


Pillow Blocks / Shaft End Caps

Sheet Metal Housing, Flanged

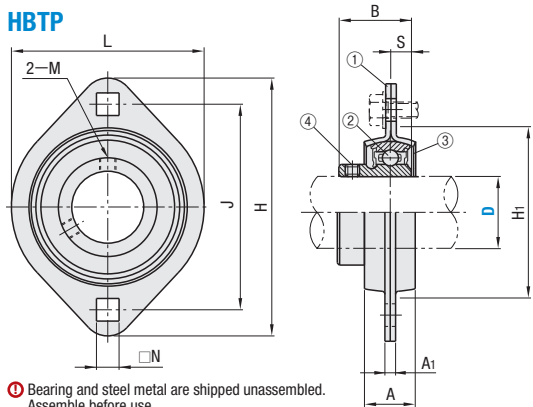
Features: Inexpensive Ball Bearing Units with pressed sheet metal housing.

Pillow Blocks – Sheet Metal Housing, Flanged



RoHS10

HBTP



① Bearing and steel metal are shipped unassembled. Assemble before use.
② An angle of 2-M (set screw) is 120°.

Accuracy: JIS B 1558
JIS B 1514
JIS B 1559

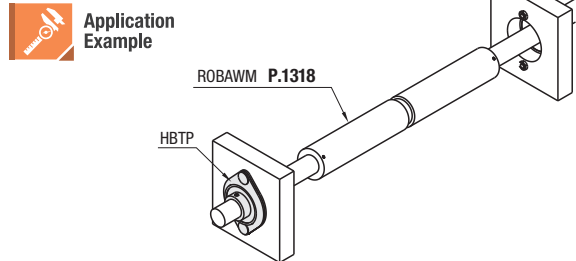
Operating Temperature: -15~+100°C

Components	Material	Surface Treatment
(1) Housing	Low Carbon Steel	Black Oxide
(2) Bearing	52100 Bearing Steel	—
(3) Rubber Seal	Nitrile Rubber (NBR Nitrile Rubber)	—
(4) Set Screw	4137 Alloy Steel or Equivalent	—

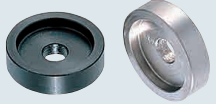
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Part Number	Type	D	L	H	A	J	N	A ₁	H ₁ Min.	B	S	Mounting Screws Nominal	Allowable Load (N)		Bearing Basic Load Ratings (N)		Set Screw			Mass (g)											
													Radial	Axial	Cr (Dynamic)	Co (Static)	M	Tightening Torque (N-cm)	Axial Load Capacity (N)												
12	HBTP	59	81	14	63.5	7	4	49	22	6	M6	2650	640	9550	4800	M5 x 0.8	240	478	250												
15		67	90	16	71.5	9														56	24.7	7	M8	3100	740	12800	6600				
20		71	95	18	76	11														60	27	7.5	M8	3530	900	14000	7900	M6 x 0.75	490	1400	360
30		84	113	18	90.5	11														5.2	71	30.3	8	M10	4900	1220	19600	11300	M6 x 0.75	490	1960

Part Number Example: **HBTP12**

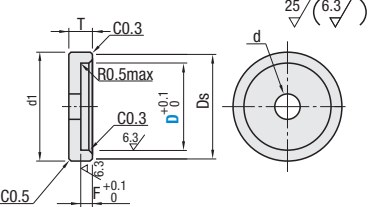


Shaft End Caps



RoHS10

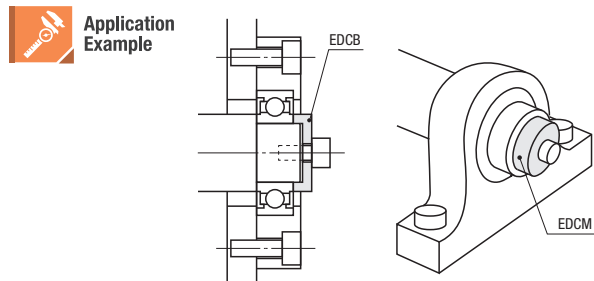
**EDCB
EDCM
EDCS**



Part Number	Type	D	D ₁	D _s	T	F	d
10	EDCB EDCM EDCS	14	13.4	5	2	3	4.5
12		16	15.4				5.5
15		19	18.4	7	3	6.6	
17		21	20.4				
20		26	25.4				
25		31	30.4	8	4	9	
30		37	36.4				
35		42	41.4	10	4	11	
40		47	46.4				14

Type	Material	Surface Treatment
EDCB	1045 Carbon Steel or Equivalent	Black Oxide
EDCM	1045 Carbon Steel or Equivalent	Electroless Nickel Plating
EDCS	304 Stainless Steel or Equivalent	—

Part Number Example: **EDCB20**




Pillow Blocks

Sheet Metal Housing, Standard

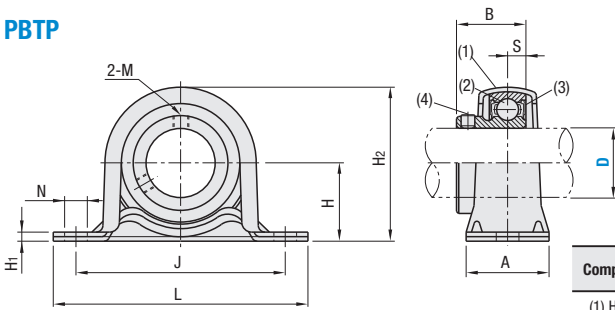
Features: Inexpensive Pillow Block Ball Bearing Units with sheet metal housing.

Pillow Blocks – Sheet Metal Housing, Standard



RoHS10

PBTP



① Bearing and steel plate are not assembled at the time of shipment. Assemble before use.
② An angle of 2-M (set screw) is 120°.

Accuracy: JIS B 1558
JIS B 1514
JIS B 1559

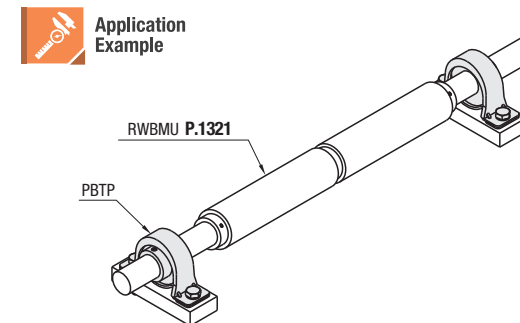
Operating Temperature: -15~+100°C

Components	Material	Surface Treatment
(1) Housing	Low Carbon Steel	Black Oxide
(2) Bearing	52100 Bearing Steel	—
(3) Rubber Seal	Nitrile Rubber (NBR Nitrile Rubber)	—
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kgf=Nx0.101972

Part Number	Type	D	L	H	A	J	N	H ₁	H ₂	B	S	Mounting Screws Nominal	Allowable Load (N)		Bearing Basic Load Ratings (N)		Set Screw			Mass (g)		
													Radial	Axial	Cr (Dynamic)	Co (Static)	M	Tightening Torque (N-cm)	Axial Load Capacity (N)			
12	PBTP	86	22.2	25	68	9.5	3.2	44	22	6	M8	2150	830	9550	4800	M5 x 0.8	240	478	160			
15		98	25.4	32	76	11.5	4	50	24.7	7										250	1280	210
20		108	28.6	38	86			56	27	7.5										M10	3700	1470
25		117	33.3	45	95	66	30.3	8	4400	1670	19600	11300	1960	420								
30																						

Part Number Example: **PBTP12**



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 set screw.

