FLIP BOLT GEOMET COATING High Performance Hollow wall and Steel Structure Fixing



There is NO pin to hold a toggle! Very Strong strength, it requires a very small pre-hole. And not necessary to use a special tool. (PATENTED)

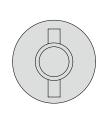


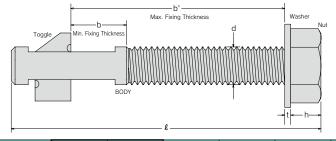


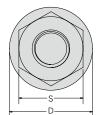
SURFACE: GEOMET® COATING

- Water-based chemical solution
- Completely chromium-free
- Metallic silver appearance
- Outstanding resistance to the salt spray test and cyclic corrosion test
- Superb resistance to heat and corrosion
- Superior prevention of galvanic corrosion of aluminum
- No concern for hydrogen embrittlement
- Overcoat can be applied on GEOMET® coating

FIXING CONDITIONS







MATERIAL

BODY AISI	1144	STEEL
TOGGLEAISI	1045	STEEL
NUT····· AISI	1010	STEEL
WASHER JIS S	S400	STEEL

BOLT SIZE d×ℓ (mm)	HOLE DIAMETER(mm)	b (mm) Min. Fixing Thickness	b' (mm) Max. Fixing Thickness	D (mm)	t(mm)	S(mm)	h(mm)
8× 50	8.5	13	29	18	1.6	13	6.5
8× 75	8.5	13	54	18	1.6	13	6.5
10× 60	10.5	16	35	22	1.6	17	8.0
10× 85	10.5	16	60	22	1.6	17	8.0
10×130	10.5	16	105	22	1.6	17	8.0
12× 70	12.5	19	39	26	2.3	19	10.0
12× 90	12.5	19	59	26	2.3	19	10.0
16× 90	16.5	22	51	32	2.6	24	13.0
20×110	20.5	25	61	40	3.2	30	16.0

STRENGTHS

BOLT SIZE	TORQUE/Nm	MAX. TENSILE STRENGTH/kN(Kgf)
M8	9N·m	11.3(1,152)
M10	18N·m	24.4(2,488)
M12	31N·m	28.6(2,916)
M16	77N⋅m	55.8(5,690)
M20	150N·m	100.7(10,269)

^{*} Do not exceed maximum Torque settings as recommended.

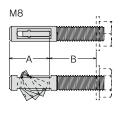


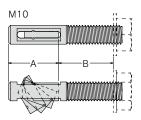
Sigtec Fasteners Inc.

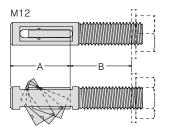
1-2-6 OMAGARI INDUSTRIAL PARK, KITAHIROSHIMA 061-1274, JAPAN Tel+81-11-377-8481 Fax+81-11-377-8592 Email:sales@sigtec-f.comwww.sigtec-f.com/en/

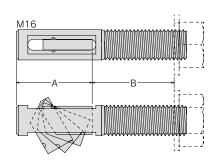
DIMENSION

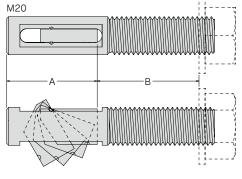
FLIP BOLT

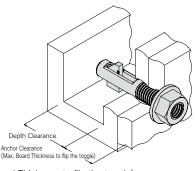












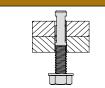
A = Depth Clearance B = Anchor Clearance(Max. Board Thickness to flip the toggle)
**ABOVE ILLUSTRATIONS ARE HALF SIZE OF ACTUAL FLIP BOLTS

BOLT SIZE	Depth Clearance	Anchor Clearance (Max. Board Thickness to flip the toggle)
8× 50	21	24
8× 75	21	49
10× 60	26.5	29
10× 85	26.5	54
10×130	26.5	99
12× 70	32	33
12× 90	32	53
16× 90	40	43
20×110	48	53

Above Anchor Clearances: With nuts and washer were assembled 2 threads.

FIXING INSTRUCTIONS

ertical work



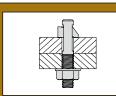
1. Insert bolt into pre-hole.



2. Hit the washer's surface to the workpiece 2 or 3 times.

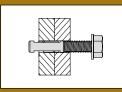


Pull and secure bolt with nut and washer supplied.

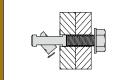


4. Completed.





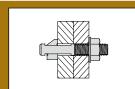
1. Insert bolt with marker pointing † up position.



2. Insert till washer hit the workpiece.



3. Pull and secure bolt with nut and washer supplied.

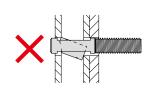


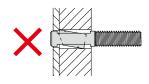
4. Completed.

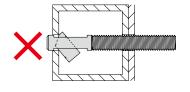
- * THERE IS A STICKER ON THE TOGGLE. IT SHOWS UPSIDE DIRECTIONS. PEEL OFF THE STICKER BEFORE INSERT THE FLIP BOLT INTO THE HOLE.
- * IT MUST HAVE ENOUGH DEPTH CLEARANCE WHICH NEED ABOUT 10mm SPACE.
- * JUST IN CASE, IF TOGGLE WON'T FLIP CORRECTLY, PLEASE TRY TO HIT 2-3 TIMES THEN TOGGLE FLIPS CORRECTLY.

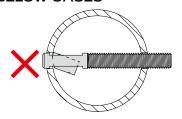
OPERATING PRECAUTIONS DO N

DO NOT USE BELOW CASES



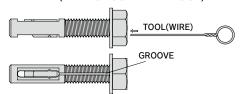


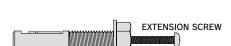




CUSTOMIZED VERSIONS ARE AVAILABLE UPON REQUEST AS BELOW

TYPE A (WITH GROOVE AND TOOL)





TYPE B (WITH EXTENTION SCREW)