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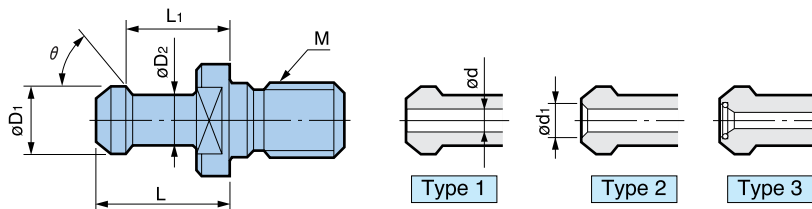
PULL STUD BOLT



**TOOL STEEL
X40CrMOV51**

Tensile Strength Improved By Utilizing Tool Steel (X40CrMOV51).

Toolholders may be pulled out of the machine spindle at high speeds due to strong centrifugal forces. Strong MEGA PULLSTUDS are recommended to protect against this possibility.



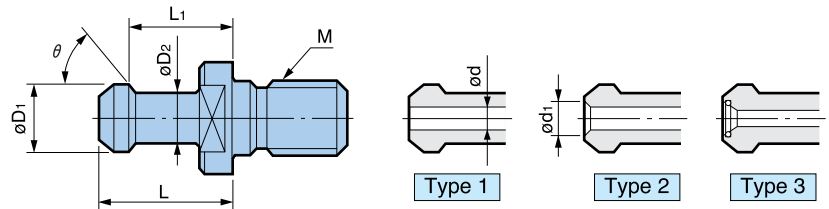
Spindle	Model	Standard	ϕD_1	ϕD_2	L	L_1	θ	ϕd	ϕd_1	Hole Type	Specification / Feature
30 (M12)	30PMG	JIS	12	8	23.4	18.4	75	None		–	JIS BT30
	30PMGH							4.0		1	JIS BT30 with hole
	30PMGH2							2.5	5.5	3	YASDA
	P30T-1MG	MAS-I	11	7	23	18	45	None		–	MAS-1 BT30
	P30T-1MGH							2.5		1	MAS-1 BT30 with hole
	P30T-2MG	MAS-II	11	8	23	18	60	None		–	MAS-2 BT30
	P30T-2MGH							2.5		1	MAS-2 BT30 with hole
	30P-1MGH	Original	11	8	23	18	45	4.0		1	FANUC
40 (M16)	40P	JIS	19	14	29	23	75	None		–	JIS BT40
	40PMG							7.0		1	JIS BT40 with hole
	40PH							7.0		1	MAKINO (Face G) ※1
	40PMGH							4.0	5.0	2	OKUMA (Face G) ※1
	40PH2							7.0		1	YASDA $\phi 3$ side hole
	40PMGH2							7.0		1	YASDA
	40PH7							5.0	10.0	3	YASDA
	40PMGH7							5.0		1	MITSUI
	40PH4							7.0		1	YASDA $\phi 3$ side hole
	40PMGH3							7.0		1	YASDA $\phi 3$ side hole
	40PH11							10.0	3	YASDA	
	40PH12	5.0		1	MITSUI						
	P40T-1	MAS-I	15	10	35	28	45	None		–	MAS-1 BT40
	P40T-1MG							3.0		1	MAS-1 BT40 with hole
	P40T-1H							3.5	5.5	2	
	P40T-1MGH							3.0	7.0	3	OKUMA
	P40T-1H4							4.0		1	MAKINO (Face G) ※1
	P40T-2	MAS-II	15	10	35	28	60	None		–	MAS-2 BT40
	P40T-2MG							3.0		1	MAS-2 BT40 with hole
	P40T-2H							3.5	5.5	2	
	P40T-2MGH							3.5	5.5	2	
	PVD40	DIN	19	14	26	20	75	7.0		1	DIN 69872 from A
	PVD40MG									1	
	MP40	Original	15	10	25	18	90	None		–	MITSUI
POM40									–	MORI w/o hole	
POM40MG	15		10	35	28	90	None		–	MORI From B	
POM40F									–	MORI From B	
PMO40	19		14	29	23	75	7.0	10.0	3	MORI with hole	
PMO40MG											
PYN40	18.8		12.45	19.11	14.03	45	7.0			1	MAZAK
PYN40MG											

1. Machine tool builders have used many various shapes and sizes of pull stud bolts.

2. The use of the incorrect bolts may result in injury or property damage for your machining center.

※1. End face was grinded for the sealing.

※2. End face has O-ring for the sealing.



Spindle	Model	Standard	ϕD_1	ϕD_2	L	L_1	θ	ϕd	ϕd_1	Hole Type	Specification / Feature										
50 (M24)	50PH	JIS	28	21	34	25	75	10.0		1	JIS 50 with hole										
	50PMGH										MAKINO (Face G) ※1										
	50PH2																				
	P50T-1	MAS-I	23	17	45	35	45			-	MAS-1 BT50										
	P50T-1MG										None										
	P50T-1H										8.0	1	MAS-1 BT50 with hole								
	P50T-1MGH										6.0	1	MAKINO (Face G) ※1								
	P50T-1H1										6.0	10.4	1	JTEKT							
	P50T-1H4										6.0	11.2	3	YASDA							
	P50T-1H5										5.5	11	3	MORI (Face G) ※1							
	P50T-1H8										8.2	9.5	3	OKUMA							
	P50T-1H18										6.2		3	TOSHIBA							
	P50T-1H19										4.5		1								
	P50T-2										MAS-II	23	17	45	35	60				-	MAS-2 BT40
	P50T-2MG																				None
	P50T-2H																				8.0
	P50T-2MGH	6.0	1	OKUMA (Face G) ※1																	
	P50T-2H14	6.0	7.0	2	OKUMA																
	P50T-2MGH2	6.0		1	JTEKT																
	P50T-2H11	6.2	9.5	3	YASDA																
	P50T-2H15	6.2	10.4	3																	
	P50T-2H16	5.7	11.2	3																	
	PVD50	DIN	28	21	34	25	75	11.5		1	DIN 69872 from A										
	MP50	Original	24	18	31	23	90				-	MITSUI									
	MP50H1											8.0	1	MITSUI with hole							
	POM50		23	17	45	35	90					-	MORI								
	POM50H												8.0	1	MORI with hole						
	POM50H1												8.0	12.4	3	OKUMA with hole					
POM50H7	23												17	45	35	90	6.0	9.5	3	OKUMA with hole	
POM50H8	23												17	45	35	90	6.0		1	OKK (Face O) ※2	
PYN50-5	28.96												20.83	25.2	17.58	45	10.0		1	MAZAK (Face G) ※1	

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