

Shafts

Standard & Precision Type / Both Ends Tapped with Wrench Flats / Both Ends Tapped with Cross-Drilled Holes



Precision Type With Wrench Flats D Tolerance g6 VFJZ VSFJZ VPFJZ VPFJZ VPSFJZ VRJZ	10	25-500	3	4	5	6						SC=1 mm Inc ① SC+ℓ ₁≤L	8		0.5 ml m
	12	25–500		4	5	6	8						10		
	13	25–500		4	5	6	8						11		0.5 OF Less
	15	25–500		4	5	6	8	10				O SC≥0	13		
	16	25–500		4	5	6	6 8 10 Uptails of Wrench F	U Details of Wrench Flats	14	10					
	18	25-500		4	5	6	8	10	12			P.199	16		
	20	30–500		4	5	6	8	10	12				17		
	25	30-500		4	5	6	8	10	12	16			22		1.0 or Less
	30	30-500				6	8	10	12	16	20		27	15	

	L	Selection			Wrench Flats Dimensions			Cross-Drilled Hole Dim.		0							
Туре 🛛				1 mm Inc.	M (Coarse Threads)							SC	W	l ₁	н	d	L.
	D Tolerance h5 SFUZ SSFUZ PSFUZ PSSFUZ	With Cross Drilled Holes 6s-D-30, L-500 D Tolerance g6 SFHZ PSFHZ PSFHZ PSFHZ PSFHZ PSFHZ D Tolerance f8 PSGHZ 3	6	20(15)-900 3	3								5		—	-	
Standard Type With Wrench Flats D Tolerance g6 SFJZ SSFJZ PSFJZ PSSFJZ			8	20(15)-1100	3	4	5						7	8		3	- 0.5 or Less
			10	20(15)-1200	3	4	5	6]	8]			
			12	20(15)–1400	(3)	4	5	6	8			SC=1 mm Inc	10		H=Specified in 1 mm increments ✔ d/2+N x 2.5 +b ✔ H≥Mx2.5+d/2+6		
			13	25(15)-1400	(3)	4	5	6	8				11			4	
			15	25(15)-1400	(3)	4	5	6	8	10			13				
			16	30(16)–1400		4	5	6	8	10			14 10	10			
			18	30-1400		4	5	6	8	10 12		Details of	16	16		6	
RSFJZ			20	30–1400		4	5	6	8	10 12		Wrench Flats 17 P.199 22 27	17	1		0	_
D Tolerance f8 PSFGZ PSSFGZ			25	35-1400		4	5	6	8	10 12 16			22	1		_	
			30	35-1500				6	8	10 12 16	20		15		1	1.0.01.000	
			35	35-1500					8	10 12 16	20 24		30	- 15		1.0	1.0 OF Less
			40	50-1500					10 12 16 2	20 24 30		36		_	_		
			50	65-1500						12 16	20 24 30]	41	20			

• For Shafts without wrench flats or cross-drilled holes, please see P.208. • fasts not intended for use with Linear Ball Bushings.

O L() and M() dimensions are applicable only for D diameter tolerance with g6.

① Total length requires to be Mx2+Nx2≤L.

U When Mx2.5+4+Nx2.5+4=L, tap pilot holes may go through and the effective thread length of the smaller tapping may be made shorter to prioritize the effective thread of the larger tapping.

C

Check out misumiusa.com for the most current pricing and lead time.

Shafts

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Alteration Details P.200

tions	Code	Spec.
NSC (Fine Thread)	MSC NSC	Change to Fine Tapped Thread Ordering Code: MSC14 (M is changed to MSC) NSC14 (N is changed to NSC) Application Notes: Applicable to D=12 or more For details, see Shaft Alteration Overview P.200 .
	RC	90° Set Screw Flat at One Location Ordering Code: RC10 Application Notes: Applicable for D=10 to 30 & Not applicable to precision shafts. & Not available in combination with WRC. For details, see Shaft Alteration Overview P.200 .
	WRC	90° Set Screw Flats at Two Locations Ordering Code: WRC10-Y10 Application Notes: Applicable for D=10 to 30 Not applicable to precision shafts. Not available in combination with RC. Orientation between set screw flats is random. For details, see Shaft Alteration Overview P.200 .
ND(Nx3)	MD ND	Change the effective tap depth to M(N)x3. Ordering Code: MD6/ND6 (M is changed to MD, N is changed to ND) Application Notes: Only applicable to D=6~30 and M (N) = 6-20 One End Tapped: MDx3.5+4≥L O Both Ends Tapped: MDx3.5+4+NDx3.5+4≥L

O Please see Shaft Alteration Overview for details if provided. **P.200**

(1) When selecting multiple alteration additions, the distance between machined areas should be greater

O The distance between wrench flats and cross-drilled holes should be greater than 2 mm for

① Alterations may lower hardness. See P.199