

Bushings for Locating Pins

Retaining, Oval

Retaining		Material		Surface Treatment	Hardness	Type	
						p6	m6
		EN 1.2510 Equiv.		-	56~60HRC	JBAFPG	JBAFG
		EN 1.2510 Equiv.		Black Oxide	56~60HRC	JBAFBPG	JBAFBG
		EN 1.2510 Equiv.		Electroless Nickel Plating	56~60HRC	JBAFMFG	JBAFMG
		EN 1.4301 Equiv.		-	-	JBAFSPG	JBAFSG
		EN 1.4125 Equiv.		-	50~55HRC	JBAFCPG	JBAFCG

For hole machining, please note that inner diameter shrinkage of p6 Type is more than that of m6 Type. (See "Variance of I.D. after Press-fitting Bushings for Locating Pins" on P.1566)

Part Number		D Tol.		P		L		Unit Price	
Type	D	p6	m6	0.01mm Increment	0.1mm Increment	R		JBAFPG	JBAFBPG
(p6)	8	+0.024	+0.015	4.00~4.50	10.0~13.0	1.0			
	10	+0.015	+0.006	4.00~6.50	10.0~20.0				
	12			6.00~8.50					
	15	+0.029	+0.018	8.00~10.50					
	18	+0.018	+0.007	10.00~12.50					
(m6)	20			12.00~13.50	10.0~40.0	2.0			
	22	+0.035	+0.021	12.00~13.50					
	25	+0.022	+0.008	13.00~15.50					
	26			15.00~16.50					
	30			16.00~20.50					
35	+0.042	+0.025		20.00~25.00	12.0~60.0	3.0			

Shouldered, Retaining		Material		Surface Treatment	Hardness	Type	
						p6	m6
		EN 1.2510 Equiv.		-	56~60HRC	JBHFG	JBHFG
		EN 1.2510 Equiv.		Electroless Nickel Plating	56~60HRC	JBHFMFG	JBHFMG
		EN 1.4125 Equiv.		-	50~55HRC	JBHFCG	JBHFCG

For hole machining, please note that inner diameter shrinkage of p6 Type is more than that of m6 Type. (See "Variance of I.D. after Press-fitting Bushings for Locating Pins" on P.1566)

Part Number		P		L		Thickness (N)		Unit Price	
Type	D	0.01mm Increment	0.1mm Increment			R	H	JBHFG	JBHFMFG
(p6)	8	4.00~4.50	8.0~10.0	1.75~2.50	1.0	12	3		
	10	4.00~6.50	8.0~15.0	1.75~3.00		14			
	12	6.00~8.50				16	4		
	15	8.00~10.50				19			
	18	10.00~12.50				22			
(m6)	20	12.00~13.50	10.0~35.0	2.25~3.50	2.0	26	5		
	22	12.00~13.50		2.75~4.00		30			
	25	13.00~15.50		3.25~4.00		34			
	26	15.00~16.50		4.25~5.00		38			
	30	16.00~20.50	12.0~50.0	4.75~6.00	3.0	42	6		
35	20.00~25.00			5.00~7.50		46			

Notched, Retaining		Material		Surface Treatment	Hardness	Type	
						p6	m6
		EN 1.2510 Equiv.		-	56~60HRC	JBNFG	JBNFG
		EN 1.2510 Equiv.		Electroless Nickel Plating	56~60HRC	JBNFMFG	JBNFMG
		EN 1.4125 Equiv.		-	50~55HRC	JBNFCG	JBNFCG

For hole machining, please note that inner diameter shrinkage of p6 Type is more than that of m6 Type. (See "Variance of I.D. after Press-fitting Bushings for Locating Pins" on P.1566)

Part Number		P		L		Thickness (N)		Unit Price	
Type	D	0.01mm Increment	0.1mm Increment			R	H	JBNFG	JBNFMFG
JBHFG	10	-0.019	4.00~6.50	3.0~12.0	1.75~3.00	1	18		
	12		6.00~8.50	10.0~18.0		20	7.5		
	15	-0.023	8.00~10.50		2.25~3.50	23			
	18		10.00~12.50	10.0~30.0	2.75~4.00	26			
	20		12.00~13.50		3.25~4.00	28	3		
(m6)	22		12.00~13.50		4.25~5.00	30			
	25	-0.027	13.00~15.50	12.0~35.0	4.75~6.00	33	9		
	26		15.00~16.50		4.75~5.50	34			
	30		16.00~20.50	12.0~50.0	4.75~7.00	38			

Features: Economy type is priced up to 74% lower than Standard Type with the tolerance of $+0.3$ for P Dimension/W Dimension and -0.2 for D Dimension.

Oval - Compact Flange		Material		Surface Treatment	Hardness	Type	
						p6	m6
		EN 1.2510 Equiv.		-	56~60HRC	JBEH	JBEH
		EN 1.2510 Equiv.		Electroless Nickel Plating	56~60HRC	JBEMH	JBEMH

For hole machining, please note that inner diameter shrinkage of p6 Type is more than that of m6 Type. (See "Variance of I.D. after Press-fitting Bushings for Locating Pins" on P.1566)

Part Number		P		L		Unit Price	
Type	D	0.01mm Increment	0.1mm Increment			JBEH	JBEMH
JBEH	10	-0.005	4.00~8.00	3.00~W<P	8~40		
	12	-0.006	4.00~10.00				
	16	-0.017	8.00~14.00				
	20	-0.007	10.00~18.00				
	25	-0.020	13.00~22.00				
JBEMH	30	-0.009	16.00~25.00				
	35	-0.025	18.0~25.00				

Part Number		P		L		Unit Price	
Type	D	0.1mm Increment	0.1mm Increment			JBFR	JBFM
JBFR	10	4.0~8.0	4.0~W<P	5~40			
	12	4.0~10.0					
	15	8.0~13.0					
	16	8.0~14.0					
	18	10.0~16.0					
JBFM	20	10.0~18.0					
	25	13.0~22.0					
	30	16.0~25.0					
	35	18.0~25.0					

Oval - Shouldered (Dowel Pin)		Material		Surface Treatment	Hardness	Type	
						p6	m6
		EN 1.2510 Equiv.		-	56~60HRC	JBPE	JBE
		EN 1.2510 Equiv.		Electroless Nickel Plating	56~60HRC	JBPEM	JBEM

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Part Number		P		L		Unit Price	
Type	D	0.01mm Increment	0.1mm Increment			JBPE	JBEM
JBPE	10	+0.024	4.00~8.00	3.00~W<P	8~40		
	12	+0.015	4.00~10.00				
	16	+0.029	8.00~14.00				
	20	+0.018	10.00~18.00				
	25	+0.022	13.00~22.00				
JBEM	30	+0.035	16.00~25.00				
	35	+0.042	18.0~25.00				

Part Number		P		L		Unit Price	
Type	D	0.01mm Increment	0.1mm Increment			JBPE	JBEM
JBPE	10	+0.024	4.00~8.00	3.00~W<P	8~40		
	12	+0.015	4.00~10.00				
	16	+0.029	8.00~14.00				
	20	+0.018	10.00~18.00				
	25	+0.022	13.00~22.00				
JBEM	30	+0.035	16.00~25.00				
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Type	D	0.01mm Increment	0.1mm Increment			JBPE	JBEM
JBPE	10	+0.024	4.00~8.00	3.00~W<P	8~40		
	12	+0.015	4.00~10.00				
	16	+0.029	8.00~14.00				
	20	+0.018	10.00~18.00				
	25	+0.022	13.00~22.00				
JBEM	30	+0.035	16.00~25.00				
	35	+0.042	18.0~25.00				