,5
100	200	± 2
200	400	± 3

### Casting tolerances on length

Table 12

Nominal dimension		Dimensional tolerance
over	incl.	
mm		
up	100	± 1,5
100	200	± 2,0
200	400	± 3,0
400	800	± 4,0

Note: Dimensional tolerances and deviations are for ordinary grade.;

Dimensional tolerances on length and thickness may be added with deviations on 'draft taper.

### Casting tolerances on thickness

Table 13

Nominal dimension		Dimensional tolerance
over	incl.	
mm		
up	5	± 1
5	10	± 1,5
10	20	± 2
20	30	± 3
30	50	± 3,5

## Radial internal clearance of bearings

The radial internal clearance of the bearing for the unit is the same as the value of ISO 5753, the internal radial clearance for the spherical outside surface ball bearing is usually greater than that for the same size of deep groove ball bearing. The clearance for the cylindrical bore bearing is shown in table 15 while the clearance for the tapered bore bearing is shown in table 16.

**Radial internal clearance of cylindrical bore bearings  
(with set-screws and eccentric locking collar)  
Unit: 0,001mm**

**Table 15**

Nominal bore diameter d over	incl.	Clearance symbol		normal		C3	
		C2		min.	max.	min.	max.
mm		min.	max.	min.	max.	min.	max.
10	18	3	18	10	25	18	33
18	24	5	20	12	28	20	36
24	30	5	20	12	28	23	41
30	40	6	20	13	33	28	46
40	50	6	23	14	36	30	51
50	65	8	28	18	43	38	61
65	80	10	30	20	51	46	71
80	100	12	36	24	58	53	84
100	120	15	41	28	66	61	97
120	140	18	48	33	88	71	114

**Radial internal clearance of tapered bore bearings (with adapter sleeve)  
Unit: 0,001mm**

**Table 16**

Nominal bore diameter d over	incl.	Clearance symbol		normal		c3	
		C2		min.	max.	min.	max.
mm		min.	max.	min.	max.	min.	max.
10	18	10	25	18	33	25	45
18	24	12	28	20	36	28	48
24	30	12	28	23	43	30	61
30	40	13	33	28	46	40	64
40	50	14	36	30	51	45	73
50	65	18	43	38	61	55	90
65	80	20	51	46	71	65	105
80	100	24	58	53	84	75	120
100	120	28	66	61	97	90	140
120	140	33	81	71	114	150	160

## Bearing Size selection

**The bearing size is usually selected according to the required life and reliability under a specific type of load charged on the spherical outside surface ball bearing**

The load applied to the bearing operating under static or slow oscillating and rotating ( $n < 10r/min$ ) condition is defined as static load, while the load applied to the bearing operating under a speedy rotating ( $n > 10r/min$ ) condition is defined as dynamic load.

The load capacity of the bearing is expressed by the basic dynamic load rating which is shown in the spherical outside surface ball bearing's table.

Under normal mounting, lubricating and maintaining conditions, the operating bearing will have fatigue flaking due to the repeating action of variable load charged on the contact area between the rings and rolling elements. Generally, the fatigue flaking is the cause of normal damage of rolling bearings. Therefore, the usual bearing

life refers to the bearing fatigue life. The life of group of apparently identical bearings operating under a considerable dispersion. For this reason, the bearing life is closely connected with the damaging probability or the reliability requirement.

The radial rating load of ball bearing with 90% reliability and 500 hours minimum life is shown in figure 7.

- Life:** The life of a rolling bearing is defined as the total number of revolution which the bearing is capable of enduring before the first evidence of fatigue flaking develops on any one rings or rolling elements.
- Reliability:** The reliability is the percentage of the bearings of a group of apparently identical bearings operating under identical conditions which can expect to attain or exceed a certain defined life. The reliability of individual bearings is the probability of the bearing to attain or exceed a defined life.
- Basic rating life:** For a group of apparently identical rolling bearings operating under identical

conditions, the basic rating life is defined as the total number of revolutions that 90% of the bearings can be expected to complete or exceed.

N - total revolution numbers within one load changing cycle, r

### Basic rating life

The fatigue rating life of spherical outside surface ball bearings is calculated by the following formula:

$$L_{10} = \left(\frac{C}{P}\right)^3, \text{ or } \frac{C}{P} = L_{10}^{1/3}$$

where:

- L<sub>10</sub> - basic rating life, 10<sup>6</sup>r
- P - basic dynamic load rating, N
- N - equivalent dynamic bearing load, N

The basic dynamic load rating C is a hypothetical constant load with a fixed direction under which the bearing can attain a basic life of one million revolutions theoretically. For radial bearings, the load refers to the radial load.

The equivalent dynamic bearing load P is a constant load with a fixed direction under which the bearing life is identical to that of the bearing operating under actual load.

For a bearing operating with a constant rotation speed, the basic rating life can be expressed in terms of operating hours:

$$L_{10h} = \frac{10^6}{60n} \left(\frac{C}{P}\right)^3 \text{ or } L_{10h} = \frac{10^6}{60n} L_{10} \text{ or } L_{10h} = \frac{16666}{n} \left(\frac{C}{P}\right)^3,$$

where:

- L<sub>10h</sub> - basic rating life, h
- n - bearing operating speed of rotation, r/min

For easier calculation, 500 hours as base of rating life is taken, and the speed factor f<sub>n</sub> and the life factor f<sub>h</sub> is introduced.

$$f_n = \left(\frac{331/3}{n}\right), \quad f_h = \left(\frac{L_{10h}}{500}\right)$$

In this, the formula is simplified to:

$$C = \frac{f_h}{f_n} P,$$

The values of f<sub>h</sub> and f<sub>n</sub> can be found in figure 7 by referring to the operation speed n and the anticipated bearing service life L<sub>10h</sub>. Then, with the radial load (or the equivalent dynamic bearing load), the basic dynamic load rating can be determined. By this way, the bearing size can be determined according to the basic dynamic load rating value in the spherical outside surface ball bearing's table. If the bearing operate under indeterminate loads and rotation speed, the following formula should be applied when calculating the bearing life:

$$P_m = \sqrt[3]{\frac{1}{N} \int_0^N P^3 dN}$$

where:

- P<sub>m</sub> - mean equivalent dynamic bearing load, N
- P - equivalent dynamic bearing load, N

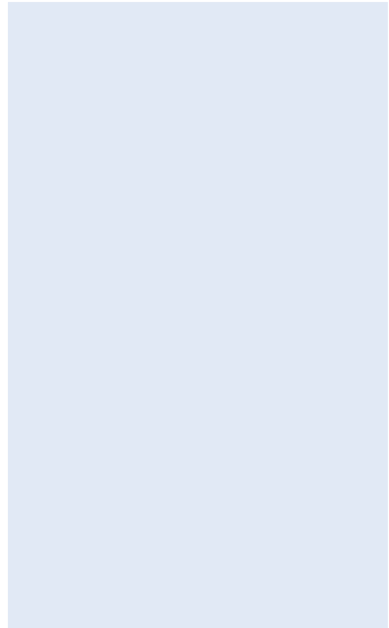


Fig. 7

### Anticipated bearing service life

When selecting a bearing, one should usually predetermine an appropriate service life according to the relevant machine type, operating condition and reliability requirement. Generally the anticipated bearing service life can be determined by referring to the maintenance period of a machine.

Calculating method of equivalent dynamic bearing load P.

The basic equivalent dynamic bearing load is determined under a hypothetical condition. When calculating the bearing life, the actual load has to be converted to dynamic bearing load which is in conformity with the load condition determining the dynamic load rating. General equation for calculating the equivalent dynamic bearing load:

$$P = X F_r + Y F_a,$$

where:

- P - equivalent dynamic bearing load, N
- F<sub>r</sub> - actual radial load, N
- F<sub>a</sub> - actual axial load, N
- X - radial factor
- Y - thrust factor



The values of X and Y are determined by the ratio between the applied axial load  $F_a$  and the basic static load rating  $C_0$ . The axial load which the spherical outside surface ball bearing can carry is determined by the mounting method of the bearing on the shaft.

For bearing of set-screw Locking type or eccentric Locking collar type, if flexible shafts are applied and the set-screws are tightened enough, the axial load  $F_a$  which the bearings can carry not surpass 20% of the radial load  $F_r$ .

For bearing of adapter sleeve Locking type, if the nut is properly tightened, the axial load  $F_a$  can be maximally 15% to 20% of the radial load.

The value of radial and thrust factors X and Y for spherical outside surface ball bearings can be obtained from the following Table 17.

When twist load is applied to the bearing, the equivalent dynamic bearing load is calculated by the following equation:

$$P_m = f_m P$$

where:

$P_m$  - equivalent dynamic bearing load when considering twist load

$f_m$  - twist load factor, which is defined as follows:  
 - when the twist load is small:  $f_m = 1,5$   
 - when the twist load is big:  $f_m = 2$

### Example of bearing size selection

When shocking load is applied to the bearing, the equivalent dynamic bearing load can be calculated by the following equation:

$$P_d = f_d P$$

where:

$P_d$  - equivalent dynamic bearing load when considering shocking load

$f_d$  - shocking load factor, which is defined as follows:  
 - when no shocking load or mirror shocking load is applied:  $f_d = 1-1,2$   
 - when adequate shocking load is applied:  $f_d = 1,2-1,8$

How to select the size of bearing:  
 one spherical outside surface ball bearings is to operate at a rotation speed of 1000r/min under only a radial load of  $F_r = 3000N$ , with a basic rating life of at least 20,000 hours.

Select the bearing size.

From the required rotation speed it can be found that:  $f_n = 0,322$  (figure 7 shows about 0,32, refer to page 357).

From the required basic rating life (anticipated service life), it can be found that:

$f_n = 3,42$  (figure 7 shows about 3,4, refer to page 357).

Under only radial load, i.e.

$$P = F_r = 3000 N$$

Therefore,

$$C = \sqrt[n]{\frac{h}{n}} P = \frac{3,42}{0,322} = 31,863 N$$

A simplified way to calculate the bearing life can be applied by using figure 8.

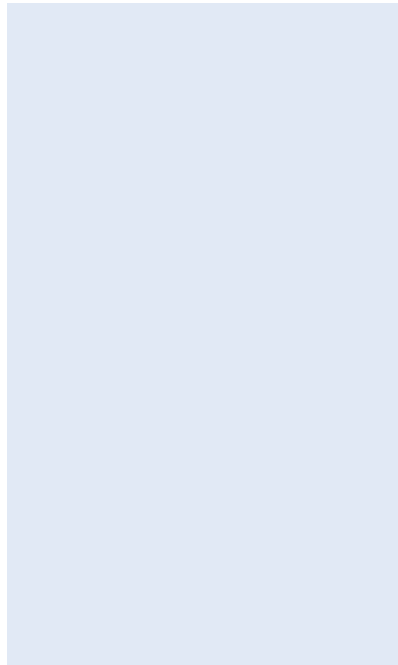


Fig. 8

Radial and thrust factors X and Y for spherical outside surface ball bearings

Table 17

Clearance for normal					Clearance for C3					
$\frac{F_a}{C_a}$	$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$		$\frac{F_a}{F_r} \leq e$	$\frac{F_a}{F_r} > e$		$\frac{F_a}{F_r} > e$		$e$
	X	Y	X	Y	X	Y	X	Y	X	Y
0,025	1	0	0,56	2	0,22	1	0	0,46	1,74	0,3
0,04	1	0	0,56	1,8	0,24	1	0	0,46	1,61	0,33
0,07	1	0	0,56	1,6	0,27	1	0	0,46	1,46	0,36
0,13	1	0	0,56	1,4	0,31	1	0	0,46	1,3	0,41
0,25	1	0	0,56	1,2	0,37	1	0	0,46	1,14	0,47
0,5	1	0	0,56	1	0,44	1	0	0,46	1	0,54

By connecting n and the required basic rating life  $L_{10h}$  with a straight line, it can be found that C/P value is 10,6. As is known,  $P = F_r = 3000N$ , thus the required basic dynamic load rating is:

$$C = 3000 \times 10,6 = 31,800, N$$

In this way, we can select the spherical outside surface ball bearings inside this catalogue (refer to pages 116-127).

### Adjusted rating life equation

The basic rating life  $L_{10}$  calculated with bearing life calculation formula can be applied to calculate the rating life of bearings made of ordinary bearing steel (i.e. bearing life with reliability of 90%)

Due to more and more of machinery products demanding higher reliability and better quality steel (ISO 281/1-1977), an adjusted rating life calculation equation is suggested, i.e.

$$L_n = a_1 a_2 a_3 L_{10}$$

For spherical outside surface ball bearing:

$$L_n = a_1 a_2 a_3 (C/P)^3$$

where

- $L_n$  under specified material and lubricating conditions, bearing life with (100-n)% no breaking probability (i.e. reliability).
- $a_1$  life adjustment factor for reliability (table 18)
- $a_2$  life adjustment factor materials (table 19)
- $a_3$  life adjustment factor for operating conditions (table 20)

### Life adjustment factor for reliability $a_1$

Table 18

Reability %	90	95	96	97	98	99
$L_n$	$L_{10}$	$L_5$	$L_4$	$L_3$	$L_2$	$L_1$
$a_1$	1	0,62	0,53	0,44	0,33	0,21

### Life adjustment factor for materials $a_2$

Table 19

Normal chromium bearing steel		$a_2 = 1$
Special melted bearing steel	Vacuum degassed bearing steel	$a_2 = 3$
	vacuum resmelted bearing steel	$a_2 = 5$
When material hardness lowered by high frequency tempering		$a_2 < 1$

### Life adjustment factor for operating conditions $a_3$

Table 20

When under normal operating conditions:		
-properly mounted		
-sufficiently lubricated		$a_3 = 1$
-without outside matters intrusion		
When under operating temperature, the spherical outside surface ball bearings lubricating grease viscosity lower than $13 \text{ mm}^2/\text{s}$		$a_3 < 1$

## Selection of shaft

The shaft on which bearing units are mounted shall be free from band and flexure.

For the units with cylindrical bore (with set-screws or eccentric locking collar) clearance fit is usually adopted for mounting the units on the shaft, and shaft tolerances in table 21 are recommended for such loose fit, but for high speed or highly accurate operation or such application which is accompanied by heavy shock loads, interference fit is to be adopted. Table 22 shows recommended shaft tolerances for interference fit, when bearing units with eccentric locking collar are mounted on the shaft with interference fit, the eccentric locking collar may omitted.

Tapered bore bearings permit wider tolerances of the shaft since they are locked to the shaft by means of adapted sleeves.

Recommended shaft tolerances for tapered bore bearings listed in table 23.

### Shaft tolerances for clearance fit for bearing with cylindrical bore

Table 21

Shaft diameter over incl.	Deviation of tolerances in shaft				For rather high speed		For high speed		
	For lower speed h9		For medium speed h8		h7		J6		
mm	max.	min.	max.	min.	max.	min.	max.	min.	
10	18	0	-43	0	-27	0	-18	+8	-3
18	30	0	-52	0	-33	0	-21	+9	-4
30	50	0	-62	0	-39	0	-25	+11	-5
50	80	0	-74	0	-46	0	-30	+12	-7
80	120	0	-87	0	-54	0	-35	+13	-9
120	180	0	-100	0	-63	0	-40	+14	-11

### Shaft tolerance for interference fit for bearing with cylindrical bore

Table 22

Shaft diameter		Deviation of tolerances in shaft							
over	incl.	Higher speed m6		Rather heavy load m7		Highest load m6		Heavy load m7	
mm	mm	max.	min.	max.	min.	max.	min.	max.	min.
10	18	+18	+7	+25	+7	+23	+12	+30	+12
18	30	+21	+8	+29	+8	+28	+15	+36	+15
30	50	+25	+9	+34	+9	+33	+17	+42	+17
50	80	+30	+11	+41	+11	+39	+20	+50	+20
80	120	+35	+13	+48	+13	+45	+23	+58	+23
120	180	+40	+15	+55	+15	+52	+27	+67	+27

### Shaft tolerances for bearing with tapered bore

Table 23

Shaft diameter		Deviation of tolerances in shaft			
over	incl.	For shot shaft h9		For shot shaft h10	
mm	mm	max.	min.	max.	min.
10	18	0	-43	0	-70
18	30	0	-52	0	-84
30	50	0	-62	0	-100
50	80	0	-74	0	-120
80	120	0	-87	0	-140
120	180	0	-100	0	-160

## Mounting of bearing units on shaft

The bearing units can be easily installed in principle at any place. However, in order to have a long service life, it is desirable that the mounting base is flat and rigid.

In case of either the vibration is caused to the bearing, the alternating movement takes place, the load applied to the bearing is large, or the shaft rotation speed is rapid, it is desired to provide with the filed seat or concave section at the part where the set-screws contact with the shaft. If large thrust load is charged, it is recommended that joggling tightened with nuts be used to install the bearing most effectively to the shaft: as shown in figure 9.

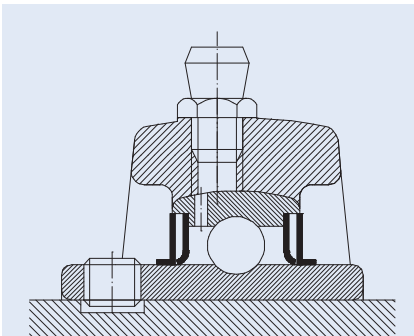


Fig. 9

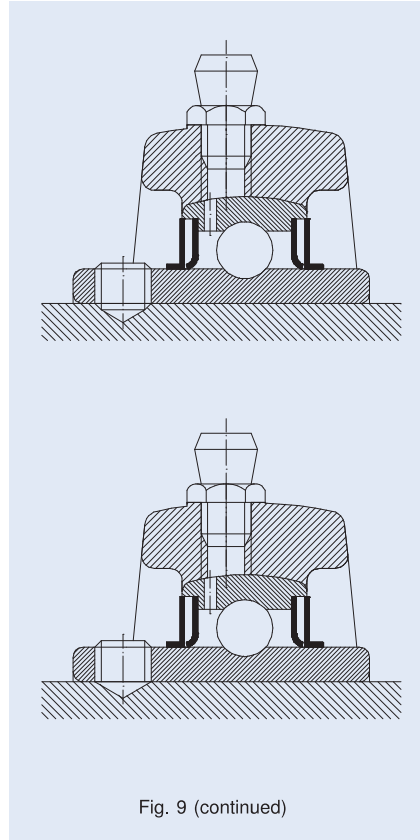


Fig. 9 (continued)

### Bearings units with adapter sleeve

Bearing unit with adapter sleeve permits wider shaft tolerance and can be used in applications where vibrations and shocks are heavy.

Mounting processes of these units as follows:

First, the sleeve is installed to an arbitrary position. After the shark proof washer is inserted, the nut is tightened. The proper nut tightening condition can be obtained if it

is tightened enough by hand and then rotated by 2/5 to 3/5 revolution with a spanner.

After tightening the nut, bend the shark proof washer within the slot. Otherwise, the nut may be loosened and creep may be caused between the shaft and sleeve. It is necessary the nut can not be tightened too much.

### Bearings units with eccentric locking collar

The eccentric part of the collar mates with the inner ring of the bearing which is made eccentric with the collar. When locked to the shaft by hand in direction of the shaft rotation, the eccentric locking collar tightens automatically to the shaft by force of working radial load. Then, lock the set-screws provided on the collar to fix the eccentric collar to the shaft. At the shaft rotation force or load is not charged on the set-screws directly, it will not loosen during operation.

## Bearings units with set-screws

There are two set- screws located at two places on one side of the wide inner ring 120 apart with which the bearing units can be mounted to the shaft. When mounting the bearing to the shaft, the torque shown in the following table 23 is recommended to tighten the set screws to shaft.

## The material for cast iron housing

The material of cast iron housing under ISO/DIS GG20, the mechanical properties please refer to table 25.

**Proper tightening torque of set-screws**

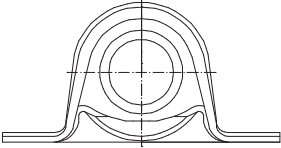
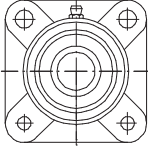
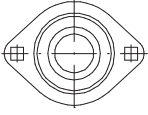
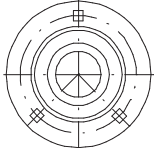
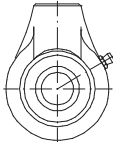
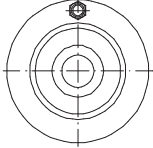
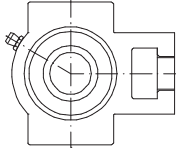
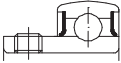
**Table 23**

Set-screws tap	Bearing type	Tightening torque	N.m	lbf.in
mm	inch			
M 5x0,8	No.10-32 UNF	SB 201 - SB 203, UC 201 - UC 203	3 - 3,5	28
M 6X1	1/4-28 UNF	SB 204 - SB 207, UC 204 - UC 206 SA 201 - SA 206, UEL201 - UEL 205 UC X05, UC 305 - UC306	3,5 - 4	30 - 35,4
M 8X1	5/16-24 UNF	SB 208, UC 207 - UC 209 SA 207 - SA 210, UEL 206 - UEL210 UC X06 - UC X08, UC 307	8,0 - 8,5	69 - 73,5
M 10X1,25	3/8-24 UNF	UC 210 - UC 212 SA 211, UEL 211 - UEL 215 UC X09 - UC X11, UC308 - 309	16,5 - 17,5	144 - 152
M 12X1,25	7/16-20 UNF	UC 213 - UC 218 UC X12 - UC X16 UC 310 - UC 314	26,5 - 27,5	235 - 243
M 14X1,5	1/2-20 UNF	UC 315 - UC 316	33,5 - 34,5	296 - 304

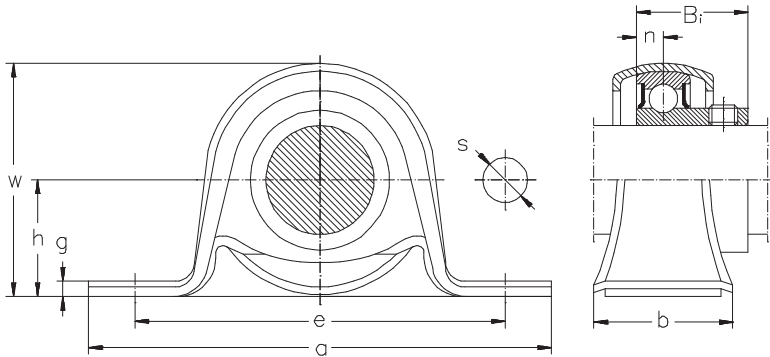
**The mechanical properties of cast iron housing**

**Table 25**

Number	Major wall thickness of casting piece	Strain stress	Hardness
	mm	N/mm <sup>2</sup>	HB
ISO/DIS GG20	2,5-10	220	
U.S.A Grade 35	>10-20	195	170 - 220
JIS FC20	>20-30	170	
	30-50	160	

Pillow block type	page 368	
Flanged units type	page 383	
Two bolts flanged units type	page 394	
Flanged cartridge units type	page 409	
Hanger units type	page 416	
Cylindrical cartridge units type	page 418	
Take up units type	page 421	
Insert bearings	page 428	

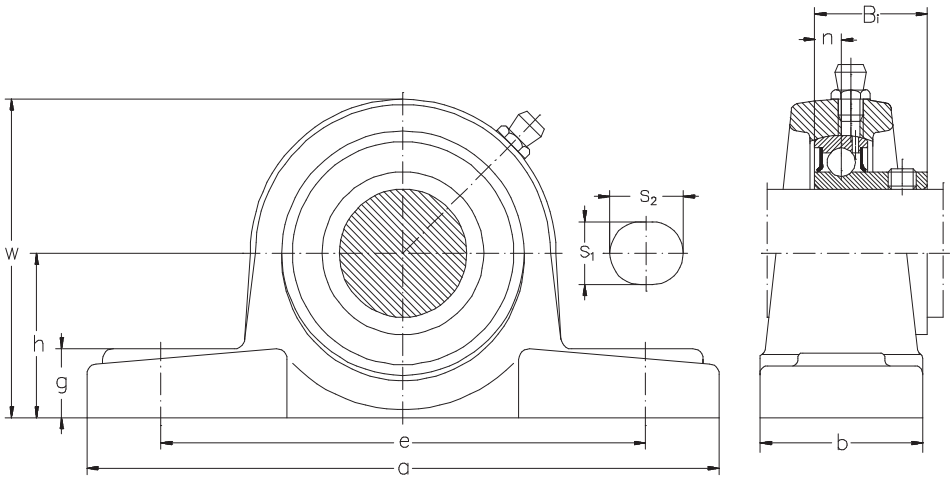
# Standard duty pillow blocks pressed steel housing set screws type



Shaft dia.	Nominal dimensions		e	b	s	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a												
mm	—													kg
12	22,2	86	68	25	9,5	3,2	43,8	22	6	M8	SBPP 201	SB 201	PP 203	0,17
15	22,2	86	68	25	9,5	3,2	43,8	22	6	M8	SBPP 202	SB 202	PP 203	0,16
17	22,2	86	68	25	9,5	3,2	43,8	22	6	M8	SBPP 203	SB 203	PP 203	0,15
20	25,4	98	76	32	9,5	3,2	50,5	25	7	M8	SBPP 204	SB 204	PP 204	0,22
25	28,6	108	86	32	11,5	4	56,6	27	7,5	M10	SBPP 205	SB 205	PP 205	0,31
30	33,3	117	95	38	11,5	4	66,3	29	8	M10	SBPP 206	SB 206	PP 206	0,45
35	39,7	129	106	42	11,5	4,6	78	32	8,5	M10	SBPP 207	SB 207	PP 207	0,61

Note: Inch sizes available on request.

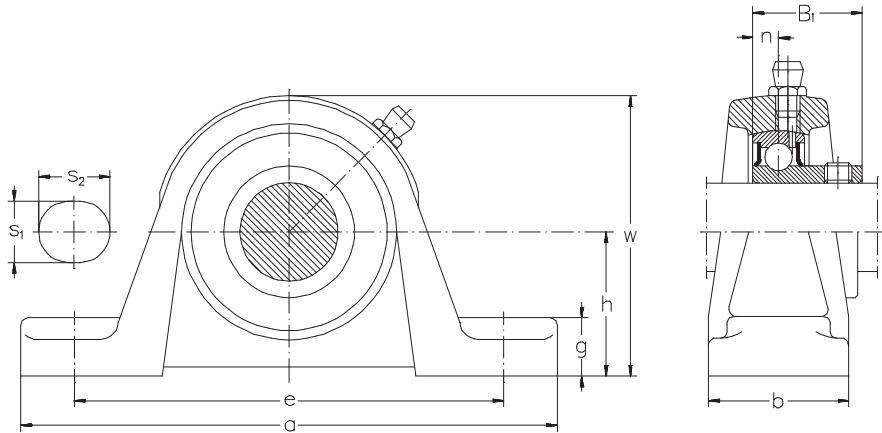
# Standard duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e												
mm	—														
20	31,8	128	98	38	11	14	14	63	25	7	M10	SBAK 204	SB 204	AK 204	0,70
25	33,3	140	105	40	11	14	15	66,5	27	7,5	M10	SBAK 205	SB 205	AK 205	0,81
30	39,7	160	121	44	14	19	17	79	29	8	M12	SBAK206	SB 206	AK 206	1,18
35	46	167	127	48	14	19	18	91	32	8,5	M12	SBAK 207	SB 207	AK 207	1,61
40	49,2	181	140	52	14	19	19	98	34	9,5	M12	SBAK 208	SB 208	AK 208	1,99

Note: Inch sizes available on request.

# Standard duty pillow blocks cast housing set screws type

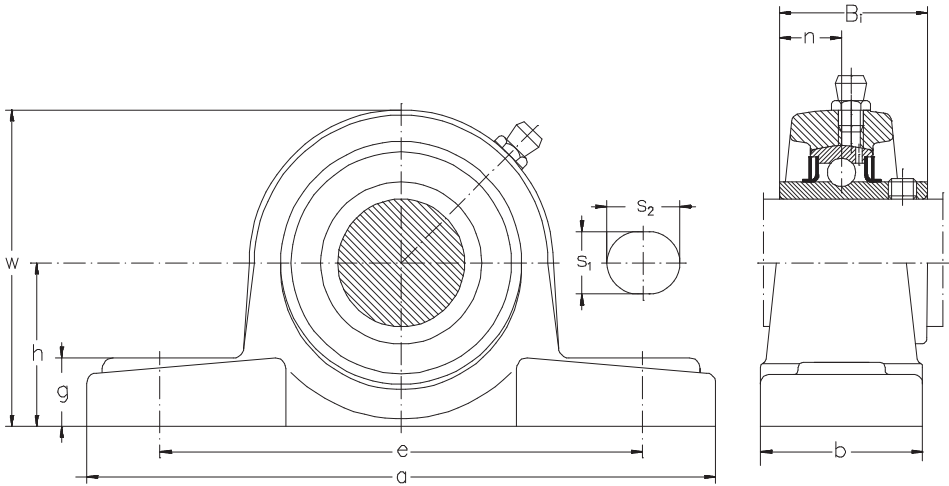


Shaft dia.	Nominal dimensions		e	b	s <sub>1</sub>	s <sub>2</sub>	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a													
mm	—														kg
20	33,3	127	96	35	13	16	14	65	25	7,0	M10	SBP 204	SB 204	P 204	0,62
25	36,5	140	105	36	13	19	15	71	27	7,5	M10	SBP 205	SB 205	P 205	0,73
30	42,9	160	121	42	14	19	16	84	29	8	M12	SBP 206	SB 206	P 206	1,16
35	47,6	167	127	45	15	19	17	94	32	8,5	M12	SBP 207	SB 207	P 207	1,46
40	49,2	180	137	49	15	21	18	100	34	9,5	M12	SBP 208	SB 208	P 208	1,74

Note: Inch sizes available on request.



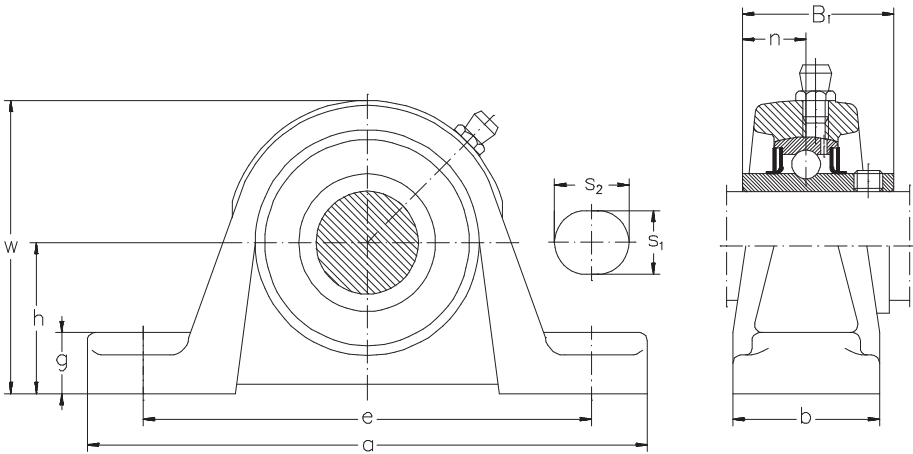
# Standard duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e												
20	31,8	128	98	38	11	14	14	63	31	12,7	M10	UCAK 204	UC 204	AK 204	0,74
25	33,3	140	105	40	11	14	15	66,5	34	14,3	M10	UCAK 205	UC 205	AK 205	0,85
30	39,7	160	121	44	14	19	17	79	38,1	15,9	M12	UCAK 206	UC 206	AK 206	1,24
35	46,0	167	127	48	14	19	18	91	42,9	17,5	M12	UCAK 207	UC 207	AK 207	1,70
40	49,2	181	140	52	14	19	19	98	49,2	19	M12	UCAK 208	UC 208	AK 208	2,13
45	52,4	189	146	54	14	19	20	105	49,2	19	M12	UCAK 209	UC 209	AK 209	2,39
50	55,6	203	159	57	17,5	21	21	111,5	51,6	19	M16	UCAK 210	UC 210	AK 210	2,83
55	61,9	232	181	60	18	24	23	123	55,6	22,2	M16	UCAK 211	UC 211	AK 211	3,85
60	68,3	241	191	64	18	24	25	136	65,1	25,4	M16	UCAK 212	UC 212	AK 212	4,92
65	74,6	262	203	70	21	28	27	147,5	65,1	25,4	M20	UCAK 213	UC 213	AK 213	6,13
70	77,8	266	210	74	21	28	28	153,5	74,6	30,2	M20	UCAK 214	UC 214	AK 214	6,90
75	82,6	304	241	78	22	32	30	162	77,8	33,3	M20	UCAK 215	UC 215	AK 215	8,56

Note: Inch sizes available on request.

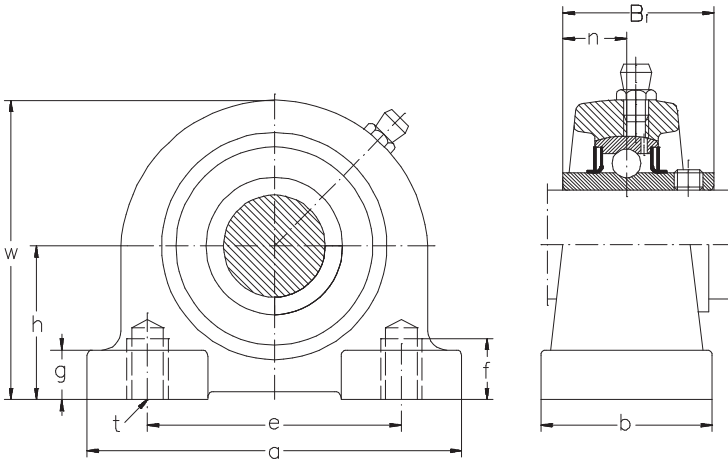
# Standard duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions		e	b	s <sub>1</sub>	s <sub>2</sub>	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
h	a	kg													
mm															
12	30,2	127	96	38	13	16	11	60,7	31	12,7	M10	UCP 201	UC 201	P 203	0,68
15	30,2	127	96	38	13	16	11	60,7	31	12,7	M10	UCP 202	UC 202	P 203	0,67
17	30,2	127	96	38	13	16	11	60,7	31	12,7	M10	UCP 203	UC 203	P 203	0,66
20	33,3	127	96	35	13	16	14	65,0	31	12,7	M10	UCP 204	UC 204	P 204	0,66
25	36,5	140	105	36	13	19	15	71,0	34	14,3	M10	UCP 205	UC 205	P 205	0,77
30	42,9	160	121	42	14	19	16	84,0	38,1	15,9	M12	UCP 206	UC 206	P 206	1,22
35	47,6	167	127	45	15	19	17	94,0	42,9	17,5	M12	UCP 207	UC 207	P 207	1,55
40	49,2	180	137	49	15	21	18	100,0	49,2	19	M12	UCP 208	UC 208	P 208	1,88
45	54	189	146	50	15	21	20	107,5	49,2	19	M12	UCP 209	UC 209	P 209	2,19
50	57,2	204	159	56	19	22	21	114,0	51,6	19	M16	UCP 210	UC 210	P 210	2,73
55	63,5	217	172	58	19	22	22	126	55,6	22,2	M16	UCP 211	UC 211	P 211	3,38
60	69,9	238	186	64	19	25	24	139	65,1	25,4	M16	UCP 212	UC 212	P 212	4,75
65	76,2	262	203	70	23	29	26	149	65,1	25,4	M20	UCP 213	UC 213	P 213	5,81
70	79,4	266	210	72	23	29	27	155	74,6	30,2	M20	UCP 214	UC 214	P 214	6,50
75	82,6	274	217	74	25	29	28	161,6	77,8	33,3	M20	UCP 215	UC 215	P 215	7,11
80	88,9	292	232	78	25	30	30	174	82,6	33,3	M20	UCP 216	UC 216	P 216	8,69
85	95,2	310	247	83	25	30	32	186	85,7	34,1	M20	UCP 217	UC 217	P 217	10,63
90	101,6	326	262	88	27	30	33	198	96	39,7	M22	UCP 218	UC 218	P 218	12,95

Note: Inch sizes available on request.

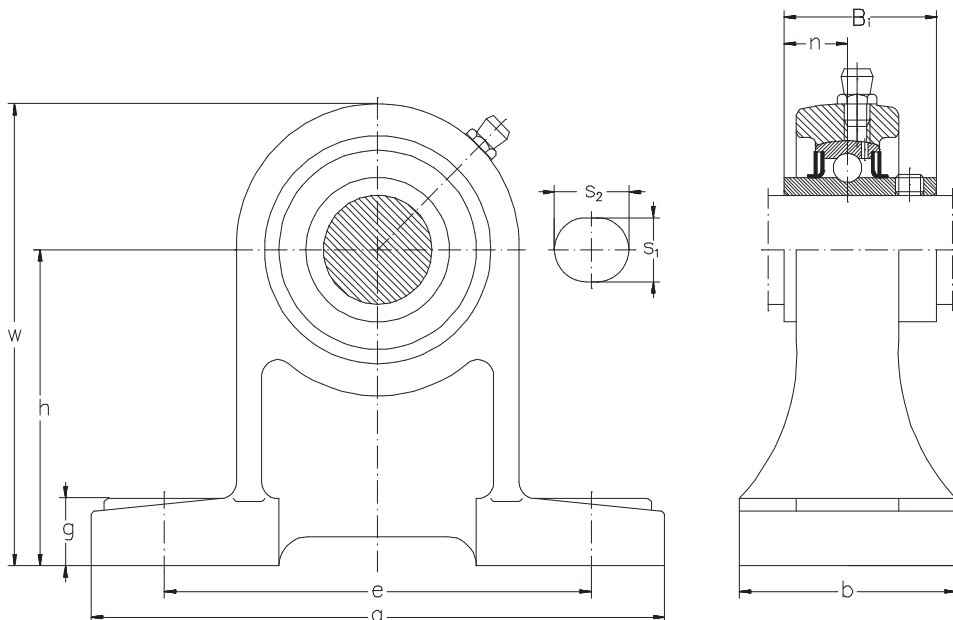
# Standard duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions										Bolt size	Unit number	Bearing number	Housing number	Weight
h	a	e	b	g	w	f	t	Bi	n						kg
mm											—				
12	30,2	76	52	40	11	62	13	M10	31	12,7	M10	UCPA 201	UC 201	PA 204	0,57
15	30,2	76	52	40	11	62	13	M10	31	12,7	M10	UCPA 202	UC 202	PA 204	0,56
17	30,2	76	52	40	11	62	13	M10	31	12,7	M10	UCPA 203	UC 203	PA 204	0,55
20	30,2	76	52	40	11	62	13	M10	31	12,7	M10	UCPA 204	UC 204	PA 204	0,53
25	36,5	84	56	38	12	72	15	M10	34	14,3	M10	UCPA 205	UC 205	PA 205	0,71
30	42,9	94	66	48	13	84	18	M14	38,1	15,9	M14	UCPA 206	UC 206	PA 206	1,07
35	47,6	110	80	48	13	95	20	M14	42,9	17,5	M14	UCPA 207	UC 207	PA 207	1,49
40	49,2	116	84	54	13	100	20	M14	49,2	19	M14	UCPA 208	UC 208	PA 208	1,75
45	54,2	120	90	60	13	108	25	M14	49,2	19	M14	UCPA 209	UC 209	PA 209	2,17
50	57,2	130	94	60	14	116	25	M16	51,6	19	M16	UCPA 210	UC 211	PA 210	2,53
55	63,5	140	104	66	14	125	25	M16	55,6	22,2	M16	UCPA 211	UC 211	PA 211	3,17
60	69,9	150	114	68	15	138	25	M16	65,1	25,4	M16	UCPA 212	UC 212	PA 212	4,17
65	76,2	160	124	70	15	150	25	M16	65,1	25,4	M16	UCPA 213	UC 213	PA 213	4,96

Note: Inch sizes available on request.

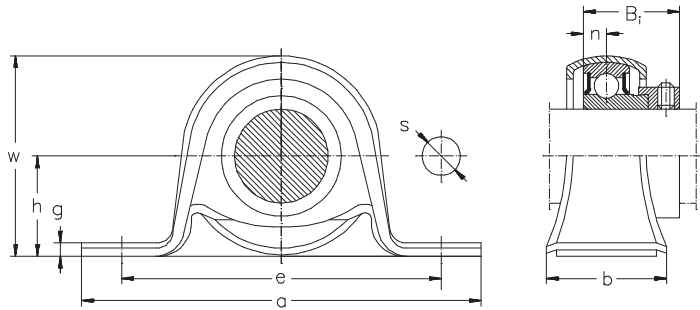
# Standard duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	Bolt size	Unit number	Bearing number	Housing number	Weight kg	
	h	a	e													
mm	—															kg
12	70	127	95	40	12	16	13	101	30	12,7	M10	UCPH 201	UC 201	PH 204	0,81	
15	70	127	95	40	12	16	13	101	30	12,7	M10	UCPH 202	UC 202	PH 204	0,80	
17	70	127	95	40	12	16	13	101	31	12,7	M10	UCPH 203	UC 203	PH 204	0,79	
20	70	127	95	40	12	16	13	101	31	12,7	M10	UCPH 204	UC 204	PH 204	0,77	
25	80	140	105	50	13	19	16	114	34	14,3	M10	UCPH 205	UC 205	PH 205	1,01	
30	90	165	121	50	17	21	18	130	38,1	15,9	M14	UCPH 206	UC 206	PH 206	1,56	
35	95	167	127	60	17	21	19	140	42,9	17,5	M14	UCPH 207	UC 207	PH 207	1,88	
40	100	184	137	66	17	21	20	150	49,2	19,0	M14	UCPH 208	UC 208	PH 208	2,44	
45	105	190	146	70	17	21	20	158	49,2	19,0	M14	UCPH 209	UC 209	PH 209	2,72	
50	110	204	159	70	19	22	22	165	51,6	19,0	M16	UCPH 210	UC 210	PH 210	3,08	
55	120	217	171	75	19	22	23	181	55,6	22,2	M16	UCPH 211	UC 211	PH 211	4,05	
60	130	236	186	80	19	22	24	197	65,1	25,4	M16	UCPH 212	UC 212	PH 212	4,78	
65	140	258	203	85	23	28	26	213	65,1	25,4	M20	UCPH 213	UC 213	PH 213	5,93	
70	150	266	210	90	23	28	27	227	74,6	30,2	M20	UCPH 214	UC 214	PH 214	6,99	
75	160	274	217	95	23	28	28	240	77,8	33,3	M20	UCPH 215	UC 215	PH 215	7,84	
80	170	290	232	100	24	28	30	256	82,6	33,3	M20	UCPH 216	UC 216	PH 216	9,13	

Note: Inch sizes available on request.

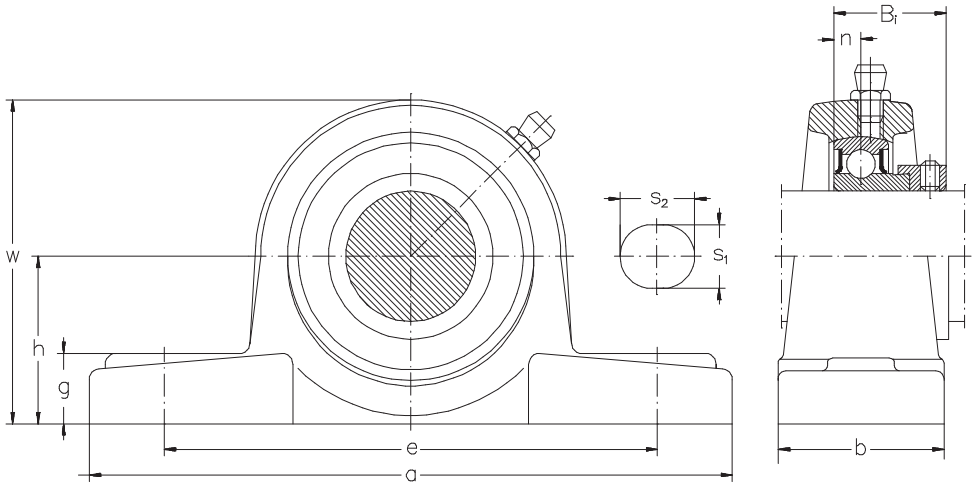
# Standard duty pillow blocks pressed steel housing eccentric locking collar type



Shaft dia.	Nominal dimensions		e	b	s	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
h	a	kg												
mm	—													kg
12	22,2	86	68	25	9,5	3,2	43,8	28,5	6	M8	SAPP 201	SA 201	PP 203	0,21
15	22,2	86	68	25	9,5	3,2	43,8	28,5	6	M8	SAPP 202	SA 202	PP 203	0,20
17	22,2	86	68	25	9,5	3,2	43,8	28,5	6	M8	SAPP 203	SA 203	PP 203	0,19
20	25,4	98	76	32	9,5	3,2	50,5	29,5	7	M8	SAPP 204	SA 204	PP 204	0,27
25	28,6	108	86	32	11,5	4	56,6	30,5	7,5	M10	SAPP 205	SA 205	PP 205	0,34
30	33,3	117	95	38	11,5	4	66,3	33,9	8	M10	SAPP 206	SA 206	PP 206	0,52
35	39,7	129	106	42	11,5	4,6	78	37,5	8,5	M10	SAPP 207	SA 207	PP 207	0,73

Note: Inch sizes available on request.

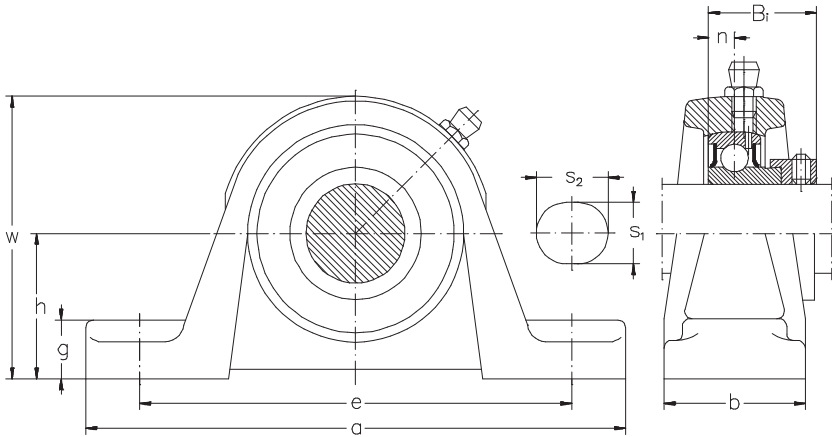
# Standard duty pillow blocks cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e												
20	31,8	128	98	38	11	14	14	63,0	29,5	7,0	M10	SAAK 204	SA 204	AK 204	0,75
25	33,3	140	105	40	11	14	15	66,5	30,5	7,5	M10	SAAK 205	SA 205	AK 205	0,84
30	39,7	160	121	44	14	19	17	79	33,9	8	M12	SAAK 206	SA 206	AK 206	1,25
35	46	167	127	48	14	19	18	91	37,5	8,5	M12	SAAK 207	SA 207	AK 207	1,73
40	49,2	181	140	52	14	19	19	98	40,5	9,5	M12	SAAK 208	SA 208	AK 208	2,14
45	52,4	189	146	54	14	19	20	105	42,2	10	M12	SAAK 209	SA 209	AK 209	2,40
50	55,6	203	159	57	17,5	21	21	111,5	43,7	10,5	M16	SAAK 210	SA 210	AK 210	2,83
55	61,9	232	181	60	18	24	23	123	48,4	11,5	M16	SAAK 211	SA 211	AK 211	3,60

Note: Inch sizes available on request.

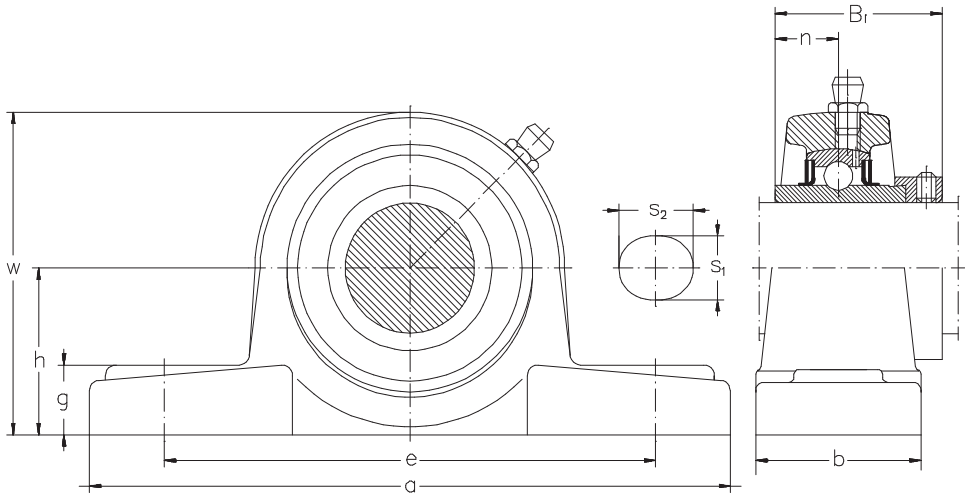
# Standard duty pillow blocks cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e												
20	33,3	127	96	35	13	16	14	65	29,5	7	M10	SAP 204	SA 204	P 204	0,67
25	36,5	140	105	36	13	19	15	71	30,5	7,5	M10	SAP 205	SA 205	P 205	0,76
30	42,9	160	121	42	14	19	16	84	33,9	8	M12	SAP 206	SA 206	P 206	1,23
35	47,6	167	127	45	15	19	17	94	37,5	8,5	M12	SAP 207	SA 207	P 207	1,58
40	49,2	180	137	49	15	21	18	100	40,5	9,5	M12	SAP 208	SA 208	P 208	1,89
45	54	189	146	50	15	21	20	107,5	42,2	10	M12	SAP 209	SA 209	P 209	2,20
50	57,2	204	159	56	19	22	21	114	43,7	10,5	M16	SAP 210	SA 210	P 210	2,73
55	63,5	217	172	58	19	22	22	126	48,4	11,5	M16	SAP 211	SA 211	P 211	3,13

Note: Inch sizes available on request.

# Standard duty pillow blocks cast housing eccentric locking collar type

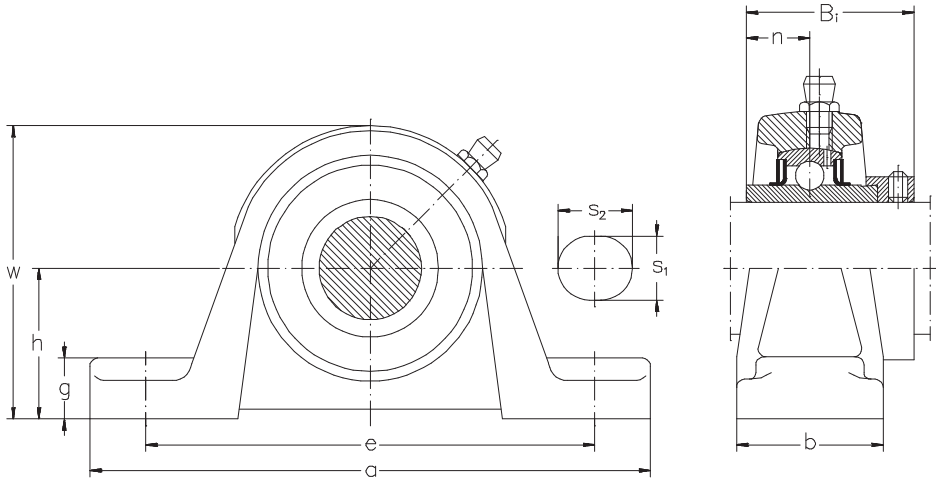


Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e												
20	31,8	128	98	38	11	14	14	63,0	43,5	17	M10	UELAK 204	UEL 204	AK 204	0,79
25	33,3	140	105	40	11	14	15	66,5	44,3	17,4	M10	UELAK 205	UEL 205	AK 205	0,89
30	39,7	160	121	44	14	19	17	79,0	48,3	18,2	M12	UELAK 206	UEL 206	AK 206	1,33
35	46,0	167	127	48	14	19	18	91,0	51,1	18,8	M12	UELAK 207	UEL 207	AK 207	1,83
40	49,2	181	140	52	14	19	19	98,0	56,3	21,4	M12	UELAK 208	UEL 208	AK 208	2,27
45	52,4	189	146	54	14	19	20	105,0	56,3	21,4	M12	UELAK 209	UEL 209	AK 209	2,56
50	55,6	203	159	57	17,5	21	21	111,5	62,7	24,6	M16	UELAK 210	UEL 210	AK 210	3,04
55	61,9	232	181	60	18	24	23	123	71,3	27,7	M16	UELAK 211	UEL 211	AK 211	4,12
60	68,3	241	191	64	18	24	25	136	77,7	30,9	M16	UELAK 212	UEL 212	AK 212	5,26
65	74,6	262	203	70	21	28	27	147,5	85,7	34,1	M20	UELAK 213	UEL 213	AK 213	6,68
70	77,8	266	210	74	21	28	28	153,5	85,7	34,1	M20	UELAK 214	UEL 214	AK 214	7,42
75	82,6	304	241	78	21	32	30	162	92,1	37,3	M20	UELAK 215	UEL 215	AK 215	9,19

Note: Inch sizes available on request.



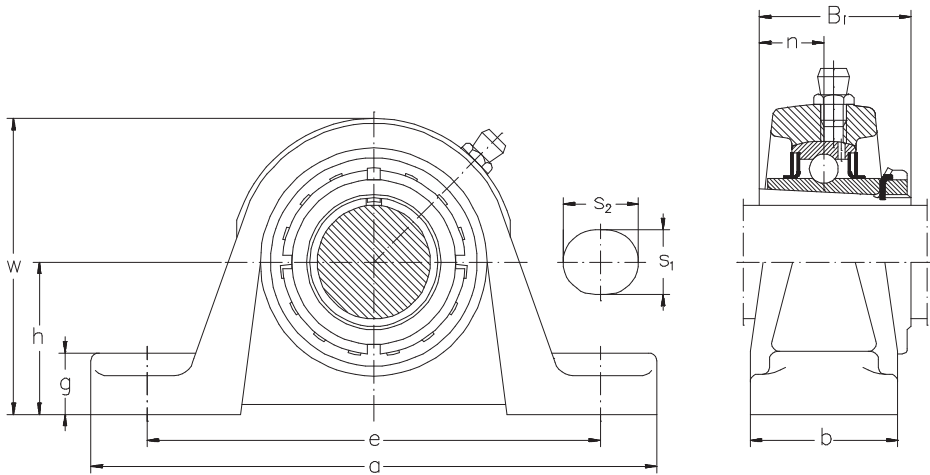
# Standard duty pillow blocks cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions			Bolt size	Unit number	Bearing number	Housing number	Weight						
h	a	e	b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n	—	kg			
mm											—	kg		
12	30,2	127	96	38	13	16	11	60,7	43,5	17,0	M10	UELP 201	UEL 201 P 203	0,74
15	30,2	127	96	38	13	16	11	60,7	43,5	17,0	M10	UELP 202	UEL 202 P 203	0,72
17	30,2	127	96	38	13	16	11	60,7	43,5	17,0	M10	UELP 203	UEL 203 P 203	0,71
20	33,3	127	96	35	13	16	14	65,0	43,5	17,0	M10	UELP 204	UEL 204 P 204	0,71
25	36,5	140	105	36	13	19	15	71,0	44,3	17,4	M10	UELP 205	UEL 205 P 205	0,81
30	42,9	160	121	42	14	19	16	84,0	48,3	18,2	M12	UELP 206	UEL 206 P 206	1,31
35	47,6	167	127	45	15	19	17	94,0	51,1	18,8	M12	UELP 207	UEL 207 P 207	1,68
40	49,2	180	137	49	15	21	18	100,0	56,3	21,4	M12	UELP 208	UEL 208 P 208	2,02
45	54	189	146	50	15	21	20	107,5	56,3	21,4	M12	UELP 209	UEL 209 P 209	2,36
50	57,2	204	159	56	19	22	21	114,0	62,7	24,6	M16	UELP 210	UEL 210 P 210	2,94
55	63,5	217	172	58	19	22	22	126	71,3	27,7	M16	UELP 211	UEL 211 P 211	3,59
60	69,9	238	186	64	19	25	24	139	77,7	30,9	M16	UELP 212	UEL 212 P 212	4,95
65	76,2	262	203	70	23	29	26	149	85,7	34,1	M20	UELP 213	UEL 213 P 213	6,35
70	79,4	266	210	72	23	29	27	155	85,7	34,1	M20	UELP 214	UEL 214 P 214	6,95
75	82,6	274	217	74	25	29	28	161,6	92,1	37,3	M20	UELP 215	UEL 215 P 215	7,70

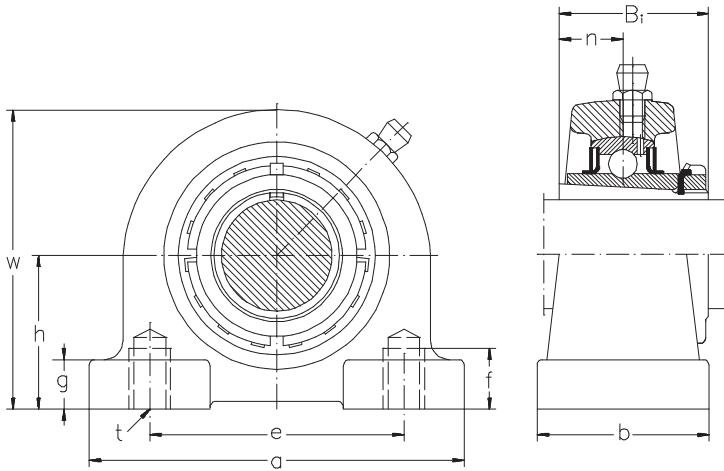
Note: Inch sizes available on request.

# Standard duty pillow blocks cast housing adapter type



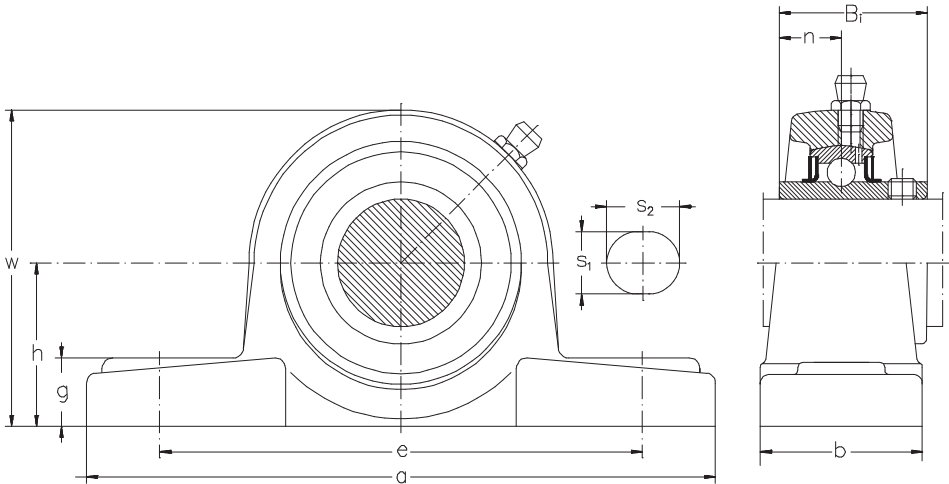
Shaft dia.	Nominal dimensions			b	s <sub>1</sub>	s <sub>2</sub>	g	w	Bi	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e											
20	36,5	140	105	36	13	19	15	71	35	M10	UKP 205	UK 205	P 205	0,71
25	42,9	160	121	42	14	19	16	84	38	M12	UKP 206	UK 206	P 206	1,15
30	47,6	167	127	45	15	19	17	94	43	M12	UKP 207	UK 207	P 207	1,45
35	49,2	180	137	49	15	21	18	100	46	M12	UKP 208	UK 208	P 208	1,72
40	54	189	146	50	15	21	20	107,5	50	M12	UKP 209	UK 209	P 209	2,04
45	57,2	204	159	56	19	22	21	114	55	M16	UKP 210	UK 210	P 210	2,52
50	63,5	217	172	58	19	22	22	126	59	M16	UKP 211	UK 211	P 211	3,03
55	69,9	238	186	64	19	25	24	139	62	M16	UKP 212	UK 212	P 212	4,25
60	76,2	262	203	70	23	29	26	149	65	M20	UKP 213	UK 213	P 213	5,31

# Standard duty pillow blocks cast housing adapter type



Shaft dia.	Nominal dia.	h	a	e	b	g	w	f	t	Bi	Bolt size	Unit number	Bearing number	Housing number	Weight
mm											—	kg			
20	36,5	84	56	38	12	72	15	M10	35	M10	UKPA 205	UK 205	PA 205	0,65	
25	42,9	94	66	48	13	84	18	M14	38	M14	UKPA 206	UK 206	PA 206	1,00	
30	47,6	110	80	48	13	95	20	M14	43	M14	UKPA 207	UK 207	PA 207	1,39	
35	49,2	116	84	54	13	100	20	M14	46	M14	UKPA 208	UK 208	PA 208	1,59	
40	54,2	120	90	60	13	108	25	M14	50	M14	UKPA 209	UK 209	PA 209	2,02	
45	57,2	130	94	60	14	116	25	M16	55	M16	UKPA 210	UK 210	PA 209	2,32	
50	63,5	140	104	66	14	125	25	M16	59	M16	UKPA 211	UK 211	PA 211	2,82	
55	69,9	150	114	68	15	138	25	M16	62	M16	UKPA 212	UK 212	PA 212	3,67	
60	76,2	160	124	70	15	150	25	M16	65	M16	UKPA 213	UK 213	PA 213	4,46	

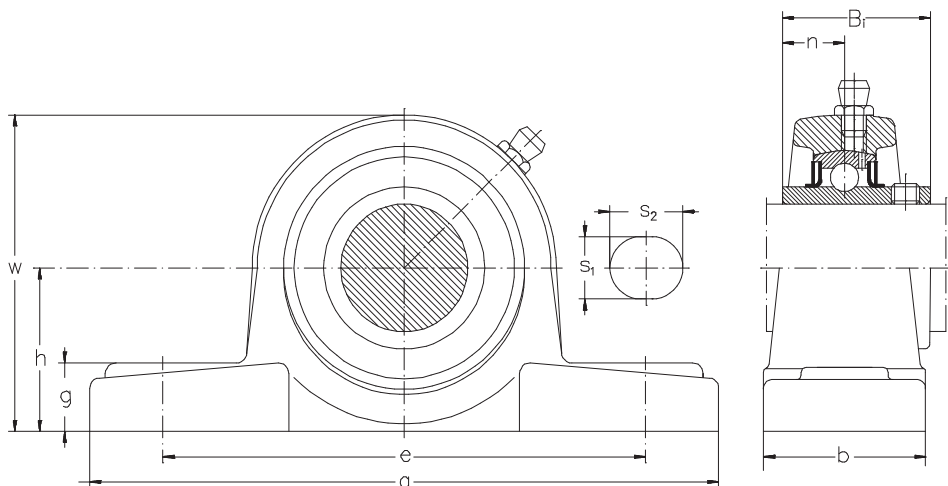
# Medium duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions		e	b	s <sub>1</sub>	s <sub>2</sub>	g	w	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a													
25	44,4	159	119	51	17	20	17	85	38,1	15,9	M14	UCP X05	UC X05	P X05	1,48
30	47,6	175	127	54	17	20	20	93	42,9	17,5	M14	UCP X06	UC X06	P X06	1,85
35	54	203	144	57	17	20	21	105	49,2	19	M14	UCP X07	UC X07	P X07	2,49
40	58,7	222	156	65	20	23	23	112	49,2	19	M16	UCP X08	UC X08	P X08	3,13
45	58,7	222	156	67	20	23	25	116	51,6	19	M16	UCP X09	UC X09	P X09	3,35
50	63,5	240	171	71	20	23	25	126	55,6	22,2	M16	UCP X10	UC X10	P X10	4,17
55	69,8	260	184	79	25	28	29	137	65,1	25,4	M20	UCP X11	UC X11	P X11	5,65
60	76,2	280	203	81	25	28	31	149	65,1	25,4	M20	UCP X12	UC X12	P X12	6,80
65	76,2	286	203	83	25	28	33	152	74,6	30,2	M20	UCP X13	UC X13	P X13	7,42
70	88,9	320	229	85	27	30	34	170	77,8	33,3	M22	UCP X14	UC X14	P X14	9,59
75	88,9	330	229	92	27	30	35	175	82,6	33,3	M22	UCP X15	UC X15	P X15	10,91
80	101,6	378	283	99	27	30	37	194	85,7	34,1	M22	UCP X16	UC X16	PX 16	15,09

Note: Inch sizes available on request.

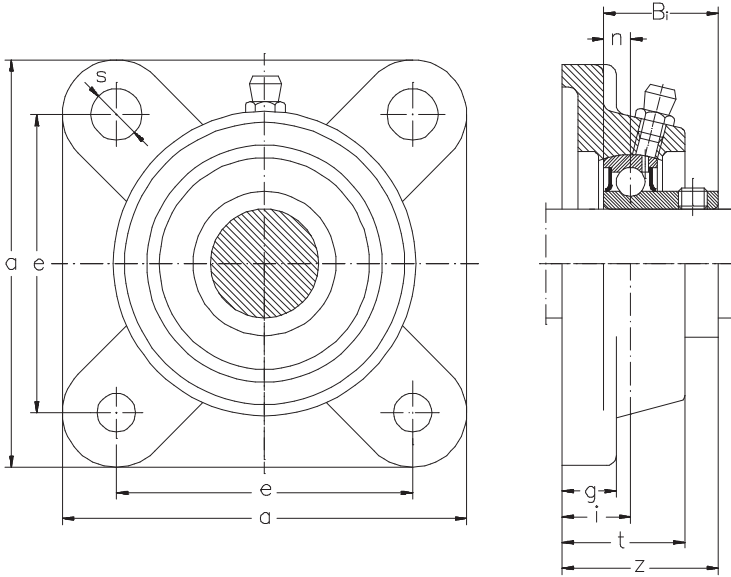
# Heavy duty pillow blocks cast housing set screws type



Shaft dia.	Nominal dimensions										Bolt size	Unit number	Bearing number	Housing number	Weight
	h	a	e	b	s <sub>1</sub>	s <sub>2</sub>	g	w	B <sub>i</sub>	n					
mm											—				kg
25	45	173	132	45	17	20	15	85	38	15	M14	UCP 305	UC 305	P 305	1,27
30	50	180	140	50	17	20	15	95	43	17	M14	UCP 306	UC 306	P 306	1,86
35	56	210	160	56	17	25	19	106	48	19	M14	UCP 307	UC 307	P 307	2,66
40	60	218	170	62	18	25	19	116	52	19	M14	UCP 308	UC 308	P 308	3,37
45	67	244	190	66	20	26	23	129	57	22	M16	UCP 309	UC 309	P 309	4,26
50	75	271	212	74	20	30	26	143	61	22	M16	UCP 310	UC 310	P 310	6,17
55	80	300	236	80	20	32	29	154	66	25	M16	UCP 311	UC 311	P 311	7,12
60	85	325	250	85	23	35	31	164	71	26	M20	UCP 312	UC 312	P 312	9,10
65	90	335	260	90	25	38	33	176	75	30	M20	UCP 313	UC 313	P 313	11,04
70	95	360	280	93	27	40	34	187	78	33	M22	UCP 314	UC 314	P 314	12,82
75	100	380	290	100	27	40	35	198	82	32	M22	UCP 315	UC 315	P 315	15,40
80	106	400	300	105	27	40	37	210	86	34	M22	UCP 316	UC 316	P 316	18,00

Note: Inch sizes available on request.

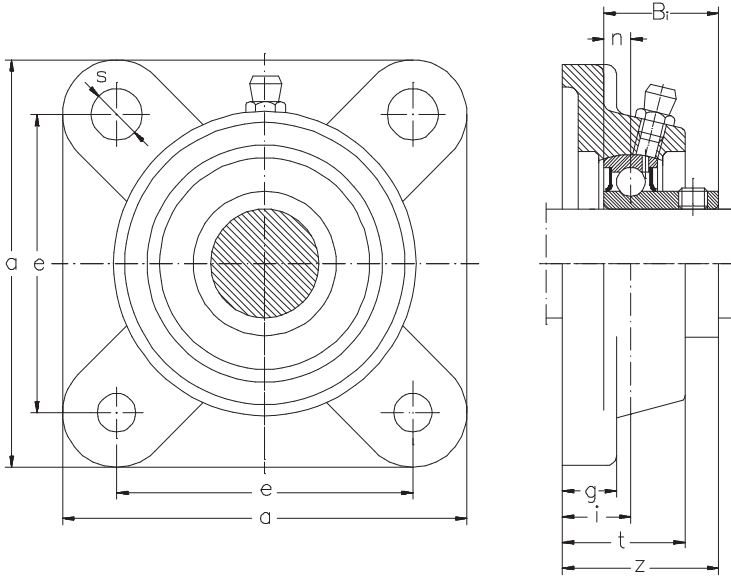
# Standard duty flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
20	86	63,5	19	15	29,5	11,5	37,0	25	7,0	M10	SBFS 204	SB 204	FS 204	0,59
25	93	70,0	19	15	30,0	11,5	38,5	27	7,5	M10	SBFS 205	SB 205	FS 205	0,72
30	106	82,5	20	16	32,5	13,0	41,0	29	8,0	M12	SBFS 206	SB 206	FS 206	0,95
35	116	92,0	21	17	35,0	13,0	44,5	32	8,5	M12	SBFS 207	SB 207	FS 207	1,25
40	129	101,5	24	17	39,0	14,0	48,5	34	9,5	M12	SBFS 208	SB 208	FS 208	1,60

Note: Inch sizes available on request.

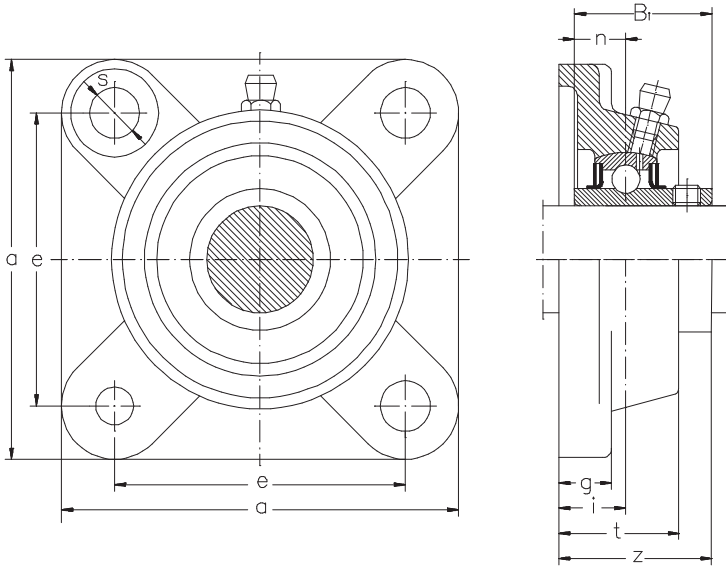
# Standard duty flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
20	86	64	15	12	25,5	12	33,0	25	7,0	M10	<b>SBF 204</b>	<b>SB 204</b>	<b>F 204</b>	0,49
25	95	70	16	13	27,0	12	35,5	27	7,5	M10	<b>SBF 205</b>	<b>SB 205</b>	<b>F 205</b>	0,70
30	108	83	18	13	31,0	12	39,0	29	8,0	M10	<b>SBF 206</b>	<b>SB 206</b>	<b>F 206</b>	0,99
35	117	92	19	15	34,0	14	42,5	32	8,5	M12	<b>SBF 207</b>	<b>SB 207</b>	<b>F 207</b>	1,25
40	130	102	21	15	36,0	16	45,5	34,0	9,5	M14	<b>SBF 208</b>	<b>SB 208</b>	<b>F 208</b>	1,63

Note: Inch sizes available on request.

# Standard duty flanged units cast housing set screws type

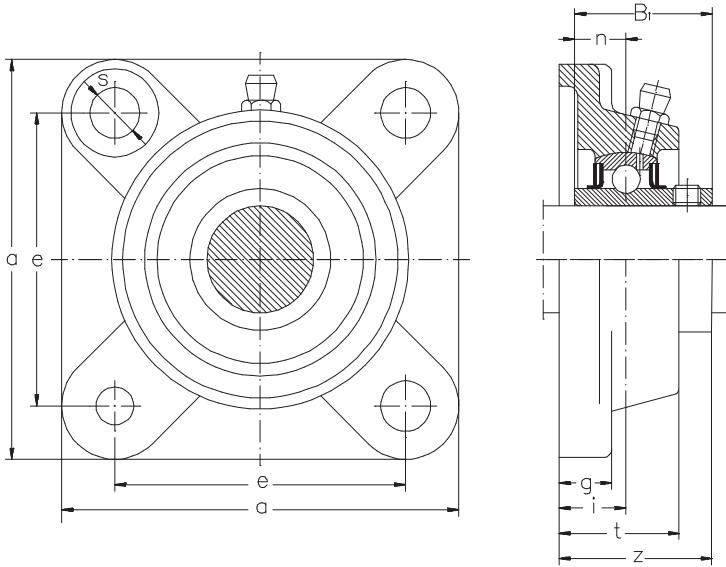


Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
20	86	63,5	19	15	29,5	11,5	37,3	31,0	12,7	M10	UCFS 204	UC 204	FS 204	0,63
25	93	70,0	19	15	30,0	11,5	38,7	34,0	14,3	M10	UCFS 205	UC 205	FS 205	0,76
30	106	82,5	20	16	32,5	13,0	42,2	38,1	15,9	M12	UCFS 206	UC 206	FS 206	1,01
35	116	92,0	21	17	35,0	13,0	46,4	42,9	17,5	M12	UCFS 207	UC 207	FS 207	1,34
40	129	101,5	24	17	39,0	14,0	54,2	49,2	19,0	M12	UCFS 208	UC 208	FS 208	1,74
45	135	105,0	24	18	40,0	16,0	54,2	49,2	19,0	M14	UCFS 209	UC 209	FS 209	1,98
50	143	111,0	28	20	45,0	16,0	60,6	51,6	19,0	M14	UCFS 210	UC 210	FS 210	2,43
55	162	130,0	31	21	49,0	17,0	64,4	55,6	22,2	M14	UCFS 211	UC 211	FS 211	3,43
60	175	143,0	34	22	53,5	17,0	73,7	65,1	25,4	M14	UCFS 212	UC 212	FS 212	4,24
65	184	149,0	38	22	58,0	18,0	77,7	65,1	25,4	M16	UCFS 213	UC 213	FS 213	5,11
70	188	152,0	38	23	60,0	18,0	82,4	74,6	30,2	M16	UCFS 214	UC 214	FS 214	5,30
75	200	152,4	41	24	62,0	20,0	85,5	77,8	33,3	M16	UCFS 215	UC 215	FS 215	6,38

Note: Inch sizes available on request.



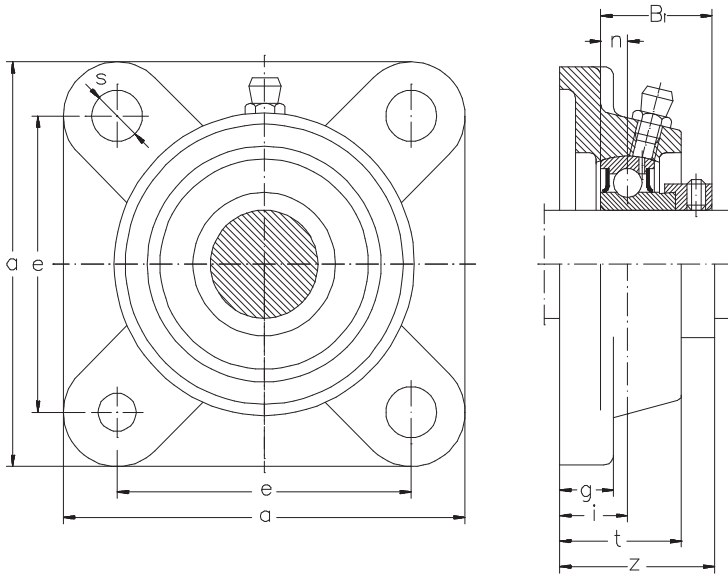
# Standard duty flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
12	86	64	15	12	25,5	12	33,3	31,0	12,7	M10	UCF 201	UC 201	F 204	0,57
15	86	64	15	12	25,5	12	33,3	31,0	12,7	M10	UCF 202	UC 202	F 204	0,56
17	86	64	15	12	25,5	12	33,3	31,0	12,7	M10	UCF 203	UC 203	F 204	0,55
20	86	64	15	12	25,5	12	33,3	31,0	12,7	M10	UCF 204	UC 204	F 204	0,53
25	95	70	16	13	27	12	35,7	34,0	14,3	M10	UCF 205	UC 205	F 205	0,74
30	108	83	18	13	31	12	40,2	38,1	15,9	M10	UCF 206	UC 206	F 206	1,05
35	117	92	19	15	34	14	44,4	42,9	17,5	M12	UCF 207	UC 207	F 207	1,34
40	130	102	21	15	36	16	51,2	49,2	19	M14	UCF 208	UC 208	F 208	1,77
45	137	105	22	16	38	16	52,2	49,2	19	M14	UCF 209	UC 209	F 209	2,05
50	143	111	22	16	40	16	54,6	51,6	19	M14	UCF 210	UC 210	F 210	2,35
55	162	130	25	18	43	19	58,4	55,6	22,2	M16	UCF 211	UC 211	F 211	3,00
60	175	143	29	18	48	19	68,7	65,1	25,4	M16	UCF 212	UC 212	F 212	3,57
65	187	149	30	22	50	19	69,7	65,1	25,4	M16	UCF 213	UC 213	F 213	4,92
70	193	152	31	22	54	19	75,4	74,6	30,2	M16	UCF 214	UC 214	F 214	5,62
75	200	159	34	22	56	19	78,5	77,8	33,3	M16	UCF 215	UC 215	F 215	5,55
80	208	165	34	24	58	23	83,3	82,6	33,3	M20	UCF 216	UC 216	F 216	6,99
85	220	175	36	26	63	23	87,6	85,7	34,1	M20	UCF 217	UC 217	F 217	8,58
90	235	187	40	26	68	23	96,3	96,0	39,7	M20	UCF 218	UC 218	F 218	11,20

Note: Inch sizes available on request.

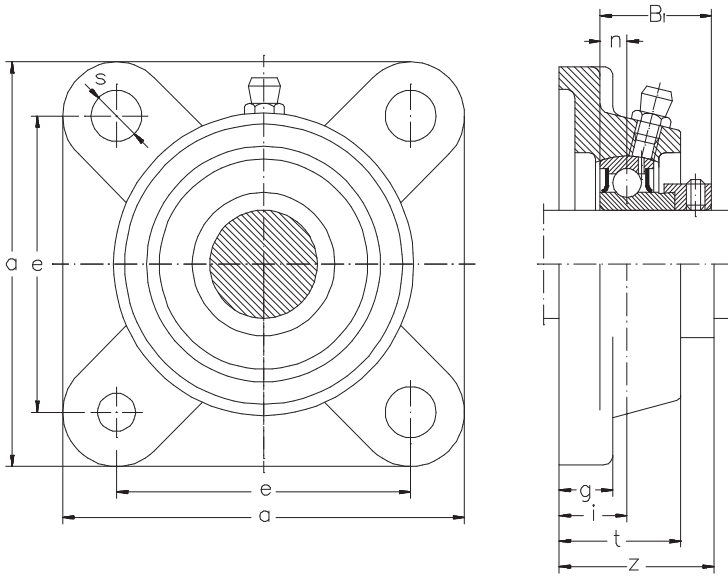
# Standard duty flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
20	86	63,5	19	15	29,5	11,5	41,5	29,5	7,0	M10	SAFS 204	SA 204	FS 204	0,64
25	93	70,0	19	15	30,0	11,5	42,0	30,5	7,5	M10	SAFS 205	SA 205	FS 205	0,75
30	106	82,5	20	16	32,5	13,0	45,9	33,9	8,0	M12	SAFS 206	SA 206	FS 206	1,02
35	116	92,0	21	17	35,0	13,0	50,0	37,5	8,5	M12	SAFS 207	SA 207	FS 207	1,37
40	129	101,5	24	17	39,0	14,0	55,0	40,5	9,5	M12	SAFS 208	SA 208	FS 208	1,75
45	135	105,0	24	18	40,0	16,0	56,2	42,2	10,0	M14	SAFS 209	SA 209	FS 209	1,99
50	143	111,0	28	20	45,0	16,0	61,2	43,7	10,5	M14	SAFS 210	SA 210	FS 210	2,43
55	162	130,0	31	21	49,0	17,0	67,9	48,4	11,5	M14	SAFS 211	SA 211	FS 211	3,18

Note: Inch sizes available on request.

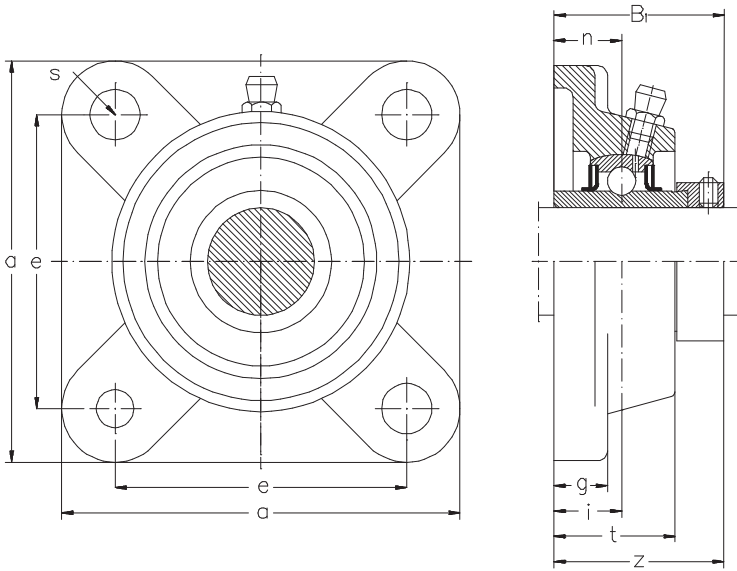
# Standard duty flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
20	86	64	15	12	25,5	12	37,5	29,5	7,0	M10	SAF 204	SA 204	F 204	0,54
25	95	70	16	13	27,0	12	39,0	30,5	7,5	M10	SAF 205	SA 205	F 205	0,73
30	108	83	18	13	31,0	12	43,9	33,9	8,0	M10	SAF 206	SA 206	F 206	1,06
35	117	92	19	15	34,0	14	48,0	37,5	8,5	M12	SAF 207	SA 207	F 207	1,37
40	130	102	21	15	36,0	16	52,0	40,5	9,5	M14	SAF 208	SA 208	F 208	1,78
45	137	105	22	16	38,0	16	54,2	42,2	10,0	M14	SAF 209	SA 209	F 209	2,06
50	143	111	22	16	40,0	16	55,2	43,7	10,5	M14	SAF 210	SA 210	F 210	2,35
55	162	130	25	18	43,0	19	61,9	48,4	11,5	M16	SAF 211	SA 211	F 211	2,75

Note: Inch sizes available on request.

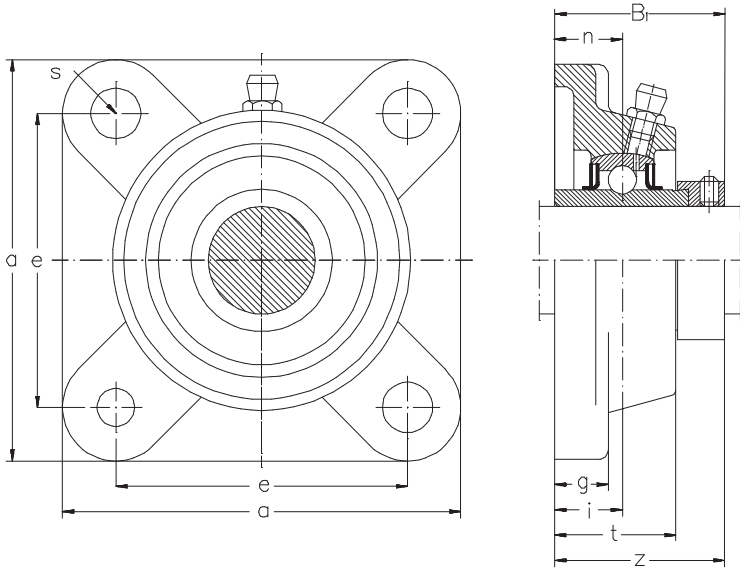
# Standard duty flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions									Bolt size	Unit number	Bearing number	Housing number	Weight
a	e	i	g	t	s	z	Bi	n					kg	
mm													—	kg
20	86	63,5	19	15	29,5	11,5	45,5	43,5	17	M10	UELFS 204	UEL 204	FS 204	0,68
25	93	70	19	15	30	11,5	45,9	44,3	17,4	M10	UELFS 205	UEL 205	FS 205	0,80
30	106	82,5	20	16	32,5	13,0	50,1	48,3	18,2	M12	UELFS 206	UEL 206	FS 206	1,10
35	116	92	21	17	35	13	53,3	51,1	18,8	M12	UELFS 207	UEL 207	FS 207	1,47
40	129	101,5	24	17	39	14	58,9	56,3	21,4	M12	UELFS 208	UEL 208	FS 208	1,88
45	135	105	24	18	40	16	58,9	56,3	21,4	M14	UELFS 209	UEL 209	FS 209	2,15
50	143	111	28	20	45	16	66,1	62,7	24,6	M14	UELFS 210	UEL 210	FS 210	2,64
55	162	130	31	21	49	17	74,6	71,3	27,7	M14	UELFS 211	UEL 211	FS 211	3,70
60	175	143	34	22	53,5	17	80,8	77,7	30,9	M14	UELFS 212	UEL 212	FS 212	4,58
65	184	149	38	22	58	18	89,6	85,7	34,1	M16	UELFS 213	UEL 213	FS 213	5,66
70	188	152	38	23	60	18	89,6	85,7	34,1	M16	UELFS 214	UEL 214	FS 214	5,82
75	200	152,4	41	24	62	20	95,8	92,1	37,3	M16	UELFS 215	UEL 215	FS 215	7,01

Note: Inch sizes available on request.

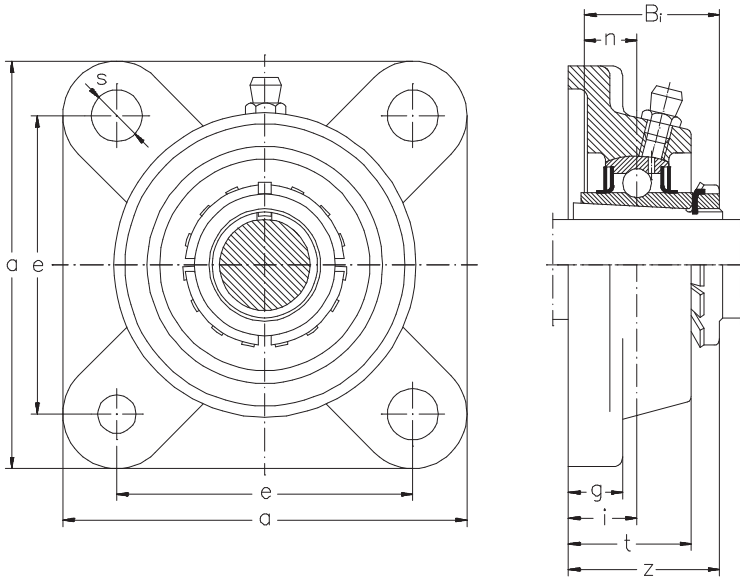
# Standard duty flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	n	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e									—			kg
12	86	64	15	12	25,5	12	41,5	43,5	17	M10	UELF 201	UEL 201	F 204	0,63
15	86	64	15	12	25,5	12	41,5	43,5	17	M10	UELF 202	UEL 202	F 204	0,61
17	86	64	15	12	25,5	12	41,5	43,5	17	M10	UELF 203	UEL 203	F 204	0,60
20	86	64	15	12	25,5	12	41,5	43,5	17	M10	UELF 204	UEL 204	F 204	0,58
25	95	70	16	13	27	12	42,9	44,3	17,4	M10	UELF 205	UEL 205	F 205	0,78
30	108	83	18	13	31	12	48,1	48,3	18,2	M10	UELF 206	UEL 206	F 206	1,14
35	117	92	19	15	34	14	51,3	51,1	18,8	M12	UELF 207	UEL 207	F 207	1,47
40	130	102	21	15	36	16	55,9	56,3	21,4	M14	UELF 208	UEL 208	F 208	1,91
45	137	105	22	16	38	16	56,9	56,3	21,4	M14	UELF 209	UEL 209	F 209	2,22
50	143	111	22	16	40	16	60,1	62,7	24,6	M14	UELF 210	UEL 210	F 210	2,56
55	162	130	25	18	43	19	68,6	71,3	27,7	M16	UELF 211	UEL 211	F 211	3,27
60	175	143	29	18	48	19	75,8	77,7	30,9	M16	UELF 212	UEL 212	F 212	3,91
65	187	149	30	22	50	19	81,6	85,7	34,1	M16	UELF 213	UEL 213	F 213	5,47
70	193	152	31	22	54	19	82,6	85,7	34,1	M16	UELF 214	UEL 214	F 214	6,14
75	200	159	34	22	56	19	88,8	92,1	37,3	M16	UELF 215	UEL 215	F 215	6,18

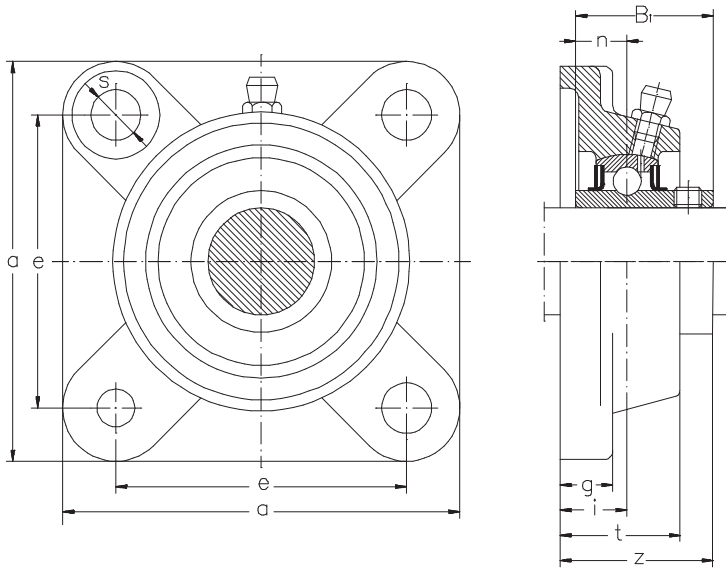
Note: Inch sizes available on request.

# Standard duty flanged units cast housing adapter type



Shaft dia.	Nominal dimensions		i	g	t	s	z	Bi	Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e								—			kg
20	95	70	16	13	27	12	35,5	35	M10	UKF 205	UK 205	F 205	0,68
25	108	83	18	13	31	12	39,0	38	M10	UKF 206	UK 206	F 206	0,98
30	117	92	19	15	34	14	42,5	43	M12	UKF 207	UK 207	F 207	1,24
35	130	102	21	15	36	16	46,5	46	M14	UKF 208	UK 208	F 208	1,61
40	137	105	22	16	38	16	48,5	50	M14	UKF 209	UK 209	F 209	1,90
45	143	111	22	16	40	16	50,0	55	M14	UKF 210	UK 210	F 210	2,14
50	162	130	25	18	43	19	54,5	59	M16	UKF 211	UK 211	F 211	2,65
55	175	143	29	18	48	19	61,0	62	M16	UKF 212	UK 212	F 212	3,07
60	187	149	30	22	50	19	64,0	65	M16	UKF 213	UK 213	F 213	4,42

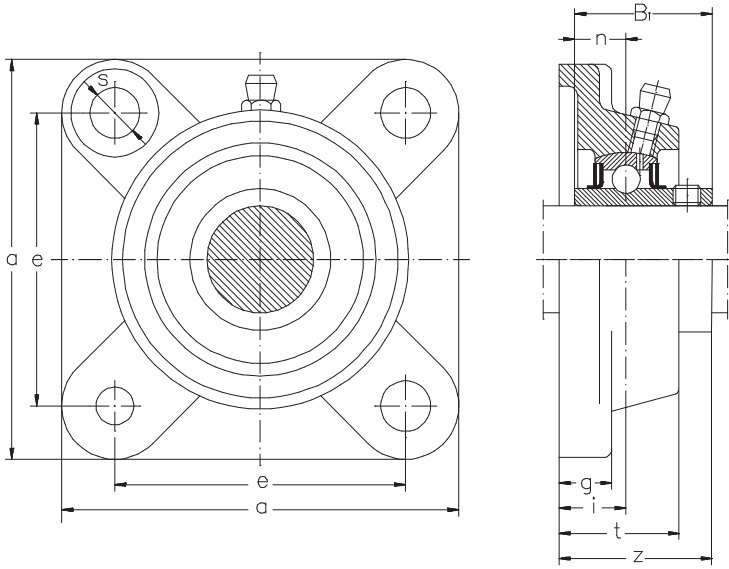
# Medium duty flanged units cast housing set screws type



Shaft dia.	Nominal dimensions									Bolt size	Unit number	Bearing number	Housing number	Weight
mm	a	e	i	g	t	s	z	Bi	n					kg
25	108	82,5	18	13	30	12	40,2	38,1	15,9	M10	UCF X05	UC X05	FX05	1,15
30	117	92,0	19	14	34	16	44,4	42,9	17,5	M14	UCF X06	UC X06	FX06	1,50
35	130	101,5	21	14	38	16	51,2	49,2	19,0	M14	UCF X07	UC X07	FX07	1,97
40	137	105,0	22	14	40	19	52,2	49,2	19,0	M16	UCF X08	UC X08	FX08	2,18
45	143	111,0	23	14	40	19	55,6	51,6	19,0	M16	UCF X09	UC X09	FX09	2,37
50	162	130,0	26	20	44	19	59,4	55,6	22,2	M16	UCF X10	UC X10	FX10	3,47
55	175	143,0	29	20	49	19	68,7	65,1	25,4	M16	UCF X11	UC X11	FX11	4,13
60	187	149	34	21	59	19	73,7	65,1	25,4	M16	UCF X12	UC X12	FX12	5,70
65	187	149	34	21	59	19	78,4	74,6	30,2	M18	UCF X13	UC X13	FX13	5,77
70	197	152	37	24	60	23	81,5	77,8	33,3	M20	UCF X14	UC X14	FX14	6,79
75	197	152	40	24	68	23	89,3	82,6	33,3	M20	UCF X15	UC X15	FX15	7,66
80	214	171	40	24	70	23	91,6	85,7	34,1	M20	UCF X16	UC X16	FX16	9,99

Note: Inch sizes available on request.

# Heavy duty flanged units cast housing set screws type

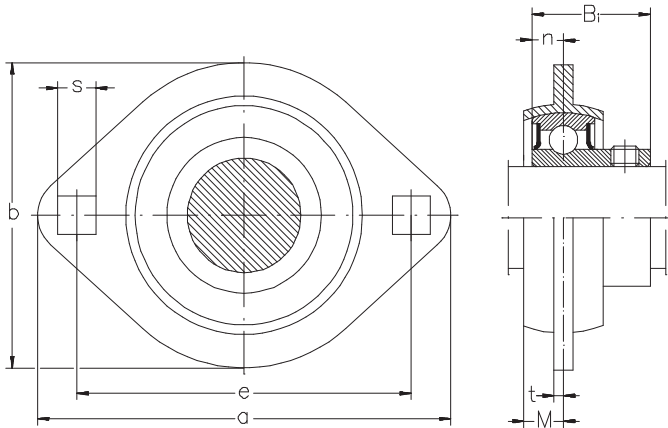


Shát día.	Nominal dimensions		i	g	t	s	z	Bi	Bolt n	Unit size	
	a	e									
mm											
25	108	80	16	13	29	16	39	38	15	M14	UC
30	125	95	18	15	32	16	44	43	17	M14	UC
35	135	100	20	16	36	19	49	48	19	M16	UC
40	150	112	23	17	40	19	56	52	19	M16	UC
45	160	125	25	18	44	19	60	57	22	m16	UC
50	175	132	28	20	48	23	67	61	22	M20	UC
55	185	140	30	20	52	23	71	66	25	M20	UC
60	193	150	33	22	56	23	78	71	26	M20	UC
65	208	166	33	22	58	23	78	75	30	M20	UC
70	226	178	36	25	61	25	81	78	33	M22	UC
75	236	184	39	25	66	25	89	82	32	M22	UC
80	250	196	38	27	68	31	90	86	34	M27	UC

Note: Inch sizes available on request.



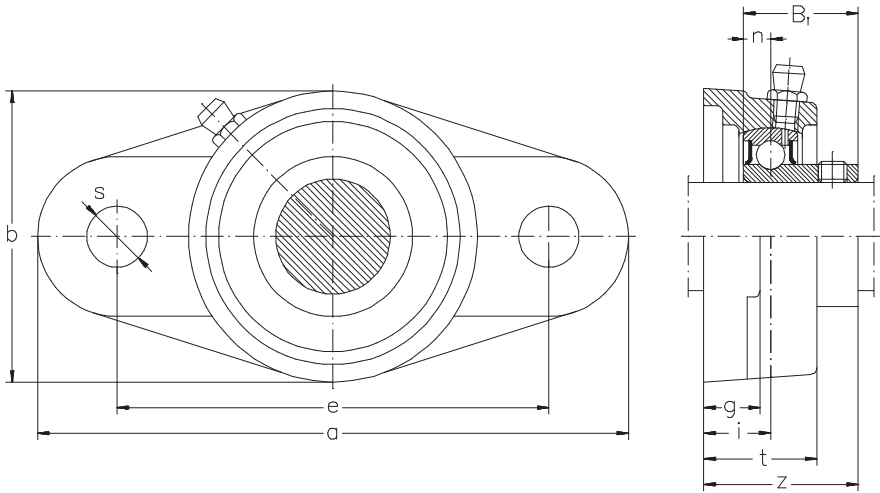
# Standard duty two bolts flanged units pressed steel housing set screws type



Shaft dia.	Nominal dimensions		M	t	s	b	Bi	Bolt n	Unit size	Bearing number
	a	e								
mm										
12	81	63,5	7,0	2,0	7,1	59	22	6	M6	SBPFL201SB
15	81	63,5	7,0	2,0	7,1	59	22	6	M6	SBPFL202SB
17	81	63,5	7,0	2,0	7,1	59	22	6	M6	SBPFL203SB
20	90	71,5	8,0	2,0	9	67	25	7	M8	SBPFL204SB
25	95	76,0	9,0	2,0	9	71	27	7,5	M8	SBPFL205SB
30	113	90,5	9,5	2,6	11	84	29	8	M10	SBPFL206SB
35	122	100	11	2,6	11	94	32	8,5	M10	SBPFL207SB

Note: Inch sizes available on request.

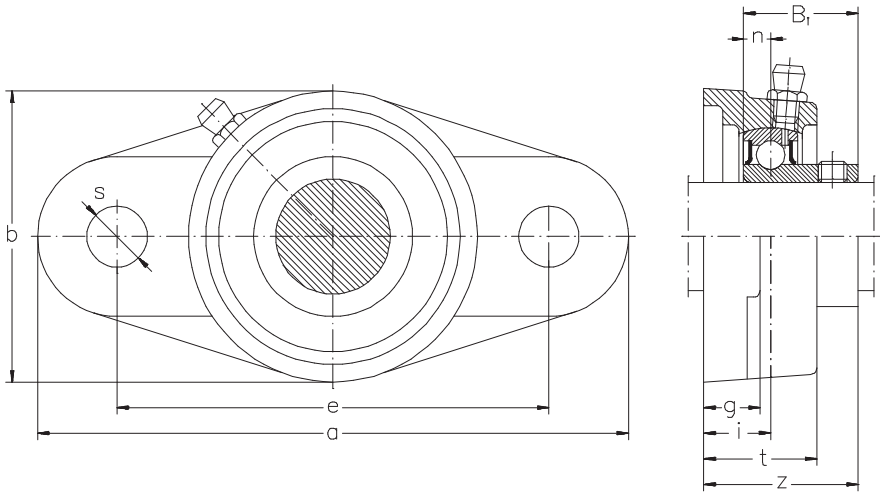
# Standard duty two bolts flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bolt		
	a	e							Bi	n	
mm											
20	112,5	90	19	15	29,5	10	61	37	25	7	M8
25	123	99	19	15	30	11,5	70	38,5	27	7,5	M1
30	142	116,5	20	16	32,5	11,5	82	41	29	8	M1
35	158	130	21	17	36	13	94	44,5	32	8,5	M1
40	172	143,5	24	17	39	13	103	48,5	34	9,5	M1

Note: Inch sizes available on request.

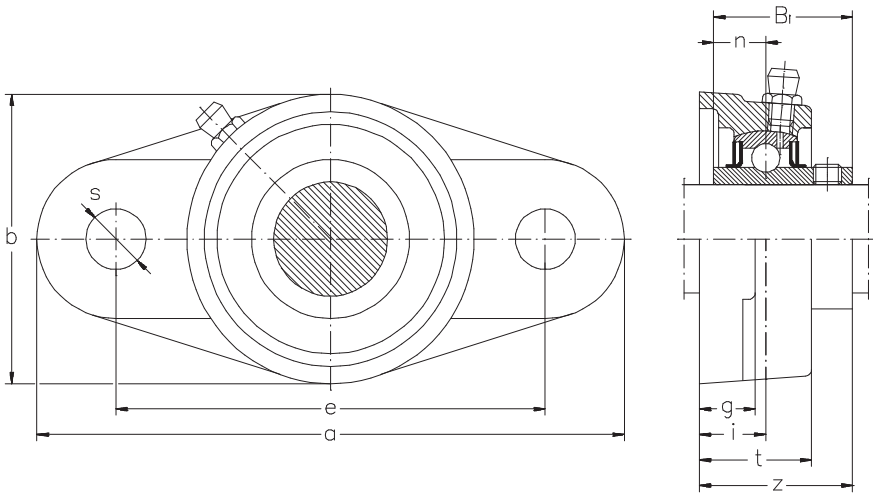
# Standard duty two bolts flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bolt		
	a	e							Bi	n	
mm											
20	113	90	15	11	25,5	12	60	33	25	7	M1
25	130	99	16	13	27	16	68	35,5	27	7,5	M1
30	148	117	18	13	31	16	80	39	29	8	M1
35	161	130	19	14	34	16	90	42,5	32	8,5	M1
40	175	144	21	14	36	16	100	45,5	34	9,5	M1

Note: Inch sizes available on request.

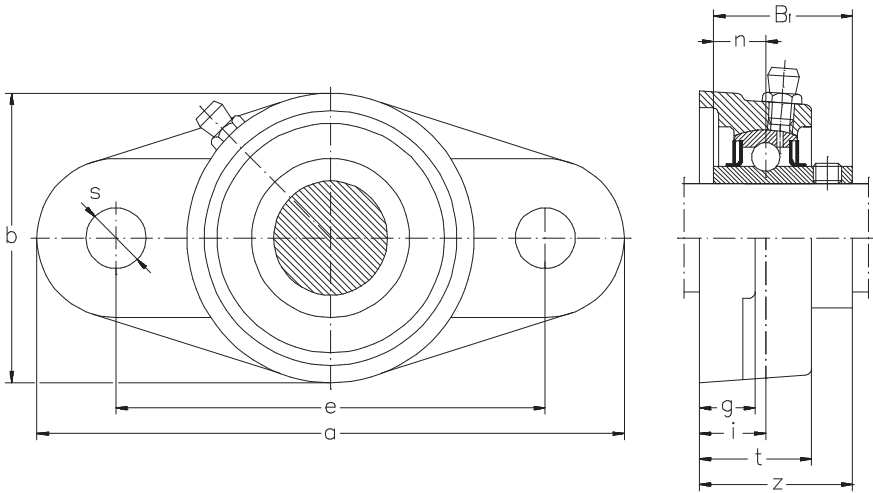
# Standard duty two bolts flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bi	Bolt	
	a	e								n	
mm											
20	112,5	90	19	15	29,5	10	61	37,3	31	12,7	M8
25	123	99	19	15	30	11,5	70	38,7	34	14,3	M1
30	142	116,5	20	16	32,5	11,5	82	42,2	38,1	15,9	M1
35	158	130	21	17	36	13	94	46,4	42,9	17,5	M1
40	172	143,5	24	17	39	13	103	54,2	49,2	19	M1
45	180	148,5	24	18	40	15	108	54,2	49,2	19	M1
50	190	157	28	20	45	15	114	60,6	51,6	19	M1
55	217	184	31	21	48	16,5	128	64,4	55,6	22,2	M1
60	237	202	34	21	53	16,5	138	73,7	65,1	25,4	M1
65	256	210	38	22	56	21	152	77,7	65,1	25,4	M2
70	264	216	38	23	58	21	157	82,4	74,6	30,2	M2

Note: Inch sizes available on request.

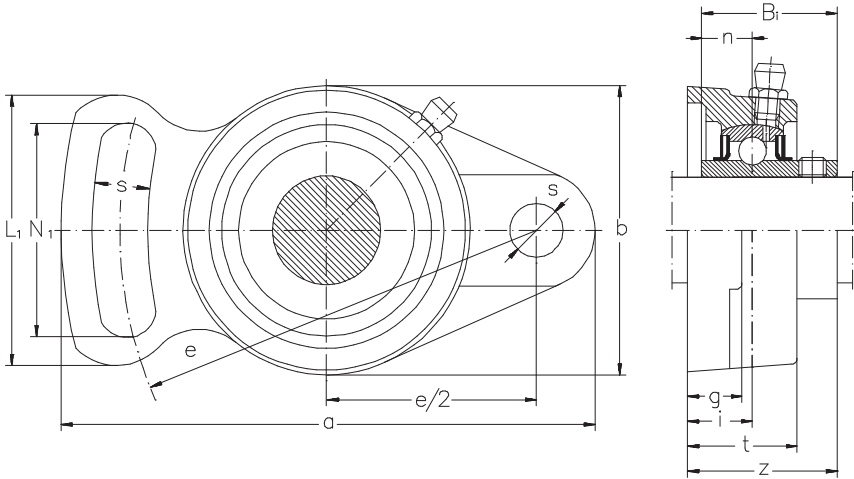
# Standard duty two bolts flanged units cast housing set screws type



Shaft dia. mm	Nominal dimensions									Bolt	
	a	e	i	g	t	s	b	z	Bi	n	
12	113	90	15	11	25,5	12	60	33,3	31	12,7	M1
15	113	90	15	11	25,5	12	60	33,3	31	12,7	M1
17	113	90	15	11	25,5	12	60	33,3	31	12,7	M1
20	113	90	15	11	25,5	12	60	33,3	31	12,7	M1
25	130	99	16	13	27	16	68	35,7	34	14,3	M1
30	148	117	18	13	31	16	80	40,2	38,1	15,9	M1
35	161	130	19	14	34	16	90	44,4	42,9	17,5	M1
40	175	144	21	14	36	16	100	51,2	49,2	19	M1
45	188	148	22	16	38	19	108	52,2	49,2	19	M1
50	197	157	22	16	40	19	115	54,6	51,6	19	M1
55	224	184	25	18	43	19	130	58,4	55,6	22,2	M1
60	250	202	29	18	48	23	140	68,7	65,1	25,4	M2
65	258	210	30	20	50	23	155	69,7	65,1	25,4	M2
70	265	216	31	20	54	23	160	75,4	74,6	30,2	M2
75	275	225	34	20	56	23	165	78,5	77,8	33,3	M2
80	290	233	34	22	58	25	180	83,3	82,6	33,3	M2
85	305	248	36	22	63	25	190	87,6	85,7	34,1	M2
90	320	265	40	23	68	25	205	96,3	96	39,7	M2

Note: Inch sizes available on request.

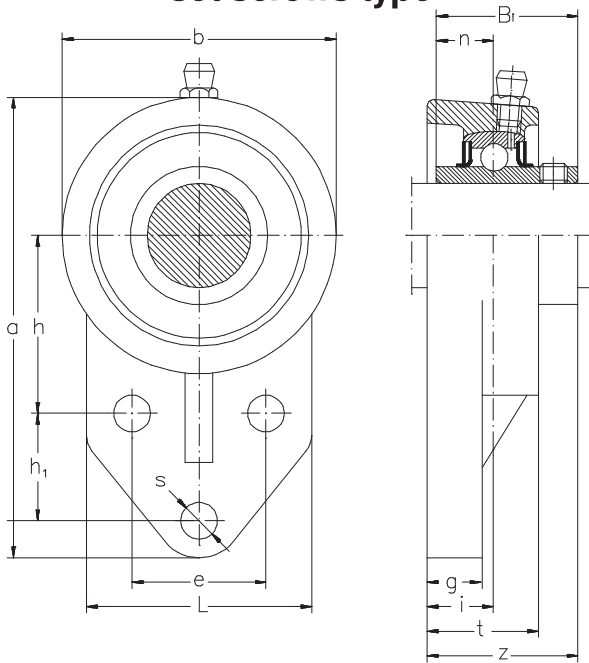
# Standard duty flanged units cast housing special type set screws type



Shaf dia.	Nominal dimensions		i	g	t	s	N <sub>1</sub>	b	L <sub>1</sub>	z	
	a	e									
mm											
12	102	78	15	12	25,5	10	40	60	54	33,3	31
15	102	78	15	12	25,5	10	40	60	54	33,3	31
17	102	78	15	12	25,5	10	40	60	54	33,3	31
20	102	78	15	12	25,5	10	40	60	54	33,3	31
25	125	98	16	14	27	12	51	68	65	34,7	34
30	144	117	18	14	31	12	58	80	72	40,2	38,
35	161	130	19	16	34	14	66	90	82	45,4	42,
40	175	144	21	16	36	14	71	100	87	52,2	49,
45	178	146	22	16	38	16	72	108	88	52,2	49,
50	188	155	22	16	39	16	75	114	92	54,6	51,
55	216	182	25	18	42,5	16	84	128	102	58,4	55,
60	238	202	29	19	47,5	18	104	140	122	68,7	65,
65	248	210	30	20	49	18	106	152	126	69,7	65,

Note: Inch sizes available on request.

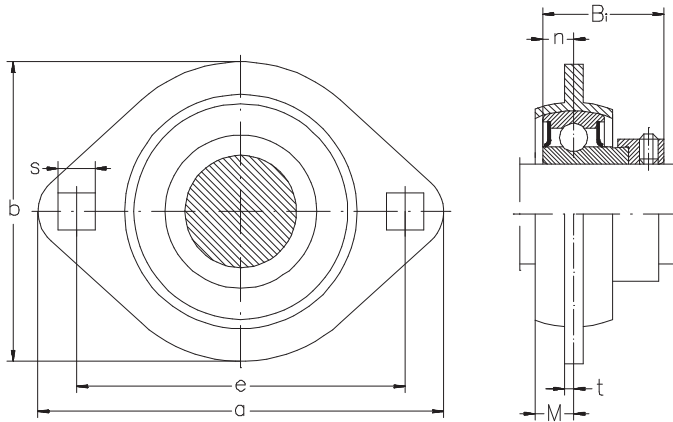
# Standard duty flanged units cast housing special type set screws type



Shaft dia.	Nominal dimensions										
	a	e	i	g	t	s	h	h <sub>1</sub>	L	b	
mm											
12	109	32	15	11	25,5	10	42	27	52	60	33,
15	109	32	15	11	25,5	10	42	27	52	60	33,
17	109	32	15	11	25,5	10	42	27	52	60	33,
20	109	32	15	11	25,5	10	42	27	52	60	33,
25	116	34	16	13	27	10	45	27	56	68	35,
30	132	40	18	13	31	10	50	29	65	80	40,
35	144	46	19	14	33	10	55	32	70	90	44,
40	164	50	21	16	35	12	60	41	78	100	51,
45	175	54	22	16	38	12	65	43	80	108	52,
50	184	58	22	16	39	12	68	46	86	114	54,
55	207	62	25	18	42,5	14	78	50	90	128	58,
60	224	66	29	19	47,5	14	84	55	94	140	68,
65	244	70	30	20	49	14	92	60	102	152	69,

Note: Inch sizes available on request.

# Standard duty two bolts flanged units pressed steel housing eccentric locking collar type

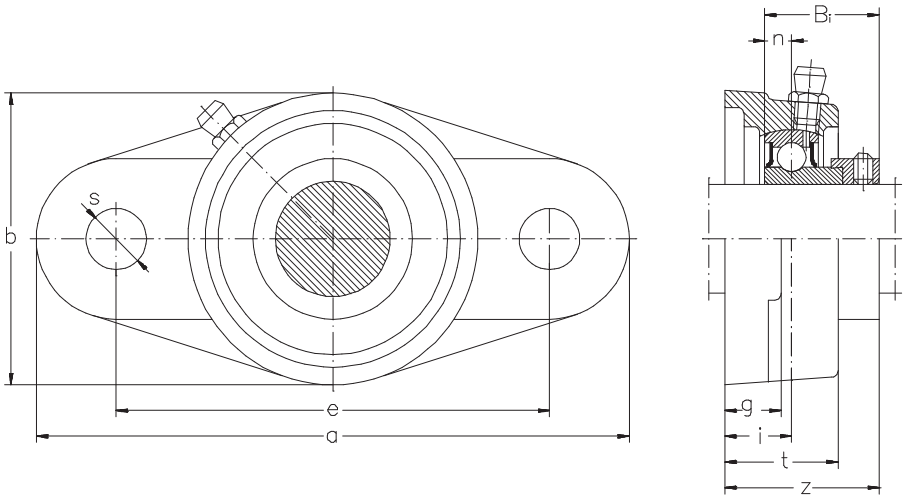


Shaft dia.	Nominal dimensions		M	t	s	b	Bi	Bolt n	Unit size	number
mm										
12	81	63,5	7	2	7,1	59	28,5	6	M6	SAPFL201SA
15	81	63,5	7	2	7,1	59	28,5	6	M6	SAPFL202SA
17	81	63,5	7	2	7,1	59	28,5	6	M6	SAPFL203SA
20	90	71,5	8	2	9	67	29,5	7	M8	SAPFL204SA
25	95	76	9	2	9	71	30,5	7,5	M8	SAPFL205SA
30	113	90,5	9,5	2,6	11	84	33,9	8	M10	SAPFL206SA
35	122	100	11	2,6	11	94	37,5	8,5	M10	SAPFL207SA

Note: Inch sizes available on request.



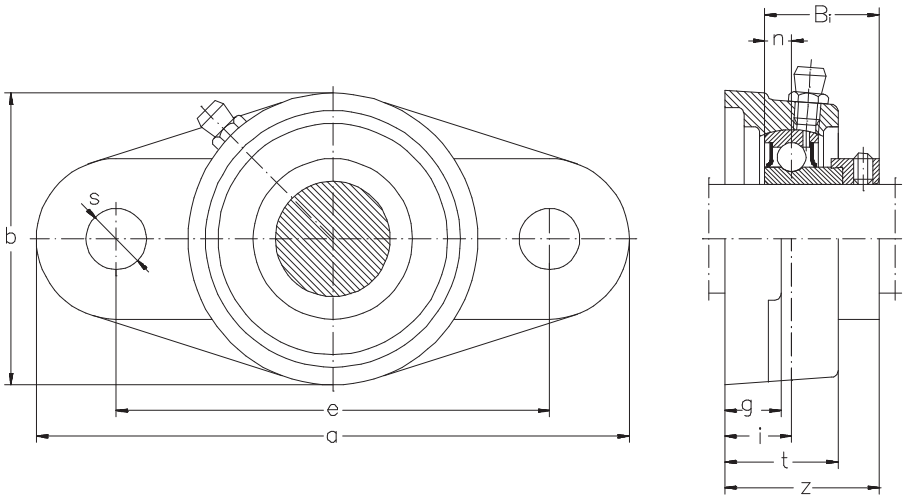
# Standard duty two bolts flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bolt		
	a	e							Bi	n	
mm											
20	112,5	90	19	15	29,5	10	61	41,5	29,5	7	M8
25	123	99	19	15	30	11,5	70	42	30,5	7,5	M1
30	142	116,5	20	16	32,5	11,5	82	45,9	33,0	8	M1
35	158	130	21	17	36	13	94	50	37,5	8,5	M1
40	172	143,5	24	17	39	13	103	55	40,5	9,5	M1
45	180	148,5	24	18	40	15	108	56,2	42,2	10	M1
50	190	157	28	20	45	15	114	61,2	43,7	10,5	M1
55	217	184	31	21	48	16,5	128	67,9	48,4	11,5	M1

Note: Inch sizes available on request.

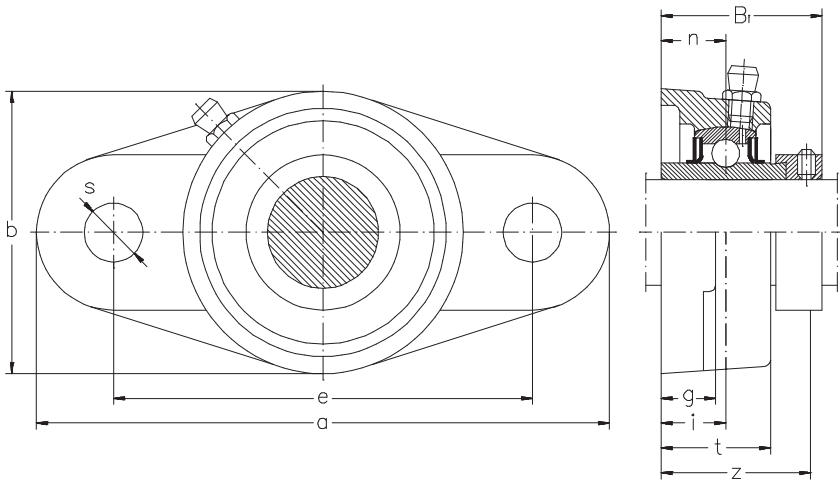
# Standard duty two bolts flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bi	Bolt	
	a	e								n	M
mm											
20	113	90	15	11	25,5	12	60	37,5	29,5	7	M1
25	130	99	16	13	27	16	68	39	30,5	7,5	M1
30	148	117	18	13	31	16	80	43,9	33,9	8	M1
35	161	130	19	14	34	16	90	48	37,5	8,5	m1
40	175	144	21	14	36	16	100	52	40,5	9,5	M1
45	188	148	22	16	38	19	108	54,2	42,2	10	M1
50	197	157	22	16	40	19	115	55,2	43,7	10,5	M1
55	224	184	25	18	43	19	130	61,9	48,4	11,5	M1

Note: Inch sizes available on request.

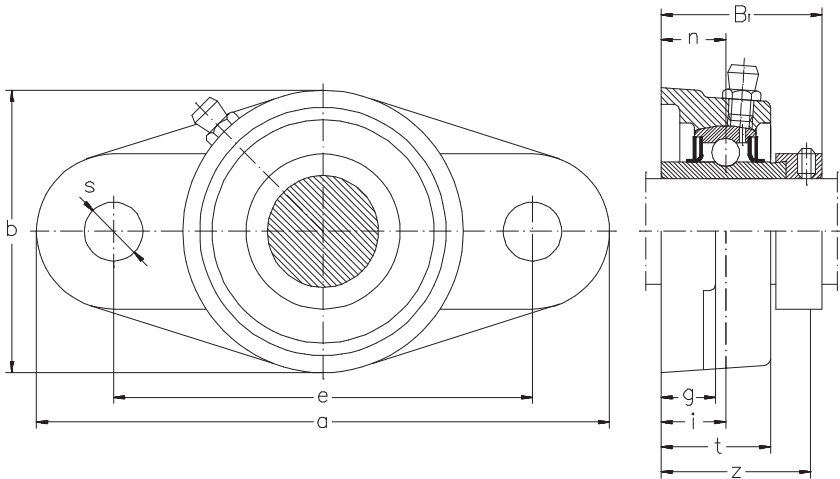
# Standard duty two bolts flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		i	g	t	s	b	z	Bi	Bolt	
	a	e								n	
mm											
20	112,5	90	19	15	29,5	10	61	45,5	43,5	17	M8
25	123	99	19	15	30	11,5	70	45,9	44,3	17,4	M1
30	142	116,5	20	16	32,5	11,5	82	50,1	48,3	18,2	M1
35	158	130	21	17	36	13	94	53,3	51,1	18,8	M1
40	172	143,5	24	17	39	13	103	58,9	56,3	21,4	M1
45	180	148,5	24	18	40	15	108	58,9	56,3	21,4	M1
50	190	157	28	20	45	15	114	66,1	62,7	24,6	M1
55	217	184	31	21	48	16,5	128	74,6	71,3	27,7	M1
60	237	202	34	21	53	16,5	138	80,8	77,7	30,9	M1
65	256	210	38	22	56	21	152	89,6	85,7	34,1	M2
70	264	216	38	23	58	21	157	89,6	85,7	34,1	M2

Note: Inch sizes available on request.

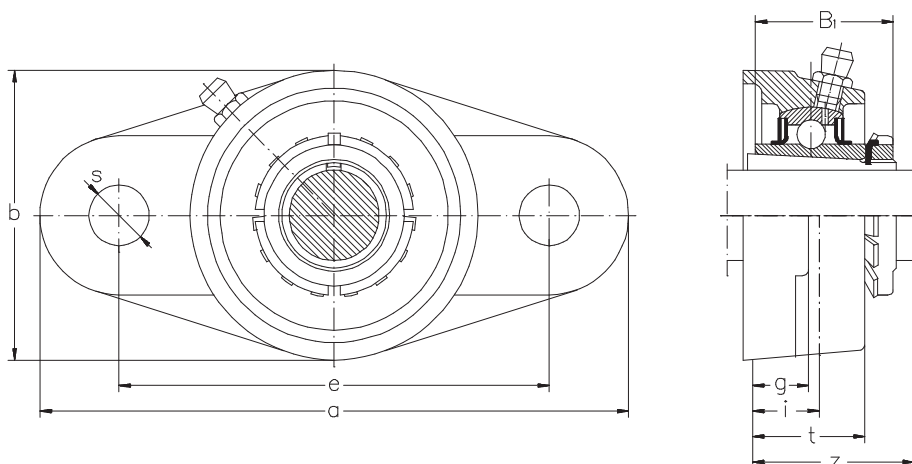
# Standard duty two bolts flanged units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions									Bolt	
	a	e	i	g	t	s	b	z	Bi	n	
mm											
12	113	90	15	11	25,5	60	12	41,5	43,5	17	M1
15	113	90	15	11	25,5	60	12	41,5	43,5	17	M1
17	113	90	15	11	25,5	60	12	41,5	43,5	17	M1
20	113	90	15	11	25,5	60	12	41,5	43,5	17	M1
25	130	99	16	13	27	68	16	42,9	44,3	17,4	M1
30	148	117	18	13	31	80	16	48,1	48,3	18,2	M1
35	161	130	19	14	34	90	16	51,3	51,1	18,8	M1
40	175	144	21	14	36	100	16	55,9	56,3	21,4	M1
45	188	148	22	16	38	108	19	56,9	56,3	21,4	M1
50	197	157	22	16	40	115	19	60,1	62,7	24,6	M1
55	224	184	25	18	43	130	19	68,6	71,3	27,7	M1
60	250	202	29	18	48	140	23	75,8	77,3	30,9	M2
65	258	210	30	20	50	155	23	81,6	85,7	34,1	M2
70	265	216	31	20	54	160	23	82,6	85,7	34,1	M2
75	275	225	34	20	56	165	23	88,8	92,1	37,3	M2

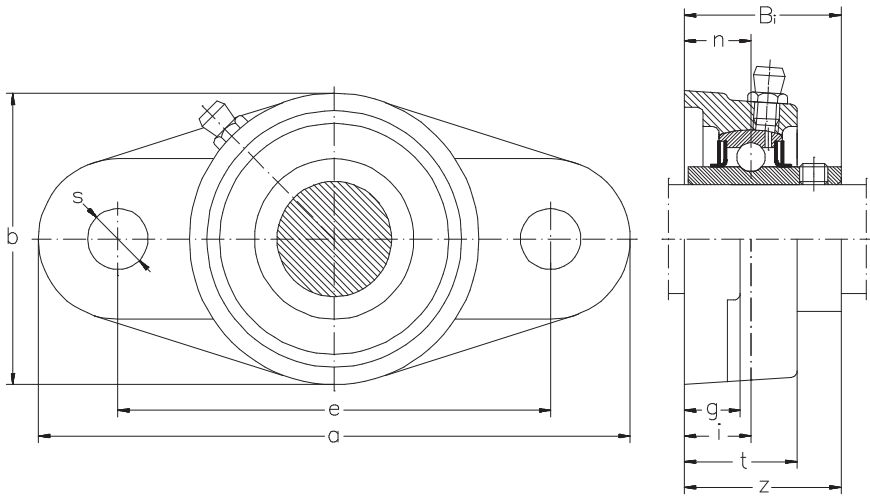
Note: Inch sizes available on request.

# Standard duty two bolts flanged units cast housing adapter type



Shaft dia.	Nominal dimensions		i	g	t	b	s	z	Bolt Bi	Unit size	
	a	e									
mm											
20	130	99	16	13	27	68	16	35,5	35	M14	UK
25	148	117	18	13	31	80	16	39	38	M14	UK
30	161	130	19	14	34	90	16	42,5	43	M14	UK
35	175	144	21	14	36	100	16	46,5	46	M14	UK
40	188	148	22	16	38	108	19	48,5	50	M16	UK
45	197	157	22	16	40	115	19	50	55	M16	UK
50	224	184	25	18	43	130	19	54,5	59	M16	UK
55	250	202	29	18	48	140	23	61	62	M20	UK
60	258	210	30	20	50	155	23	64	65	M20	UK

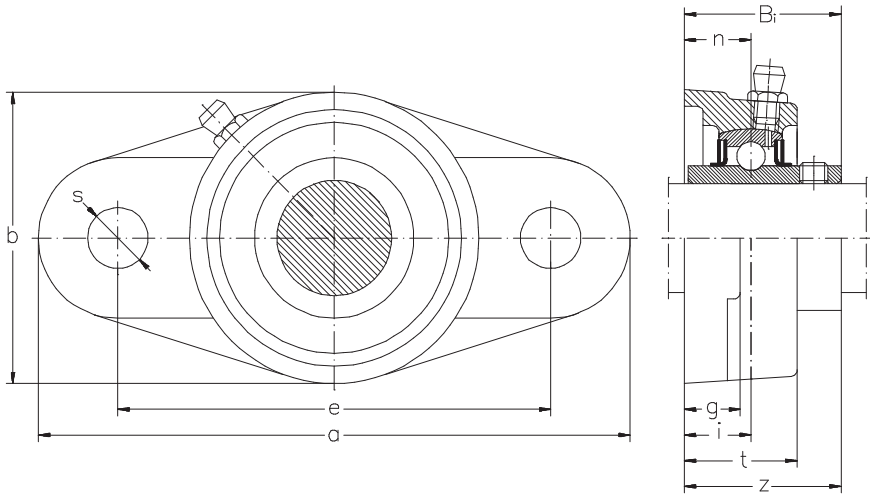
# Medium duty two bolts flanged units cast housing set screws type



Shaft dia.	Nominal dimensions		i	g	t	b	s	z	Bolt		
	a	e							Bi	n	
mm											
25	141	117	18	13	30	83	12	40,2	38,1	15,9	M1
30	156	130	19	15	34	95	16	44,4	42,9	17,5	M1
35	171	144	22	16	38	105	16	51,2	49,2	19	M1
40	179	148	22	16	40	111	16	52,2	49,2	19	M1
45	189	157	23	16	40	116	16	55,6	51,6	19	M1
50	216	184	26	18	44	133	19	59,4	55,6	22,2	M1

Note: Inch sizes available on request.

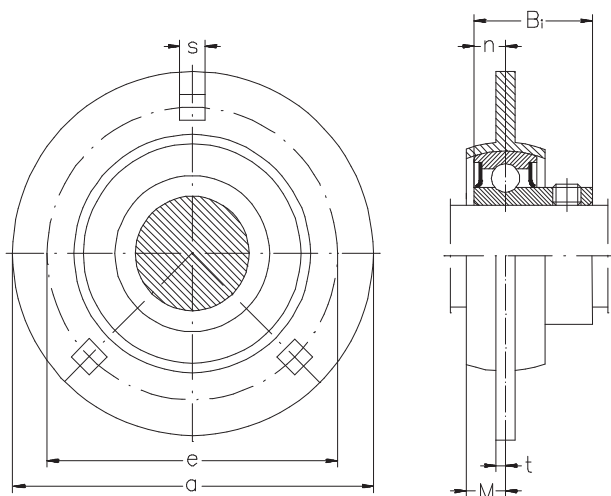
# Heavy duty two bolts flanged units cast housing set screws type



Shaft dia.	Nominal dimensions									Bolt	
	a	e	i	g	t	b	s	z	Bi	n	
mm											
25	150	113	16	13	29	80	19	39	38	15	M1
30	180	134	18	15	32	90	23	44	43	17	M2
35	185	141	20	16	36	100	23	49	48	19	M2
40	200	158	23	17	40	112	23	56	52	19	M2
45	230	177	25	18	44	125	25	60	57	22	M2
50	240	187	28	19	48	140	25	67	61	22	M2
55	250	198	30	20	52	150	25	71	66	25	M2
60	270	212	33	22	56	160	31	78	71	26	M2
65	295	240	33	25	58	175	31	78	75	30	M2
70	315	250	36	28	61	185	35	81	78	33	M3
75	320	260	39	30	66	195	35	89	82	32	M3
80	355	285	38	32	68	210	38	90	86	34	M3

Note: Inch sizes available on request.

# Standard duty flanged cartridge units pressed steel housing set screws type

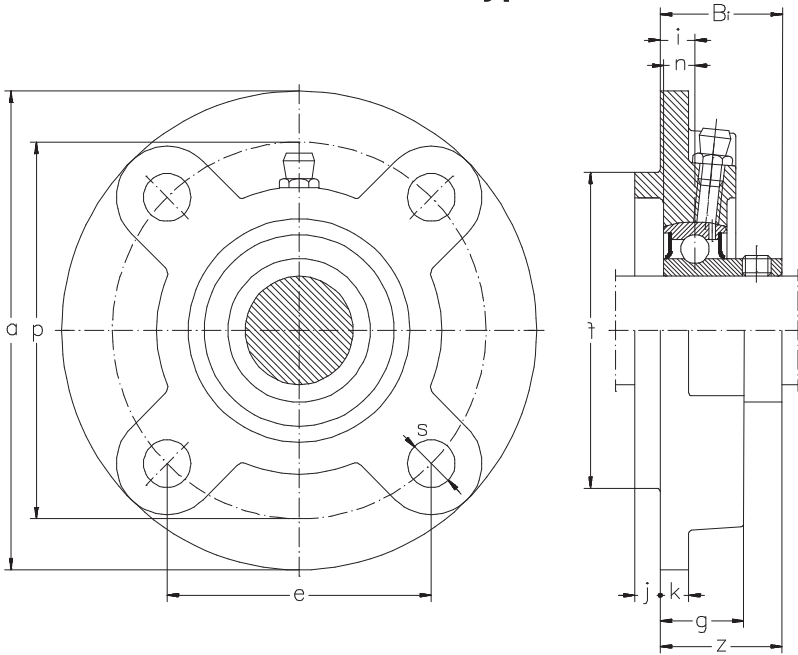


Shaft dia.	Nominal dimensions		t	s	M	Bi	Bolt n	Unit size	number	Bearing number	
	a	e									
mm											
12	81	63,5	2	7,1	7	22	6	M6	SBPF 201	SB 201	PF
15	81	63,5	2	7,1	7	22	6	M6	SBPF 202	SB 202	PF
17	81	63,5	2	7,1	7	22	6	M6	SBPF 203	SB 203	PF
20	90	71,5	2	9	8	25	7	M8	SBPF 204	SB 204	PF
25	95	76	2	9	9	27	7,5	M8	SBPF 205	SB 205	PF
30	113	90,5	2,6	11	9,5	29	8	M10	SBPF 206	SB 206	PF
35	122	100	2,6	11	11	32	8,5	M10	SBPF 207	SB 207	PF

Note: Inch sizes available on request.



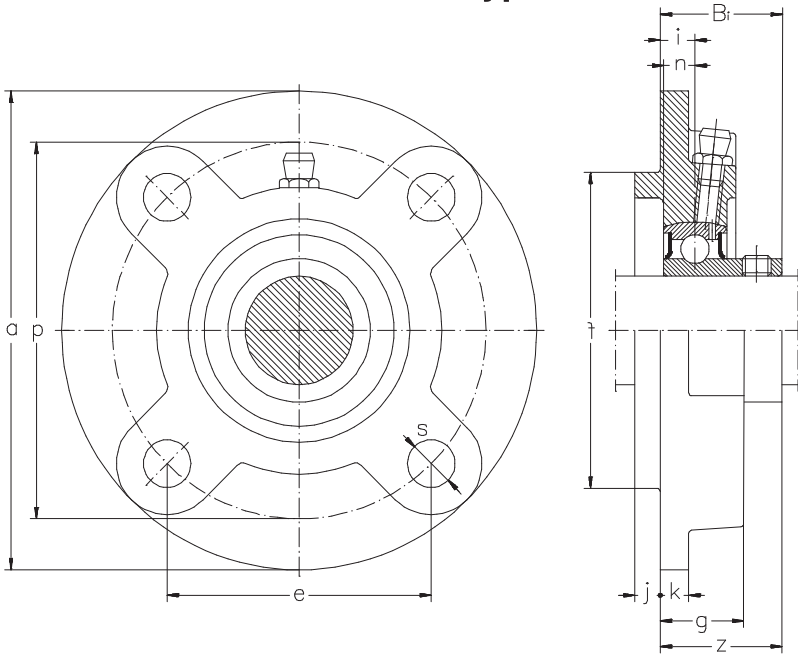
# Standard duty flanged cartridge units cast housing set screws type



Shaft dia.	Nominal dimensions		e	i	s	j	k	g	f	z	
	a	p									
mm											
20	100	78	55,1	10	12	5	6	20,5	62	28	25
25	115	90	63,6	10	12	6	7	21	70	29,5	27
30	125	100	70,7	10	12	8	8	23	80	31	29
35	135	110	77,8	11	14	8	9	26	90	34,5	32
40	145	120	84,8	11	14	10	9	26	100	35,5	34

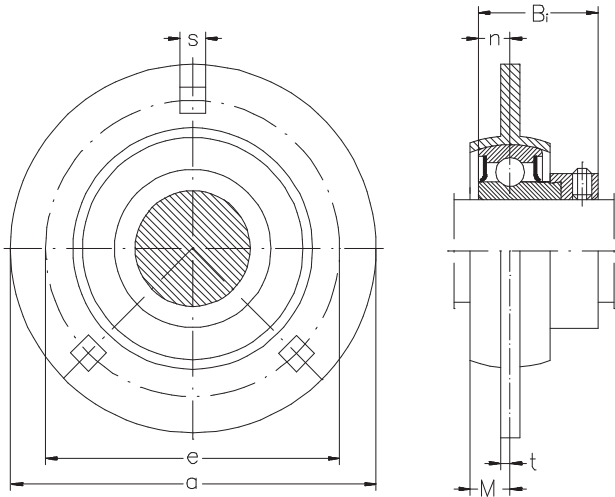
Note: Inch sizes available on request.

# Standard duty flanged cartridge units cast housing set screws type



Shaft dia.	Nominal dimensions		e	i	s	j	k	g	f	z	
	a	p									
mm											
12	100	78	55,1	10	12	5	6	20,5	62	28,3	31
15	100	78	55,1	10	12	5	6	20,5	62	28,3	31
17	100	78	55,1	10	12	5	6	20,5	62	28,3	31
20	100	78	55,1	10	12	5	6	20,5	62	28,3	31
25	115	90	63,6	10	12	6	7	21	70	29,7	34
30	125	100	70,7	10	12	8	8	23	80	32,2	38,
35	135	110	77,8	11	14	8	9	26	90	36,4	42,
40	145	120	84,8	11	14	10	9	26	100	41,2	49,
45	160	132	93,3	10	16	12	10	26	105	40,2	49,
50	165	138	97,6	10	16	12	14	28	110	42,6	51,
55	185	150	106,1	13	19	12	13	30	125	46,4	55,
60	195	160	113,1	17	19	12	15	36	135	56,7	65,
65	205	170	120,2	16	19	14	15	35	145	55,7	65,
70	215	177	125,1	17	19	14	16	38	150	61,4	74,
75	220	184	130,1	18	19	16	17	39	160	62,5	77,
80	240	200	141,4	18	23	16	18	42	170	67,3	82,
85	250	208	147,1	18	23	18	20	45	180	69,6	85,
90	265	220	155,5	22	23	20	18	50	190	78,3	96

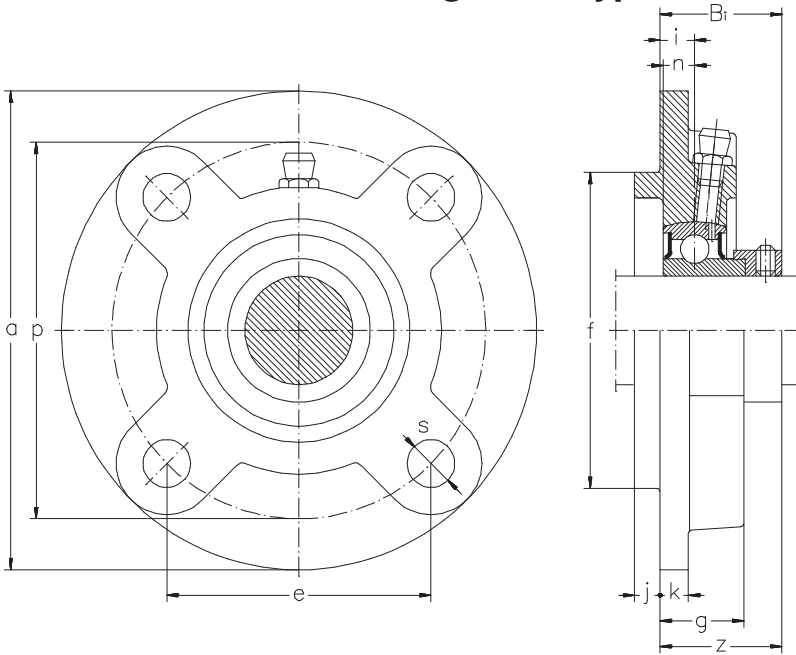
# Standard duty flanged cartridge units pressed steel housing set screws type



Shaft dia.	Nominal dimensions						Bolt	Unit size	Unit number	Bearing number	
	a	e	t	s	M	Bi	n				
mm										—	
12	81	63,5	2	7,1	7	28,5	6	M6	SAPF201	SA 201	PF
15	81	63,5	2	7,1	7	28,5	6	M6	SAPF202	SA 202	PF
17	81	63,5	2	7,1	7	28,5	6	M6	SAPF203	SA 203	PF
20	90	71,5	2	9	8	29,5	7	M8	SAPF204	SA 204	PF
25	95	76	2	9	9	30,5	7,5	M8	SAPF205	SA 205	PF
30	113	90,5	2,6	11	9,5	33,9	8	M10	SAPF206	SA 206	PF
35	122	100	2,6	11	11	37,5	8,5	M10	SAPF207	SA 207	PF

Note: Inch sizes available on request.

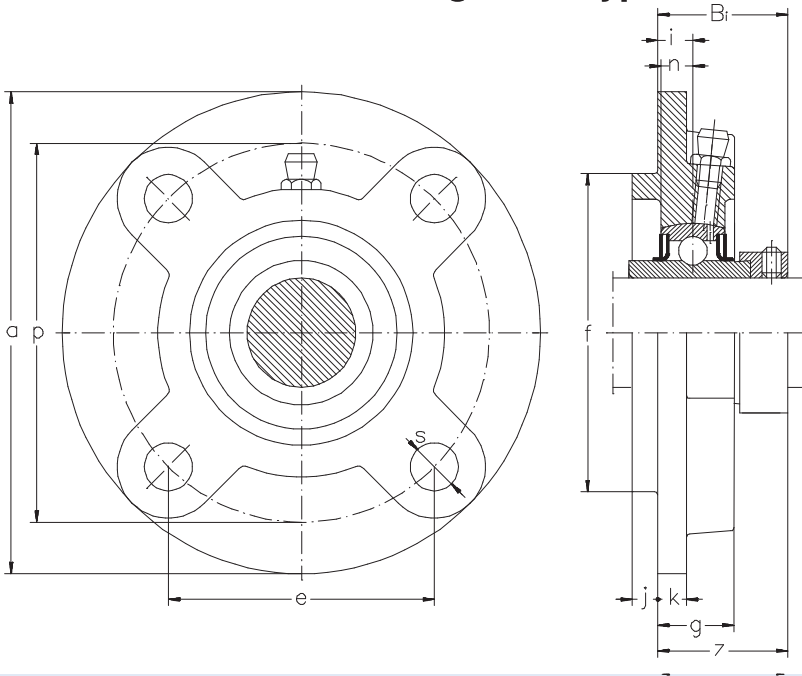
# Standard duty flanged cartridge units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		e	i	s	j	k	g	f	z	
	a	p									
mm											
20	100	78	55,1	10	12	5	6	20,5	62	32,5	29,
25	115	90	63,6	10	12	6	7	21	70	33	30,
30	125	100	70,7	10	12	8	8	23	80	35,9	33,
35	135	110	77,8	11	14	8	9	26	90	40	37,
40	145	120	84,8	11	14	10	9	26	100	42	40,
45	160	132	93,3	10	16	12	10	26	105	42,2	42,
50	165	138	97,6	10	16	12	14	28	110	43,2	43,
55	185	150	106,1	13	19	12	13	30	125	49,9	48,

Note: Inch sizes available on request.

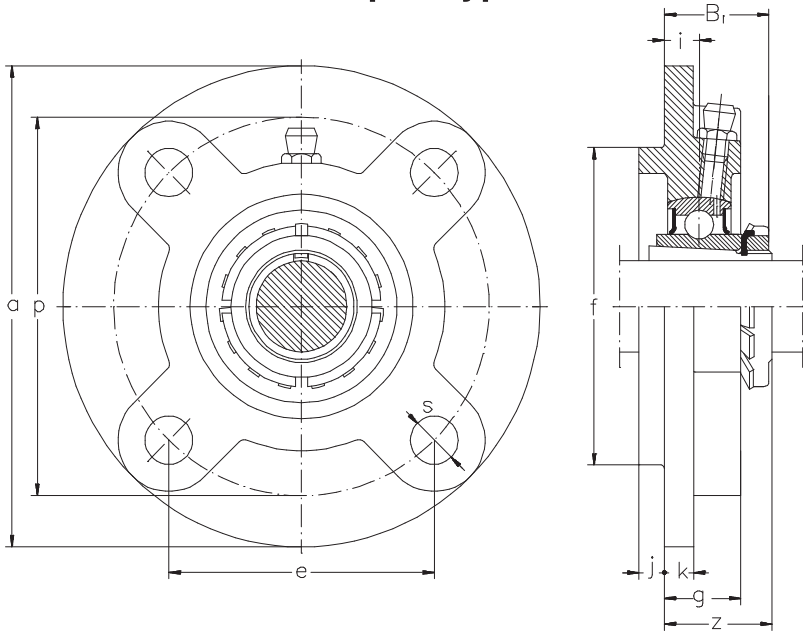
# Standard duty flanged cartridge units cast housing eccentric locking collar type



Shaft dia.	Nominal dimensions		e	i	s	j	k	g	f	z	
	a	p									
mm											
12	100	78	55,1	10	12	5	6	20,5	62	36,5	43,
15	100	78	55,1	10	12	5	6	20,5	62	36,5	43,
17	100	78	55,1	10	12	5	6	20,5	62	36,5	43,
20	100	78	55,1	10	12	5	6	20,5	62	36,5	43,
25	115	90	63,6	10	12	6	7	21	70	36,9	44,
30	125	100	70,7	10	12	8	8	23	80	40,1	48,
35	135	110	77,8	11	14	8	9	26	90	43,3	51,
40	145	120	84,8	11	14	10	9	26	100	45,9	56,
45	160	132	93,3	10	16	12	10	26	105	44,9	56,
50	165	138	97,6	10	16	12	14	28	110	48,1	62,
55	185	150	106,1	13	19	12	13	30	125	56,6	71,
60	195	160	113,1	17	19	12	15	36	135	63,8	77,
65	205	170	120,2	16	19	14	15	35	145	67,6	5,
70	215	177	125,1	17	19	14	16	38	150	68,6	5,
75	220	184	130,1	18	19	16	17	39	160	72,8	92,

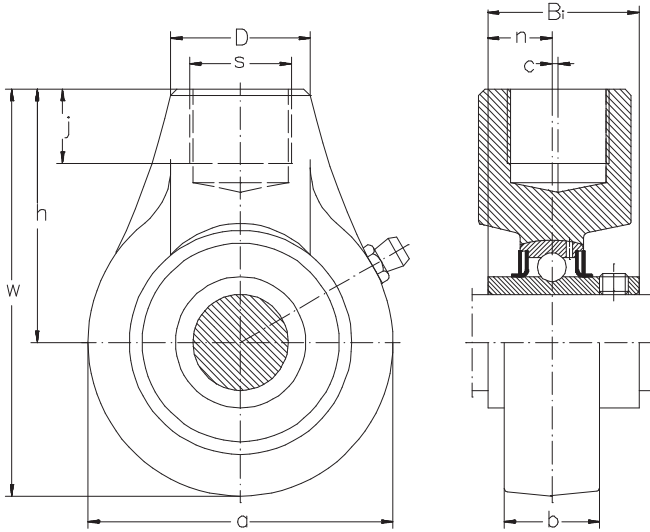
Note: Inch sizes available on request.

# Standard duty flanged cartridge units cast housing adapter type



Shaft Nominal dia.	Nominal dimensions										
	a	p	e	i	s	j	k	g	f	z	
mm											
20	115	90	63,6	10	12	6	7	21	70	29,5	35
25	125	100	70,7	10	12	8	8	23	80	31	38
30	135	110	77,8	11	14	8	9	26	90	34,5	43
35	145	120	84,8	11	14	10	9	26	100	36,5	46
40	160	132	93,3	10	16	12	10	26	105	36,5	50
45	165	138	97,6	10	16	12	14	28	110	38	55
50	185	150	106,1	13	19	12	13	30	125	42,5	59
55	195	160	113,1	17	19	12	15	36	135	49	62
60	205	170	120,2	16	19	14	15	35	145	50	65

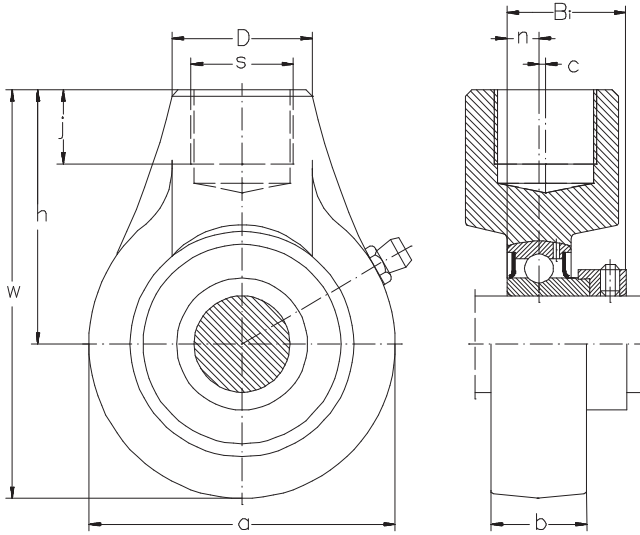
# Standard duty hanger units set screws type



Shaft Nominal dia.	Nominal dimensions		c	b	h	s	D	j	Bi		
	a	w									
mm											
12	64	96	0	22	64	RP 3/4	40	19	31	12,7	UC
15	64	96	0	22	64	RP 3/4	40	19	31	12,7	UC
17	64	96	0	22	64	RP 3/4	40	19	31	12,7	UC
20	64	96	0	22	64	RP 3/4	40	19	31	12,7	UC
25	78	103	0	23	64	RP 3/4	40	19	34	14,3	UC
30	78	103	0	25	64	RP 3/4	40	19	38,1	15,9	UC
35	92	116	0	26	70	RP 3/4	40	19	42,9	17,5	UC
40	96	121	2	30	73	RP 3/4	40	19	49,2	19	UC
45	108	136	5	30	82	RP 1	48	21	49,2	19	UC
50	115	140,5	5	32	83	RP 1	48	21	51,6	19	UC
55	126	150	7	33	87	RP 1-1/4	60	24	55,6	22,2	UC
60	142	173	9	36	102	RP 1-1/4	60	28	65,1	25,4	UC
65	166	200	9,5	38	117	RP 1-1/2	70	32	65,1	25,4	UC
70	166	200	9,5	40	117	RP 1-1/2	70	32	74,6	30,2	UC
75	166	200	9,5	40	117	RP 1-1/2	70	32	77,8	33,3	UC

Note: Inch sizes available on request.

# Standard duty hanger units set screws type

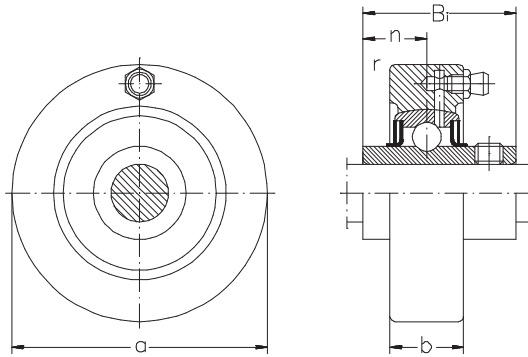


Shaft dia.	Nominal dimensions		c	b	h	s	D	j	Bi		
	a	w									
mm											
20	64	96	0	22	64	RP 3/4	40	19	29,5	7	SA
25	78	103	0	23	64	RP 3/4	40	19	30,5	7,5	SA
30	78	103	0	25	64	RP 3/4	40	19	33,9	8	SA
35	92	116	0	26	70	RP 3/4	40	19	37,5	8,5	SA
40	96	121	2	30	73	RP 3/4	40	19	40,5	9,5	SA
45	108	136	5	30	82	RP 1	48	21	42,2	10	SA
50	115	140,5	5	32	83	RP 1	48	21	43,7	10,5	SA
55	126	150	7	33	87	RP 1-1/4	60	24	48,4	11,5	SA

Note: Inch sizes available on request.



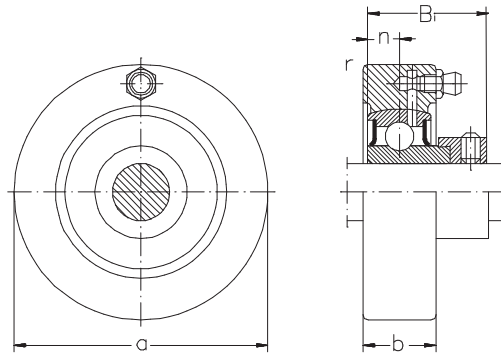
# Standard duty cylindrical cartridge units set screws type



Shaft dia.	Nominal dimensions		r	Bi	n	Unit number	Bearing number	Housing number.	Weight	
	a	b								
mm						—				kg
12	72	20	2	31	12,7	UCC 201	UC 201	C 204	0,53	
15	72	20	2	31	12,7	UCC 202	UC 202	C 204	0,52	
17	72	20	2	31	12,7	UCC 203	UC 203	C 204	0,51	
20	72	20	2	31	12,7	UCC 204	UC 204	C 204	0,49	
25	80	22	2	34	14,3	UCC 205	UC 205	C 205	0,65	
30	85	27	2	38,1	15,9	UCC 206	UC 206	C 206	0,81	
35	90	28	2	42,9	17,5	UCC 207	UC 207	C 207	0,90	
40	100	30	2,5	49,2	19	UCC 208	UC 208	C 208	1,19	
45	110	31	2,5	49,2	19	UCC 209	UC 209	C 209	1,49	
50	120	33	2,5	51,6	19	UCC 210	UC 210	C 210	1,92	
55	125	35	2,5	55,6	22,2	UCC 211	UC 211	C 211	2,21	
60	130	38	2,5	65,1	25,4	UCC 212	UC 212	C 212	2,48	
65	140	40	3	65,1	25,4	UCC 213	UC 213	C 213	2,97	

Note: Inch sizes available on request.

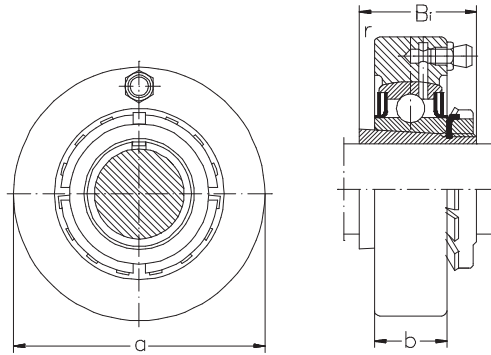
# Standard duty cylindrical cartridge units eccentric locking collar type



Shaft dia.	Nominal dimensions		r	n	Bi	Unit number	Bearing number	Housing number	Weight
	a	b							
mm						—			kg
20	72	20	2	29,5	7	SAC 204	SA 204	C 204	0,50
25	80	22	2	30,5	7,5	SAC 205	SA 205	C 205	0,64
30	85	27	2	33,9	8	SAC 206	SA 206	C 206	0,82
35	90	28	2	37,5	8,5	SAC 207	SA 207	C 207	0,93
40	100	30	2,5	40,5	9,5	SAC 208	SA 208	C 208	1,20
45	110	31	2,5	42,2	10	SAC 209	SA 209	C 209	1,50
50	120	33	2,5	43,7	10,5	SAC 210	SA 210	C 210	1,92
55	125	35	2,5	48,8	11,5	SAC 211	SA 211	C 211	1,96

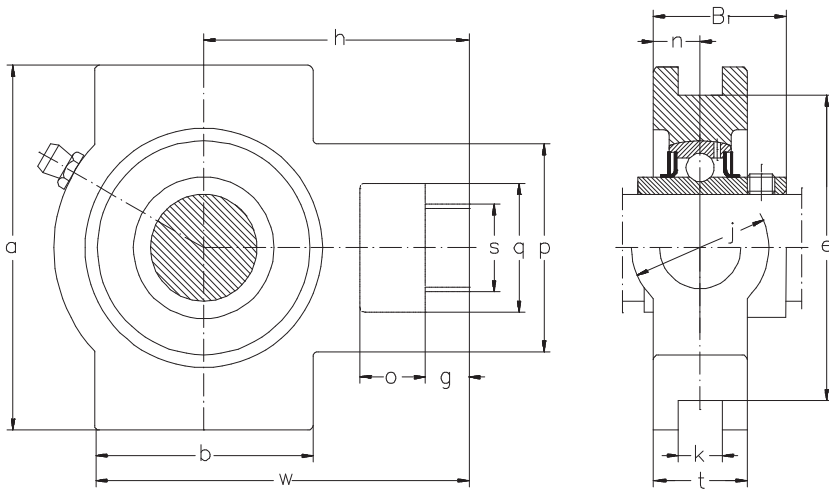
Note: Inch sizes available on request.

# Standard duty cylindrical cartridge units adapter type



Shaft dia.	Nominal dimensions		r	Bi	Unit number	Bearing number	Housing number	Weight
	a	b						
mm					—	kg		
20	80	22	2	35	UKC 205	UK 205	C 205	0,59
25	85	27	2	38	UKC 206	UK 206	C 206	0,74
30	90	28	2	43	UKC 207	UK 207	C 207	0,80
35	100	30	2,5	46	UKC 208	UK 208	C 208	1,03
40	110	31	2,5	50	UKC 209	UK 209	C 209	1,34
45	120	33	2,5	55	UKC 210	UK 210	C 210	1,71
50	125	35	2,5	59	UKC 211	UK 211	C 211	1,86
55	130	38	2,5	62	UKC 212	UK 212	C 212	1,98
60	140	40	3	65	UKC 213	UK 213	C 213	2,47

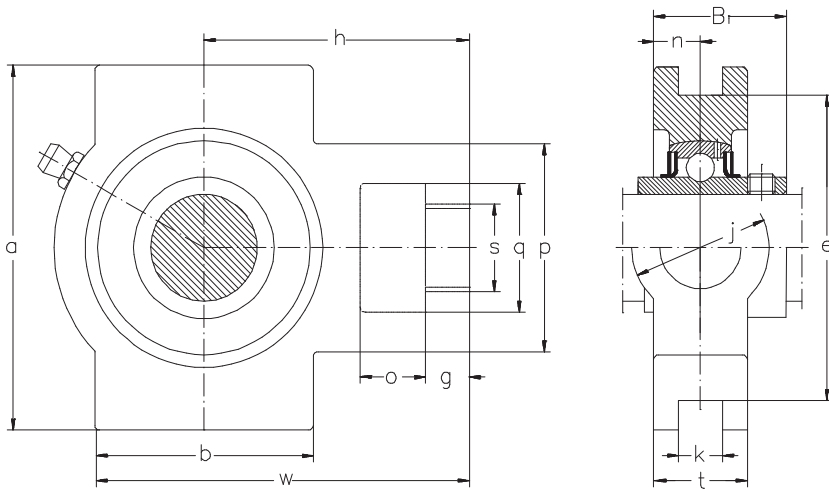
# Standard duty take-up units cast housing set screws type



Shaft Nominal dia.	Dimensions													Unit number	Bearing number	Housing number	Weight		
	o	g	p	q	s	b	k	e	a	w	j	t	h					Bi	n
mm														—				kg	
20	16	10	51	32	19	51	13,5	76	89	94	32	21	61	31	12,7	UCST 204	UC 204	ST 204	0,73
25	16	10	51	32	19	51	13,5	76	89	97	32	24	62	34	14,3	UCST 205	UC 205	ST 205	0,83
30	16	10	56	37	22	57	13,5	89	102	113	37	28	70	38,1	15,9	UCST 206	UC 206	ST 206	1,26
35	16	13	64	37	22	64	13,5	89	102	129	37	30	78	42,9	17,5	UCST 207	UC 207	ST 207	1,58
40	19	16	83	49	29	83	17,5	101	114	144	49	33	88	49,2	19	UCST 208	UC 208	ST 208	2,30
45	19	16	83	49	29	83	17,5	101	117	144	49	35	87	49,2	19	UCST 209	UC 209	ST 209	2,27
50	19	16	83	49	29	86	17,5	101	117	149	49	37	90	51,6	19	UCST 210	UC 210	ST 210	2,49
55	25	19	102	64	35	95	27	130	146	171	64	38	106	55,6	22,2	UCST 211	UC 211	ST 211	3,77
60	32	19	102	64	35	102	27	130	146	194	64	42	119	65,1	25,4	UCST 212	UC 212	ST 212	4,77
65	32	21	111	70	41	121	27	151	167	224	70	44	137	65,1	25,4	UCST 213	UC 213	ST 213	6,65
70	32	21	111	70	41	121	27	151	167	224	70	46	137	74,6	30,2	UCST 214	UC 214	ST 214	6,74
75	32	21	111	70	41	121	27	151	167	232	70	48	140	77,8	33,3	UCST 215	UC 215	ST 215	7,10

Note: Inch sizes available on request.

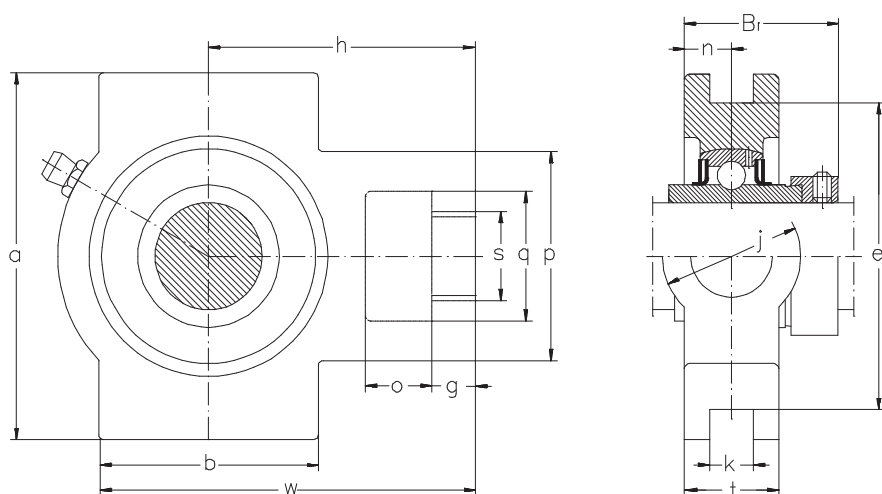
# Standard duty take-up units cast housing set screws type



Shaft Nominal dia.	Dimensions														Unit number	Bearing number	Housing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h	Bi					n
mm															—				kg
12	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12,7	UCT 201	UC 201	T 204	0,70
15	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12,7	UCT 202	UC 202	T 204	0,76
17	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12,7	UCT 203	UC 203	T 204	0,75
20	16	10	51	32	19	51	12	76	89	94	32	21	61	31	12,7	UCT 204	UC 204	T 204	0,73
25	16	10	51	32	19	51	12	76	89	97	32	24	62	34	14,3	UCT 205	UC 205	T 205	0,83
30	16	10	56	37	22	57	12	89	102	113	37	28	70	38,1	15,9	UCT 206	UC 206	T 206	1,26
35	16	13	64	37	22	64	12	89	102	129	37	30	78	42,9	17,5	UCT 207	UC 207	T 207	1,58
40	19	16	83	49	29	83	16	102	114	144	49	33	88	49,2	19	UCT 208	UC 208	T 208	2,31
45	19	16	83	49	29	83	16	102	117	144	49	35	87	49,2	19	UCT 209	UC 209	T 209	2,28
50	19	16	83	49	29	86	16	102	117	149	49	37	90	51,6	19	UCT 210	UC 210	T 210	2,50
55	25	19	102	64	35	95	22	130	146	171	64	38	106	55,6	22,2	UCT 211	UC 211	T 211	3,79
60	32	19	102	64	35	102	22	130	146	194	64	42	119	65,1	25,4	UCT 212	UC 212	T 212	4,79
65	32	21	111	70	41	121	26	151	167	224	70	44	137	65,1	25,4	UCT 213	UC 213	T 213	6,66
70	32	21	111	70	41	121	26	151	167	224	70	46	137	74,6	30,2	UCT 214	UC 214	T 214	6,75
75	32	21	111	70	41	121	26	151	167	232	70	48	140	77,8	33,3	UCT 215	UC 215	T 215	7,11
80	32	21	111	70	41	121	26	165	184	235	70	51	140	82,6	33,3	UCT 216	UC 216	T 216	8,19
85	38	29	124	73	48	157	30	173	198	260	73	54	162	85,7	34,1	UCT 217	UC 217	T 217	10,58

Note: Inch sizes available on request.

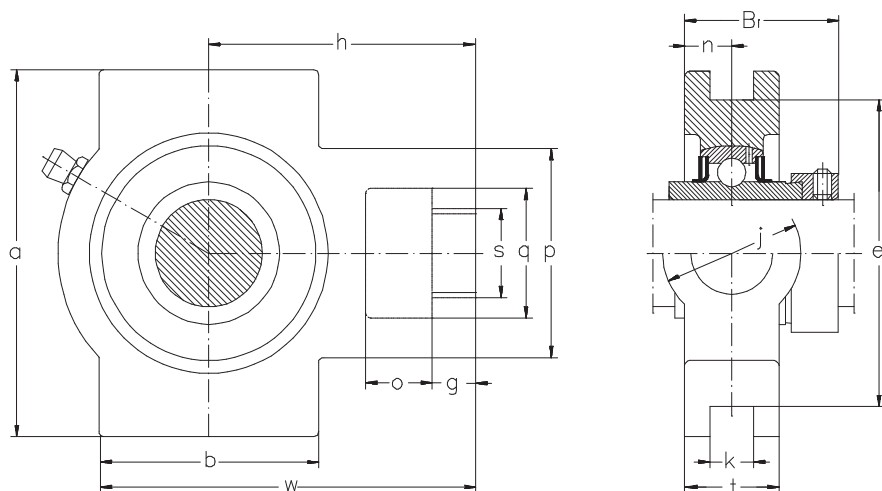
# Standard duty take-up units cast housing eccentric locking collar type



Shaft Nominal dia. dimensions															Unit number	Bearing number	Housing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h	Bi					n
20	16	10	51	32	19	51	13,5	76	89	94	32	21	61	29,5	7	SAST 204	SA 204	ST 204	0,74
25	16	10	51	32	19	51	13,5	76	89	97	32	24	62	30,5	7,5	SAST 205	SA 205	ST 205	0,82
30	16	10	56	37	22	57	13,5	89	102	113	37	28	70	33,9	8	SAST 206	SA 206	ST 206	1,27
35	16	13	64	37	22	64	13,5	89	102	129	37	30	78	37,5	8,5	SAST 207	SA 207	ST 207	1,61
40	19	16	83	49	29	83	17,5	101	114	144	49	33	88	40,5	9,5	SAST 208	SA 208	ST 208	2,31
45	19	16	83	49	29	83	17,5	101	117	144	49	35	87	42,2	10	SAST 209	SA 209	ST 209	2,28
50	19	16	83	49	29	86	17,5	101	117	149	49	37	90	43,7	10,5	SAST 210	SA 210	ST 210	2,49
55	25	19	102	64	35	95	27	130	146	171	64	38	106	48,4	11,5	SAST 211	SA 211	ST 211	3,52

Note: Inch sizes available on request.

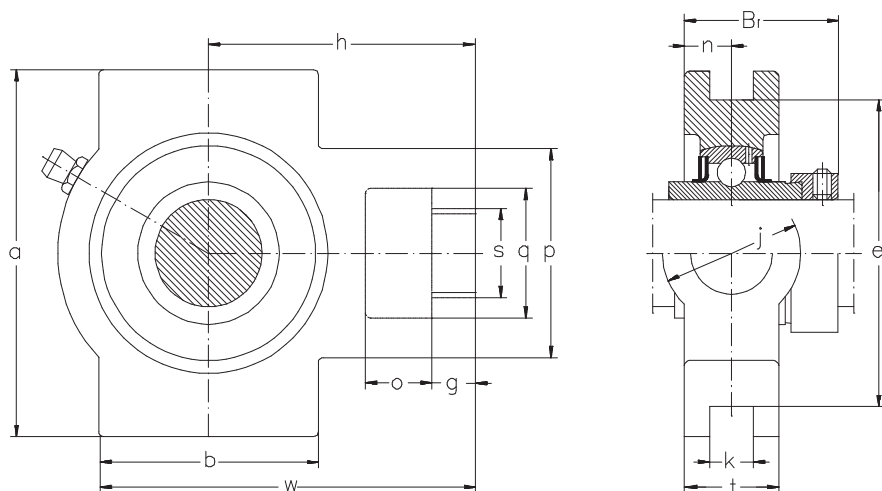
## Standard duty take-up units cast housing eccentric locking collar type



Shaft Nominal dia.	Dimensions														Unit number	Bearing number	Husing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h	Bi					n
mm															—			kg	
20	16	10	51	32	19	51	12	76	89	94	32	21	61	29,5	7	SAT 204	SA 204	T 204	0,74
25	16	10	51	32	19	51	12	76	89	97	32	24	62	30,5	7,5	SAT 205	SA 205	T 205	0,82
30	16	10	56	37	22	57	12	89	102	113	37	28	70	33,9	8	SAT 206	SA 206	T 206	1,27
35	16	13	64	37	22	64	12	89	102	129	37	30	78	37,5	8,5	SAT 207	SA 207	T 207	1,61
40	19	16	83	49	29	83	16	102	114	144	49	33	88	40,5	9,5	SAT 208	SA 208	T 208	2,32
45	19	16	83	49	29	83	16	102	117	144	49	35	87	42,2	10	SAT 209	SA 209	T 209	2,29
50	19	16	83	49	29	86	16	102	117	149	49	37	90	43,7	10,5	SAT 210	SA 210	T 210	2,50
55	25	19	102	64	35	95	22	130	146	171	64	38	106	48,4	11,5	SAT 211	SA 211	T 211	3,54

Note: Inch sizes available on request.

# Standard duty take-up units cast housing eccentric locking collar type

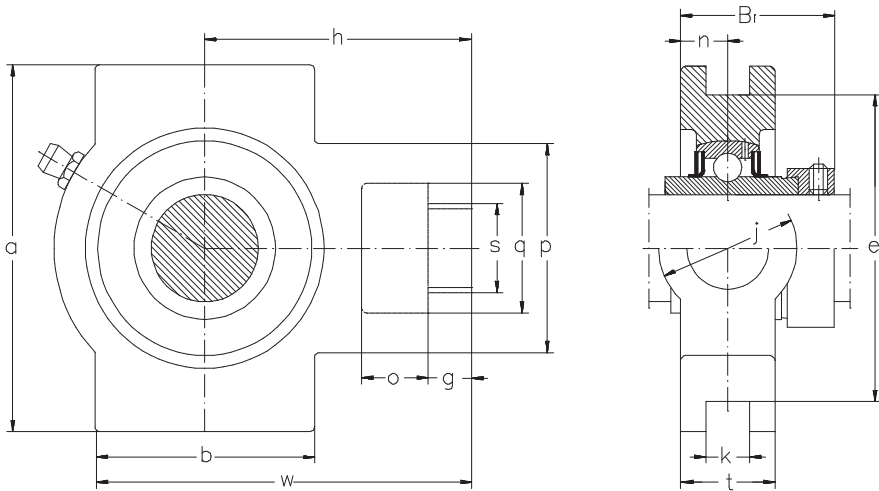


Shaft dia.	Nominal dimensions														Unit number	Bearing number	Housing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h	Bi					n
mm															—				kg
20	16	10	51	32	19	51	13,5	76	89	94	32	21	61	43,5	17	UELST 204	UEL 204	ST 204	0,78
25	16	10	51	32	19	51	13,5	76	89	97	32	24	62	44,3	17,4	UELST 205	UEL 205	ST 205	0,87
30	16	10	56	37	22	57	13,5	89	102	113	37	28	70	48,3	18,2	UELST 206	UEL 206	ST 206	1,35
35	16	13	64	37	22	64	13,5	89	102	129	37	30	78	51,1	18,8	UELST 207	UEL 207	ST 207	1,71
40	19	16	83	49	29	83	17,5	101	114	144	49	33	88	56,3	21,4	UELST 208	UEL 208	ST 208	2,44
45	19	16	83	49	29	83	17,5	101	117	144	49	35	87	56,3	21,4	UELST 209	UEL 209	ST 209	2,44
50	19	16	83	49	29	86	17,5	101	117	149	49	37	90	62,7	24,6	UELST 210	UEL 210	ST 210	2,70
55	25	19	102	64	35	95	27	130	146	171	64	38	106	71,3	27,7	UELST 211	UEL 211	ST 211	4,04
60	32	19	102	64	35	102	27	130	146	194	64	42	119	77,7	30,9	UELST 212	UEL 212	ST 212	5,11
65	32	21	111	70	41	121	27	151	167	224	70	44	137	85,7	34,1	UELST 213	UEL 213	ST 213	7,20
70	32	21	111	70	41	121	27	151	167	224	70	46	137	85,7	34,1	UELST 214	UEL 214	ST 214	7,26
75	32	21	111	70	41	121	27	151	167	232	70	48	140	92,1	37,3	UELST 215	UEL 215	ST 215	7,73

Note: Inch sizes available on request.



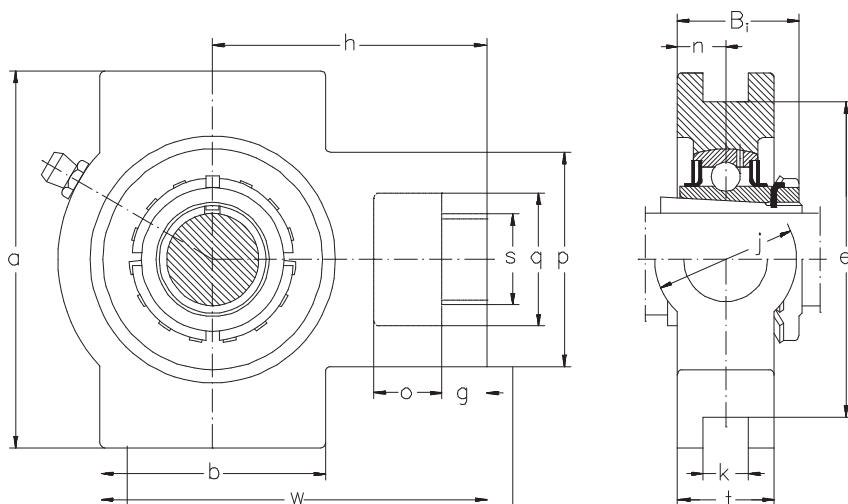
# Standard duty take-up units cast housing eccentric locking collar type



Shaft Nominal dia. dimensions															Unit number	Bearing number	Housing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h	Bi					n
mm															—			kg	
12	16	12	51	32	19	51	12	76	89	94	32	21	61	43,5	17	UELT 201	UEL 201	T 204	0,83
15	16	12	51	32	19	51	12	76	89	94	32	21	61	43,5	17	UELT 202	UEL 202	T 204	0,81
17	16	12	51	32	19	51	12	76	89	94	32	21	61	43,5	17	UELT 203	UEL 203	T 204	0,80
20	16	12	51	32	19	51	12	76	89	94	32	21	61	43,5	17	UELT 204	UEL 204	T 204	0,78
25	16	12	51	32	19	51	12	76	89	97	32	24	62	44,3	17,4	UELT 205	UEL 205	T 205	0,87
30	16	12	56	37	22	57	12	89	102	113	37	28	70	48,3	18,2	UELT 206	UEL 206	T 206	1,35
35	16	15	64	37	22	64	12	89	102	129	37	30	78	51,1	18,8	UELT 207	UEL 207	T 207	1,71
40	19	18	83	49	29	83	16	102	114	144	49	33	88	56,3	21,4	UELT 208	UEL 208	T 208	2,45
45	19	18	83	49	29	83	16	102	117	144	49	35	87	56,3	21,4	UELT 209	UEL 209	T 209	2,45
50	19	18	83	49	29	86	16	102	117	149	49	37	90	62,7	24,6	UELT 210	UEL 210	T 210	2,71
55	25	21	102	64	35	95	22	130	146	171	64	38	106	71,3	27,7	UELT 211	UEL 211	T 211	4,06
60	32	21	102	64	35	102	22	130	146	194	64	42	119	77,7	30,9	UELT 212	UEL 212	T 212	5,13
65	32	23	111	70	41	121	26	151	167	224	70	44	137	85,7	34,1	UELT 213	UEL 213	T 213	7,21
70	32	23	111	70	41	121	26	151	167	224	70	46	137	85,7	34,1	UELT 214	UEL 214	T 214	7,27
75	32	23	111	70	41	121	26	151	167	232	70	48	140	92,1	37,3	UELT 215	UEL 215	T 215	7,74

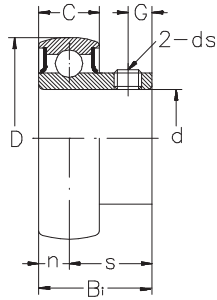
Note: Inch sizes available on request.

## Standard duty take-up units cast housing adapter type



Shaft Nominal dia.	Dimensions													Unit number	Bearing number	Housing number	Weight	
	o	g	p	q	s	b	k	e	a	w	j	t	h					Bi
20	16	12	51	32	19	51	12	76	89	97	32	24	62	35	UKT 205	UK 205	T 205	0,77
25	16	12	56	37	22	57	12	89	102	113	37	28	70	38	UKT 206	UK 206	T 206	1,19
30	16	15	64	37	22	64	12	89	102	129	37	30	78	43	UKT 207	UK 207	T 207	1,48
35	19	18	83	49	29	83	16	102	114	144	49	33	88	46	UKT 208	UK 208	T 208	2,15
40	19	18	83	49	29	83	16	102	117	144	49	35	87	50	UKT 209	UK 209	T 209	2,13
45	19	18	83	49	29	86	16	102	117	149	49	37	90	55	UKT 210	UK 210	T 210	2,29
50	25	21	102	64	35	95	22	130	146	171	64	38	106	59	UKT 211	UK 211	T 211	3,44
55	32	21	102	64	35	102	22	130	146	194	64	42	119	62	UKT 212	UK 212	T 212	4,29
60	32	23	111	70	41	121	26	151	167	224	70	44	137	65	UKT 213	UK 213	T 213	6,16

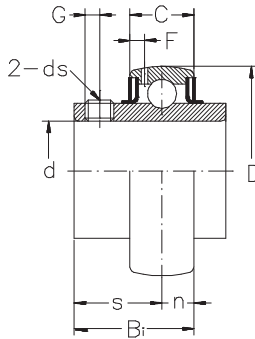
# Standard duty spherical outside surface ball bearings set screws type



Shaft dia.	Nominal dimensions		Bi	C	n	s	G	ds	Bearing number	Basic load ratings		Weight
	d	D								dyn. Cr	stat. Cor	
mm									—	N		kg
12	12	40	22	12	6	16	4	M5X0,8	<b>SB 201</b>	9,6	4,6	0,10
15	15	40	22	12	6	16	4	M5X0,8	<b>SB 202</b>	9,6	4,6	0,09
17	17	40	22	12	6	16	4	M5X0,8	<b>SB 203</b>	9,6	4,6	0,08
20	20	47	25	14	7	18	5	M6X1	<b>SB 204</b>	12,8	6,65	0,13
25	25	52	27	15	7,5	19,5	5,5	M6X1	<b>SB 205</b>	14	7,85	0,17
30	30	62	29	16	8	21	6	M6X1	<b>SB 206</b>	19,5	11,3	0,26
35	35	72	32	17	8,5	23,5	6,5	M6X1	<b>SB 207</b>	25,7	15,3	0,38
40	40	80	34	19	9,5	24,5	7	M8X1	<b>SB 208</b>	29,1	17,8	0,50

Note: Inch sizes available on request.

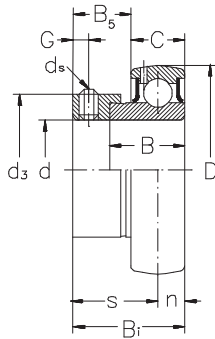
# Standard duty spherical outside surface ball bearings set screws type



Shaft Nominal dia.	Nominal dimensions		Bi	C	n	s	G	F	ds	Bearing number	Basic load ratings		Weight kg
	d	D									dyn. Cr	stat. Cor	
12	12	47	31	16	12,7	18,3	5	3,5	M5X0,8	<b>UC 201</b>	12,8	6,65	0,21
15	15	47	31	16	12,7	18,3	5	3,5	M5X0,8	<b>UC 202</b>	12,8	6,65	0,20
17	17	47	31	16	12,7	18,3	5	3,5	M5X0,8	<b>UC 203</b>	12,8	6,65	0,19
20	20	47	31	16	12,7	18,3	5	3,5	M6X1	<b>UC 204</b>	12,8	6,65	0,17
25	25	52	34	17	14,3	19,7	5,5	4	M6X1	<b>UC 205</b>	14	7,85	0,21
30	30	62	38,1	19	15,9	22,2	6	4,2	M6X1	<b>UC 206</b>	19,5	11,3	0,32
35	35	72	42,9	20	17,5	25,4	6,5	4,3	M8X1	<b>UC 207</b>	25,7	15,3	0,47
40	40	80	49,2	21	19	30,2	8	4,2	M8X1	<b>UC 208</b>	29,1	17,8	0,64
45	45	85	49,2	22	19	30,2	8	4,2	M8X1	<b>UC 209</b>	32,5	20,4	0,68
50	50	90	51,6	23	19	32,6	9	4,8	M10X1,25	<b>UC 210</b>	35	23,2	0,80
55	55	100	55,6	25	22,2	33,4	9	5,3	M10X1,25	<b>UC 211</b>	43,5	29,2	1,12
60	60	110	65,1	27	25,4	39,7	10,5	5,3	M10X1,25	<b>UC 212</b>	52,5	36	1,53
65	65	120	65,1	28	25,4	39,7	12	6	M12X1,25	<b>UC 213</b>	57,5	40	1,86
70	70	125	74,6	30	30,2	44,4	12	6	M12X1,25	<b>UC 214</b>	62	44	2,05
75	75	130	77,8	30	33,3	44,5	12	6	M12X1,25	<b>UC 215</b>	66	49,5	2,21
80	80	140	82,6	33	33,3	49,3	14	6,3	m12x1,25	<b>UC 216</b>	72,5	53	2,79
85	85	150	85,7	35	34,1	51,6	14	6,5	M12X1,25	<b>UC 217</b>	83,5	64	3,38
90	90	160	96	37	39,7	56,3	14	6,5	M12X1,25	<b>UC 218</b>	96	71,5	4,45

Note: Inch sizes available on request.

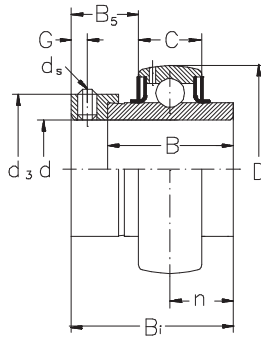
# Standard duty spherical outside surface ball bearings eccentric locking collar type



Shaft dia.	Nominal dimensions			B	C	n	s	G	ds	d <sub>3</sub>	B <sub>5</sub>	Bearing number	Basic load ratings		Weight
	d	D	Bi										d <sub>yn.</sub> C <sub>r</sub>	stat. C <sub>0r</sub>	
12	12	40	28,5	19	12	6	22,5	4,8	M6X1	28,6	13,5	SA 201	9,6	4,6	0,14
15	15	40	28,5	19	12	6	22,5	4,8	M6X1	28,6	13,5	SA 202	9,6	4,6	0,13
17	17	40	28,5	19	12	6	22,5	4,8	M6X1	28,6	13,5	SA 203	9,6	4,6	0,12
20	20	47	29,5	20	14	7	22,5	4,8	M6X1	33,3	13,5	SA 204	12,8	6,65	0,18
25	25	52	30,5	21	15	7,5	23	4,8	M6X1	38,1	13,5	SA 205	14	7,85	0,20
30	30	62	33,9	22	16	8	25,9	6	M6X1	44,5	15,9	SA 206	19,5	11,3	0,33
35	35	72	37,5	24	17	8,5	29	6,8	M8X1	55,6	17,5	SA 207	25,7	15,3	0,50
40	40	80	40,5	27	19	9,5	31	6,8	M8X1	60,3	18,3	SA 208	29,1	17,8	0,65
45	45	85	42,2	28,7	20	10	32,2	6,8	M8X1	63,5	18,3	SA 209	32,5	20,4	0,69
50	50	90	43,7	30,2	21	10,5	33,2	6,8	M8X1	69,9	18,3	SA 210	35	23,2	0,80
55	55	100	48,8	32,4	23	11,5	36,9	8	M10X1,25	76,2	18,3	SA 211	43,5	29,2	0,87

Note: Inch sizes available on request.

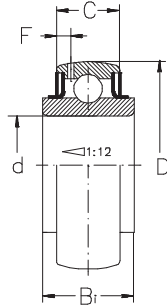
# Standard duty spherical outside surface ball bearings eccentric locking collar type



ShaftNominal dia. dimensions												Bearing number	Basic load ratings		Weight kg
d	D	Bi	C	n	B	G	d <sub>3</sub>	B <sub>5</sub>	F	d <sub>s</sub>	—		dyn. C <sub>r</sub>	stat. C <sub>0r</sub>	
mm												—	N	kg	
12	12	47	43,5	16	17	34	4,8	33,3	13,5	3,5	M6X1	UEL 201	12,8	6,65	0,27
15	15	47	43,5	16	17	34	4,8	33,3	13,5	3,5	M6X1	UEL 202	12,8	6,65	0,25
17	17	47	43,5	16	17	34	4,8	33,3	13,5	3,5	M6X1	UEL 203	12,8	6,65	0,24
20	20	47	43,5	16	17	34	4,8	33,3	13,5	3,5	M6X1	UEL 204	12,8	6,65	0,22
25	25	52	44,3	17	17,4	34,8	4,8	38,1	13,5	4	M6X1	UEL 205	14	7,85	0,25
30	30	62	48,3	19	18,2	36,4	6	44,5	15,9	4,2	M8X1	UEL 206	19,5	11,3	0,41
35	35	72	51,1	20	18,8	37,6	6,8	55,6	17,5	4,3	M8x1	UEL 207	25,7	15,3	0,60
40	40	80	56,3	21	21,4	42,8	6,8	60,3	18,3	4,2	M8x1	UEL 208	29,1	17,8	0,78
45	45	85	56,3	22	21,4	42,8	6,8	63,5	18,3	4,2	M8X1	UEL 209	32,5	20,4	0,85
50	50	90	62,7	23	24,6	49,2	6,8	69,9	18,3	4,8	M8X1	UEL 210	35	23,2	1,01
55	55	100	71,3	25	27,7	55,4	8	76,2	20,7	5,3	M10X1,25	UEL 211	43,5	29,2	1,39
60	60	110	77,7	27	30,9	61,8	8	84	22,3	5,3	M10X1,25	UEL 212	52,5	36	1,87
65	65	120	85,7	28	34,1	68,2	8,7	86	23,5	6	M10X1,25	UEL 213	57,5	40	2,41
70	70	125	85,7	30	34,1	68,2	8,7	96	23,9	6	M10X1,25	UEL 214	62	44	2,57
75	75	130	92,1	30	37,3	74,6	8,7	102	23,9	6	M10X1,25	UEL 215	66	49,5	2,84

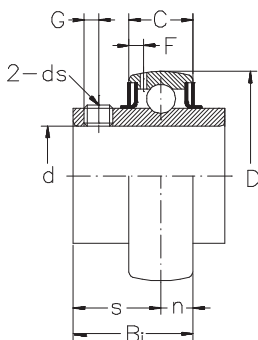
Note: Inch sizes available on request.

# Standard duty spherical outside surface ball bearings adapter type



Shaft dia.	Nominal dimensions					Bearing number	Basic load ratings		Weight
	d	D	B	C	F		dyn. $C_r$	stat. $C_{or}$	
mm						—	N		kg
<b>20</b>	25	52	21	17	4,2	<b>UK 205</b>	14	7,85	0,15
<b>25</b>	30	62	25	19	4,5	<b>UK 206</b>	19,5	11,3	0,25
<b>30</b>	35	72	27	20	4,2	<b>UK 207</b>	25,7	15,3	0,37
<b>35</b>	40	80	29	21	4,2	<b>UK 208</b>	29,1	17,8	0,48
<b>40</b>	45	85	30	22	4,2	<b>UK 209</b>	32,5	20,4	0,53
<b>45</b>	50	90	31	23	5	<b>UK 210</b>	35	23,2	0,59
<b>50</b>	55	100	33	27	6,3	<b>UK 211</b>	43,5	29,2	0,77
<b>55</b>	60	110	36	27	5,3	<b>UK 212</b>	52,5	36	1,03
<b>60</b>	65	120	36	28	6	<b>UK 213</b>	57,5	40	1,36

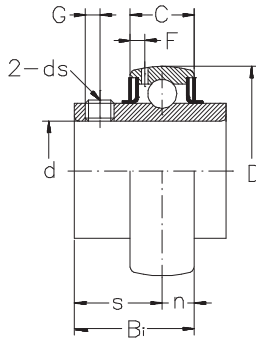
# Medium duty spherical outside surface ball bearings set screws type



Shaft Nominal dia.	Nominal dimensions									Bearing number	Basic load ratings		Weight kg
	d	D	Bi	C	n	s	G	F	ds		dyn. Cr	stat. Cor	
mm										—	N		kg
25	25	62	38,1	19	15,9	22,2	6	5	M6X1	<b>UC X05</b>	19,5	11,3	0,39
30	30	72	42,9	22	17,5	25,4	6,5	5,8	M8X1	<b>UC X06</b>	25,7	15,3	0,58
35	35	80	49,2	21	19	30,2	8	6,3	M8X1	<b>UC X07</b>	29,1	17,8	0,74
40	40	85	49,2	22	19	30,2	8	6,8	M8X1	<b>UC X08</b>	32,5	20,4	0,83
45	45	90	51,6	23	19	32,6	9	6,5	M10X1,25	<b>UC X09</b>	35	23,2	0,95
50	50	100	55,6	25	22,2	33,4	9	7,2	M10X1,25	<b>UC X10</b>	43,5	29,2	1,29
55	55	110	65,1	27	25,4	39,7	10,5	8,2	M10X1,25	<b>UC X11</b>	52,5	36	1,80
60	60	120	65,1	28	25,4	39,7	12	8	M12X1,25	<b>UC X12</b>	57,5	40	2,05
65	65	125	74,6	30	30,2	44,4	12	9	M12X1,25	<b>UC X13</b>	62	44	2,52
70	70	130	77,8	30	33,3	44,5	12	9	M12X1,25	<b>UC X14</b>	66	49,5	2,74
75	75	140	82,6	33	33,3	49,3	14	10,3	M12X1,25	<b>UC X15</b>	72,5	53	3,41
80	80	150	85,7	35	34,1	51,6	14	11	M12X1,25	<b>UC X16</b>	83,2	63,8	3,87



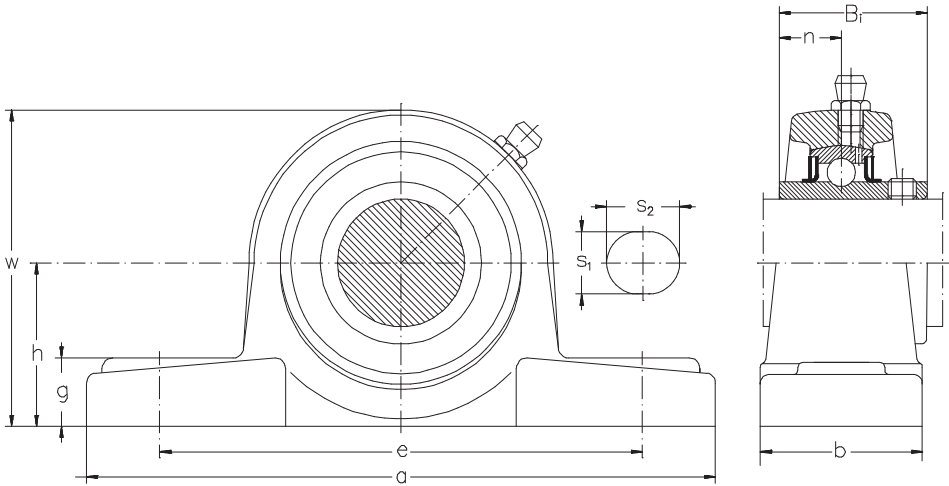
# Heavy duty spherical outside surface ball bearings set screws type



Shaft Nominal dia.	Nominal dimensions			C	n	s	G	F	ds	Bearing number	Basic load ratings		Weight
	d	D	Bi								dyn. Cr	stat. Cor	
mm										—	N		kg
25	25	62	38	21	15	23	6	4,3	M6X1	<b>UC 305</b>	21,2	10,9	0,35
30	30	72	43	24	17	26	6	5,5	M6X1	<b>UC 306</b>	26,7	15	0,56
35	35	80	48	25	19	29	8	5,3	M8X1	<b>UC 307</b>	33,5	19,1	0,71
40	40	90	52	28	19	33	10	5,5	M10X1,25	<b>UC 308</b>	40,5	24	0,96
45	45	100	57	30	22	35	10	6	M10X1,25	<b>UC 309</b>	53	32	1,28
50	50	110	61	32	22	39	12	6,1	M12X1,25	<b>UC 310</b>	62	38,5	1,65
55	55	120	66	34	25	41	12	6,4	M12X1,25	<b>UC 311</b>	71,5	45	1,90
60	60	130	71	36	26	45	12	6,7	M12X1,25	<b>UC 312</b>	82	52	2,60
65	65	140	75	38	30	45	12	6,9	M12X1,25	<b>UC 313</b>	92,5	60	3,25
70	70	150	78	40	33	47	12	7,2	M12X1,25	<b>UC 314</b>	104	68	3,95
75	75	160	82	42	32	50	14	7,5	M14X1,5	<b>UC 315</b>	113	77	4,33
80	80	170	86	44	34	52	14	7,5	M14X1,5	<b>UC 316</b>	122	86	5,57

# SSUCP series pillow blocks

## Normal duty with set screw lock and grease fitting

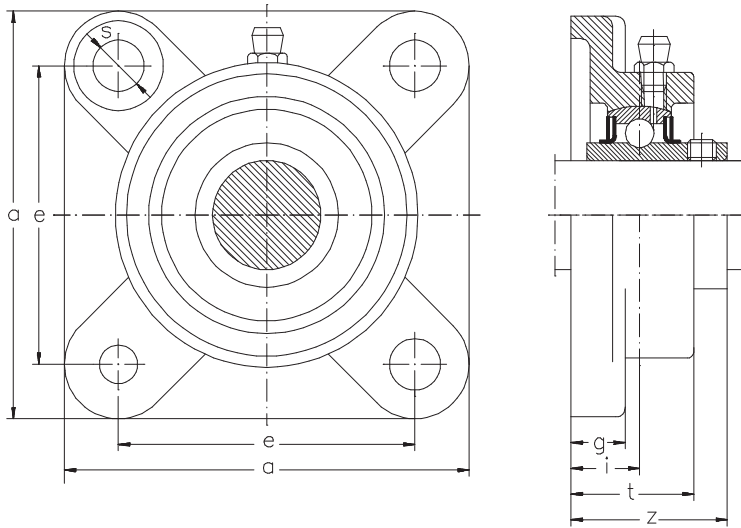


Dimensions											Unit no.	Bolt size	Bearing no.	Housing no.
d	B	n	b	h	g	w	a	e	s <sub>1</sub>	s <sub>2</sub>	—	mm	—	—
mm														
12	27,4	11,5	38	30,2	14	62	127	95	12	19	SSUCP201	M10	SSUC201	SSP203
15	27,4	11,5	38	30,2	14	62	127	95	12	19	SSUCP202	M10	SSUC202	SSP203
17	27,4	11,5	38	30,2	14	62	127	95	12	19	SSUCP203	M10	SSUC203	SSP203
20	31	12,7	38	33,3	15	65	127	95	12	19	SSUCP204	M10	SSUC204	SSP204
25	34,1	14,3	38	36,5	16	70	140	105	12	19	SSUCP205	M10	SSUC205	SSP205
30	38,1	15,9	48	42,9	18	83	165	121	15	21	SSUCP206	M12	SSUC206	SSP206
35	42,9	17,5	48	47,6	19	94	167	127	15	21	SSUCP207	M12	SSUC207	SSP207
40	49,2	19	54	49,2	19	100	184	137	15	23	SSUCP208	M12	SSUC208	SSP208
45	49,2	19	54	54	20	108	190	146	15	23	SSUCP209	M12	SSUC209	SSP209
50	51,6	19	60	57,2	22	114	206	159	19	25	SSUCP210	M16	SSUC210	SSP210

Note: Grease fitting 1/4 - 28 UNF.

# SSUCF series four bolt flanges

## Normal duty with set screw lock and grease fitting

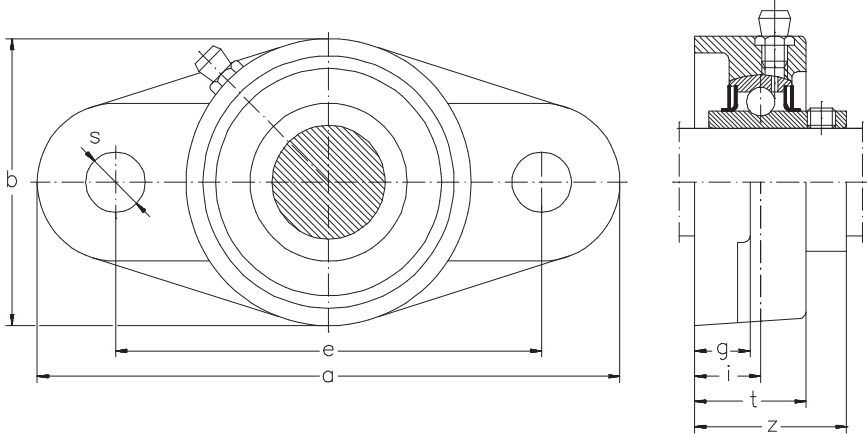


Dimensions		t	g	i	s	a	e	Unit no.	Bolt size	Bearing no.	Housing no.
d	z										
mm								—	mm	—	
12	30,9	24	11	15	12	76	54	SSUCF201	M10	SSUC201	SSF203
15	30,9	24	11	15	12	76	54	SSUCF202	M10	SSUC202	SSF203
17	20,9	24	11	15	12	76	54	SSUCF203	M10	SSUC203	SSF203
20	33,3	25	11	15	12	86	63,5	SSUCF204	M10	SSUC204	SSF204
25	35,8	26,5	13	16	12	95	70	SSUCF205	M10	SSUC205	SSF205
30	40,2	30	13	18	15	108	82,5	SSUCF206	M12	SSUC206	SSF206
35	44,4	33	14	19	15	117	92	SSUCF207	M12	SSUC207	SSF207
40	51,2	36	14	21	15	130	101,5	SSUCF208	M12	SSUC208	SSF208
45	52,2	38	14	22	15	137	105	SSUCF209	M12	SSUC209	SSF209
50	54,6	39	15	22	19	143	111	SSUCF210	M16	SSUC210	SSF210

Note: Grease fitting 1/4 - 28 UNF.

# SSUCFL series two bolt flanges

## Normal duty with set screw lock and grease fitting

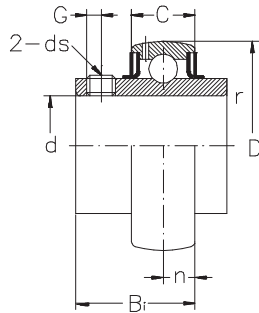


Dimensions									Unit no.	Bolt size	Bearing no.	Housing no
d	z	t	g	i	b	s	a	e				
mm										—	mm	—
12	30,9	24	11	15	55	12	98,5	76,5	SSUCFL201	M10	SSUC201	SSFL203
15	30,9	24	11	15	55	12	98,5	76,5	SSUCFL202	M10	SSUC202	SSFL203
17	30,9	24	11	15	55	12	98,5	76,5	SSUCFL203	M10	SSUC203	SSFL203
20	33,3	25	11	15	60	12	112	90	SSUCFL204	M10	SSUC204	SSFL204
25	35,8	26,5	13	16	68	12	124	99	SSUCFL205	M10	SSUC205	SSFL205
30	40,2	30	13	18	80	15	141	116,5	SSUCFL206	M12	SSUC206	SSFL206
35	44,4	33	14	19	90	15	155,5	130	SSUCFL207	M12	SSUC207	SSFL207
40	51,2	36	14	21	100	15	171,5	143,5	SSUCFL208	M12	SSUC208	SSFL208
45	52,2	38	14	22	108	15	179	148,5	SSUCFL209	M12	SSUC209	SSFL209
50	54,6	39	15	22	115	19	189	157	SSUCFL210	M16	SSUC210	SSFL210

Note: Grease fitting 1/4 - 28 UNF.

# SSUC series bearing insert

## Normal duty with set screw lock



Dimensions		B	S	r <sub>min</sub>	C	d <sub>s</sub>	G	Load cap.		Designation
d H7	D h5							C <sub>r</sub> *	C <sub>or</sub>	
mm						N		—		
12	40	27,4	11,5	0,6	14	M5 x 0,5	4	7350	4750	SSUC201
15	40	27,4	11,5	0,6	14	M5 x 0,5	4	7350	4750	SSUC202
17	40	27,4	11,5	0,6	14	M5 x 0,5	4	7350	4750	SSUC203
20	47	31	12,7	1	17	M6 x 0,75	5	9800	6550	SSUC204
25	52	34,1	14,3	1	17	M6 x 0,75	5	10800	7800	SSUC205
30	62	38,1	15,9	1	19	M6 x 0,75	5	15000	11200	SSUC206
35	72	42,9	17,5	1,1	20	M8 x 1	7	19600	15300	SSUC207
40	80	49,2	19	1,1	21	M8 x 1	8	23600	19000	SSUC208
45	85	49,2	19	1,1	22	M8 x 1	8	25500	21600	SSUC209
50	90	51,6	19	1,1	24	M10 x 1	10	27000	23200	SSUC210

Note: \*Multiply the load "C<sub>r</sub>" by 1,3 if the tolerance of mounted shaft is "h6" or higher.