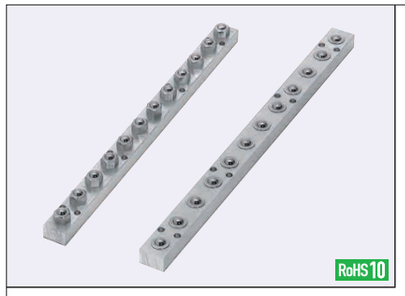
Ball Roller Units (For upward facing)



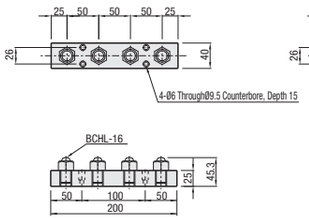
Type	Ball Roller		Material				
			Ball Rollers				Frame
	Shape	Part Number (P.1045)	Bearing	Spacer	Main Ball	Sub Ball	
BUHL	Hex Head Stud	BCHL16	SUS304	SUS304	SUS440C(HRC55~)	SUS440C (HRC55~)	A6063 (Clear Anodize)
BUHA	Press Fit	BCHA24					

For details on Ball Rollers, see **P.1179**.

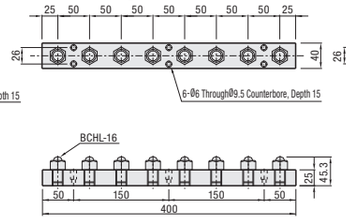
Hex Head Stud

BUHL
(Stainless Steel Ball)

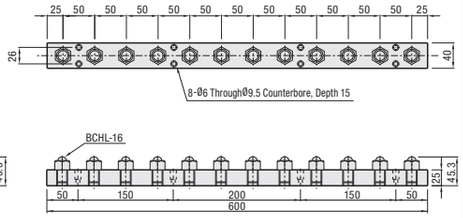
- Overall Length 200



- Overall Length 400



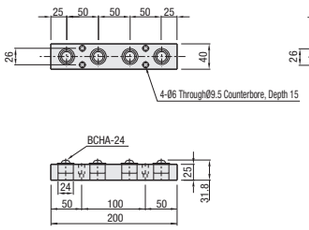
- Overall Length 600



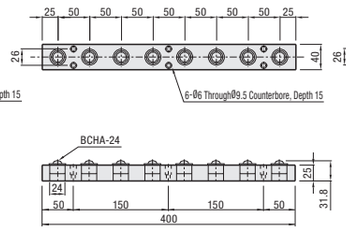
Press Fit

BUHA
(Stainless Steel Ball)

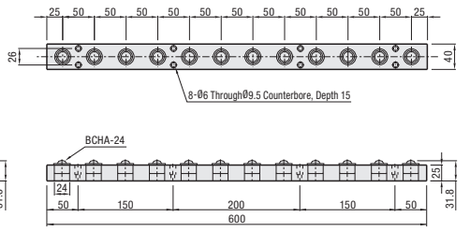
- Overall Length 200



- Overall Length 400



- Overall Length 600



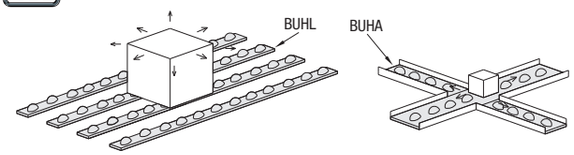
Part Number		Number of Rollers	Unit Price	
Type	Overall Length		BUHL	BUHA
Hex Head Stud **BUHL** (Stainless Steel Ball) / Press Fit **BUHA** (Stainless Steel Ball)	200	4		
	400	8		
	600	12		

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.

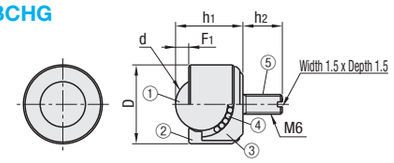


Ball Rollers (For upward facing)

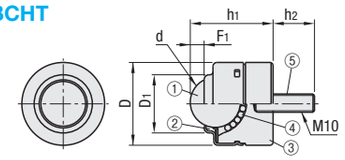
Milled Steel / Steel Press Formed

Milled Threaded Stud Type

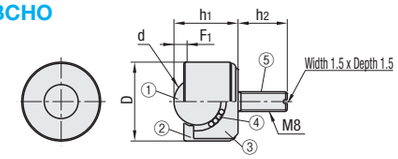
BCHG



BCHT



BCHO



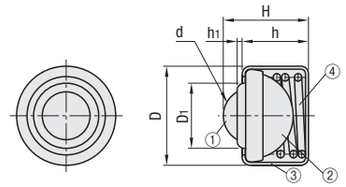
Type	Material				
	①Main Ball	②Cover	③Bearing	④Sub Ball	⑤Threaded Section
BCHG	SUJ2	SS400 Equivalent	SCM415	SUJ2	SCM415
BCHO					
BCHT		SPCD			SCM435

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

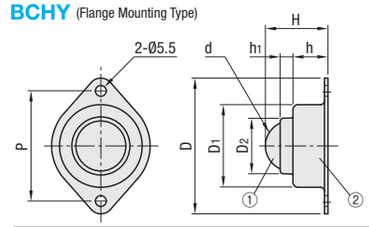
Press Formed Flange Mounting Type

BCHW (Built-in Spring Type)



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

BCHY (Flange Mounting Type)

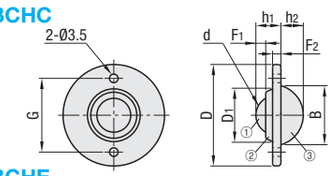


Type	Material			
	①Main Ball	②Bearing	③Frame	④Spring
BCHW	SUJ2	SPCD	SPCE	SWP-A
BCHY	SWRM12		-	-

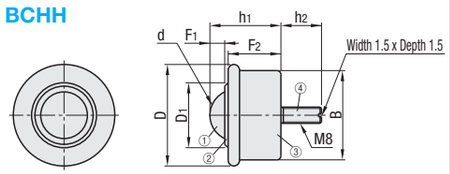
Part Number		D	D1	D2	d	H	h	h1	P	Spring Ball Movement	Allowable Load N (kgf)	Unit Price
Type	No.											
BCHW	20	20	13	-	11.113	17.2	13.4	2.8	-	1.8	49(5Kg)	
	26	25.8	17.5	-	15.875	23.6	17.5	3.7	-	2	78(8Kg)	
BCHY	69	69	42	29.5	25.40	31	17	7.5	56	-	294(30Kg)	

Press Formed Screw Mounted Threaded Stud Type

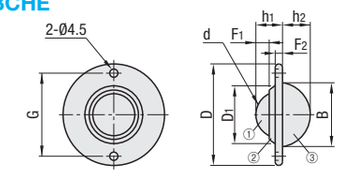
BCHC



BCHH



BCHE



Type	Material			
	①Main Ball	②Cover	③Bearing	④Threaded Section
BCHC	SWRM12	SPCD	SUS304	-
BCHE				
BCHH			SPCC Equivalent	SS400 Equivalent

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**