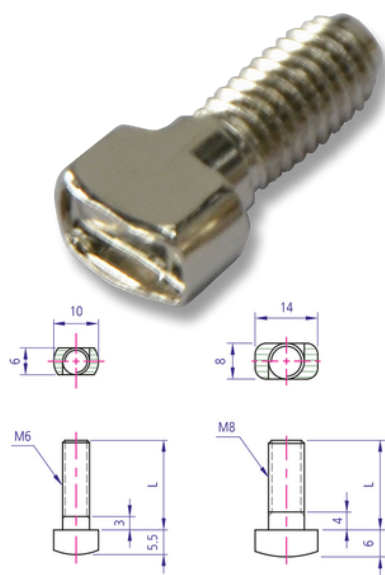


Bolts and Nuts

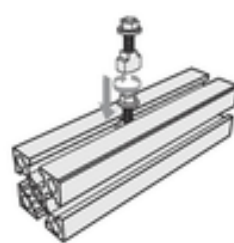
for Aluminum Profile

Fasteners are an important mechanical element that determines the fastening method when building or designing a structure. It is important to use the right size, type and material for the specific part to be fastened in the correct location. The bolts and nuts most commonly used in profile assembly are tensile load tested. Nuts range from normal nuts to nuts for T-bolts and bolts. These can connection parts offer design and engineering services to help customers create customized solutions for their specific needs.

T-BOLT

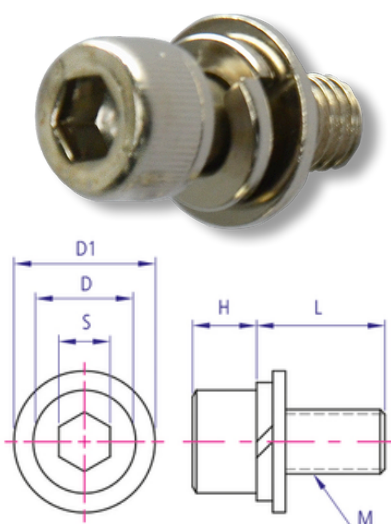


Material	SWCH10A, SUS304
Surface Processing	NI (nickel), B (black plating), S (SUS), A (zinc-nickel alloy plating-order specification)
Application	Convenient assembly without the hassle of nut sharpening



M	Part Number	L	H	h	B	W	Material	For Aluminum Profile
M6	ES-BTG 6X15 (30)	15	5.5	3	6	10	SWCH10A (SUS)	30x30
M8	ES-BTG 8X18 (40)	18	6	4	8	14		40x40/40x80

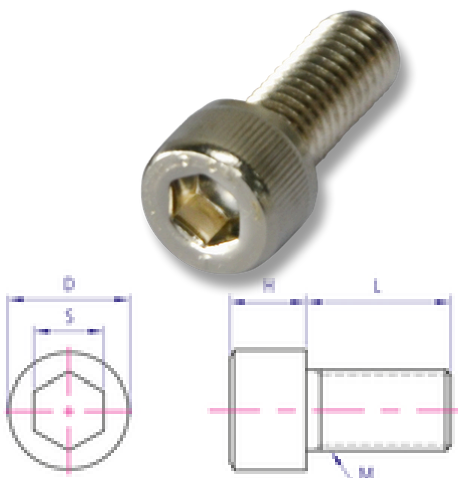
BOLT M5 WITH WASHER



Material	SCM435
Surface Processing	N (Nickel), Z (Zinc), E (Electroless), S (SUS), B (Blackened)
Application	Connecting parts (flat washer, spring washer integral)

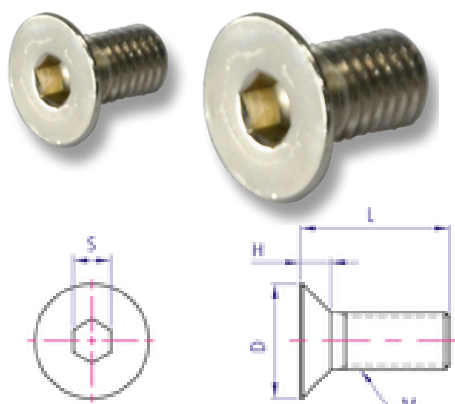
M	Part Number	L	H	D	D1	S	Material	For Aluminum Profile
M5	ES-BSW 5X15 (30)	15	5	8.5	10	4	SCM435	30x30
M6	ES-BSW 6X15 (30)	15	6	10	13	5		40x40/40x80
M8	ES-BSW 8X20 (40)	20	8	13	18	6		

BOLT (SOCKET CAP)



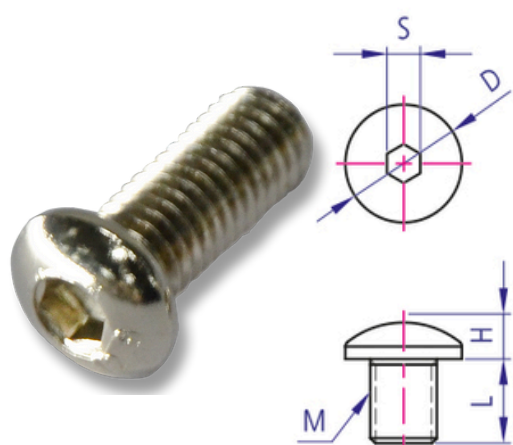
M	Part Number	L	H	D	S	Material	For Aluminum Profile
M6	ES-BWO 6X15 (30)	8-190	6	10	5	SCM435, SUS304	30x30
M6	ES-BWO 6X20 (30)	8-190	6	10	5		40x40/40x80
M8	ES-BWO 8X15 (40)	10-180	8	13	6		
M8	ES-BWO 8X20 (40)	10-180	8	13	6		

BOLT-COUNTERSUNK



M	Part Number	L	H	D	S	Material	For Aluminum Profile
M6	ES-BWO 6X12 (30)	8-80	3.3	12	3	SCM435, SUS304	30x30
M8	ES-BWS 8X12 (40)	10-80	4.4	15	4		40x40/40x80

CENTRAL BOLT-BUTTON TYPE HEX SOCKET



M	Part Number	L	H	D	S	Material	For Aluminum Profile
M6	ES-BWD 6X15 (30)	8-50	3.3	10.5	4	SCM435	30x30
M8	ES-BWD 8X20 (40)	10-70	4.4	14	5		40x40/40x80

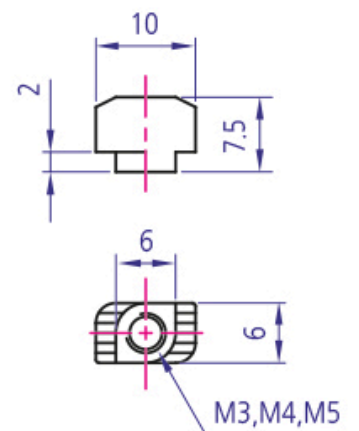
Bolts and Nuts

for Aluminum Profile

T-NUT (STANDARD)



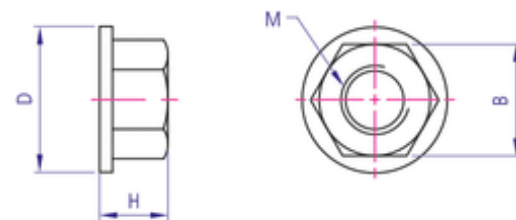
Product Name	T-NUT
Part Number	ES-NGT (30)
Material	ZINC ALLOY, STEEL
Surface	Processing NI(Nickel)
Application	Connect the nut directly to the bolt and insert the nut into the frame groove to fasten it.



FLANGE NUT



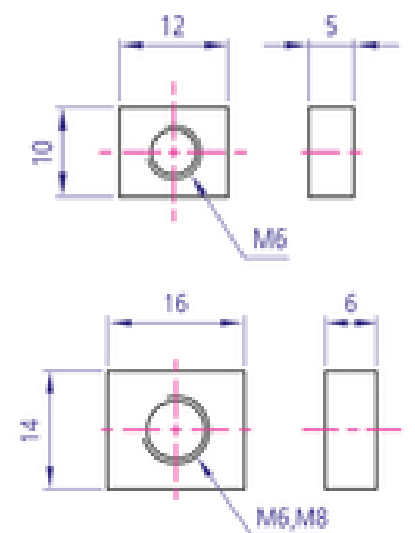
M	Part Number	D	H	B	Material	For Aluminum Profile
M6	ES-NFM6 (30)	13.5	6	10	SWCH10A, SUS	30x30
M8	ES-NFM8 (40)	17	8	12		40x40/40x80



NUT SQUARE



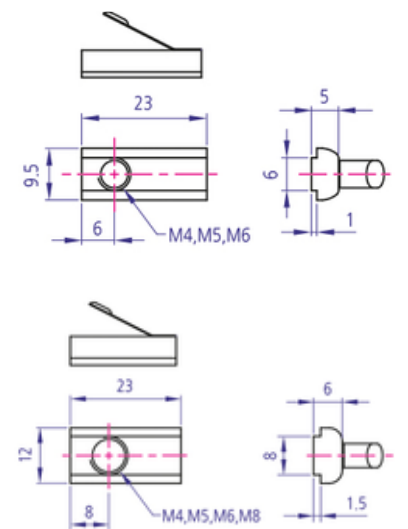
Product Name	Nut-Square for M6x15, M8x20 Bolt
Part Number	ES-NSR G306 (30), ES-NSR G408 (40)
Material	SWCH10A
Surface	N (Nickel), Z (Zinc), E (Electroless), NP (Non-Plated)
Application	Pre-inserted mating nuts



SPRING NUT



Part Number	ES-JCD 306 (30), ES-JCD 408 (40)
Material	SWRM8K
Surface	NI (Nickel), Z (Zinc), E (Electroless), S (SUS)
Application	After inserting into the frame groove, it is fixed in the desired position due to the tension of the spring, and prevents the nut from falling down when assembled in the vertical direction.



INSERT NUT



Part Number	ES-NI G305, ES-NI G408
Material	SWRM8K
Surface	NI (Nickel)
Application	Insert into the T-groove when assembling the profile to lock it in place.

