



Ball Rollers

Milled Thread Mounting Type

Features: Can be used in any orientation, allowing for flexible mounting.

Milled Thread Mounting Type

BCBE
(For all orientations)

BCBE10
BCBE20

BCBE50
BCBE120

Ⓢ BCBE can be used in both vertical and horizontal orientations.
Ⓢ The threaded part of BCBE120 does not have a straight slot groove.

Material												
① Main Ball	② Cover	③ Main Body	④ Threaded Section	Sub Ball								
S2100 Bearing Steel	JIS SUM	JIS SCM415	JIS SCM415	S2100 Bearing Steel								

Part Number Type	No.	D	D ₁	d	B	h ₁	h ₂	F ₁	M	Mounting Orientation	Waste Discharge Hole	Load Capacity N (kgf)
		BCBE	10	15	13	9.525	3.5	15	12			
	20	24	21	15.875	4.5	20.5		4		343 (35)		
	50	30	27	19.05	6	26		5	M8	588 (60)		
	120	42	36	25.40	8	36		6.5	M10	1,470 (150)		

Features: Includes a waste discharge hole/slit that allows any debris inside to be discharged.

Milled Thread Mounting Type with Waste Discharge Hole/Slit

BCBH
(For all orientations)

BCBH20

BCBH50
BCBH120

Ⓢ BCBH can be used in both vertical and horizontal orientations.
Ⓢ The threaded part of BCS120 does not have a straight slot groove.

Material												
① Main Ball	② Cover	③ Main Body	④ Threaded Section	Sub Ball								
S2100 Bearing Steel	JIS SUM	JIS SCM415	*JIS SCM415	S2100 Bearing Steel								

Part Number Type	No.	D	D ₁	d	B	h ₁	h ₂	F ₁	M	Z	Mounting Orientation	Waste Discharge Hole	Load Capacity N (kgf)
		BCBH	20	24	21	15.875	4.5	20.5	10	4			
	50	30	27	19.05	6	26		5			588 (60)		
	120	42	36	25.40	8	36		6.5	M10	5	1,470 (150)		
BCS	20	24	21	15.875	4.5	20.5	12	4	M6	-	Downward-Facing	Head	343 (35)
	50	30	27	19.05	6	26		5	M8	-			588 (60)
	120	42	36	25.40	8	36		6.5	M10	-			1,470 (150)

*Please note that the waste discharge mechanism only works when the unit is installed facing upward.



Ball Rollers

Milled Flange Mounting Type / One-Touch Mounting Type

Features: Can be used in any orientation, allowing for flexible mounting.

Milled Flange Mounting Type

BCF
(For all orientations)

Ⓢ BCF can be used in both vertical and horizontal orientations.

Material												
① Main Ball	② Cover	③ Main Body	Sub Ball									
S2100 Bearing Steel	Aluminum	JIS SCM415	S2100 Bearing Steel									

Features: Includes a waste discharge hole/slit that allows any debris inside to be discharged.

Milled Flange Mounting Type with Waste Discharge Hole/Slit

BCFH (for all orientations)

BCSF (Downward-Facing)

Ⓢ BCFH can be used in both vertical and horizontal orientations.

Material												
① Main Ball	② Cover	③ Main Body	Sub Ball									
S2100 Bearing Steel	Aluminum	JIS SCM415	S2100 Bearing Steel									

Features: No screw mounting required; secured with mounting claw. Heavy load type with one-touch mounting capability and waste discharge hole.

One-Touch Mounting Type

BCUFH (Upward-Facing)

Enlarged view of mounting claw

Ⓢ The recommended mounting hole diameter for BCUFH is Ø45.5 to 46 mm, with a plate thickness of 3.2 mm or greater.

Material												
① Main Ball	② Cover	③ Main Body	Sub Ball									
S2100 Bearing Steel	Steel	JIS SCM415	S2100 Bearing Steel									

Part Number Type	No.	D	D ₁	D ₂	d	H	h ₁	h ₂	F ₁	F ₂	Mounting Orientation	Waste Discharge Hole	Load Capacity N (kgf)
		BCUFH	120	55	37	21.98	25.40	35	13.8	21.2			

Part Number Example

BCBE10
BCS120
BCF50