

Aluminum Extrusions

Brackets & Square Nuts for Aluminum Frame 15 mm Square

Aluminum Extrusions
15 mm Square

RoHS10

HFS3-1515 Configurable Length Extrusion

KHFS3-1515 Fixed Length Extrusion

Slot Details

Enlarged View of A

Part Number		L	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴		Available Types			
					ℓx	ℓy	Less than 300mm	300mm or More	1-9 pc(s).	10-
HFS3	1515	50-2000	0.34	126	0.280 x 10⁴	0.280 x 10⁴	•	•	—	—
KHFS3		2000					—	—	•	•

Part Number Example

Part Number - L

HFS3-1515 - 800

Application Example

Square Nuts for Aluminum Extrusions 15 mm Square

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Type	Material	Surface Treatment
HPTBS3	Low Carbon Steel	Trivalent Chromate
HBLPBS3		
HBLTBS3	6N01SS-T5	Clear Anodize

HPTBS3 Sheet Metal Bracket

HBLPBS3 Sheet Metal Blind Bracket

HBLTBS3 Extruded Brackets

Part Number Type	Mass (g)	Applicable Extrusion	Applicable Screw, T Nut			Allowable Load (N)
			Screw	Quantity	T Nut	
HPTBS3	8	HFS3-1515	CBM3-6	2	HNSQ3-3	160
HBLPBS3	2		Set Screw M3 x 4 (Included)			140
HBLTBS3	10		CBM3-6	2	HNSQ3-3	530

Brackets for Aluminum Extrusions 15 mm Square Nuts

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HNSQ

Material: 1018 Carbon Steel or Equivalent
Surface Treatment: Trivalent Chromate Plating

Part Number Example

Part Number - M

HPTBS3 HBLPBS3 HNSQ - 3

Application Example

Aluminum Bracket Extrusions

For Thin Brackets / For Thick Brackets

For Thin Brackets

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HFLBS5

HFLBS6

HFLBS8

Material: A6N01SS-T5 Aluminum Alloy Surface Treatment: Anodize

Part Number Type	L 1 mm Increment	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
				ℓx	ℓy
HFLBS5	50-3000	0.3	111	0.4 x 10⁴	0.4 x 10⁴
HFLBS6		0.75	275	2.2 x 10⁴	2.2 x 10⁴
HFLBS8		1.2	444	6.4 x 10⁴	6.4 x 10⁴

For Thick Brackets

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NFLBT5 HFLBT5

NFLBT6 HFLBT6

NFLBT8 HFLBT8

Type	Material	Surface Treatment
HFLBT	A6N01SS-T5 Aluminum Alloy Equivalent	Clear Anodize
NFLBT	6063 Aluminum AlloyS-T5	Clear Anodize

Part Number Type	No.	L 1 mm Increment	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
					ℓx	ℓy
HFLBT	5	50-3000	1.13	420	3.70 x 10⁴	3.70 x 10⁴
	6		2.3	850	19.06 x 10⁴	19.06 x 10⁴
	8		5.3	1961	109.9 x 10⁴	109.9 x 10⁴
NFLBT	5		1.13	420	3.70 x 10⁴	3.70 x 10⁴
	6		2.3	850	19.06 x 10⁴	19.06 x 10⁴
	8		5.3	1961	109.9 x 10⁴	109.9 x 10⁴

HFLBT6 is the base material component for HBLTS6 (P.2741) and HBLTS8 (P.2781)

For Thick Brackets

RoHS10

HFLBTW5

HFLBTW6

Material: A6N01SS-T5 Aluminum Alloy Equivalent Surface Treatment: Anodize

Part Number Type	L 1 mm Increment	Mass kg/m	Sectional Area mm²	Cross Sectional Moment of Inertia mm⁴	
				ℓx	ℓy
HFLBTW5	50-3000	1.9	700	17.4 x 10⁴	17.4 x 10⁴
HFLBTW6		4.0	1491	100.0 x 10⁴	100.0 x 10⁴

Part Number Example

Part Number - L

HFLBT5 - 800