

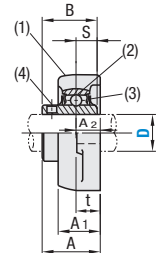
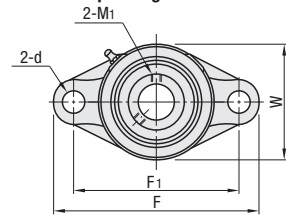
# Pillow Blocks

## Cast Housings Flanged

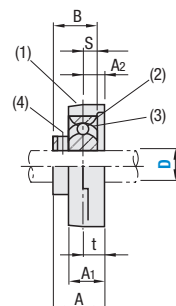
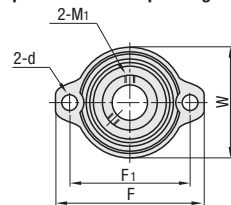
Pillow Blocks –  
Cast Housing Flanged

RoHS 10

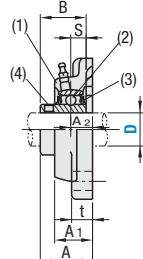
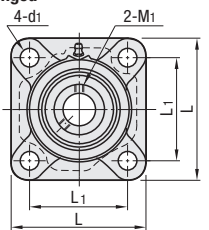
**HDH**  
Diamond Shape Flanged



**HDHCP**  
Compact Diamond Shape Flanged



**HDF**  
Square Flanged



Accuracy: JIS B 1558  
JIS B 1514  
JIS B 1559  
Bearing Inner Diameter Tolerance:  
H7 (Clearance Fit)  
Operating Temperature: -15~+100°C

Components	Material
(1) Housing	Alloy Cast Iron Class No.30
(2) Bearing	52100 Bearing Steel
(3) Rubber Seal	Nitrile Rubber (NBR)
(4) Set Screw	4137 Alloy Steel or Equivalent

kgf=Nx0.101972

Part Number	Type	JIS Nominal		F	F <sub>1</sub>	W	L	L <sub>1</sub>	t	A	A <sub>1</sub>	A <sub>2</sub>	d	d <sub>1</sub>	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)			
		HDH	HDF														Cr (Dynamic)	Cor (Static)	M <sub>1</sub>	Tightening Torque (N-cm)	Axial Load Capacity (N)	HDH	HDF		
12	HDH HDF	UCFL201	UCF201	113	90	60	86	64	12	33.3	25.5	15	12	12	31.0	12.7	12.8	6.6	M6 x 0.75	392	640	470	630		
15		UCFL202	UCF202																					440	600
17		UCFL203	UCF203																						
20		UCFL204	UCF204	490	580																				
25		UCFL205	UCF205			1400	720																		
30		UCFL206	UCF206	1960	1010																				
35		UCFL207	UCF207			2590	1200																		
40		UCFL208	UCF208	2930	1510																				
45		UCFL209	UCF209			3300	1900																		
50		UCFL210	UCF210	3550	2200			2360																	

kgf=Nx0.101972

Part Number	Type	D	F	F <sub>1</sub>	W	t	A	A <sub>1</sub>	A <sub>2</sub>	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)			
													Cr (Dynamic)	Cor (Static)	M <sub>1</sub>	Tightening Torque (N-cm)	Axial Load Capacity (N)				
12	HDHCP	81	63.5	56	9.5	25.5	18	9.5	7	22	6	6	9.55	4.8	M5 x 0.8	250	476	280			
15																			250	476	280
17																					
20		90	71.5	63	11	28.7	20	11	10	24.7	7	7	12.8	6.6	M6 x 0.75	490	1280	300			
25																			1400	400	270
30																					

Part Number Example	Part Number
HDH20	HDHCP25
HDF25	
HDHCP25	

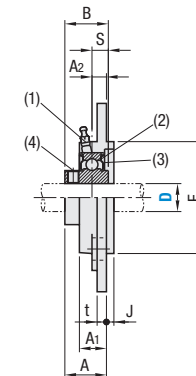
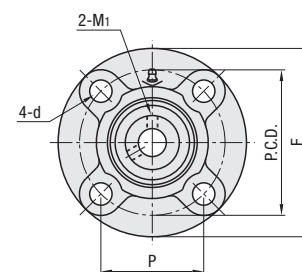
# Pillow Blocks

## Cast Housings with Pilot / Cast Housings Take-Up

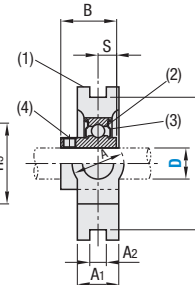
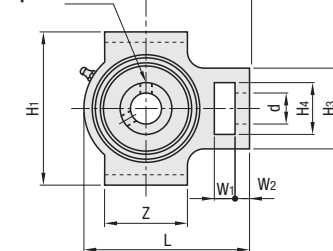
Pillow Blocks –  
Cast Housings with Pilot

RoHS 10

**HDMC**  
Pilot



**HDTKP**  
Take-Up



Accuracy: JIS B 1558  
JIS B 1514  
JIS B 1559  
Bearing Inner Diameter Tolerance: H7 (Clearance Fit)  
Operating Temperature: -15 ~ +100°C

Components	Material
(1) Housing	Cast Iron Class No. 30
(2) Bearing	52100 Bearing Steel
(3) Rubber Seal	Nitrile Rubber (NBR Nitrile Rubber)
(4) Set Screw	4137 Alloy Steel or Equivalent

kgf=Nx0.101972

Part Number	Type	D	JIS Nominal	F	P	P.C.D.	t	A	A <sub>1</sub>	A <sub>2</sub>	J	E	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)
																Cr (Dynamic)	Cor (Static)	M <sub>1</sub>	Tightening Torque (N-cm)	Axial Load Capacity (N)	
12	HDMC	100	UCFC201	55.1	78	7	28.3	20.5	10	5	62	12	31.0	12.7	12.8	6.6	M6 x 0.75	392	640	890	
15			UCFC202																		870
17			UCFC203																		
20		UCFC204	1280	840																	
25		UCFC205			1400	970															
30		UCFC206	1960	1180																	
35		UCFC207			2590	1550															
40		UCFC208	2930	1850																	
45		UCFC209			3300	2420															
50		UCFC210	3550	2710																	

kgf=Nx0.101972

Part Number	Type	D	JIS Nominal	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	L	L <sub>1</sub>	A	A <sub>1</sub>	A <sub>2</sub>	W <sub>1</sub>	W <sub>2</sub>	Z	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)
																			Cr (Dynamic)	Cor (Static)	M <sub>1</sub>	Tightening Torque (N-cm)	Axial Load Capacity (N)	
12	HDTKP	89	UCT201	76	51	32	94	61	32	21	12	16	10	51	19	31.0	12.7	12.8	6.6	M6 x 0.75	392	640	790	
15			UCT202																					770
17			UCT203																					
20		UCT204	1280	740																				
25		UCT205			1400	820																		
30		UCT206	1960	1300																				
35		UCT207			2590	1600																		
40		UCT208	2930	2400																				
45		UCT209			3300	2400																		
50		UCT210	3550	2500																				



**HDMC**  
With the pilot (dia. E part) on the plate mounting side, the ball bearing misalignment can be prevented even if the mounting screws become loose after installation.

**HDTKP**  
Tension can be adjusted by sliding the guide groove A<sub>2</sub>. Suitable for adjusting the tension of a belt conveyor, etc.

