

Steel Plate Ball Bearing Units / Shaft End Caps

Flanged

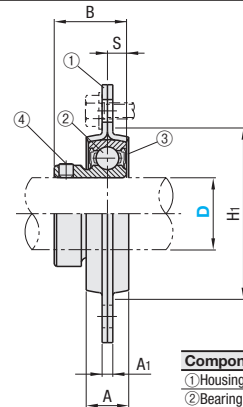
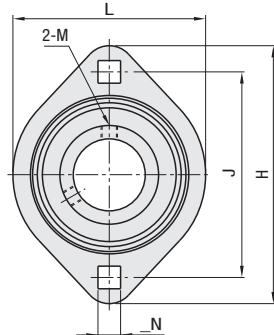
■ **Features:** Inexpensive Ball Bearing Units with pressed sheet metal housing.

Steel Plate Ball Bearing Units - Flanged



RoHS 10

HBTP



Accuracy: JIS B 1558
JIS B 1514
JIS B 1559
Operating Temperature: -15 ~ +100°C

Component	Material	Surface Treatment
① Housing	EN 1.0330 Equiv.	Black Oxide
② Bearing	EN 1.3505 Equiv.	-
③ Rubber Seal	Nitrile Rubber (NBR)	-
④ Set Screw	EN 1.7220 Equiv.	-

⚠ Bearing and sheet metal are shipped unassembled.
Assemble before use.
⚠ An angle of 2-M (set screw) is 120°.

Part Number		L	H	A	J	N	A1	H1 Min.	B	S	Mounting Screw Nominal	Allowable Load (N)		Bearing Basic Load Rating (N)		Set Screw			Mass (g)	Unit Price
Type	D											Radial	Axial	Cr (Dynamic)	Co (Static)	M	Tightening Torque (N·cm)	Axial Load Capacity (N)		
HBTP	12	59	81	14	63.5	7	4	49	22	6	M6	2650	640	9550	4800	M5x0.8	240	478	250	
	15	59	81	14	63.5	7	4	49	22	6	M6	2650	640	9550	4800		240	478	240	
	20	67	90	16	71.5	9	4	56	24.7	7	M8	3100	740	12800	6600		250	1280	290	
	25	71	95	18	76	9	4	60	27	7.5	M8	3530	900	14000	7900	M6x0.75	490	1400	360	
	30	84	113	18	90.5	11	5.2	71	30.3	8	M10	4900	1220	19600	11300		490	1960	560	

⚠ kgf=Nx0.101972

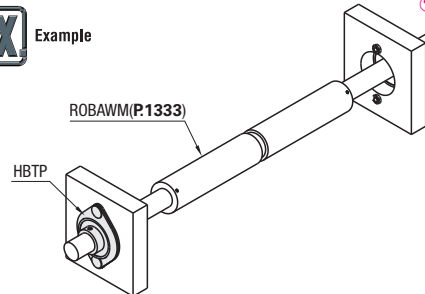


Ordering Example

Part Number
HBTP12



Example

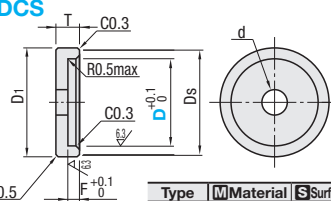


Shaft End Caps



RoHS 10

EDCB EDCM EDCS

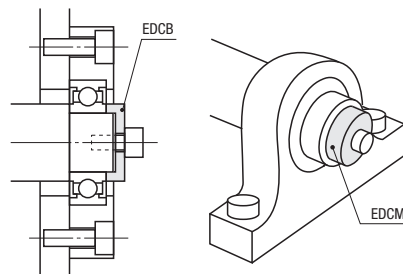


Type	Material	Surface Treatment
EDCB	EN 1.1191	Black Oxide
EDCM	EN 1.1191	Electroless Nickel Plating
EDCS	EN 1.4301 Equiv.	-

Part Number		D1	Ds	T	F	d	Unit Price		
Type	D						EDCB	EDCM	EDCS
EDCB EDCM EDCS	10	14	13.4			4.5			
	12	16	15.4	5	2	5.5			
	15	19	18.4						
	17	21	20.4						
	20	26	25.4	7	3	6.6			
	25	31	30.4						
	30	37	36.4	8		9			
	35	42	41.4			11			
	40	47	46.4	10	4	14			



Example



Ordering Example

Part Number
EDCB20

Steel Plate Ball Bearing Units

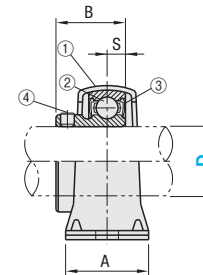
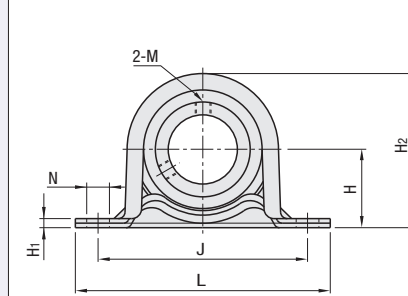
Pillow Blocks

■ **Features:** Inexpensive Pillow Block Ball Bearing Units with sheet metal housing.



RoHS 10

PBTP



Accuracy: JIS B 1558
JIS B 1514
JIS B 1559
Operating Temperature: -15 ~ +100°C

Component	Material	Surface Treatment
① Housing	EN 1.0330 Equiv.	Black Oxide
② Bearing	EN 1.3505 Equiv.	-
③ Rubber Seal	Nitrile Rubber (NBR)	-
④ Set Screw	EN 1.7220 Equiv.	-

⚠ Bearing and sheet metal are shipped unassembled.
Assemble before use.
⚠ An angle of 2-M (set screw) is 120°.

Part Number		L	H	A	J	N	H1	H2	B	S	Mounting Screw Nominal	Allowable Load (N)		Bearing Basic Load Rating (N)		Set Screw			Mass (g)	Unit Price
Type	D											Radial	Axial	Cr (Dynamic)	Co (Static)	M	Tightening Torque (N·cm)	Axial Load Capacity (N)		
PBTP	12	86	22.2	25	68	9.5	3.2	44	22	6	M8	2150	830	9550	4800	M5x0.8	240	478	160	
	15	86	22.2	25	68	9.5	3.2	44	22	6	M8	2150	830	9550	4800		240	478	150	
	20	98	25.4	32	76	9.5	3.2	50	24.7	7	M8	2650	1030	12800	6600		250	1280	210	
	25	108	28.6	32	86	11.5	4	56	27	7.5	M10	3700	1470	14000	7900	M6x0.75	490	1400	290	
	30	117	33.3	38	95	11.5	4	66	30.3	8	M10	4400	1670	19600	11300		490	1960	420	

⚠ kgf=Nx0.101972

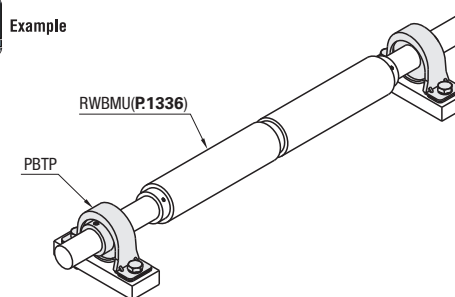


Ordering Example

Part Number
PBTP12



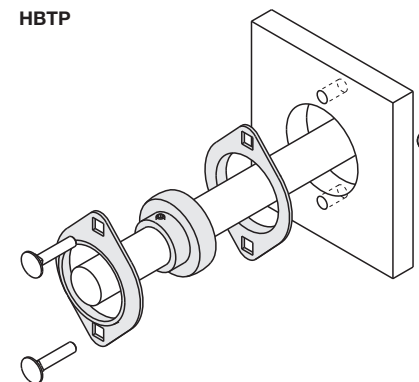
Example



Mounting Steps

1. Insert the shaft into the bearing and locate it to the predetermined position.
2. Install sheet metal housings (2 sheet metal) and secure them with screws. (The bearing is fixed after the assembly)
3. Align the shaft and secure with a set screw.

HBTP



PBTP

