

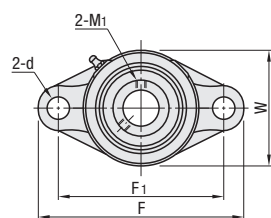
Ball Bearing Units

Cast Iron, Flanged

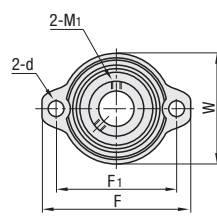


RoHS10

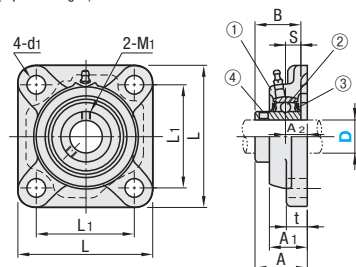
HDH (Diamond Flanged)



HDHCP (Compact Diamond Flanged)



HDF (Square Flanged)



Accuracy: JIS B 1558
JIS B 1514
JIS B 1559
Bearing Inner Diameter Tolerance: H7 (Clearance Fit)
①HDHCP, J7 (Transition Fit)
Operating Temperature: -15 ~ +100°C

Component	Material
① Housing	M FC200
② Bearing	M SUJ2
③ Rubber Seal	M Nitrile Rubber (NBR)
④ Set Screw	M SCM435

Part Number	JIS Nominal			F	F1	W	L	L1	t	A	A1	A2	d	d1	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)		Unit Price										
Type	D	HDH	HDF														Cr (Dynamic)	Cor (Static)	M1	Tightening Torque (N·cm)	Axial Load Capacity (N)	HDH	HDF	HDH	HDF									
HDH HDF	12	UCFL201	UCF201	113	90	60	86	64	12	33.3	25.5	15	12	12	31.0	12.7	12.8	6.6	M6x0.75	392	640	470	630											
	15	UCFL202	UCF202																			450	610											
	17	UCFL203	UCF203																			440	600											
	20	UCFL204	UCF204																															
	25	UCFL205	UCF205	130	99	68	95	70	14	35.8	27.0	16	16	14	34.1	14.3	14.0	7.9	M8x1	1180	1280	420	580											
	30	UCFL206	UCF206	148	117	80	108	83													40.2	31.0	18	18	16	38.1	15.9	19.6	11.3	1400	590	720		
	35	UCFL207	UCF207	161	130	90	117	92													44.4	34	19	16	14	42.9	17.5	25.9	15.4	1960	900	1010		
	40	UCFL208	UCF208	175	144	100	130	102													51.2	36	21	16	16	49.2	19	29.3	17.9	2590	1200	1380		
	45	UCFL209	UCF209	188	148	108	137	105	18	52.2	38	22	19	16	49.2	19	33.0	20.5	M8x1	1180	2930	1510	1770											
	50	UCFL210	UCF210	197	157	115	143	111													54.6	40	22	19	16	51.6	19	35.5	23.2	M10x1.25	2350	3550	2200	2360

kgf=Nx0.101972

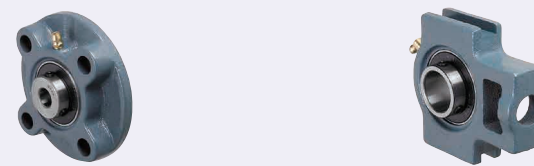
Part Number		F	F ₁	W	t	A	A ₁	A ₂	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)	Unit Price	
Type	D											Cr (Dynamic)	Cor (Static)	M ₁	Tightening Torque (N·cm)	Axial Load Capacity (N)			
HDHCP	12																280		
	15	81	63.5	56	9.5	25.5	18	9.5	7	22	6	9.55	4.8	M5x0.8	250	476	270		
	17																250		
	20	90	71.5	63		28.7	20		11	10	24.7	7	12.8	M6x0.75	490	1280	300		
	25	95	76	69		30.5	20.0				27	7.5	14.0			7.9	1400	400	
	30	113	90.5	79	12	34.3	22.5	12	12	30.3	8	19.6	11.3			1960	580		

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Ordering Example
Part Number
HDH20
HDF25
HDHCP25

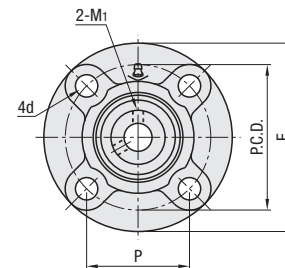
Ball Bearing Units

Cast Iron, Pilot / Take-Ups

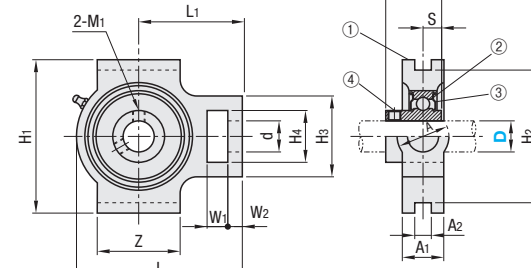


RoHS10

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

Component	Material
① Housing	M FC200
② Bearing	M SUJ2
③ Rubber Seal	M Nitrile Rubber (NBR)
④ Set Screw	M SCM435

Part Number		F	P	P.C.D.	t	A	A ₁	A ₂	J	E	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)	Unit Price
Type	D													Cr (Dynamic)	Cor (Static)	M ₁	Tightening Torque (N·cm)	Axial Load Capacity (N)		
HDMC	12	100	55.1	78	7	28.3	20.5	10	5	62	12	31.0	12.7	12.8	6.6	M6x0.75	392	640	890	
	15																		870	
	17																		860	
	20																			
	25	115	63.6	90	7	29.8	21	10	6	70	12	34.1	14.3	14.0	7.9	490	1280	840		
	30	125	70.7	100	8	32.2	23		8	80		38.1	15.9	19.6	11.3		1400	970		
	35	135	77.8	110	9	36.4	26		11	90		42.9	17.5	25.9	15.4		1960	1180		
	40	145	84.8	120		41.2	10	100		14	49.2	19	29.3	17.9	M8x1	1180	2590	1550		
	45	160	93.3	132		40.2		26			105		33.0	20.5			2930	1850		
50	165	97.6	138	14	42.6	28		10	12		110		51.6	35.5			23.2	M10x1.25	2350	3550

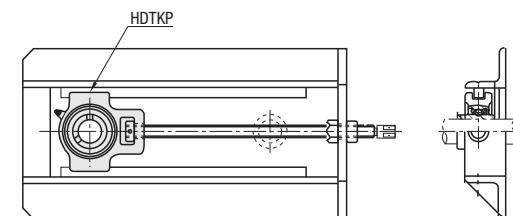
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Part Number		H1	H2	H3	H4	L	L1	A	A1	A2	W1	W2	Z	d	B	S	Basic Load Rating (kN)		Set Screw			Mass (g)	Unit Price	
Type	D																Cr (Dynamic)	Cor (Static)	M1	Tightening Torque (N·cm)	Axial Load Capacity (N)			
HDTKP	12	89	76	51	32	94	61	32	21	12	16	10	51	19	31.0	12.7	12.8	6.6	M6x0.75	392	640	790		
	15																					770		
	17																					760		
	20																						1280	740
	25		1400	820																				
	30		1960	1300																				
	35	102	89	56	37	113	70	37	28				57	22	38.1	14.3	14.0	7.9	M8x1	1180	2590	1600		
	40		64	129	78	30		13	64			42.9	17.5	25.9	15.4	29.3	17.9	2930			2400			
	45	114	102	83	49	144	87	49	35			16	19	16	83	29	49.2	19			33.0	20.5	3300	2400
	50	117			149	90	37							86		51.6		35.5			23.2	M10x1.25	2350	3550

kgf=Nx0.101972

Ordering Example
Part Number
HDMC20
HDTKP15

Example



•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 A2. Suitable for adjusting the tension of a belt conveyor, etc.