

Shafts

Standard & Precision Type / One End Threaded

Shafts



RoHS10

- ① Annealing may lower hardness at shaft end machined areas (effective thread length + approx. 10 mm).
- ② Features of Low Temp. Black Chrome Plating P.213.
- ③ Circularity, Straightness, Perpendicularity Concentricity, Changes in Hardness P.198.
- ④ For One End Threaded-Thread O.D. = Shaft O.D., please see P.218.
- ⑤ For Shafts with wrench flats and cross-drilled holes, please see P.222.

Type				Material	Hardness	Surface Treatment
Precision Type	Standard					
D Tol. g6	D Tol. g6	D Tol. h5	D Tol. f8			
VFBN	SFAN	SFUN	—	52100 Bearing Steel Equivalent		
VSFBN	SSFAN	SSFUN	—	SUS440C (13Cr) Stainless Steel Equivalent		
VPFBN	PSFAN	PSFUN	—	52100 Bearing Steel Equivalent		
VPSFBN	PSSFAN	PSSFUN	—	SUS440C (13Cr) Stainless Steel Equivalent		
VRBN	RSFAN	—	—	52100 Bearing Steel Equivalent		
—	—	—	PSFGN	1045 Carbon Steel Equivalent		
—	—	—	PSSFGN	304 Stainless Steel		

D Tolerance			
D	g6	h5	f8
4	—	—	—
5	-0.004	0	—
6	-0.012	-0.005	-0.010 -0.028
8	-0.005	0	-0.013
10	-0.014	-0.006	-0.035
12			
13			
15	-0.006	0	-0.016
16	-0.017	-0.008	-0.043
18			
20	-0.007	0	-0.020
25	-0.020	-0.009	-0.053
30	-0.009	0	-0.025
35	-0.025	-0.011	-0.064
40			
50			

① For O.D. tolerance f8 type, D needs to be 6 or more

Part Number		1 mm Increment				P	(Y) Max.	R	C	Coarse Thread Dimensions	
Type	D	L	F	B						M	Pitch
Precision Type D Tolerance g6	5	25-296				3	300	0.2 or Less	0.2 or Less	3	0.5
VFBN	6	25-296				3 4	300			4	0.7
VSFBN	8	25-296				3 4 5 6	300			5	0.8
VPFBN	10	25-345				4 5 6 8	350			6	1.0
VPSFBN	12	25-345				5 6 8 10	350			8	1.25
VRBN	13	25-345				5 6 8 10 12	350			10	1.5
	15	25-345				5 6 8 10 12	350			12	1.75
	16	25-345				5 6 8 10 12 16	350			16	2.0
	18	25-345				6 8 10 12 16	450			20	2.5
	20	25-445				8 10 12 16 20	450			24	3.0
	25	25-445				8 10 12 16 20 24	450			30	3.5
	30	25-445									

① Shafts have grinding undercuts at the bottom of threads.
Shaft ends may have centering holes.

Part Number		1 mm Increment				P	(Y) Max.	R	C
Type	D	L	F	B					
Standard Type D Tolerance g6	4	25-298				3	300	0.2 or Less	0.2 or Less
SFAN	5	25-398				3 4	400		
SSFAN	6	25-798				3 4 5 6	600		
PSFAN	8	25-998				3 4 5 6 8	800		
VPFBN	10	25-998				4 5 6 8 10	800		
VRBN	12	25-998				5 6 8 10 12	1000		
	13	25-1198				5 6 8 10 12	1000		
	15	25-1198				5 6 8 10 12	1000		
	16	25-1198				5 6 8 10 12 16	1200		
	18	25-1198				5 6 8 10 12 16	1200		
	20	25-1198				6 8 10 12 16 20 24	1200		
	25	25-1198				8 10 12 16 20 24	1200		
	30	25-1498				8 10 12 16 20 24	1500		
	35	25-1498				10 12 16 20 24 30	1500		
	40	25-1498				12 16 20 24 30	1500		
	50	25-1498				16 20 24 30	1500		

Part Number		1 mm Increment				P	(Y) Max.	R	C
Type	D	L	F	B					
Standard Type D Tolerance g6	4	25-298				3	300	0.2 or Less	0.2 or Less
SFAN	5	25-398				3 4	400		
SSFAN	6	25-798				3 4 5 6	600		
PSFAN	8	25-998				3 4 5 6 8	800		
VPFBN	10	25-998				4 5 6 8 10	800		
VRBN	12	25-998				5 6 8 10 12	1000		
	13	25-1198				5 6 8 10 12	1000		
	15	25-1198				5 6 8 10 12	1000		
	16	25-1198				5 6 8 10 12 16	1200		
	18	25-1198				5 6 8 10 12 16	1200		
	20	25-1198				6 8 10 12 16 20 24	1200		
	25	25-1198				8 10 12 16 20 24	1200		
	30	25-1498				8 10 12 16 20 24	1500		
	35	25-1498				10 12 16 20 24 30	1500		
	40	25-1498				12 16 20 24 30	1500		
	50	25-1498				16 20 24 30	1500		

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Part Number		Available Types				
Type	D	Min. L -50	L51-100	L101-150	L151-200	L201-300

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