


Bushings for Locating Pins

Compact Flange Economy / Compact Flange Type

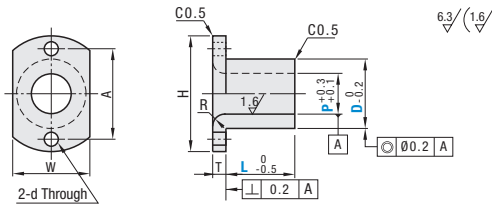
Locating Pins/Bushings for Locating Pins

Compact Flange Economy Type



RoHS 10


Type	Material	Surface Treatment	Hardness
JBOR	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	—
JBOM	1045 Carbon Steel or Equivalent	—	—
JBOK	1045 Carbon Steel or Equivalent	—	45~50 HRC min.
JBON	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	—



2-d Through

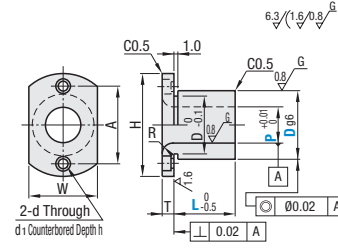
Part Number Type	D	P 0.1 mm Increment	L 1 mm Increment	R	H	W	T	A	d
JBOR JBOM JBOK JBON	10	4.0-6.5	5-15	1	25	12	3	17	5
	12	6.0-8.5			28	15		20	
	15	8.0-10.5			36	17		27	
	18	10.0-12.5			40	20		30	
	20	12.0-13.5			44	22		34	
	22	12.0-13.5	5-35	2	25	15	4	20	6
	25	13.0-15.5			30	17		25	
	26	15.0-16.5			34	20		29	
	28	16.0-18.5			38	22		33	
	30	16.0-20.5			42	25		37	
35	20.0-25.0	5-50	3	56	35	5	42	8	
				60	40		46		

Compact Flange



RoHS 10

Type	Material	Surface Treatment	Hardness
JBN	01 Tool Steel or Equivalent	—	*Treated Hardness: 56~60 HRC min.
JBNF	01 Tool Steel or Equivalent	Black Oxide	
JBNFB	01 Tool Steel or Equivalent	Electroless Nickel Plating	
JBNM	01 Tool Steel or Equivalent	—	
JBNFM	01 Tool Steel or Equivalent	—	
JBNFS	304 Stainless Steel	—	
JBNFC	440C or 420 Stainless Steel	—	Treated Hardness: 50~55 HRC min.



2-d Through
d1: Counterbored Depth h

P Fixed & L Selectable

Part Number Type	P	L Selection	R	H	W	T	D ₆₆	A	d	d ₁	h	
JBN JBNM	5	8 10 12 16	1	25	12	5	10	-0.005	17	3.3	3.5	
	6			28	15	12	-0.014	20				
	8			36	22	15	-0.006	26				
	10			40	25	18	-0.017	30				
	12			44	30	22	-0.007	34				
	13	12 16 20 25 30	2	25	15	6	25	-0.007	20	4.5	8	4.5
	15			28	17	26	-0.020	26				
	16			30	18	30		30				
	20			34	22	34		34				
	25			38	25	38		38				
25	20 25 30 35 40	3	56	35	8	30	-0.009	42	6.6	11	6.5	
			60	40		35	-0.025	46				

P & L Configurable

Part Number Type	D ₆₆	P 0.01 mm Increment	L 0.1 mm Increment	R	H	W	T	A	d	d ₁	h	
JBNF JBNFB JBNFM JBNFS JBNFC	10	-0.005	4.00-6.50	1	25	12	5	17	3.3	6.5	3.5	
	12	-0.014			28	15	12	-0.014	20			
	15	-0.006			36	22	15	-0.006	26			
	18	-0.017			40	25	18	-0.017	30			
	20	-0.007			44	30	22	-0.007	34			
	22	12.00-35.00	2	25	15	6	25	-0.007	20	4.5	8	4.5
	25			28	17	26	-0.020	26				
	26			30	18	30		30				
	30			34	22	34		34				
	35			38	25	38		38				
35	-0.009	20.00-25.00	12.0-50.0	3	56	35	8	42	6.6	11	6.5	
	-0.025			60	40		35	-0.025	46			

Part Number Example

Part Number: JBOR10 - P5.0 - L8

Example: JBN10 - P5.0 - L8

Part Number Alterations

Part Number: JBNF15 - P10.0 - L10.0 - TKC

Alterations: JBT20 - P12.0 - L12.0 - FC

Alteration	Code	Specifications
T Tolerance	TKC	Changes the T tolerance from general tolerance to ±0.01. Ordering Code: TKC ⊗ Not applicable to P Fixed, L Selectable Type and Compact Flange Economy Type.
I.D. Radius R	RC	Machines Radius R on both sides. D10 → R1 D12-26 → R2 D30, 35 → R3 Ordering Code: RC ⊙ Applicable to JBNF / JBNFB / JBNFM / JBNFS / JBNFC only.
	FC	Cuts one side of flange. Ordering Code: FC ⊙ Applicable to JBT / JBTFM
Inner Diameter Radius R	RH	Changes the inner diameter radius R from shoulder side to D dimension end face. Size of R will be the same as R on shoulder side. Ordering Code: RH ⊙ Applicable to Compact Flange, Economy Type only. ⊙ (D-P)/2-R≥1.5

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