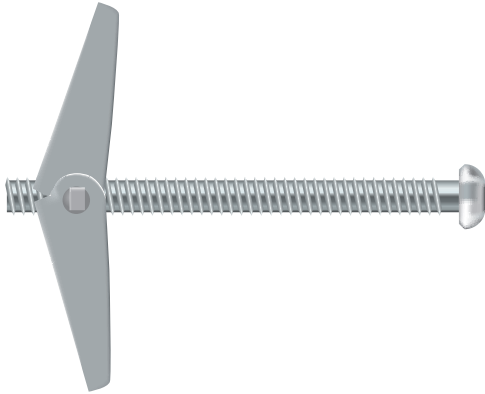
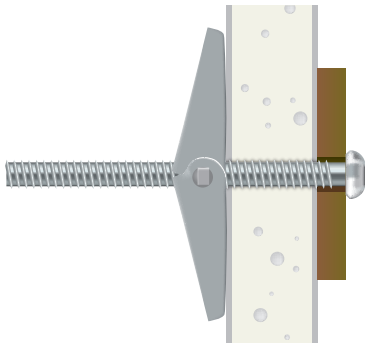


SPRING TOGGLES

Product Code: ST0100100010 to ST0100100220
Carbon Steel - White Zinc Plated



BASE MATERIAL



APPLICATIONS

- Installation
- Lighting
- Curtain supports
- Telephone systems
- Suspended ceiling hangers
- Fire resistant cabling
- Miscellaneous hardware



PRODUCT DESCRIPTION

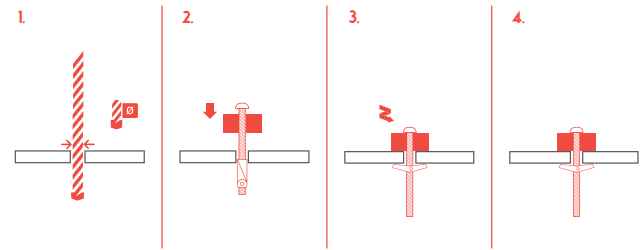
The NEXUS Spring Toggle has been designed for Hollow Base Materials such as Plasterboard, Hollow Block and Plywood. It's a two part product consisting of a spring wing and machine screw. The spring wing, when full opened and pressed up against the base material give a wider contact area resulting in heavier loadings. Various head types of screws can be used.

- Adjustable for various wall thicknesses
- Fast and easy installation and removal
- Non-flammable fixing

INSTALLATION SPECIFICATIONS

DIMENSIONS		ANCHOR DIAMETER					
		1/8"	3/16"	1/4"	5/16"	3/8"	1/2"
MIN. DRILL	WALL BOARD	3/8	1/2	5/8	7/8	7/8	1 - 1/4
BIT SIZE (IN)	HOLLOW CMU	1/2	9/16	3/4	7/8	1	1 - 1/4
WING CLEAR-ANCE		1 - 1/16	1 - 3/8	1 - 1/2	2 - 1/8	2 - 1/8	3
THREAD SIZE (UNC)		6 - 32	10-24	1/4 - 20	5/16 - 18	3/8 - 16	1/2 - 13

INSTALLATION DRAWINGS



1. Drill hole through base material.
2. Fold the wings against the screw and insert through the fixture and into the hole in the base material until the wings spring open.
3. Hold the fixture towards you to stop the wings spinning when tightening the screw with screwdriver.
4. Ensure screw is tight against the fixture.

PERFORMANCE DATA

Ultimate load capacities for the NEXUS Spring Toggle in Plasterboard

PRODUCT	3/8" PLASTERBOARD		1/2" PLASTERBOARD		5/8" PLASTERBOARD		3/4" PLASTERBOARD	
	ULTIMATE LOADS		ULTIMATE LOADS		ULTIMATE LOADS		ULTIMATE LOADS	
	TENSION LBS (KN)	SHEAR LBS (KN)	TENSION LBS (KN)	SHEAR LBS (KN)	TENSION LBS (KN)	SHEAR LBS (KN)	TENSION LBS (KN)	SHEAR LBS (KN)
1/8 (3.2)	115 (0.5)	120 (0.5)	150 (0.7)	135 (0.6)	190 (0.9)	180 (0.8)	220 (1.0)	210 (0.9)
3/16 (4.8)	130 (0.6)	140 (0.6)	185 (0.8)	190 (0.9)	235 (1.1)	235 (1.1)	290 (1.3)	280 (1.3)
1/4 (6.4)	215 (1.0)	235 (0.9)	235 (1.1)	235 (1.1)	265 (1.2)	260 (1.2)	315 (1.4)	300 (1.4)
5/16 (7.9)	240 (1.1)	240 (1.1)	250 (1.1)	280 (1.3)	275 (1.2)	300 (1.4)	320 (1.4)	340 (1.5)
3/8 (9.5)	245 (1.1)	250 (1.1)	255 (1.1)	295 (1.3)	290 (1.3)	315 (1.4)	340 (1.5)	355 (1.6)
1/2 (12.7)	255 (1.1)	275 (1.2)	325 (1.5)	315 (1.4)	390 (1.8)	375 (1.7)	415 (1.9)	400 (1.8)

Ultimate loads are the maximum performance and for a reference only. A safety factor must be applied of 4.0 or greater to determine the recommended load.

Recommended load capacities for the NEXUS Spring Toggle in Plasterboard

PRODUCT	3/8" PLASTERBOARD		1/2" PLASTERBOARD		5/8" PLASTERBOARD		3/4" PLASTERBOARD	
	ULTIMATE LOADS		ULTIMATE LOADS		ULTIMATE LOADS		ULTIMATE LOADS	
	TENSION LBS (kN)	SHEAR LBS (kN)	TENSION LBS (kN)	SHEAR LBS (kN)	TENSION LBS (kN)	SHEAR LBS (kN)	TENSION LBS (kN)	SHEAR LBS (kN)
1/8 (3.2)	30 (0.1)	30 (0.1)	40 (0.2)	35 (0.2)	50 (0.2)	45 (0.2)	55 (0.2)	55 (0.2)
3/16 (4.8)	35 (0.2)	35 (0.2)	45 (0.2)	50 (0.2)	60 (0.3)	60 (0.3)	75 (0.3)	70 (0.3)
1/4 (6.4)	55 (0.2)	55 (0.2)	60 (0.3)	60 (0.3)	65 (0.3)	65 (0.3)	80 (0.4)	75 (0.3)
5/16 (7.9)	60 (0.3)	60 (0.3)	65 (0.3)	70 (0.3)	70 (0.3)	75 (0.3)	80 (0.4)	85 (0.4)
3/8 (9.5)	60 (0.3)	65 (0.3)	65 (0.3)	75 (0.3)	75 (0.3)	80 (0.4)	85 (0.4)	90 (0.4)
1/2 (12.7)	65 (0.3)	70 (0.3)	80 (0.4)	80 (0.4)	100 (0.5)	95 (0.4)	105 (0.5)	100 (0.5)

Recommended load figures above have a safety factor of 4.0 applied.

ORDERING INFORMATION

PRODUCT REFERENCE	ANCHOR DIAMETER	ANCHOR LENGTH	DRILL DIAMETER	WING	THREAD SIZE (UNC)	BOX PACKING	CARTON PACKING
ST0100100010	1/8	2	3/8	1 1/16	6-32	100	500
ST0100100020	1/8	3	3/8	1 1/16	6-32	100	500
ST0100100030	1/8	4	3/8	1 1/16	6-32	100	500
ST0100100040	3/16	2	1/2	1 3/8	10-24	50	250
ST0100100050	3/16	3	1/2	1 3/8	10-24	50	250
ST0100100060	3/16	4	1/2	1 3/8	10-24	50	200
ST0100100070	3/16	5	1/2	1 3/8	10-24	50	200
ST0100100080	3/16	6	1/2	1 3/8	10-24	50	200
ST0100100090	1/4	3	5/8	1 1/2	1/4-20	50	200
ST0100100100	1/4	4	5/8	1 1/2	1/4-20	50	200
ST0100100110	1/4	5	5/8	1 1/2	1/4-20	50	200
ST0100100120	1/4	6	5/8	1 1/2	1/4-20	50	200
ST0100100130	5/16	3	7/8	2 1/8	5/16-18	25	100
ST0100100140	5/16	4	7/8	2 1/8	5/16-18	25	100
ST0100100150	5/16	5	7/8	2 1/8	5/16-18	25	100
ST0100100160	5/16	6	7/8	2 1/8	5/16-18	25	100
ST0100100170		3	7/8	2 1/8	3/8-16	25	100
ST0100100180	3/8	4	7/8	2 1/8	3/8-16	25	100
ST0100100190	3/8	5	7/8	2 1/8	3/8-16	25	100
ST0100100200	3/8	6	7/8	2 1/8	3/8-16	25	100
ST0100100210	1/2	4	1 1/4	3	1/2-13	25	100
ST0100100220	1/2	6	1 1/4	3	1/2-13	25	100

ORDERING INFORMATION CONT...

Wing only.

PRODUCT REFERENCE	ANCHOR DIAMETER 	ANCHOR LENGTH 	DRILL DIAMETER 	WING 	THREAD SIZE (UNC) 	BOX PACKING 	CARTON PACKING 
ST0100200010	1/8	2	3/8	1 1/16	6-32	100	500
ST0100200020	3/16	3	1/2	1 3/8	10-24	100	1000
ST0100200030	1/4	4	5/8	1 1/2	1/4-20	100	1000
ST0100200040	5/16	2	7/8	2 1/8	5/16-18	50	500
ST0100200050	3/8	3	7/8	2 1/8	3/8-16	50	500
ST0100200060	1/2		1 1/4	3	1/2-13	25	25