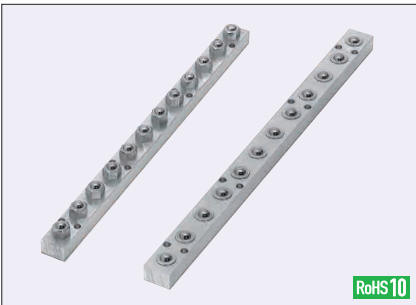


Ball Roller Units (For upward facing)

Ball Rollers (For upward facing)

Milled Steel / Steel Press Formed



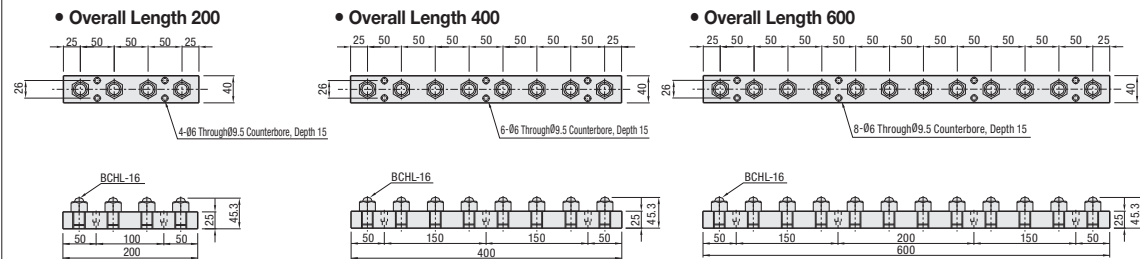
Type	Ball Roller		Material				Frame
			Bearing	Spacer	Main Ball	Sub Ball	
BUHL	Hex Head Stud	BCHL16	EN 1.4301 Equiv.	EN 1.4301 Equiv.	EN 1.4125 Equiv. (HRC55~)	EN 1.4125 Equiv. (HRC35~)	EN AW-6063 Equiv. (Clear Anodize)
BUHA	Press Fit	BCHA24					

For details on Ball Rollers, see P.1179.

Hex Head Stud

BUHL

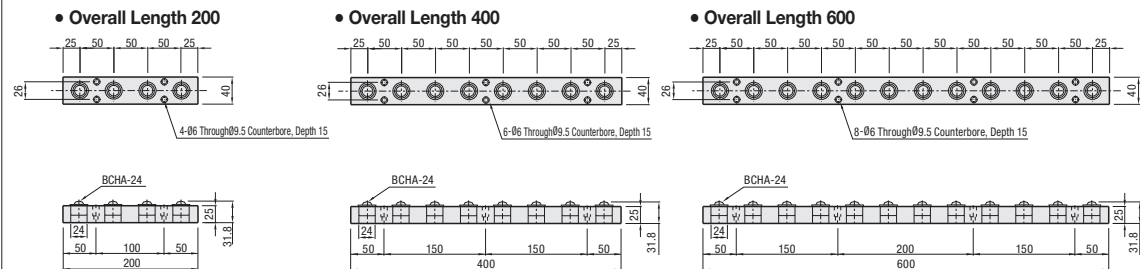
(Stainless Steel Ball)



Press Fit

BUHA

(Stainless Steel Ball)



Part Number		Number of Rollers	Unit Price	
Type	Overall Length		BUHL	BUHA
Hex Head Stud				
BUHL (Stainless Steel Ball)	200	4		
	400	8		
Press Fit				
BUHA (Stainless Steel Ball)	600	12		

Allowable Load per Ball Roller

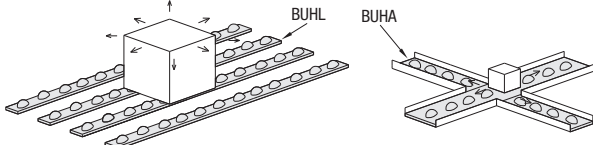
Type	Allowable Load N (kgf)
BUHL BUHA	343 (35)

Ordering Example
Part Number
BUHL200



Example

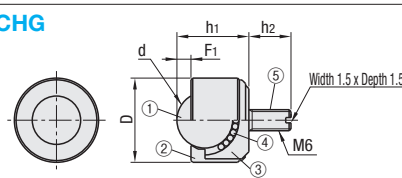
* Ball Roller Units can allow 360 degree transfer of objects as shown below.



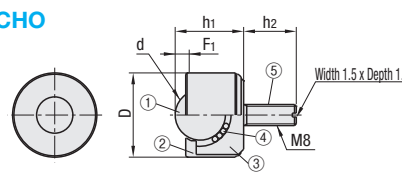
Milled Threaded Stud Type



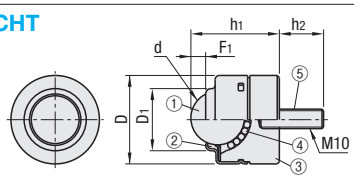
BCHG



BCHO



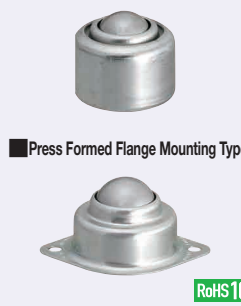
BCHT



Type	Material				
	① Main Ball	② Cover	③ Bearing	④ Sub Ball	⑤ Threaded Section
BCHG	EN 1.3505 Equiv.	EN 1.0038 Equiv.	EN 1.7242 Equiv.	EN 1.3505 Equiv.	EN 1.7242 Equiv.
BCHO		SPCD			EN 1.7220 Equiv.
BCHT					

Part Number		D	D1	d	h1	h2	F1	Allowable Load N (kgf)	Unit Price
Type	No.								
BCHG	24	24	-	15.875	20.5	12	4	196.1(20)	
BCHO	32	32	-	19.05	26	20	4	490.3(50)	
BCHT	42	42	31.3	25.40	42	21	7.4	784.5(80)	

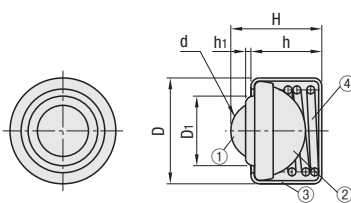
Built-in Spring Type



Press Formed Flange Mounting Type

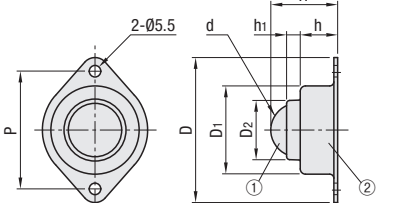


BCHW (Built-in Spring Type)



Recommended Hole Tolerance
BCHW20: Ø20.5 ~ Ø20.6
BCHW26: Ø26 ~ Ø26.1

BCHY (Flange Mounting Type)



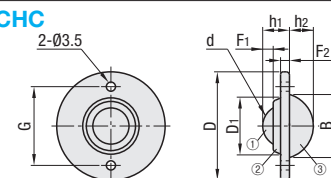
Type	Material			
	① Main Ball	② Bearing	③ Frame	④ Spring
BCHW	EN 1.3505 Equiv.		SPCE	JIS-SWP-A
BCHY	JIS-SWRM12	SPCD		

Part Number		D	D1	D2	d	H	h	h1	P	Spring Ball Movement	Allowable Load N (kgf)	Unit Price
Type	No.											
BCHW	20	20	13	-	11.113	17.2	13.4	2.8	-	1.8	49(5kg)	
	26	25.8	17.5	-	15.875	23.6	17.5	3.7	-	2	78(8kg)	
BCHY	69	69	42	29.5	25.40	31	17	7.5	56	-	294(30kg)	

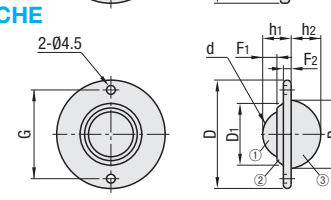
Press Formed Screw Mounted Threaded Stud Type



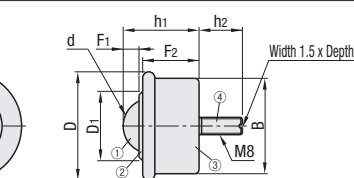
BCHC



BCHE



BCHH



Type	Material			
	① Main Ball	② Cover	③ Bearing	④ Threaded Section
BCHC	JIS-SWRM12			
BCHE		SPCD	EN 1.4301 Equiv.	-
BCHH			EN 1.0330 Equiv.	EN 1.0038 Equiv.

Part Number		D	D1	d	G	B	h1	h2	F1	F2	Allowable Load N (kgf)	Unit Price
Type	No.											
BCHC	40	41.3	22	15.875	30	24	10.2	9.1	4	3.4	78.5(8)	
BCHE	55	55.5	32.5	25.40	45.5	36	14.6	15.2	7.3	4	294.2(30)	
BCHH	50	50	32	25.40	-	44	35	20	7.3	26	294.2(30)	

Ordering Example
Part Number
BCHW 20