Technical Data

This brochure provides basic dimensional and technical data pertaining to INA's housing and insert bearings.

If detailed information is required for unique applications, it can be obtained from the *INA catalogue 517* or by contacting the INA Engineering Service.

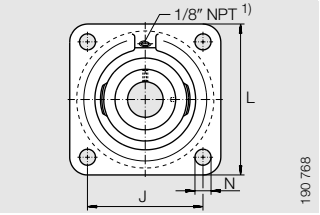
Product Description

- Cast iron housing with ball bearing.
- Spherical interface between bearing and housing accommodates static misalignment.
- Relubricable through housing.

Housing Features

- Standard material is grey cast iron as per ASTM A48 class 30 or equivalent (ductile iron available on request subject to minimum quantity).
- The housings for the bearing units shown in this brochure are made in Canada. Additional sizes to follow. These housings have a durable powder coat finish. Green is the standard colour.

Square Four-Bolt Flange Housings (CJ)



CJ Housing

Dimension table (continued) · Dimensions in mm/*inch*

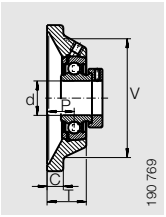
Shaft Diameter d		Unit Part Number				Housing Part Number	Mass
mm	*inch*						≈kg
–	$1^{15}/_{16}$	**PCJ $1^{15}/_{16}$**	**PCJY $1^{15}/_{16}$**	**RCJ $1^{15}/_{16}$**	**RCJY $1^{15}/_{16}$**	GG CJ 10	2.9
50	–	**PCJ 50**	**PCJY 50**	**RCJ 50**	**RCJY 50**		–
–	**2**	–	**PCJY 2-210**	–	–		
–	**2**	**PCJ 2**	–	**RCJ 2**	**RCJY 2**	GG CJ 11	4.1
55	–	**PCJ 55**	–	**RCJ 55**	**RCJY 55**		–
–	$2^{3}/_{16}$	**PCJ $2^{3}/_{16}$**	–	**RCJ $2^{3}/_{16}$**	**RCJY $2^{3}/_{16}$**		
–	$2^{1}/_{4}$	–	–	–	**RCJY $2^{1}/_{4}$**	GG CJ 12	5
60	_	**PCJ 60**	**PCJY 60**	**RCJ 60**	**RCJY 60**		–
–	$2^{7}/_{16}$	**PCJ $2^{7}/_{16}$**	–	**RCJ $2^{7}/_{16}$**	**RCJY $2^{7}/_{16}$**		
–	$2^{1}/_{2}$	–	–	–	**RCJY $2^{1}/_{2}$-213**	GG CJ 13	5.4
65	–	–	–	–	**RCJY 65-213**		–
–	$2^{1}/_{2}$	–	–	–	**RCJY $2^{1}/_{2}$**	GG CJ 14	6.1
65	–	–	–	**RCJ 65**	**RCJY 65**		–
–	$2^{11}/_{16}$	–	–	**RCJ $2^{11}/_{16}$**	–		
70	–	–	–	**RCJ 70**	**RCJY 70**		
–	$2^{3}/_{4}$	–	–	–	**RCJY $2^{3}/_{4}$**	GG CJ 15	6.5
–	$2^{15}/_{16}$	–	–	**RCJ $2^{15}/_{16}$**	**RCJY $2^{15}/_{16}$**		–
75	–	–	–	**RCJ 75**	**RCJY 75**		
–	**3**	–	–	–	**RCJY 3**	GG CJ 16	6.9
80	–	–	–	**RCJ 80**	**RCJY 80**		–

Larger Sizes: See *catalogue 517*.

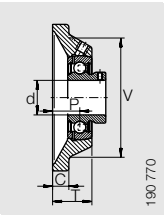
1) Sizes CJ 03/CJ 04: ¼-28 UNF.

2) Limiting Speed – see page 3.

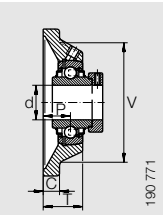
3) Pounds = kN (kilonewtons)×1000 ÷4.45.



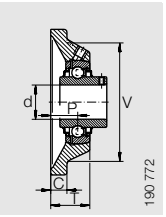
PCJ



PCJY



RCJ



RCJY

Millimeters (nominal)/*Inch* (rounded to nearest fraction)							Speed[2]	Capacity[3]		Shaft Diameter d	
A	C	K	M	P	T	V	RPM	dyn.	stat.		
								kN	kN	mm	*inch*
143	15	17	111	28	42	106	800	35	23.2	–	***1 15/16***
5 5/8	*19/32*	*21/32*	*4 3/8*	*1 3/32*	*1 21/32*	*4 3/16*	–			**50**	**–**
										–	***2***
162.5	17	17	130	31	47	112	730	43.5	29	–	***2***
6 13/32	*21/32*	*21/32*	*5 1/8*	*1 7/32*	*1 27/32*	*4 13/32*	–			**55**	**–**
										–	***2 3/16***
175.5	17.5	18	143	34	49	122.5	670	52	36	–	***2 1/4***
6 29/32	*11/16*	*23/32*	*5 5/8*	*1 11/32*	*1 15/16*	*4 27/32*	–			**60**	**–**
										–	***2 7/16***
187	22	19	149	30	41.5	150	620	57	40	–	***2 1/2***
7 3/8	*7/8*	*3/4*	*5 7/8*	*1 3/16*	*1 5/8*	*5 29/32*	–			**65**	**–**
										–	***2 1/2***
188	18	18	150	38	52	165	570	62	44	**65**	**–**
7 13/32	*23/32*	*23/32*	*5 29/32*	*1 1/2*	*2 1/16*	*6 1/2*	–			–	***2 11/16***
										70	**–**
197	20	23	153	41.3	55.8	170	530	62	44.5	–	***2 3/4***
7 3/4	*25/32*	*29/32*	*6 1/32*	*1 5/8*	*2 3/16*	*6 11/16*	–			–	***2 15/16***
										75	**–**
197	20	23	153	41.3	55.8	180	500	72	54	–	***3***
7 3/4	*25/32*	*29/32*	*6 1/32*	*1 5/8*	*2 3/16*	*7 3/32*	–			**80**	**–**