

Flanged housing units – corrosion-resistant

Series PCSTK, RCSTKY..VA, PCSK, RCSKY..VA



New Series



Features

Flanged housing units

- are ready-to-fit units comprising:
 - cast iron oval or square flanged housings
 - radial insert ball bearings
- are particularly easy to install
 - they are slid onto the shaft, positioned and secured
- compensate for static angular misalignment of the shaft:
 - if relubrication is used, up to $\pm 2,5^\circ$
- are resistant to moisture, contaminated water and weak alkaline or weak acidic cleaning agents
- are resistant to mould and fungal attack
- can be fitted with bearing end caps to cover the shaft ends.

Housings

- are two-piece units comprising:
 - a flanged part made from polypropylene, combined with
 - a flanged part made from corrosion-resistant alloy steel
- have a threaded hole $R_p 1/8$ for conventional lubrication nipples. The hole is closed off using a plastic plug.
- are fastened to the adjacent construction using screws.

Radial insert ball bearings

- are located on the shaft by means of an eccentric locking collar or two grub screws
- are suitable for drawn shafts up to grade h9
- are protected against corrosion
- are greased
 - series GRAE..NPPB is greased with barium complex grease with a mineral oil base according to DIN 51825-KP2N-20
 - series GYE..KRRB VA is greased with lithium soap grease with a mineral oil base to DIN 51825-K3K-30
- can be relubricated by means of two lubrication holes offset by 180° in the outer ring
- are suitable for operating temperatures from -20°C to $+80^\circ\text{C}$.

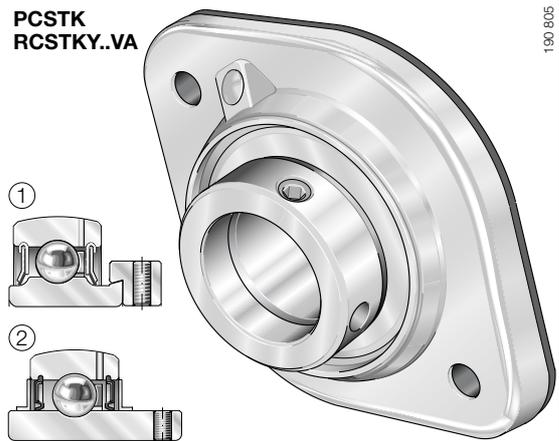


Further information on flanged housing units is given in *INA Catalogue "520"*.

Oval flanged housing units



PCSTK RCSTKY..VA



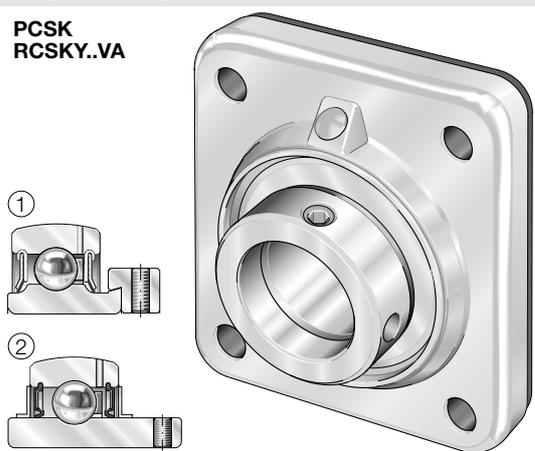
190 806

- ① unit with GRAE..NPPB FA107/125.5
 - radial insert ball bearing and eccentric locking collar coated with Corrotect®
 - zinc-plated P seals on both sides
- ② unit with GYE..KRRB VA
 - bearing rings and rolling elements made from corrosion-resistant, high alloy rolling bearing steel
 - RSR seals with additional flinger shields on both sides

Square flanged housing units



PCSK RCSKY..VA

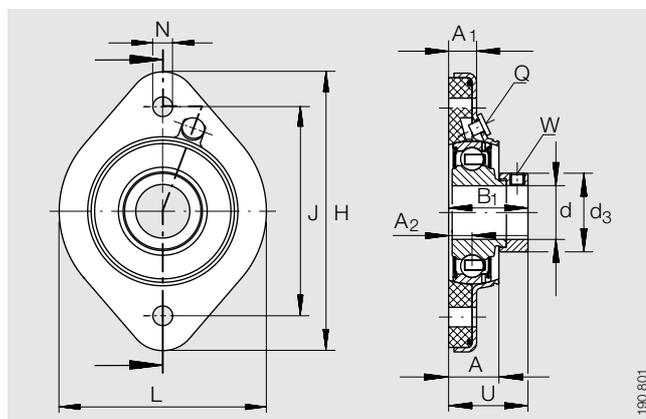


190 806

- ① unit with GRAE..NPPB FA107/125.5
 - radial insert ball bearing and eccentric locking collar coated with Corrotect®
 - zinc-plated P seals on both sides
- ② unit with GYE..KRRB VA
 - bearing rings and rolling elements made from corrosion-resistant, high alloy rolling bearing steel
 - RSR seals with additional flinger shields on both sides

Flanged housing units – corrosion-resistant

Séries PCSTK
RCSTKY..VA
PCSK
RCSKY..VA



PCSTK

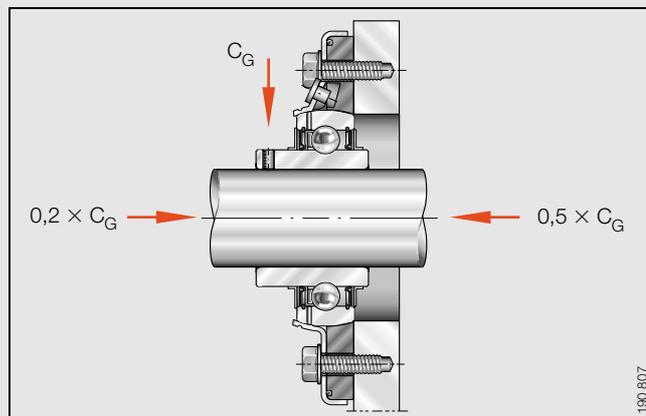
Dimension table · Dimensions in mm

Shaft diameter	Unit Designation	Housing Designation	Bearing Designation	Mass ≈ kg	Dimensions			
					L	H	A ₁	N
30	PCSK 30-208	GEH 80 CSK	GRAE 30-208 NPPB FA107/125.5	0,94	110	121	14,5	11
	PCSTK 30-208	GEH 80 CSTK	GRAE 30-208 NPPB FA107/125.5	0,93	115	156	15,5	11
40	PCSK 40	GEH 80 CSK	GRAE 40 NPPB FA107/125.5	0,93	110	121	14,5	11
	PCSTK 40	GEH 80 CSTK	GRAE 40 NPPB FA107/125.5	0,92	115	156	15,5	11
	RCSKY 40 VA	GEH 80 CSK	GYE 40 KRRB VA FA107	0,94	110	121	14,5	11
	RCSTKY 40 VA	GEH 80 CSTK	GYE 40 KRRB VA FA107	0,93	115	156	15,5	11

1) Fixing screws must be ordered separately.

2)  The axial load carrying capacity is restricted by:
– the load carrying capacity of the housing (see figure)
– the method of linking the shaft and inner ring.
Information: see *INA Catalogue "520"*, page 33.

3) Tightening torques for grub screws:
W4 = 14 Nm
W5 = 26 Nm.



Axial load carrying capacity of housing

Bearing end caps

Polypropylene bearing end caps are available for covering the ends of shafts. The caps have a breakout section that allows the shaft to pass through if necessary.

They:

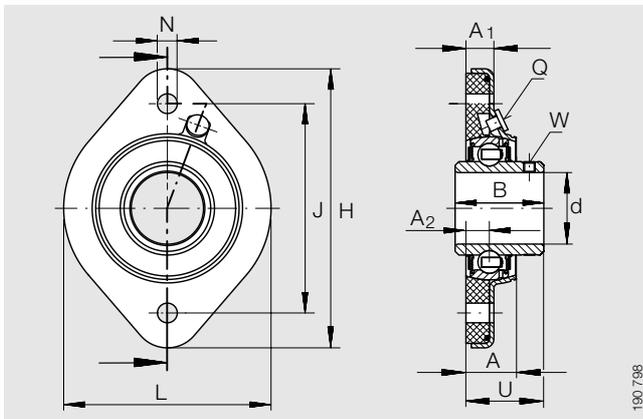
- give protection against injuries caused by rotating shafts
- give the bearing additional protection against contamination.

Bearing end caps must always be ordered separately.

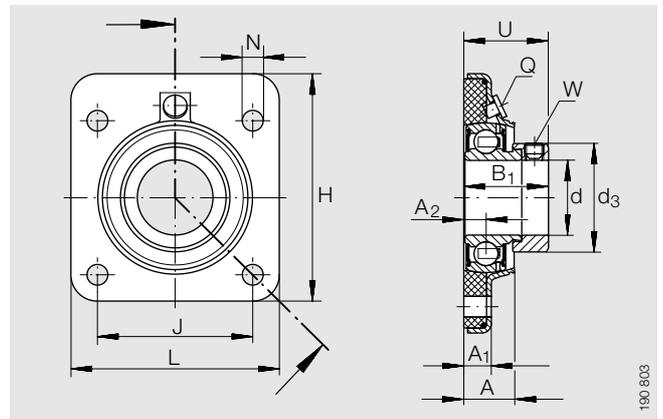
Ordering designation: **KASK 08 S**.



Bearing end cap

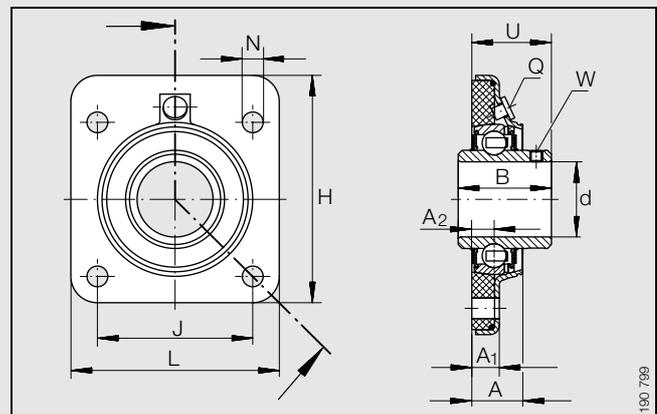


RCSTKY..VA



PCSK

Dimensions									Load carrying capacity Housing $C_G^{2)}$ N	Basic load ratings of bearing		Tightening torque Fixing screws ¹⁾ M_A Nm	Shaft diameter d
B	B ₁	J	A ₂	Q	d ₃ max.	A	U	W ³⁾		dyn. C_r N	stat. C_{0r} N		
-	42,1	82	12	R_p 1/8	44	27	43	4	10 000	32 500	19 800	50	30
-	42,1	117	13	R_p 1/8	44	28	44	4	6 000	32 500	19 800	50	
-	43,7	82	12	R_p 1/8	58	27	44,8	5	10 000	32 500	19 800	50	40
-	43,7	117	13	R_p 1/8	58	28	45,8	5	6 000	32 500	19 800	50	
49,2	-	82	12	R_p 1/8	-	27	42,2	4	10 000	32 500	19 800	50	
49,2	-	117	13	R_p 1/8	-	28	43,2	4	6 000	32 500	19 800	50	



RCSKY..VA



INA-Schaeffler KG

91072 Herzogenaurach · Germany

Internet www.ina.com

E-Mail info@ina.com

In Germany:

Telephone 0180/5 00 38 72

Fax 0180/5 00 38 73

From other countries:

Telephone +49/91 32/82-0

Fax +49/91 32/82-49 50