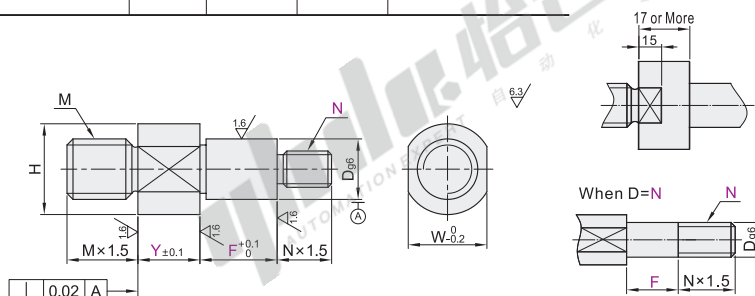


Cantilever Shafts

Standard Both Ends Threaded

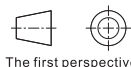
Code	Type		Material		Surface Treatment
			GB	Equiv.	
MDP01	Both Ends Threaded	Standard	45	S45C	Black Oxide

Dimensions of Wrench Flats when $Y \geq 17$



① Refer to the table 1 below for thread undercut dimensions.

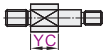
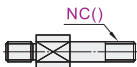
② Process hole processing conditions: Total length divided by the length of D segment > 3 and $M \cdot N \geq 4$; $4 \leq D \leq 11$ and total length ≥ 70 ; $11 < D \leq 18$ and total length ≥ 90 ; $D > 18$ and total length ≥ 110 . (Refer to P379 for detailed dimensions of the process hole)



Part Number		Dg6		1 mm Inc.		N (Coarse)	H	W	M (Coarse)
Code	No.			Y	F				
MDP01	3	3	-0.002 -0.008			3	7	5	M3
	3A						11	9	
	4	4		2~32	3~55	3 4	8	6	M4
	4A						12	10	
	5	5	-0.004 -0.012			3 4 5	9	7	M5
	5A						13	11	
	6	6				4 5 6	10	8	M6
	6A						14	12	
	8	8			5~110	5 6 8	12	10	M8
	8A		-0.005 -0.014				16	14	
	10	10				6 8 10	15	13	M10
	10A			2~65			20	17	
	12	12				6 8 10 12	17	14	
	13	13					18	15	
	15	15	-0.006 -0.007			6 8 10 12 (15)	20	17	M12
	16	16					21	18	
	17	17				8 10 12 (15)	22	19	
	18	18					23	20	
	20	20			10~110		26		M20
	20A					10 12 (15) 16 20		24	M16
	22	22					28		M20
	22A		-0.007 -0.020	4~65					M16
	25	25				10 12 (15) 16 20 24 (25)	31	27	M20
	25A								M16
	30	30				12 (15) 16 20 24 (25) 30	36	32	M20
	30A								M16

③ N dimensions with () (M15 and M25) are Fine Thread. Specify NC instead of N.



Code	Spec.																													
YC	Y Dimension Tolerance 	Ordering Code YC ① Changes Y dimension tolerance to ± 0.04 .																												
NC()	Fine Thread 	Ordering Code NC5 ① Changes Thread N to Fine Thread on table below. <table><tr><th>NC</th><th>Pitch</th><th>NC</th><th>Pitch</th></tr><tr><td>M3</td><td>0.35</td><td>M12</td><td></td></tr><tr><td>M4</td><td></td><td>M15</td><td>1.0</td></tr><tr><td>M5</td><td>0.5</td><td>M20</td><td></td></tr><tr><td>M6</td><td>0.75</td><td>M25</td><td>1.5</td></tr><tr><td>M8</td><td></td><td>M30</td><td></td></tr><tr><td>M10</td><td>1.0</td><td></td><td></td></tr></table>	NC	Pitch	NC	Pitch	M3	0.35	M12		M4		M15	1.0	M5	0.5	M20		M6	0.75	M25	1.5	M8		M30		M10	1.0		
NC	Pitch	NC	Pitch																											
M3	0.35	M12																												
M4		M15	1.0																											
M5	0.5	M20																												
M6	0.75	M25	1.5																											
M8		M30																												
M10	1.0																													
WC	Four Wrench Flats 	Ordering Code WC ① Changes from two wrench flats to four wrench flats.																												

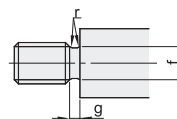


Table 1: Thread Undercut Dimensions

Coarse Thread				Fine Thread			
Thread Dia. (M-N)	g	r	f	Thread Dia. (NC)	g	r	f
3			2.1~2.4	3			2.1~2.4
4	1.2~1.5	0.2~0.3	2.9~3.2	4	1.2~1.5	0.2~0.3	2.9~3.2
5			3.9~4.1	5			3.9~4.1
6			4.3~4.9	6			4.3~4.9
8	1.5~2.5	0.2~0.6	6.3~6.6	8	1.5~2.5	0.2~0.6	6.3~6.6
10			8.1~8.3	10			8.3~8.6
12			9.8~10.1	12			9.8~10.7
16	1.5~3.0	0.2~1.0	13.6~13.8	16	1.5~3.0	0.2~1.0	13.6~13.8
20	1.5~4.0		17.0~17.2	20	1.5~4.0		17.2~18.8
24			20.0~20.7	24			20.2~23.2
30	2.5~5.0	0.2~1.5	26.0~26.2	30	2.5~5.0	0.2~1.5	26.2~28.2

Optional Processing

Part Number	Dg6	Y	F	N	Optional Processing Code
MDP01	3	2~32	3~55	3 4	YC NC() WC
MDP01	4	4	4	4	

MDP01—3—Y25—F30—N3

MDP01—3—Y25—F30—N3—YC



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