



## 10 Nomenclature

Nomenclature of FYH Ball Bearing Units conform to ISO B 1557, and comprise the bearing unit model code (comprising bearing model code and housing model code),

diameter series code, bore diameter. code, accessory code, and special code.

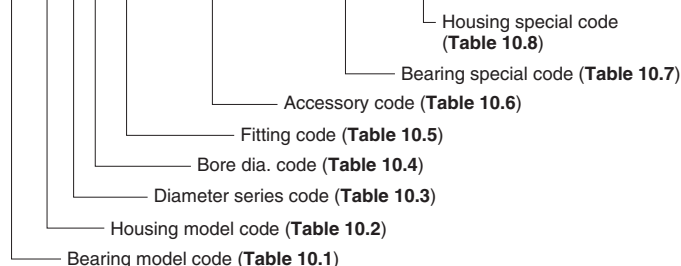
**UC P 207 J L3**

Bearing No.:	UC207L3
Housing No.:	P207J

**UK P 209 J CD + H2309X**

Bearing No.:	UK209+H2309X
Housing No.:	P209JE1
Steel plate cover No.:	(Open type) C-9x40 (Closed type) D-9

**UC F 209 J L3 FD D1K2 G6 A1**



Bearing No.:	UC209L3D1K2G6
Housing No.:	F209JA1E3
Cast iron cover No.:	(Closed type) 209FD

Remark The above code shows an example of nomenclature structure. It may depend on the bearing unit model.

**Table 10.1 Bearing model code**

Bearing model code	Details
<b>UC</b>	with set screws
<b>UC-S6</b>	with set screws (stainless steel series)
<b>UK</b>	Tapered bore with adapter sleeve
<b>NA</b>	with eccentric locking collar
<b>NC</b>	with concentric locking collar
<b>SB</b>	with set screws (lightweight type)
<b>SU</b>	with set screws (clean series)
<b>SA</b>	with eccentric locking collar (lightweight type)
<b>SA-F</b>	with eccentric locking collar, Lubricating mechanism (lightweight type)
<b>SU-S6</b>	with set screws (stainless steel series)
<b>ER</b>	with set screws, cylindrical O.D., Lubricating mechanism, snap ring
<b>ERC</b>	with concentric locking collar, cylindrical O.D., Lubricating mechanism, snap ring
<b>RB</b>	with set screws, cylindrical O.D.
<b>SBB</b>	with set screws, cylindrical O.D.
<b>SAA-F</b>	with eccentric locking collar, cylindrical O.D. (lightweight type)

**Table 10.2 Housing model code**

Housing model code	Details
<b>P</b>	Pillow type
<b>IP</b>	Thick pillow type
<b>PA</b>	Tapped-Base pillow
<b>PAN</b>	Tapped-Base pillow
<b>PH</b>	High-Base pillow type
<b>LP</b>	Lightweight pillow type
<b>P</b>	Pillow type (clean series)
<b>SP-H1</b>	Pillow type (stainless steel series)
<b>SPA-H1</b>	Tapped-Base pillow (stainless steel series)

**Table 10.2 Housing model code (continued)**

Housing model code	Details
<b>VP</b>	Pillow type (thermoplastic series)
<b>VPAN</b>	Tapped-Base pillow (thermoplastic series)
<b>SP</b>	Pillow type (stainless steel series)
<b>PP</b>	Stamped steel pillow type
<b>F</b>	Square four-bolt flange type
<b>NF</b>	Square four-bolt flange type
<b>FL</b>	Oval two-bolt flange type
<b>FA</b>	Adjustable oval two-bolt flange type
<b>FB</b>	Three-bolt flange type
<b>FC</b>	Round flange cartridge type
<b>FCF</b>	Round flange cartridge type
<b>FS</b>	Square four-bolt cartridge flange type
<b>FL</b>	Oval two-bolt flange type (clean series)
<b>TFD-H4</b>	Three-bolt flange type (Ductile cast iron)
<b>LF</b>	Lightweight oval two-bolt flange type
<b>SF-H1</b>	Square four-bolt flange type (stainless steel series)
<b>SFL-H1</b>	Oval two-bolt flange type (stainless steel series)
<b>SFL</b>	Oval two-bolt flange type (stainless steel series)
<b>SFC</b>	Round flange cartridge type (stainless steel series)
<b>PF</b>	Stamped steel plate round three-bolt flange type
<b>PFL</b>	Stamped steel plate oval two-bolt flange type
<b>VF</b>	Square four-bolt flange type (thermoplastic series)
<b>VFL</b>	Oval two-bolt flange type (thermoplastic series)
<b>VFB</b>	Three-bolt flange type (thermoplastic series)
<b>T</b>	Take-up type
<b>TRS</b>	Narrow slot Take-up type
<b>ST-H1</b>	Take-up type (stainless steel series)
<b>TH</b>	Section steel frame take-up type
<b>TL</b>	Light channel steel frame take-up type
<b>TU</b>	Channel steel frame take-up type
<b>PTH</b>	Steel plate frame take-up type
<b>NPTH</b>	Steel plate frame take-up type



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**Table 10.2 Housing model code (continued)**

Housing model code	Details
C	Cartridge type
HA	Hanger type

**Table 10.3 Diameter series code**

Diameter series code	Details
0	Small size light duty
2	Normal duty
X	Medium duty
3	Heavy duty

**Table 10.4 Bore dia. code**

Bore dia. code	Details
8	Nominal bearing bore dia. 8 mm
00	Nominal bearing bore dia. 10 mm
01	Nominal bearing bore dia. 12 mm
02	Nominal bearing bore dia. 15 mm
03	Nominal bearing bore dia. 17 mm
04	(Bore dia. code) × 5 = Nominal bearing bore dia. (mm)
01-8	– (bore dia. code) /16 = nominal bearing bore dia. (inch) (in this case, 8/16 = 1/2 inch = 12.7 mm) As for the bore dia. inch series bearing.

**Table 10.5 Fitting code**

Fitting code	Details
J	Tolerance class of spherical bore of the housing is J7 (not shown where the spherical bore diameter exceeds 120 mm)
H	Tolerance class of spherical bore of the housing is H7
K	Tolerance class of spherical bore of the housing is K7

**Table 10.6 Accessory code**

Accessory code	Details
C <sup>1)</sup>	Cover, open type
D <sup>1)</sup>	Cover, closed type
FC	Cast iron cover, open type
FD	Cast iron cover, closed type
L3	Triple-lip seal type

Note <sup>1)</sup> Standard specifications of codes C and D are as shown below.  
201–218, X05–X17..... Steel plate cover  
X18–X20, 305–328..... Cast iron cover

**Table 10.7 Bearing special code**

Item	Bearing special code	Details
Grease	D1	U-RET EDM-1
	D2	SH33M
	D9	Demnum L-200
Set Screw	G4	Cone point
	G6	Capped full dog point
Seal	K2	Silicone rubber
	K3	Non-contact type
Sealing Device	P3	Without seal, slinger
	P4	Without seal
Others	S3	Air handling fit, 100% noise check, the anti-rotation pin
	S5	For blower (seal: K3, inner clearance and bearing accuracy are specially controlled)
	S6	Stainless steel bearing
	S7	Plated bearing (for corrosion-resistance)

**Table 10.8 Housing special code**

Item	Housing special code	Details
Grease Fitting Thread Bore dia.	A1	PT1/8 tube thread
	A2	PF1/8 tube thread
	A3	PT1/4 tube thread
	A4	PF1/4 tube thread
	A5	1/8NPT tube thread
Grease Fitting Thread Bore Position	B1	Right
	B2	Left
	B3	45°
	B5	30°
Machining	B7	Both right and left
	E1	Machined for stamped cover
	E3	Cast iron cover mounting groove (diameter series 2, X, 3)
Housing material	E4	Non-lubricating type
	H1	Stainless steel cast steel model (SCS13)
	H4	Ductile iron (FCD450-10)
	H5	Rolled steel for general purpose (SS400)
Grease Fitting	H9	Stainless steel cast steel model (SCS14)
	N1	B type (67.5°)
Surface treatment	N2	C type (90°)
	Z5	Nickel plated housing