

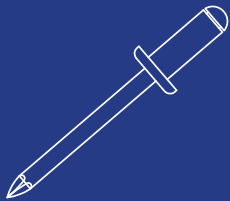


FAST-TECH
FASTENING TECHNOLOGY

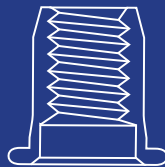


www.fast-tech.com

FAST-TECH is a globally renowned brand for blind rivets, rivet nuts and self-clinching products used in many industries such as automotive, white goods, electric, electronics, hardware, construction, heating & cooling and special machine production.



Blind Rivets



Rivets Nuts



Self Clinching

Our Priorities

Customer Satisfaction



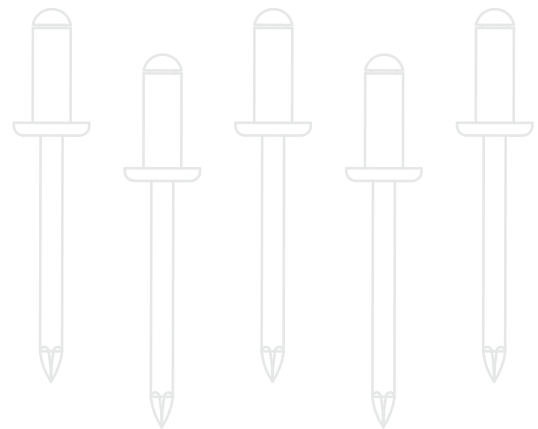
High Qualified Approach



Continuous Product Development



On Time Delivery



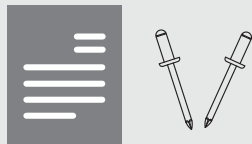
Forever Quality...

Along with changes in production technologies FAST-TECH has a continuously developing product range that follows customer needs closely and provides a wide selection of high quality products.





Best Customer Support



Best Product Selection



Best Quotation



Rivet selection factors to consider

1. Joint Strength

Shear and tensile force values are two factors for total joint strength. Refer to the “Shear”  and “Tensile”  columns on each product, and select a FAST-TECH rivet that provides the values you require. Rivet material and size are also key factors affecting joint strength.

2. Joint Thickness

Measure the total thickness of the materials to be joined. This determines the required grip of the rivet you select. Refer to the “Grip Range”  column and select a FAST-TECH rivet with a grip range that includes the work thickness required. Remember that insufficient grip range selection will not allow proper formation of the secondary head at the back of the work.

3. Nature Of Materials

Both the rivet and the materials to be fastened will affect the ultimate joint strength. As a general rule the rivet and materials to be fastened should have the same physical and mechanical properties. Dissimilarity between rivet and materials to be fastened may cause joint failure due to material fatigue or galvanic corrosion.

4. Hole Size

Hole size is an important factor to consider. Too small hole makes rivet insertion difficult. Too large hole will reduce the shear and tensile strengths and it may even cause bulging or separation of the members by allowing the rivet to expand between them instead of on the blind side. Best practice is to follow the “Hole Size”  recommendations provided. Also it is recommended to avoid burrs in and around the holes.

5. Head Style

The low-profile dome head is appropriate for most applications. However, when soft or brittle materials are fastened to a rigid backing member, the large flange head should be considered. When a flat surface is required, countersunk head style should be selected.

Dome Head Rivet

With its neat appearance and low profile, this is the most versatile and most commonly specified head style. The dome head has twice the diameter of the rivet body, providing enough bearing surface for use in all but extremely soft or brittle materials.

Large Flange Rivet

Large Flange rivets have twice the under-head bearing surfaces of comparable dome head rivets and are designed for applications where soft or brittle materials must be assembled to a rigid backing material.

Countersunk Rivet

This head design is specified wherever a flat surface is required.

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Riv-Fast

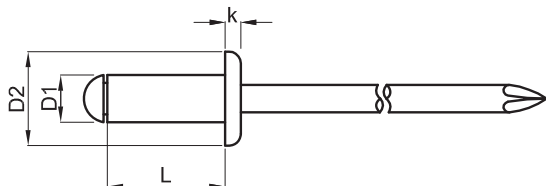
Standard Dome Head Blind Rivet

Body Material

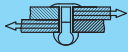
Aluminium

Mandrel Material

Steel

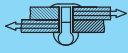


Ø 2,4mm

	PART #	D2 +/-0,2	k ≤				
2,4x5	RB24-050-ANS	5,0	0,7	0,5-2,5	315 N	355 N	10.000
2,4x6	RB24-060-ANS			2,0-4,0			10.000
2,4x8	RB24-080-ANS			4,0-6,0			10.000
2,4x10	RB24-100-ANS			6,0-8,0			10.000
2,4x12	RB24-120-ANS			8,0-10,0			10.000

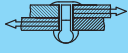
 = 2,5mm

Ø 3,0mm

	PART #	D2 +/-0,2	k ≤				
3,0x4	RB30-040-ANS	6,5	0,8	0,5-1,5	620 N	810 N	10.000
3,0x6	RB30-060-ANS			1,5-3,5			10.000
3,0x8	RB30-080-ANS			3,5-5,5			10.000
3,0x10	RB30-100-ANS			5,5-7,0			10.000
3,0x12	RB30-120-ANS			7,0-9,0			10.000
3,0x14	RB30-140-ANS			9,0-11,0			10.000

 = 3,1mm

Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x6	RB32-060-ANS	6,5	0,8	1,5-3,5	760 N	980 N	10.000
3,2x8	RB32-080-ANS			3,5-5,0			10.000
3,2x10	RB32-100-ANS			5,0-7,0			10.000
3,2x12	RB32-120-ANS			7,0-9,0			5.000
3,2x14	RB32-140-ANS			9,0-11,0			5.000
3,2x16	RB32-160-ANS			11,0-13,0			5.000

 = 3,3mm

Riv-Fast

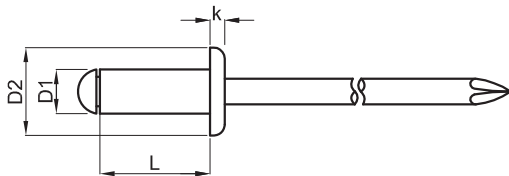
Standard Dome Head Blind Rivet

Body Material

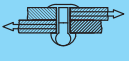
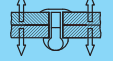
Aluminium

Mandrel Material

Steel

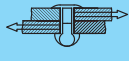
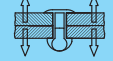


Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x6	RB40-060-ANS	8,0	1,0	1,5-3,0	1200 N	1600 N	10.000
4x8	RB40-080-ANS			3,0-5,0			10.000
4x10	RB40-100-ANS			5,0-6,5			10.000
4x12	RB40-120-ANS			6,5-8,5			5.000
4x14	RB40-140-ANS			8,5-10,5			5.000
4x16	RB40-160-ANS			10,5-12,5			5.000
4x18	RB40-180-ANS			12,5-14,5			5.000
4x20	RB40-200-ANS			14,5-16,5			5.000

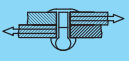
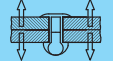
 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x6	RB48-060-ANS	9,5	1,1	1,0-3,0	1690 N	2230 N	5.000
4,8x8	RB48-080-ANS			3,0-4,5			5.000
4,8x10	RB48-100-ANS			4,5-6,0			5.000
4,8x12	RB48-120-ANS			6,0-8,0			5.000
4,8x14	RB48-140-ANS			8,0-10,0			5.000
4,8x16	RB48-160-ANS			10,0-12,0			5.000
4,8x18	RB48-180-ANS			12,0-14,0			5.000
4,8x20	RB48-200-ANS			14,0-16,0			2.500
4,8x22	RB48-220-ANS			16,0-18,0			2.500
4,8x25	RB48-250-ANS			18,0-21,0			2.500

 = 4,9mm

Ø 6,0mm

	PART #	D2 +/-0,2	k ≤				
6,0x8	RB60-080-ANS	12	1,5	2,0-4,0	3000 N	3900 N	2.500
6,0x10	RB60-100-ANS			4,0-6,0			2.500
6,0x12	RB60-120-ANS			6,0-8,0			2.500
6,0x14	RB60-140-ANS			7,0-9,0			2.500
6,0x16	RB60-160-ANS			9,0-11,0			2.500
6,0x18	RB60-180-ANS			11,0-13,0			2.500

 = 6,1mm

Riv-Fast

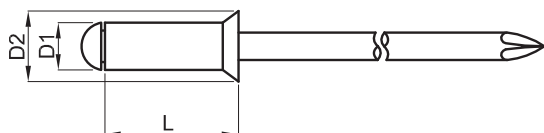
Countersunk Head Blind Rivet

Body Material

Aluminium

Mandrel Material

Steel

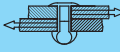


Ø 3,2mm

	PART #	D2 +/-0,2				
3,2x8	RB32-080-ANS-C	6.0	3,5-5,0	760 N	980 N	10.000
3,2x10	RB32-100-ANS-C		5,0-7,0			10.000
3,2x12	RB32-120-ANS-C		7,0-9,0			10.000

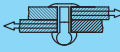
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2				
4x6	RB40-060-ANS-C	7,0	1,5-3,0	1200 N	1600 N	10.000
4x8	RB40-080-ANS-C		3,0-5,0			10.000
4x10	RB40-100-ANS-C		5,0-6,5			10.000
4x12	RB40-120-ANS-C		6,5-8,5			5.000
4x14	RB40-140-ANS-C		8,5-10,5			5.000
4x16	RB40-160-ANS-C		10,5-12,5			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2				
4,8x6	RB48-060-ANS-C	9	1,0-3,5	1690 N	2230 N	5.000
4,8x8	RB48-080-ANS-C		2,0-4,5			5.000
4,8x10	RB48-100-ANS-C		4,5-6,0			5.000
4,8x12	RB48-120-ANS-C		6,0-8,0			5.000
4,8x14	RB48-140-ANS-C		8,0-10,0			5.000
4,8x16	RB48-160-ANS-C		10,0-12,0			5.000
4,8x18	RB48-180-ANS-C		12,0-14,0			2.500
4,8x20	RB48-200-ANS-C		14,0-16,0			2.500

 = 4,9mm

Riv-Fast

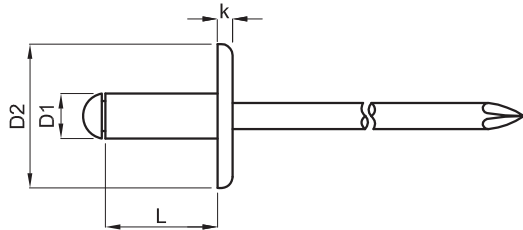
Large Dome Head Blind Rivet

Body Material

Aluminium

Mandrel Material

Steel



Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RB32-080-ANS-L	9,5	2,0	3,5-5,0	740 N	980 N	10.000
3,2x10	RB32-100-ANS-L			5,0-7,0			10.000
3,2x12	RB32-120-ANS-L			7,0-9,0			10.000
3,2x14	RB32-140-ANS-L			9,0-11,0			10.000
3,2x16	RB32-160-ANS-L			11,0-13,0			10.000

 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x6	RB40-060-ANS-L	12	2,5	1,5-3,0	1180 N	1600 N	10.000
4x8	RB40-080-ANS-L			3,0-5,0			10.000
4x10	RB40-100-ANS-L			5,0-6,5			10.000
4x12	RB40-120-ANS-L			6,5-8,5			5.000
4x14	RB40-140-ANS-L			8,5-10,5			5.000
4x16	RB40-160-ANS-L			10,5-12,5			5.000
4x18	RB40-180-ANS-L			12,5-14,5			5.000
4x20	RB40-200-ANS-L			14,5-16,5			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x8	RB48-080-ANS-L	14	2,7	3,0-4,5	1540 N	2230 N	5.000
4,8x10	RB48-100-ANS-L			4,5-6,0			5.000
4,8x12	RB48-120-ANS-L			6,0-8,0			5.000
4,8x14	RB48-140-ANS-L			8,0-10,0			5.000
4,8x16	RB48-160-ANS-L			10,0-12,0			5.000
4,8x18	RB48-180-ANS-L			12,0-14,0			5.000
4,8x20	RB48-200-ANS-L			14,0-16,0			2.500
4,8x22	RB48-220-ANS-L			16,0-18,0			2.500
4,8x25	RB48-250-ANS-L			18,0-21,0			2.500

 = 4,9mm

Riv-Fast

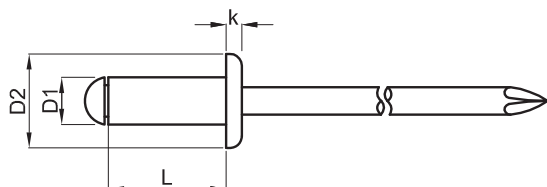
Dome Head Blind Rivet

Body Material

Steel

Mandrel Material

Steel



Ø 3,0mm

	PART #	D2 +/-0,2	k ≤				
3x5	RB30-050-SNS	6,5	0,8	0,5-1,5	915 N	1125 N	10.000
3x6	RB30-060-SNS			1,5-3,0			10.000
3x8	RB30-080-SNS			3,0-5,0			10.000
3x10	RB30-100-SNS			5,0-7,0			10.000
3x12	RB30-120-SNS			7,0-9,0			10.000
3x14	RB30-140-SNS			9,0-11,0			10.000

 = 3,1mm

Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x5	RB32-050-SNS	6,5	0,8	0,5-1,5	1060 N	1285 N	10.000
3,2x6	RB32-060-SNS			1,5-3,0			10.000
3,2x8	RB32-080-SNS			3,0-5,0			10.000
3,2x10	RB32-100-SNS			5,0-7,0			10.000
3,2x12	RB32-120-SNS			7,0-9,0			10.000
3,2x14	RB32-140-SNS			9,0-11,0			10.000

 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4,0x6	RB40-060-SNS	8,0	1,0	0,5-2,5	1550 N	1990 N	10.000
4,0x8	RB40-080-SNS			2,5-4,5			10.000
4,0x10	RB40-100-SNS			4,5-6,5			10.000
4,0x12	RB40-120-SNS			6,5-8,5			10.000
4,0x14	RB40-140-SNS			8,5-10,5			5.000
4,0x16	RB40-160-SNS			10,5-12,5			5.000
4,0x18	RB40-180-SNS			12,5-14,5			5.000
4,0x20	RB40-200-SNS			14,5-16,5			5.000

 = 4,1mm

Riv-Fast

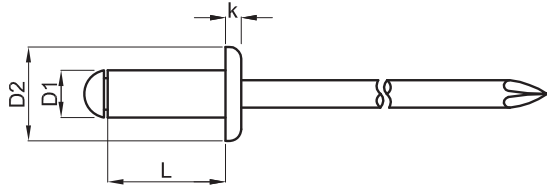
Dome Head Blind Rivet

Body Material

Steel

Mandrel Material

Steel



Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x6	RB48-060-SNS	9,5	1,1	1,0-2,5	2300 N	2920 N	5.000
4,8x8	RB48-080-SNS			2,5-4,5			5.000
4,8x10	RB48-100-SNS			4,5-6,0			5.000
4,8x12	RB48-120-SNS			6,0-8,0			5.000
4,8x15	RB48-150-SNS			8,0-11,5			5.000
4,8x18	RB48-180-SNS			11,5-13,5			5.000
4,8x20	RB48-200-SNS			13,5-15,0			5.000

 = 4,9mm

Ø 6,0mm

	PART #	D2 +/-0,2	k ≤				
6,0x10	RB60-100-SNS	12,0	1,5	2,5-4,5	4000 N	5000 N	2.500
6,0x12	RB60-120-SNS			4,5-6,5			2.500
6,0x15	RB60-150-SNS			6,5-9,5			2.500
6,0x18	RB60-180-SNS			9,5-12,5			2.500
6,0x22	RB60-220-SNS			12,5-16,5			2.500

 = 6,1mm

Ø 6,4mm

	PART #	D2 +/-0,2	k ≤				
6,4x8	RB64-080-SNS	13,0	1,8	1,0-3,0	4350 N	5400 N	2.500
6,4x10	RB64-100-SNS			2,0-4,0			2.500
6,4x12	RB64-120-SNS			3,0-6,0			2.500
6,4x16	RB64-160-SNS			6,0-9,0			2.500
6,4x18	RB64-180-SNS			9,0-12,0			2.500
6,4x22	RB64-220-SNS			12,0-16,0			2.500

 = 6,5mm

Riv-Fast

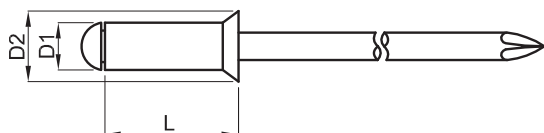
Countersunk Dome Head Blind Rivet

Body Material

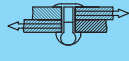
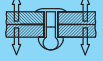
Steel

Mandrel Material

Steel

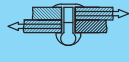
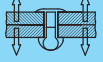


Ø 3,0mm

	PART #	D2 +/-0,2				
3x6	RB30-060-SNS-C	6,0	1,5-3,0	950 N	1125 N	10.000
3x8	RB30-080-SNS-C		3,0-5,0			10.000
3x10	RB30-100-SNS-C		5,0-7,0			10.000
3x12	RB30-120-SNS-C		7,0-9,0			10.000

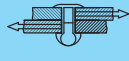
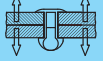
 = 3,1mm

Ø 3,2mm

	PART #	D2 +/-0,2				
3,2x6	RB32-060-SNS-C	6,0	1,5-3,0	1060 N	1285 N	10.000
3,2x 8	RB32-080-SNS-C		3,0-5,0			10.000
3,2x 10	RB32-100-SNS-C		5,0-7,0			10.000
3,2x12	RB32-120-SNS-C		7,0-9,0			10.000
3,2x14	RB32-140-SNS-C		8,0-11,0			10.000

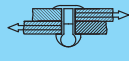
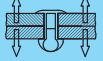
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2				
4x6	RB40-060-SNS-C	7,5	1,5-2,5	1550 N	1990 N	10.000
4x 8	RB40-080-SNS-C		2,5-4,5			10.000
4x 10	RB40-100-SNS-C		4,5-6,5			10.000
4x12	RB40-120-SNS-C		6,5-8,5			10.000
4x14	RB40-140-SNS-C		8,5-10,5			10.000

 =4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2				
4,8x8	RB48-080-SNS-C	9,0	1,5-4,0	2300 N	2920 N	5.000
4,8x10	RB48-100-SNS-C		3,5-6,0			5.000
4,8x12	RB48-120-SNS-C		6,0-8,0			5.000
4,8x14	RB48-140-SNS-C		8,0-10,0			5.000
4,8x16	RB48-160-SNS-C		10,0-11,5			5.000

 =4,9mm

Riv-Fast

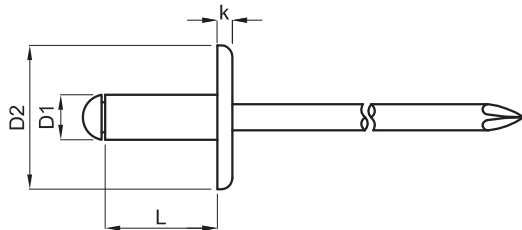
Large Dome Head Blind Rivet

Body Material

Steel

Mandrel Material

Steel



Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RB32-080-SNS-L	9,5	2,0	3,5-5,0	1060 N	1285 N	10.000
3,2x10	RB32-100-SNS-L			5,0-7,0			10.000
3,2x12	RB32-120-SNS-L			7,0-9,0			10.000
3,2x14	RB32-140-SNS-L			9,0-11,0			10.000
3,2x16	RB32-160-SNS-L			11,0-13,0			10.000

 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x6	RB40-060-SNS-L	12	2,5	1,5-3,0	1550 N	1990 N	10.000
4x8	RB40-080-SNS-L			3,0-5,0			10.000
4x10	RB40-100-SNS-L			5,0-6,5			10.000
4x12	RB40-120-SNS-L			6,5-8,5			5.000
4x14	RB40-140-SNS-L			8,5-10,5			5.000
4x16	RB40-160-SNS-L			10,5-12,5			5.000
4x18	RB40-180-SNS-L			12,5-14,5			5.000
4x20	RB40-200-SNS-L			14,5-16,5			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x8	RB48-080-SNS-L	14	2,5	3,0-4,5	2300 N	2920 N	5.000
4,8x10	RB48-100-SNS-L			4,5-6,0			5.000
4,8x12	RB48-120-SNS-L			6,0-8,0			5.000
4,8x14	RB48-140-SNS-L			8,0-10,0			5.000
4,8x16	RB48-160-SNS-L			10,0-12,0			5.000
4,8x18	RB48-180-SNS-L			12,0-14,0			5.000
4,8x20	RB48-200-SNS-L			14,0-16,0			2.500
4,8x22	RB48-220-SNS-L			16,0-18,0			2.500
4,8x25	RB48-250-SNS-L			18,0-21,0			2.500

 = 4,9mm

Riv-Fast

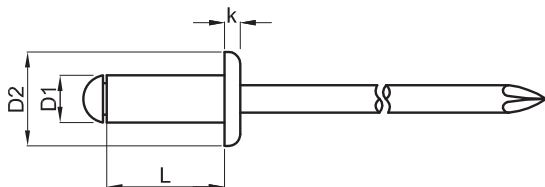
Dome Head Blind Rivet

Body Material

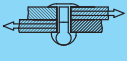
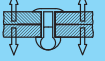
Stainless Steel

Mandrel Material

Stainless Steel

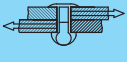
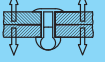


Ø 3,0mm

	PART #	D2 +/-0,2	k ≤				
3,0x6	RB30-060-RNR	6,5	0,8	1,0-3,0	1600 N	2000 N	10.000
3,0x8	RB30-080-RNR			3,0-5,0			10.000
3,0x10	RB30-100-RNR			5,0-7,0			10.000
3,0x12	RB30-120-RNR			7,0-9,0			10.000
3,0x16	RB30-160-RNR			9,0-13,0			10.000

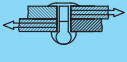
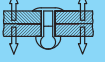
 = 3,1mm

Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x6	RB32-060-RNR	6,5	0,8	1,0-3,0	1800 N	2500 N	10.000
3,2x8	RB32-080-RNR			3,0-5,0			10.000
3,2x10	RB32-100-RNR			5,0-7,0			10.000
3,2x12	RB32-120-RNR			7,0-9,0			10.000
3,2x14	RB32-140-RNR			8,0-10,0			10.000
3,2x16	RB32-160-RNR			9,0-12,0			10.000

 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4,0x6	RB40-060-RNR	8,0	1	1,0-2,5	3100 N	3800 N	10.000
4,0x8	RB40-080-RNR			2,5-4,5			10.000
4,0x10	RB40-100-RNR			4,5-6,5			10.000
4,0x12	RB40-120-RNR			6,5-8,5			10.000
4,0x14	RB40-140-RNR			8,5-10,0			5.000
4,0x16	RB40-160-RNR			9,5-12,0			5.000
4,0x18	RB40-180-RNR			12,0-14,0			5.000

 = 4,1mm

Riv-Fast

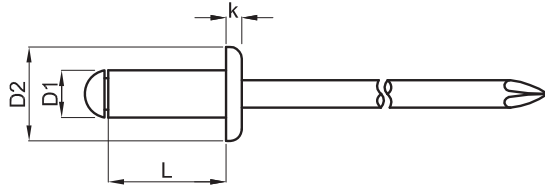
Dome Head Blind Rivet

Body Material

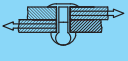
Stainless Steel

Mandrel Material

Stainless Steel

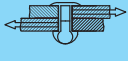


Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x8	RB48-080-RNR	9,5	1,1	1,5-4,0	4500 N	6000 N	5.000
4,8x10	RB48-100-RNR			4,0-6,0			5.000
4,8x12	RB48-120-RNR			6,0-8,0			5.000
4,8x14	RB48-140-RNR			8,0-9,5			5.000
4,8x16	RB48-160-RNR			9,5-11,0			5.000
4,8x18	RB48-180-RNR			11,0-13,0			5.000
4,8x20	RB48-200-RNR			11,0-15,0			2.500

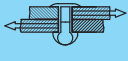
 = 4,9mm

Ø 6,0mm

	PART #	D2 +/-0,2	k ≤				
6x10	RB60-100-RNR	12,0	1,5	2,0-4,0	6500 N	8850 N	2.500
6x12	RB60-120-RNR			4,0-6,0			2.500
6x15	RB60-150-RNR			6,0-9,0			2.500
6x18	RB60-180-RNR			9,0-12,0			2.500
6x20	RB60-200-RNR			8,0-14,0			2.500

 = 6,1mm

Ø 6,4mm

	PART #	D2 +/-0,2	k ≤				
6,4x10	RB64-100-RNR	13,0	1,8	2,0-4,0	6500 N	8850 N	2.500
6,4x12	RB64-120-RNR			4,0-6,0			2.500
6,4x15	RB64-150-RNR			6,0-9,0			2.500
6,4x18	RB64-180-RNR			9,0-13,0			2.500
6,4x20	RB64-200-RNR			13,0-16,0			2.500
6,4x25	RB64-250-RNR			16,0-20,0			2.500

 = 6,5mm

Multi-Fast

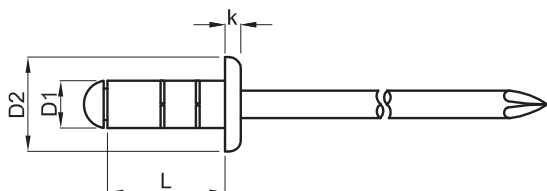
Dome Head Blind Rivet

Body Material

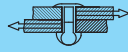
Aluminium

Mandrel Material

Steel

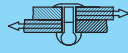


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RM32-080-ANS	6,0	1,4	1,0-5,0	680 N	980 N	10.000
3,2x10	RM32-100-ANS			2,5-7,0			10.000
3,2x12	RM32-120-ANS			4,5-9,0			10.000
3,2x14	RM32-140-ANS			6,5-11,0			10.000
3,2x16	RM32-160-ANS			8,5-13,0			10.000

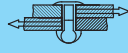
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x8	RM40-080-ANS	8,0	1,7	1,0-5,0	1150 N	1600 N	10.000
4x10	RM40-100-ANS			1,5-6,5			10.000
4x12	RM40-120-ANS			3,5-8,5			10.000
4x14	RM40-140-ANS			5,5-10,5			10.000
4x16	RM40-160-ANS			6,0-12,5			10.000
4x18	RM40-180-ANS			9,5-14,5			10.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x10	RM48-100-ANS	9,5	2,0	1,0-6,0	1500 N	2350 N	5.000
4,8x12	RM48-120-ANS			2,0-8,5			5.000
4,8x14	RM48-140-ANS			4,0-10,0			5.000
4,8x16	RM48-160-ANS			6,0-12,5			5.000
4,8x18	RM48-180-ANS			8,0-14,0			5.000
4,8x20	RM48-200-ANS			10,0-16,0			5.000

 = 4,9mm

Multi-Fast

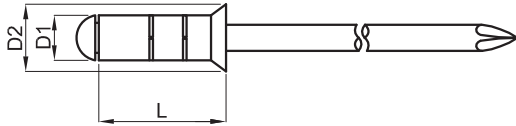
Countersunk Head Blind Rivet

Body Material

Aluminium

Mandrel Material

Steel



Ø 3,2mm

D1	PART #	D2 +/-0,2				
3,2x8	RM32-080-ANS-C	6,0	1,5-5,0	680 N	980 N	10.000
3,2x10	RM32-100-ANS-C		2,5-7,0			10.000
3,2x12	RM32-120-ANS-C		4,5-9,0			10.000
3,2 x14	RM32-140-ANS-C		6,5-11,0			10.000
3,2 x16	RM32-160-ANS-C		8,5-13,0			10.000

= 3,3mm

Ø 4,0mm

D1	PART #	D2 +/-0,2				
4x8	RM40-080-ANS-C	8,0	1,5-5,0	1150 N	1600 N	10.000
4x10	RM40-100-ANS-C		1,5-6,5			10.000
4x12	RM40-120-ANS-C		3,5-8,5			10.000
4x14	RM40-140-ANS-C		5,5-10,5			5.000
4x16	RM40-160-ANS-C		6,0-12,5			5.000
4x18	RM40-180-ANS-C		9,5-14,5			5.000

= 4,1mm

Ø 4,8mm

D1	PART #	D2 +/-0,2				
4,8x10	RM48-100-ANS-C	9,5	1,0-6,0	1500 N	2350 N	5.000
4,8x12	RM48-120-ANS-C		2,0-8,0			5.000
4,8x14	RM48-140-ANS-C		4,0-10,0			5.000
4,8x16	RM48-160-ANS-C		6,0-12,5			2.500
4,8x18	RM48-180-ANS-C		8,0-14,0			2.500
4,8x20	RM48-200-ANS-C		10,0-16,0			2.500

= 4,9mm

Multi-Fast

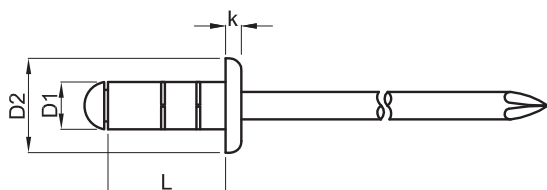
Dome Head Blind Rivet

Body Material

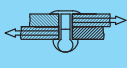
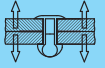
Aluminium

Mandrel Material

Stainless Steel

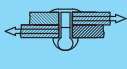
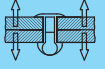


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RM32-080-ANR	6,0	1,4	1,0-4,8	680 N	980 N	10.000
3,2x9,5	RM32-095-ANR			1,2-6,4			10.000
3,2x11,1	RM32-111-ANR			4,0-7,9			10.000

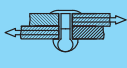
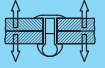
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x9,5	RM40-095-ANR	8,0	1,7	1,2-6,4	1150 N	1600 N	10.000
4x12,7	RM40-127-ANR			4,0-9,5			10.000
4x16,9	RM40-169-ANR			6,4-12,7			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x10,3	RM48-103-ANR	9,5	2,0	1,6-6,4	1500 N	2350 N	5.000
4,8x15,1	RM48-151-ANR			4,8-11,0			5.000
4,8x16,9	RM48-169-ANR			6,4-12,7			2.500
4,8x24,8	RM48-248-ANR			12,7-19,8			2.500

 = 4,9mm

Multi-Fast

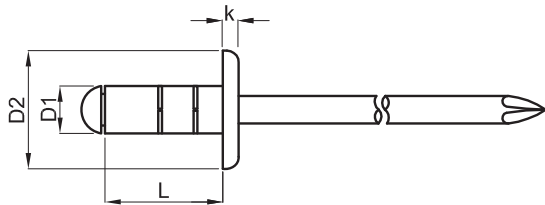
Large Head Blind Rivet

Body Material

Aluminium

Mandrel Material

Steel

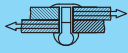
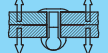


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RM32-080-ANS-L	9,5	2,0	1,0-5,0	680 N	980 N	10.000
3,2x9,5	RM32-100-ANS-L			1,3-6,4			10.000
3,2x11,1	RM32-120-ANS-L			4,0-7,9			10.000

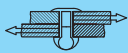
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x11,1	RM40-100-ANS-L	12,0	2,5	3,2-7,9	1150 N	1600 N	10.000
4x12,7	RM40-120-ANS-L			4,0-9,5			10.000
4x16,9	RM40-170-ANS-L			6,4-13,4			10.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x10,3	RM48-100-ANS-L	16,0	2,5	1,6-6,4	1500 N	2350 N	5.000
4,8x17	RM48-170-ANS-L			6,4-12,7			2.500
4,8x24,8	RM48-250-ANS-L			12,7-21,0			2.500

 = 4,9mm

Multi-Fast

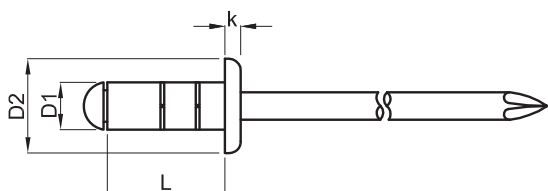
Dome Head with Grooved Mandrel Blind Rivet

Body Material

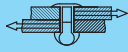
Steel

Mandrel Material

Steel

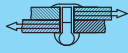


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x9	RM32-090-SNS	7,2	1,0	1,1-4,0	1500 N	1700 N	10.000
3,2x12	RM32-120-SNS			1,1-7,0			10.000
3,2x14	RM32-140-SNS			2,0-9,0			10.000

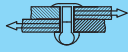
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x11	RM40-110-SNS	8,1	1,2	1,4-5,0	1955 N	2350 N	10.000
4x14	RM40-140-SNS			2,5-7,0			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x11	RM48-110-SNS	9,8	1,8	1,4-5,0	3350 N	3600 N	5.000
4,8x14	RM48-140-SNS			3,5-7,5			5.000
4,8x17,5	RM48-175-SNS			7,5-12,5			5.000

 = 4,9mm

Multi-Fast

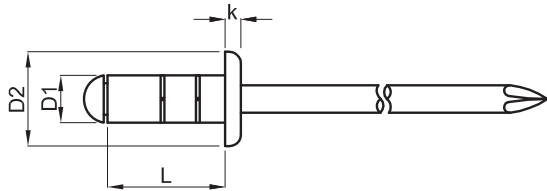
Dome Head with Grooved Mandrel Blind Rivet

Body Material

Stainless Steel

Mandrel Material

Stainless Steel



Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8,0	RM32-080-RNR	7,3	1,1	1,0-5,0	2500 N	2000 N	10.000
3,2x12	RM32-120-RNR			1,7-7,0			10.000

 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4,0x10	RM40-100-RNR	8,1	1,2	1,5-6,0	4200 N	3800 N	10.000
4,0x12	RM40-120-RNR			3,5-7,5			10.000
4,0x15	RM40-150-RNR			6,0-10,0			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x10	RM48-100-RNR	9,8	1,8	1,5-6,0	5000 N	4500 N	5.000
4,8x12	RM48-120-RNR			3,0-7,5			5.000
4,8x15	RM48-150-RNR			6,5-10,5			5.000
4,8x17,5	RM48-175-RNR			9,0-12,5			2.500

 = 4,9mm

Seal-Fast

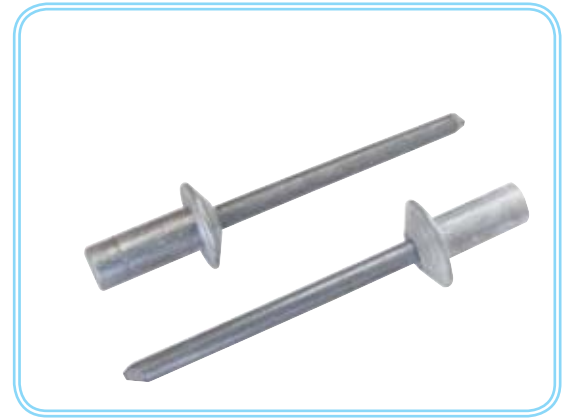
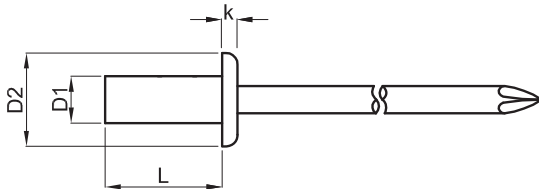
Dome Head Sealed Blind Rivet

Body Material

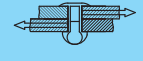
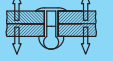
Aluminiyum (Almg5)

Mandrel Material

Steel

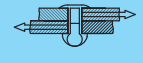
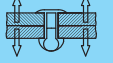


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x6,5	RS32-065-ANS	6,0	1,4	0,5-2,0	1070 N	1245 N	10.000
3,2x8,0	RS32-080-ANS			2,0-3,5			10.000
3,2x9,5	RS32-095-ANS			3,5-5,0			10.000
3,2x10,5	RS32-105-ANS			5,0-6,5			10.000

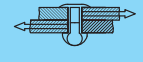
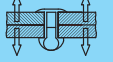
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x8	RS40-080-ANS	8,0	1,7	0,5-3,5	1710 N	2240 N	10.000
4x9,5	RS40-095-ANS			3,5-5,5			10.000
4x11	RS40-110-ANS			4,5-6,5			10.000
4x12,5	RS40-125-ANS			6,5-8,0			5.000
4x15	RS40-150-ANS			8,0-10,5			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x8	RS48-080-ANS	9,5	2,0	1,0-3,0	2230 N	3070 N	5.000
4,8x9,5	RS48-095-ANS			3,0-4,5			5.000
4,8x11	RS48-110-ANS			4,5-6,0			5.000
4,8x12,5	RS48-125-ANS			6,0-7,5			5.000
4,8x14	RS48-140-ANS			7,5-9,0			5.000
4,8x16	RS48-160-ANS			9,0-11,0			5.000
4,8x18	RS48-180-ANS			11,0-13,0			5.000

 = 4,9mm

Seal-Fast

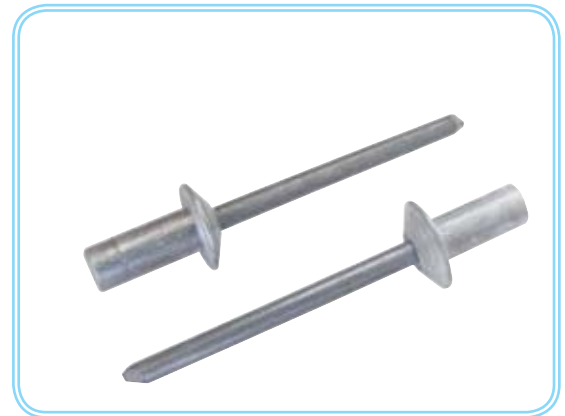
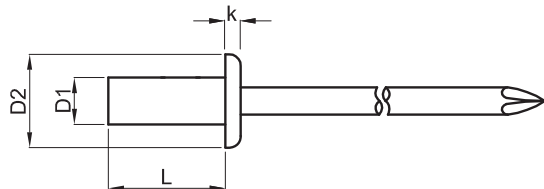
Dome Head Sealed Blind Rivet

Body Material

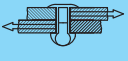
Aluminiyum (Almg5)

Mandrel Material

Stainless Steel

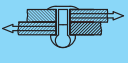


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x6,5	RS32-065-ANR	6,0	1,4	0,5-2,0	1070 N	1245 N	10.000
3,2x8,0	RS32-080-ANR			2,0-3,5			10.000
3,2x9,5	RS32-095-ANR			3,5-5,0			10.000
3,2x10,5	RS32-105-ANR			5,0-6,5			10.000

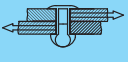
 = 3,3mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x8	RS40-080-ANR	8,0	1,7	0,5-3,5	1710 N	2240 N	10.000
4x9,5	RS40-095-ANR			3,5-5,5			10.000
4x11	RS40-110-ANR			4,5-6,5			10.000
4x12,5	RS40-125-ANR			6,5-8,0			5.000
4x15	RS40-150-ANR			8,0-10,5			5.000

 = 4,1mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x8	RS48-080-ANR	9,5	2,0	1,0-3,0	2230 N	3070 N	5.000
4,8x9,5	RS48-095-ANR			3,0-4,5			5.000
4,8x11	RS48-110-ANR			4,5-6,0			5.000
4,8x12,5	RS48-125-ANR			6,0-7,5			5.000
4,8x14	RS48-140-ANR			7,5-9,0			5.000
4,8x16	RS48-160-ANR			9,0-11,0			5.000
4,8x18	RS48-180-ANR			11,0-13,0			5.000

 = 4,9mm

3 Wings-Fast

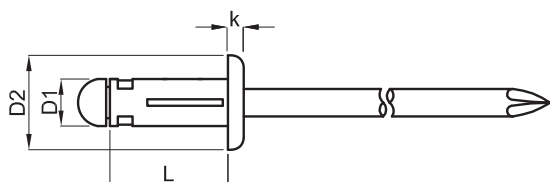
Dome Head Blind Rivets

Body Material

Aluminium

Mandrel Material

Aluminium



Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4,0x13,6	RW40-136-ANA	8,0	1,4	1,0-3,0	500 N	800 N	5.000
4,0x18,8	RW40-188-ANA			3,0-7,0			5.000
4,0x24,0	RW40-240-ANA			5,0-11,0			2.500

= 4,2 - 4,4mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x15,3	RW48-153-ANA	9,6	1,6	1,0-3,0	900 N	1100 N	2.500
4,8x20,5	RW48-205-ANA			3,0-9,0			2.500
4,8x24,5	RW48-250-ANA			5,0-12,0			2.500

= 5,0 - 5,2mm

Pell-Fast

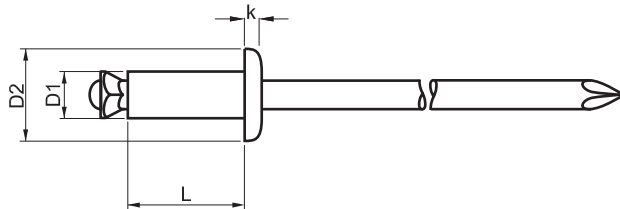
Dome Head Pell Blind Rivets

Body Material

Aluminium

Mandrel Material

Steel



Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8	RP32-080-ANS	6,0	0,8	0,5-1,0	765 N	700 N	10.000
3,2x10	RP32-100-ANS			1,0-3,0			10.000
3,2x12	RP32-120-ANS			3,0-5,0			10.000

 = 3,7mm max.

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x10	RP40-100-ANS	8,0	1,2	1,5-5,0	1260 N	1150 N	10.000
4x12	RP40-120-ANS			4,0-6,5			10.000
4x14	RP40-140-ANS			6,0-9,0			10.000
4x16	RP40-160-ANS			8,0-11,0			5.000
4x18	RP40-180-ANS			10,0-13,0			5.000
4x20	RP40-200-ANS			12,0-15,0			5.000

 = 4,5mm max.

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x10	RP48-100-ANS	9,5	1,3	0,5-4,0	2400 N	2200 N	5.000
4,8x12	RP48-120-ANS			2,0-6,0			5.000
4,8x14	RP48-140-ANS			4,0-8,0			5.000
4,8x16	RP48-160-ANS			6,0-10,0			5.000
4,8x18	RP48-180-ANS			8,0-12,0			5.000
4,8x20	RP48-200-ANS			10,0-14,0			2.500
4,8x22	RP48-220-ANS			12,0-16,0			2.500
4,8x25	RP48-250-ANS			16,0-19,0			2.500

 = 5,3mm max.

Bulb-Fast

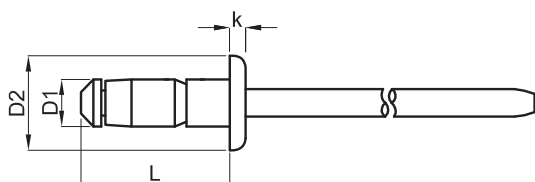
Dome Head with Grooved Mandrel Blind Rivet

Body Material

Steel

Mandrel Material

Steel



Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4,0x10,1	RC40-101-SNS	8,0	1,2	1,0-3,0	3500 N	2800 N	10.000
4,0x12,1	RC40-121-SNS			3,0-5,0			10.000
4,0x15,1	RC40-151-SNS			5,0-7,0			10.000

 = 4,1 - 4,3mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x12,1	RC48-121-SNS	9,5	1,5	1,0-3,5	4200 N	3800 N	5.000
4,8x14,6	RC48-146-SNS			3,5-6,0			5.000
4,8x17,6	RC48-176-SNS			6,0-8,5			5.000

 = 4,9 - 5,1mm

Ø 6,0mm

	PART #	D2 +/-0,2	k ≤				
6,0x14,2	RC60-142-SNS	12,0	2,0	1,5-4,0	5900 N	5400 N	2.500
6,0x17,2	RC60-172-SNS			3,0-6,0			2.500
6,0x20,2	RC60-202-SNS			6,0-9,0			2.500
6,0x23,2	RC60-232-SNS			9,0-12,0			2.500

 = 6,1 - 6,3mm

Bulb-Fast

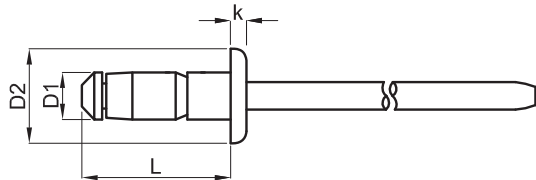
Dome Head with Grooved Mandrel

Body Material

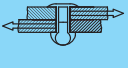
Stainless Steel

Mandrel Material

Stainless Steel

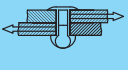


Ø 3,2mm

	PART #	D2 +/-0,2	k ≤				
3,2x8,9	RC32-089-RNR	6,5	1,1	1,0-3,0	2000 N	1600 N	10.000
3,2x11,4	RC32-114-RNR			3,0-5,0			10.000
3,2x13,6	RC32-136-RNR			5,0-7,0			10.000

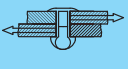
 = 3,3 - 3,4mm

Ø 4,0mm

	PART #	D2 +/-0,2	k ≤				
4x10,1	RC40-101-RNR	8,0	1,2	1,0-3,5	5200 N	4000 N	5.000
4x12,5	RC40-125-RNR			3,0-5,0			5.000
4x15,1	RC40-151-RNR			5,0-7,0			5.000

 = 4,1 - 4,3mm

Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x12,9	RC48-129-RNR	9,5	1,5	1,5-3,5	5500 N	5000 N	5.000
4,8x15,5	RC48-155-RNR			3,5-6,0			5.000
4,8x18,5	RC48-185-RNR			6,0-8,5			5.000

 = 4,9 - 5,1mm

Bold-Fast

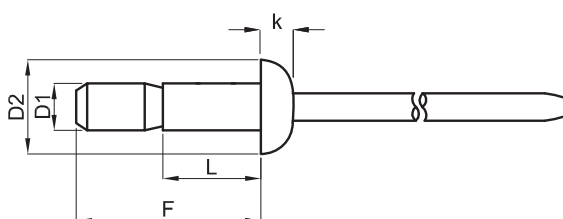
Dome Head with Grooved Mandrel

Body Material

Steel
Aluminium
Stainless Steel (A2)

Mandrel Material

Steel
Aluminium
Stainless Steel (A2)



Ø 4,8mm

D2: 10,0
k: 2,2

	STEEL PART #	ALUMINIUM PART #	STAINLESS STEEL PART #	F max.		
4,8x10,5	RT48-105-SNS	RT48-105-ANA	RT48-105-RNR	18,5	1,6-6,9	5.000
4,8x14,5	RT48-145-SNS	RT48-145-ANA	RT48-145-RNR	25	1,6-11,0	5.000

= 4,9 - 5,1mm

Ø 6,4mm

D2: 13,5
k: 3,0

	STEEL PART #	ALUMINIUM PART #	STAINLESS STEEL PART #	F max.		
6,4x14,5	RT64-145-SNS	RT64-145-ANA	RT64-145-RNR	25,5	2,9-9,5	2.500
6,4x20,5	RT64-205-SNS	RT64-205-ANA	RT64-205-RNR	36	2,0-15,9	2.500

= 6,6 - 6,9mm

	STEEL		ALUMINIUM		STAINLESS STEEL	
Ø 4,8	5800 N	5300 N	2700 N	2200 N	5800 N	4200 N
Ø 6,4	11100 N	9800 N	5800 N	4000 N	10500 N	8000 N

Bold-Fast

Countersunk Head with Grooved Mandrel

Body Material

Steel

Aluminium

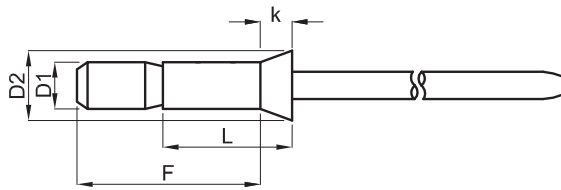
Stainless Steel (A2)

Mandrel Material

Steel

Aluminium

Stainless Steel (A2)



Ø 4,8mm

D2: 9,0
k: 2,0

	STEEL PART #	ALUMINIUM PART #	STAINLESS STEEL PART #	F max.		
4,8x13	RT48-130-SNS-C	RT48-130-ANA-C	RT48-130-RNR-C	20	3,2-8,4	5.000
4,8x17	RT48-170-SNS-C	RT48-170-ANA-C	RT48-170-RNR-C	24	7,7-12,7	5.000

= 4,9 - 5,1mm

Ø 6,4mm

D2: 10,5
k: 2,2

	STEEL PART #	ALUMINIUM PART #	STAINLESS STEEL PART #	F max.		
6,4x16,5	RT64-165-SNS-C	RT64-165-ANA-C	RT64-165-RNR-C	27	4,1-12,1	2.500
6,4x23,5	RT64-235-SNS-C	RT64-235-ANA-C	RT64-235-RNR-C	37	10,5-18,4	2.500

= 6,6 - 6,9mm

	STEEL		ALUMINIUM		STAINLESS STEEL	
Ø 4,8	5800 N	5300 N	2700 N	2200 N	5800 N	4200 N
Ø 6,4	11100 N	9800 N	5800 N	4000 N	10500 N	8000 N

Lock-Fast

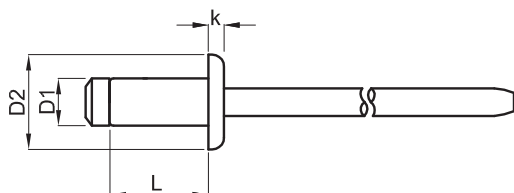
Dome Head with Grooved Mandrel

Body Material

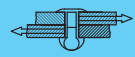
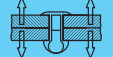
Steel

Mandrel Material

Steel

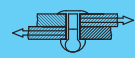
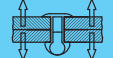


Ø 4,8mm

	PART #	D2 +/-0,2	k ≤				
4,8x9,0	RL48-090-SNS	9,8	2,2	1,5-3,5	3920 N	3500 N	5.000
4,8x11,5	RL48-115-SNS			3,5-6,0			5.000
4,8x14	RL48-140-SNS			6,0-8,5			2.500
4,8x16,5	RL48-165-SNS			8,5-11,0			2.500

 = 4,9 - 5,0mm

Ø 6,4mm

	PART #	D2 +/-0,2	k ≤				
6,4x10,5	RL64-105-SNS	13,6	3,3	2,8-4,8	16000 N	8800 N	2.500
6,4x12,5	RL64-125-SNS			4,8-6,8			2.500
6,4x14,5	RL64-145-SNS			6,8-8,8			2.500
6,4x16,5	RL64-165-SNS			8,8-10,8			2.500
6,4x18,5	RL64-185-SNS			10,8-12,8			2.500
6,4x20,5	RL64-205-SNS			12,8-14,8			2.500

 = 6,7 - 6,9mm

Lock-Fast

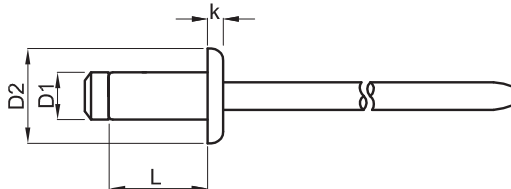
Dome Head with Grooved Mandrel

Body Material

Stainless Steel

Mandrel Material

Stainless Steel



Ø 6,4mm

	PART #	D2 +/-0,2	k ≤				
6,4x10,5	RL64-105-RNR	13,6	3,3	2,8-4,8	16000 N	8800 N	2.500
6,4x12,5	RL64-125-RNR			4,8-6,8			2.500
6,4x14,5	RL64-145-RNR			6,8-8,8			2.500
6,4x16,5	RL64-165-RNR			8,8-10,8			2.500
6,4x18,5	RL64-185-RNR			10,8-12,8			2.500
6,4x20,5	RL64-205-RNR			12,8-14,8			2.500

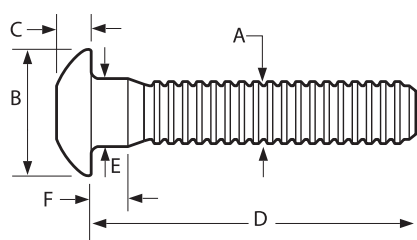
= 6,7 - 6,9mm

Max - Fast

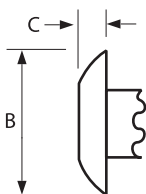
Max-Fast Structural Fastener Pin

FTMX-XX-XX-XX-X

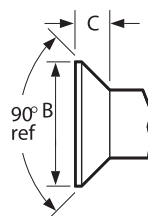
- Head Shape (B-T-C)
- Grip No. (10-20)
- Material (ST-SS-AL)
- Pin Size (06-08)
- **Max - Fast Pin**



Button Head (B)



Truss Head (T)



90° Flush Head (C)

Exp:

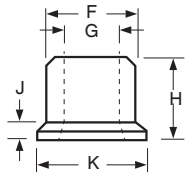
FTMX - 08 - ST - 10 - B
Size 6.4 mm, Material Steel,
Grip Range 1.6 -15.9 Brazier Head

PART

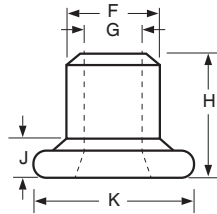
				BRAZIER HEAD			
SIZE (NO.)	GRIP RANGE	HOLE SIZE	A	B	C	EMAX	F
4.8 (06)	1.6-15.9 (10)	5.00 ~ 5.20	4.70 ~ 4.90	9.00 ~ 10.00	2.76 ~ 3.27	4.90	3.17
	7.9-31,7 (20)						7.92
6.4 (08)	1.6-15.9 (10)	6.60 ~ 6.80	6.40 ~ 6.60	12.19 ~ 13.20	3.40 ~ 3.91	6.57	3.17
	7.9-31,7 (20)						7.92
				TRUSS HEAD			
6.4 (08)	1.6-15.9 (10)	6.60 ~ 6.80	6.40 ~ 6.60	13.4 ~ 15.1	2.6 ~ 3.0	6.57	3.17
	7.9-31,7 (20)						7.92
				90 COUNTERSUNK			
4.8 (06)	2.4-15.9 (10)	5.0 ~ 5.2	4.85 ~ 5.0	8.3 ~ 9.0	1.9 ~ 2.2	4.97	3.98
	7.9-31.7 (20)						10.36
6.4 (08)	2.4-15.9 (10)	6.6 ~ 6.8	6.4 ~ 6.6	11.0 ~ 12.1	2.5 ~ 2.9	6.57	5.30
	7.9-31.7 (20)						10.71

Max - Fast

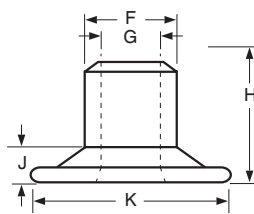
Max-Fast Structural Fastener Collar



Standart Flange (S)



Medium Flange (M)



Wide Flange (W)

FTMC-XX-XX-X

- ↳ Collar Typ (S-M-W)
- ↳ Material (ST-AL)
- ↳ Pin Size (06-08)
- ↳ **Max - Fast** Collar

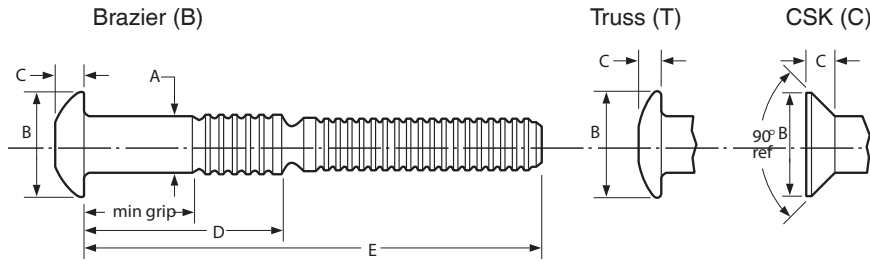
Exp:

FTMC - 08 - ST - S
Size 6.4 mm, Material Steel,
Standart Collar Type

COLLAR TYPE	COLLAR DIAMETER	F DIAMETER	G DIAMETER	H DIAMETER	J DIAMETER	K MAX. DIAMETER
STANDART	4.8	7.74-8.00	*	6.78-7.18	1.27	9.14-9.90
	6.4	10.03-10.28	6.35-6.60	9.32-9.72	1.57	12.31-13.08
MEDIUM	4.8	7.74-8.00	*	7.54-7.69	2.54	12.44-13.71
WIDE	4.8	7.74-8.00	*	7.36-8.12	2.54	16.12-19.30
	6.4	10.03-10.28	6.35-6.60	10.84-11.86	3.30	21.59-25.65

Load - Fast

Load-Fast Structural Fastener Pin



FTLP-XX-XXX-X

- Head Shape (B-T-C)
- Grip Code (2...20)
- Material (ST-SS-AL)
- Size (06-08-10-12)
- **Load - Fast** Pin

Exp:

FTLP - 08 - ST04 - B
Size 6.4 mm, Material Steel,
Grip Range 4.80-7.90, Brazier Head

SIZE (NO.)	HOLE SIZE	A	BRAZIER HEAD		TRUSS HEAD		CSK HEAD	
			B	C	B	C	B	C
4.8 (06)	5.0 ~ 5.2	4.85 ~ 5.0	9.0 ~ 10.0	2.8 ~ 3.2	10.3 ~ 12.0	1.9 ~ 2.3	8.3 ~ 9.0	1.9 ~ 2.2
6.4 (08)	6.6 ~ 6.8	6.4 ~ 6.6	12.0 ~ 13.4	3.4 ~ 3.9	13.4 ~ 15.1	2.6 ~ 3.0	11.0 ~ 12.1	2.5 ~ 2.9
8.0 (10)	8.1 ~ 8.3	8.0 ~ 8.2	15.0 ~ 16.7	4.5 ~ 5.2	17.8 ~ 20.3	3.2 ~ 3.6	13.8 ~ 15.0	3.2 ~ 3.6
9.5 (12)	9.7 ~ 9.9	9.6 ~ 9.8	18.1 ~ 20.0	5.6 ~ 6.13	21.0 ~ 23.50	3.8 ~ 4.3	16.6 ~ 18.1	3.8 ~ 4.3

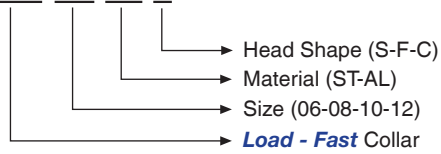
PART NO.	GRIP NO.	GRIP RANGE MM	4.8 (06)		6.4 (08)	
			D±0.8	E+3.0-0.0	D±0.8	E+3.0-0.0
FTLP-XX-XX02-X	2	1.6 ~ 4.8	10.00	35.00	12.80	38.10
FTLP-XX-XX03-X	3	3.2 ~ 6.4	11.60	36.50	13.90	39.70
FTLP-XX-XX04-X	4	4.8 ~ 7.9	13.20	38.10	15.50	41.30
FTLP-XX-XX05-X	5	6.4 ~ 9.5	14.80	39.70	17.10	42.90
FTLP-XX-XX06-X	6	7.9 ~ 11.1	16.40	41.30	18.70	44.50
FTLP-XX-XX07-X	7	9.5 ~ 12.7	18.00	42.90	20.30	46.00
FTLP-XX-XX08-X	8	11.1 ~ 14.3	19.50	44.50	21.80	47.60
FTLP-XX-XX09-X	9	12.7 ~ 15.9	21.10	46.00	23.40	49.20
FTLP-XX-XX10-X	10	14.3 ~ 17.5	22.70	47.60	25.00	50.80
FTLP-XX-XX11-X	11	15.9 ~ 19.1	24.30	49.20	26.60	52.40
FTLP-XX-XX12-X	12	17.5 ~ 20.6	25.90	50.80	28.20	54.00
FTLP-XX-XX13-X	13	19.1 ~ 22.2	27.50	52.40	29.80	55.60
FTLP-XX-XX14-X	14	20.6 ~ 23.8	29.10	54.00	31.40	57.20
FTLP-XX-XX15-X	15	22.2 ~ 25.4	30.70	55.60	33.00	58.70
FTLP-XX-XX16-X	16	23.8 ~ 27.0	32.20	57.20	34.50	60.30
FTLP-XX-XX17-X	17	25.4 ~ 28.6	33.80	58.70	36.10	61.90
FTLP-XX-XX18-X	18	27.0 ~ 30.2	35.40	60.30	37.70	63.50
FTLP-XX-XX19-X	19	28.6 ~ 31.8	37.00	61.90	39.30	65.10
FTLP-XX-XX20-X	20	30.2 ~ 33.3	38.60	63.50	40.90	66.70

PART NO.	GRIP NO.	GRIP RANGE mm	8.0 (10)		9.5 (12)	
			D±0.8	E+3.0-0,0	D±0.8	E+3.0-0,0
FTLP-XX-XX04-X	4	3.2 ~ 9.5	19.0	48.4	20.5	54.0
FTLP-XX-XX06-X	6	6.4 ~ 12.7	22.2	51.6	23.7	57.2
FTLP-XX-XX08-X	8	9.5 ~ 15.9	25.4	54.8	26.9	60.3
FTLP-XX-XX10-X	10	12.7 ~ 19.1	28.5	57.9	30.1	63.5
FTLP-XX-XX12-X	12	15.9 ~ 22.2	31.7	61.1	33.2	66.7
FTLP-XX-XX14-X	14	19.1 ~ 25.4	34.9	64.3	36.4	69.9
FTLP-XX-XX16-X	16	22.2 ~ 28.6	38.1	67.5	39.6	73.0
FTLP-XX-XX18-X	18	25.4 ~ 31.8	41.2	70.6	42.8	76.2
FTLP-XX-XX20-X	20	28.6 ~ 34.9	44.4	73.8	45.9	79.4

Load - Fast

Load-Fast Structural Fastener Collar

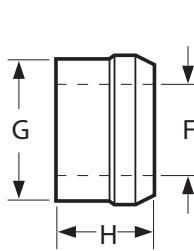
FTLC-XX-XX-X



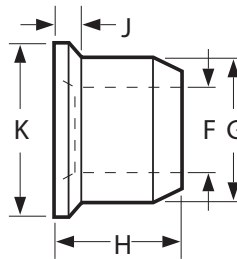
Exp:

FTLC - 08 - ST-S

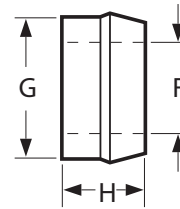
Size 6.4 mm, Material Steel, Head Form Standart



Standart (S)



Flange (F)



Low Profil (L)

TYPE	COLLAR NO.	SIZE	F	G	H	J	K
STANDART (S)	FTLC-06-XX-S	4.8 (06)	4.75~5.00	7.70~7.90	5.50~6.60		
	FTLC-08-XX-S	6.4 (08)	6.50~6.80	10.20~10.40	7.30~8.20		
	FTLC-10-XX-S	8.0 (10)	7.70~8.00	12.30~12.60	8.90~9.70		
	FTLC-12-XX-S	9.5 (12)	9.50~9.80	15.00~15.25	10.90~11.70		
FLANGE (F)	FTLC-06-XX-F	4.8 (06)	4.75~5.00	7.70~7.90	6.30~7.20	0.75~1.60	9.10~9.95
	FTLC-08-XX-F	6.4 (08)	6.50~6.80	10.20~10.40	8.85~9.65	1.15~2.00	12.30~13.10
	FTLC-10-XX-F	8.0 (10)	7.70~8.00	12.60~12.90	10.00~10.90	1.60~2.40	15.40~16.30
	FTLC-12-XX-F	9.5 (12)	9.60~9.90	15.20~15.50	12.70~13.55	1.60~3.20	18.25~19.85
LOW PROFIL (L)	FTLC-06-XX-L	4.8 (06)	4.75~5.00	7.70~7.90	3.35~4.15		
	FTLC-08-XX-L	6.4 (08)	6.50~6.80	10.20~10.40	4.30~5.15		
	FTLC-10-XX-L	8.0 (10)	7.70~8.00	12.30~12.60	5.70~6.50		
	FTLC-12-XX-L	9.5 (12)	9.50~9.80	15.00~15.30	7.50~7.90		

Load - Fast Pin & Collar Performance Data

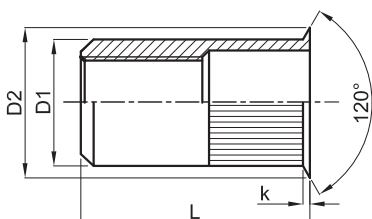
	SIZE	SHEAR STRENGTH (KGF)	TENSILE STRENGTH (KGF)
CARBON STEEL	6 (3/16")	782	748
	8 (1/4")	1.380	1.360
	10 (5/16")	2.140	2.090
	12 (3/8")	3.100	2.950
ALUMINUM 2024 PIN 6061 COLLAR	6 (3/16")	476	454
	8 (1/4")	850	816
	10 (5/16")	1.330	1.290
	12 (3/8")	1.910	1.910
STAINLESS	6 (3/16")	907	660
	8 (1/4")	1.610	1.700
	10 (5/16")	2.510	1.930
	12 (3/8")	3.610	2.770

Nut-Fast

Thin Head Knurled Rivet Nuts

Material

Low Carbon Steel 1008



M3x0,5

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-03-10120N	0,5-2,0	8,8	5,0	5,0	5,5	0,5	2.500

M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-04-10120N	0,5-2,0	10,5	6,0	6,0	7,0	0,5	1.000
TF1033-04-10140N	2,0-4,0	13,0					1.000

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-05-10125N	0,5-2,5	12,5	7,0	7,0	8,2	0,5	1.000
TF1033-05-10140N	2,0-4,0	15,0					1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-06-10130N	0,5-3,0	15,0	9,0	9,0	10,5	0,6	4.000
TF1033-06-10150N	2,5-5,0	17,0					4.000

M8x1,25

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-08-10135N	0,5-3,5	17,0	11,0	11,0	12,3	0,7	2.500
TF1033-08-10150N	3,0-5,0	19,0					2.500

M10x1,5

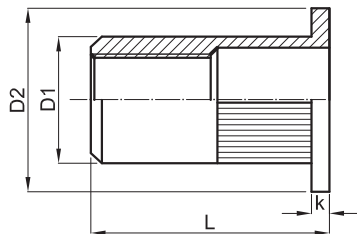
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-10-10135N	0,5-3,5	19,0	13,0	13,0	14,5	0,8	1.500
TF1033-10-10150N	3,5-5,0	23,0					

Nut-Fast

Flat Head Knurled Rivet Nuts

Material

Low Carbon Steel 1008



M3x0,5

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-03-10120N	0,5-2,0	10,5	5,0	5,0	8,0	0,7	2.500

M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-04-10120N	0,5-2,0	11,0	6,0	6,0	9,0	0,8	1.500
TF1133-04-10140N	2,0-4,0	13,0					1.500

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-05-10125N	0,5-2,5	13,0	7,0	7,0	10,0	1,0	1.000
TF1133-05-10140N	2,0-4,0	15,5					1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-06-10130N	0,5-3,0	15,0	9,0	9,0	13,0	1,5	3.000
TF1133-06-10150N	2,5-5,0	17,5					3.000

M8x1,25

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-08-10135N	0,5-3,5	17,5	11,0	11,0	16,0	1,5	2.000
TF1133-08-10150N	3,0-5,0	19,5					2.000

M10x1,50

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-10-10135N	0,5-3,5	22,0	13,0	13,0	19,0	2,0	1.000
TF1133-10-10150N	3,0-5,0	23,2			19,0	2,0	1.000

M12x1,75

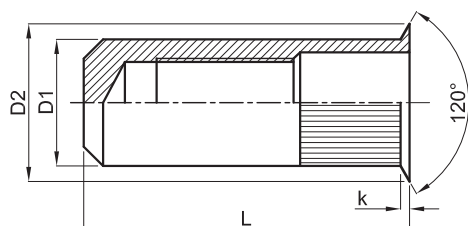
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-12-10140N	1,0-4,0	25,0	16,0	16,0	22,0	2,0	750

Nut-Fast

Thin Head Knurled Rivet Nuts Closed

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-04-10120N-C	0,5-2,0	16,5	6,0	6,0	6,8	0,5	1.000

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-05-10125N-C	0,5-2,5	18,5	7,0	7,0	8,0	0,5	1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-06-10130N-C	0,5-3,0	23,0	9,0	9,0	10,0	0,6	500

M8x1,25

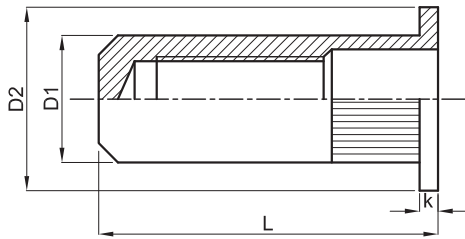
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-08-10135N-C	0,7-3,5	26,5	11,0	11,0	12,3	0,7	250

Nut-Fast

Flat Head Knurled Rivet Nuts Closed

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-04-10120N-C	0,5-2,0	17,9	6,0	6,0	9,0	0,8	1.000

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-05-10125N-C	0,5-2,5	19,5	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-06-10130N-C	0,5-3,0	23,5	9,0	9,0	13,0	1,5	500

M8x1,25

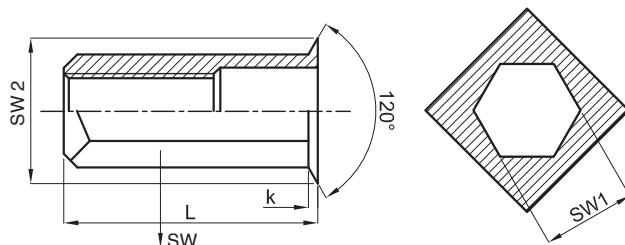
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-08-10135N-C	0,7-3,5	28,0	11,0	11,0	15,0	1,5	250

Nut-Fast

Thin Head Hexagonal Rivet Nuts

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1044-04-10120N	0,5-2,0	11,0	6,0	6,0	7,0	0,5	1.000

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1044-05-10125N	0,5-2,5	14,0	7,0	7,0	8,0	0,5	1.000
TF1044-05-10150N	2,0-5,0	16,0	7,0	7,0	8,0	0,5	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1044-06-10130N	0,5-3,0	16,0	9,0	9,0	10,0	0,6	3.000
TF1044-06-10150N	2,0-5,0	18,0	9,0	9,0	10,0	0,6	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1044-08-10135N	0,5-3,5	18,0	11,0	11,0	12,0	0,7	2.000
TF1044-08-10150N	3,0-5,0	20,0	11,0	11,0	12,0	0,7	2.000

M10x1,5

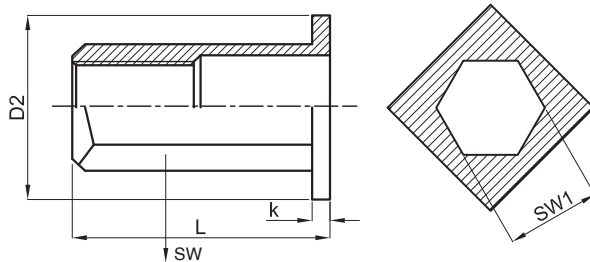
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1044-10-10135N	0,5-3,5	21,0	13,0	13,0	15,0	0,9	1.000
TF1044-10-10160N	3,0-6,0	23,0	13,0	13,0	15,0	0,9	1.000

Nut-Fast

Flat Head Hexagonal Rivet Nuts

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-04-10120N	0,5-2,0	11,0	6,0	6,0	9,0	0,8	1.500

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-05-10125N	0,5-2,5	14,0	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-06-10130N	0,5-3,0	16,0	9,0	9,0	13,0	1,5	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-08-10135N	0,5-3,5	18,0	11,0	11,0	16,0	1,5	2.000

M10x1,5

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-10-10135N	0,5-3,5	21,0	13,0	13,0	17,0	1,7	1.000

M12x1,75

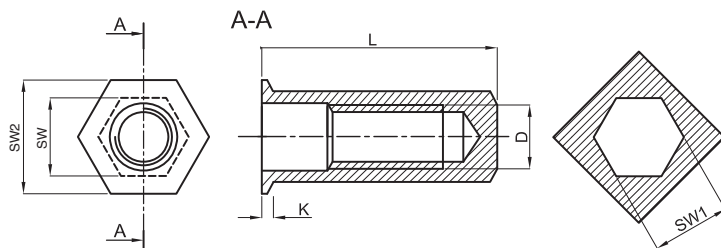
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1144-12-10140N	0,5-4,0	24,0	15,0	15,0	19,0	1,9	1.000

Nut-Fast

Thin Head Hexagonal Rivet Nuts Closed

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	SW2 ±0,3	k ±0,2	
TF1044-04-10120-C	0,5-2,0	16,5	6,0	6,0	7,0	0,5	1.000

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	SW2 ±0,3	k ±0,2	
TF1044-05-10125-C	0,5-2,5	15,5	7,0	7,0	8,0	0,5	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	SW2 ±0,3	k ±0,2	
TF1044-06-10130-C	0,5-3,0	22,8	9,0	9,0	10,0	0,6	1.000

M8x1,25

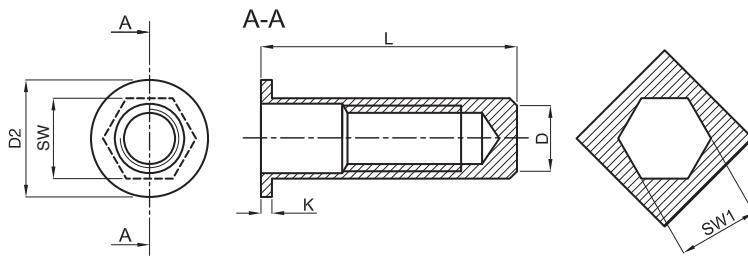
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	SW2 ±0,3	k ±0,2	
TF1044-08-10135-C	0,5-3,5	26,5	11,0	11,0	12,0	0,7	1.000

Nut-Fast

Flat Head Hexagonal Rivet Nuts Closed

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	ØD2 ±0,3	k ±0,2	
TF1144-04-10120-C	0,5-2,0	17,3	6,0	6,0	9,0	0,8	1.000

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	ØD2 ±0,3	k ±0,2	
TF1144-05-10125-C	0,5-2,5	19,5	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	ØD2 ±0,3	k ±0,2	
TF1144-06-10130-C	0,5-3,0	24,3	9,0	9,0	13,0	1,5	500

M8x1,25

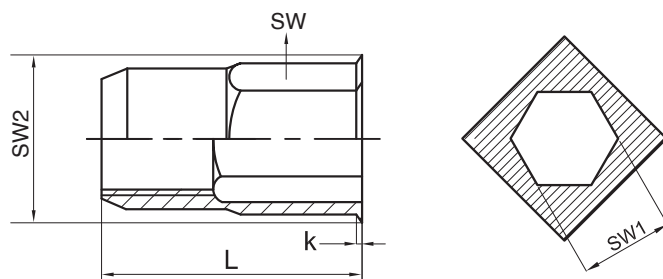
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,3 -0,2	ØD2 ±0,3	k ±0,2	
TF1144-08-10135C	0,5-3,5	28,0	11,0	11,0	15,0	1,5	250

Nut-Fast

Thin Head Half Hexagonal Rivet Nuts

Material

Low Carbon Steel 1008



M3x0,5

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-03-10120N	0,5-2,0	8,5	5,0	5,0	6,0	0,4	2.500

M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-04-10120N	0,5-2,0	11,0	6,0	6,0	7,0	0,5	1.000

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-05-10125N	0,5-2,5	14,0	7,0	7,0	8,0	0,5	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-06-10130N	0,5-3,0	16,0	9,0	9,0	10,0	0,6	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-08-10135N	0,5-3,5	18,0	11,0	11,0	12,0	0,7	2.000

M10x1,5

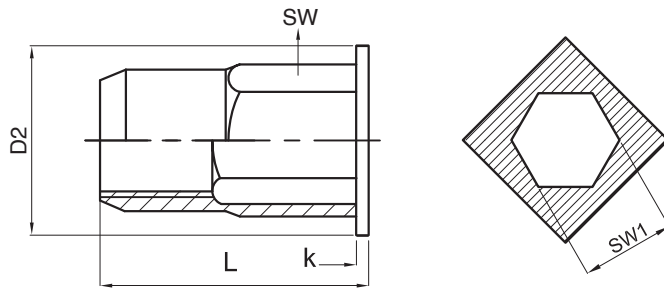
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-10-10135N	0,5-3,5	21,0	13,0	13,0	15,0	0,9	1.000

Nut-Fast

Flat Head Half Hexagonal Rivet Nuts

Material

Low Carbon Steel 1008



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-04-10120N	0,5-2,0	11,0	6,0	6,0	9,0	0,8	1.000

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-05-10125N	0,5-2,5	14,0	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-06-10130N	0,5-3,0	16,0	9,0	9,0	13,0	1,5	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-08-10135N	0,5-3,5	18,0	11,0	11,0	16,0	1,5	2.000

M10x1,5

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-10-10135N	0,5-3,5	21,0	13,0	13,0	17,0	1,7	1.000

M12x1,75

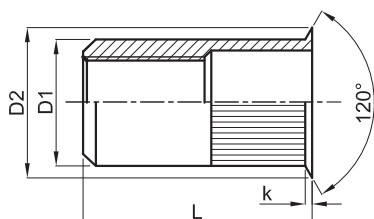
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-12-10140N	0,5-4,0	24,0	15,0	15,0	19,0	1,9	1.000

Nut-Fast

Thin Head Knurled Rivet Nuts

Material

Stainless Steel



M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-04-30120N	0,5-2,0	10,5	6,0	6,0	7,0	0,5	2.000

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-05-30125N	0,5-2,5	12,5	7,0	7,0	8,2	0,5	1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-06-30130N	0,5-3,0	15,0	9,0	9,0	10,5	0,6	500

M8x1,25

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-08-30135N	0,5-3,5	17,0	11,0	11,0	12,3	0,7	500

M10x1,5

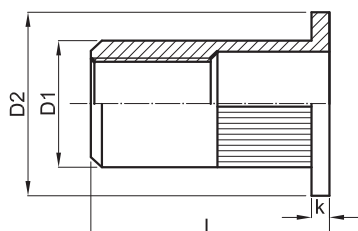
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1033-10-30135N	0,5-3,5	19,0	13,0	13,0	14,5	0,8	250

Nut-Fast

Flat Head Knurled Rivet Nuts

Material

Stainless Steel



M4x0,7

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-04-30120N	0,5-2,0	12	6,0	6,0	9,0	1,0	1.000

M5x0,8

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-05-30125N	0,5-2,5	13,0	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-06-30130N	0,5-3,0	15,50	9,0	9,0	12,0	1,5	500

M8x1,25

PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-08-30135N	0,5-3,5	17,50	11,0	11,0	15,0	1,5	250

M10x1,5

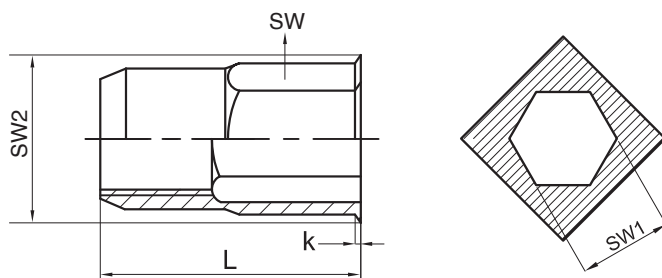
PART #		L ±0,3	 -0,0 +0,1	ØD1 -0,3	ØD2 ±0,3	k ±0,2	
TF1133-10-30135N	0,5-3,5	21,0	13,0	13,0	17,0	2,0	250

Nut-Fast

Thin Head Half Hexagonal Rivet Nuts

Material

Stainless Steel



M3x0,5

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-03-30120N	0,5-2,0	8,5	5,0	5,0	6,0	0,4	1.500

M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-04-30120N	0,5-2,0	11,0	6,0	6,0	7,0	0,5	1.500

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-05-30125N	0,5-2,5	14,0	7,0	7,0	8,0	0,5	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-06-30130N	3	16,0	9,0	9,0	10,0	0,6	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-08-30135N	0,5-3,5	18,0	11,0	11,0	12,0	0,7	2.000

M10x1,5

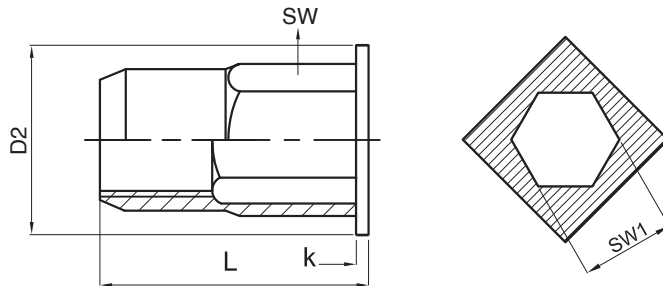
PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	SW2 ±0,3	k ±0,2	
TF1055-10-30135N	0,5-3,5	21,0	13,0	13,0	15,0	0,9	1.000

Nut-Fast

Flat Head Half Hexagonal Rivet Nuts

Material

Stainless Steel



M4x0,7

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-04-30120N	0,5-2,0	11,0	6,0	6,0	9,0	0,8	1.500

M5x0,8

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-05-30125N	0,5-2,5	14,0	7,0	7,0	10,0	1,0	1.000

M6x1,0

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-06-30130N	0,5-3,0	16,0	9,0	9,0	13,0	1,5	3.000

M8x1,25

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-08-30135N	0,5-3,5	18,0	11,0	11,0	16,0	1,5	2.000

M10x1,5

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-10-30135N	0,5-3,5	21,0	13,0	13,0	17,0	1,7	1.000

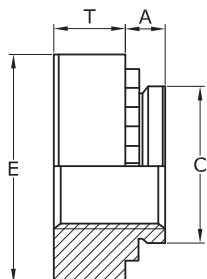
M12x1,75

PART #		L ±0,3	SW1 +0,1 -0,0	SW -0,2	ØD2 ±0,3	k ±0,2	
TF1155-12-30140N	0,5-4,0	24,0	15,0	15,0	19,0	1,9	1.000

Self Clinching Nuts

NS - M3 - 1

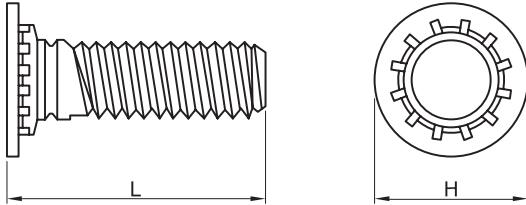
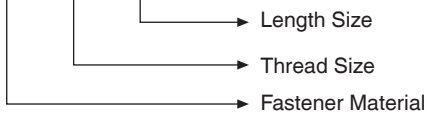
Shank Code
Thread Size
Fastener Material



Thread Size	FASTENER MATERIAL		Shank Code	A	Min. Sheet Thickness	C Max.	E ±0,25	T ±0,25	Hole Size +0,08
	STEEL	STAINLESS STEEL							
M2x0,4	NS	NCLS	0	0,77	0,8-1	4,22	6,30	1,50	4,25
			1	0,96	1,00				
			2	1,36	1,40				
M2,5x0,45	NS	NCLS	0	0,77	0,8-1	4,22	6,30	1,50	4,25
			1	0,96	1,00				
			2	1,36	1,40				
M3x0,5	NS	NCLS	0	0,77	0,8-1	4,22	6,30	1,50	4,25
			1	0,96	1,00				
			2	1,36	1,40				
M3,5x0,6	NS	NCLS	0	0,77	0,8-1	4,73	7,10	1,50	4,75
			1	0,96	1,00				
			2	1,36	1,40				
M4x0,7	NS	NCLS	0	0,77	0,8-1	5,38	7,90	2,00	5,40
			1	0,96	1,00				
			2	1,36	1,40				
M5x0,8	NS	NCLS	0	0,77	0,8-1	6,38	8,70	2,00	6,40
			1	0,96	1,00				
			2	1,36	1,40				
M6x1,0	NS	NCLS	0	1,15	1,20	8,72	11,05	4,08	8,75
			1	1,38	1,40				
			2	2,21	2,30				
M8x1,25	NS	NCLS	1	2,22	1,40	10,47	12,65	5,45	10,50
			2	1,36	2,30				
M10x1,5	NS	NCLS	1	2,22	2,30	13,95	17,35	7,50	14,00
			2	3,00	3,20				

Self Clinching Studs

SFH - M3 - 10

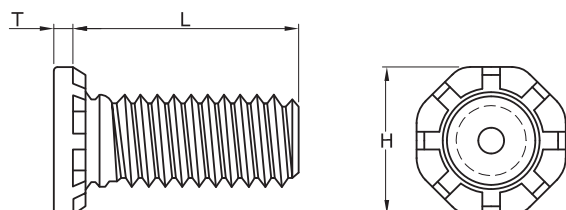


Thread Size	FASTENER MATERIAL		LENGTH CODE (L) $\pm 0,40$										Min. Sheet Thickness	H $\pm 0,40$	Hole Size $+0,08$
	STEEL	STAINLESS STEEL													
M2,5x0,45	SFH	SFHS	6	8	10	12	15	18					1,00	4,10	2,50
M3x0,5	SFH	SFHS	6	8	10	12	15	18	20	25			1,00	4,60	3,0
M3,5x0,6	SFH	SFHS	6	8	10	12	15	18	20	25	30		1,00	5,30	3,50
M4x0,7	SFH	SFHS	6	8	10	12	15	18	20	25	30	35	1,00	5,90	4,00
M5x0,8	SFH	SFHS		8	10	12	15	18	20	25	30	35	1,00	6,50	5,00
M6x1,0	SFH	SFHS			10	12	15	18	20	25	30	35	1,60	8,20	6,00
M8x1,25	SFH	SFHS				12	15	18	20	25	30	35	2,40	9,60	8,00

High-Strength Self Clinching Studs

SHFH - M8 - 20

Length Size
Thread Size
Fastener Material

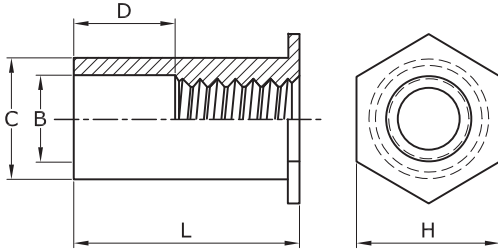


Thread Size	FASTENER MATERIAL		LENGTH CODE (L) ±0,40								Min. Sheet Thickness	H ±0,3	T Max.	Hole Size +0,13
	STEEL	STAINLESS STEEL												
M5x0,8	SHFH	SHFHS	15	20	25	30	35	40	45	50	1,30	7,80	1,15	5,00
M6x1,0	SHFH	SHFHS	15	20	25	30	35	40	45	50	1,50	9,40	1,25	6,00
M8x1,25	SHFH	SHFHS	15	20	25	30	35	40	45	50	2,00	12,50	1,75	8,00
M10x1,5	SHFH	SHFHS	15	20	25	30	35	40	45	50	2,30	15,70	2,30	10,00

Thru-Hole Threaded Standoffs

FSO - 35M3 - 10

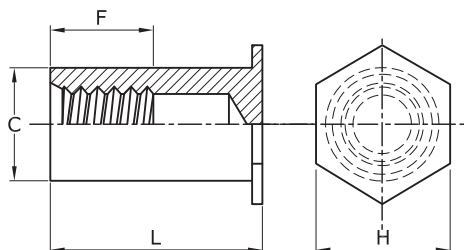
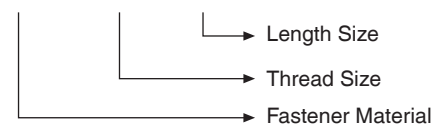
Length Size
Thread Size
Fastener Material



Thread Size	FASTENER MATERIAL		TREAD CODE	LENGTH CODE (L) ±0,40				Min. Sheet Thickness	C ±0,13	B ±0,13	H NOM.	Hole Size +0,08
	STEEL	STAINLESS STEEL										
M3x0,5	FSO	FSOS	M3	6	10	16	22	1,00	4,19	3,20	4,80	4,20
			35M3	8	12	18	25	1,00	5,38	3,20	6,40	5,40
M3,5x0,6	FSO	FSOS	M3,5	6	10	16	22	1,00	5,38	3,90	6,40	5,40
				8	12	18	25					
					14	20						
M4x0,7	FSO	FSOS	M4	6	10	16	22	1,30	7,10	4,80	7,90	7,20
				8	12	18	25					
					14	20						
M5x0,8	FSO	FSOS	M5	6	10	16	22	1,30	7,10	5,35	7,90	7,20
				8	12	18	25					
					14	20						
D DIMENSION ± 0,25					4	8	11					

Blind Hole Threaded Standoffs

FBSO - 35M3 - 10



Thread Size	FASTENER MATERIAL		TREAD CODE	LENGTH CODE (L) ±0,40					Min. Sheet Thickness	C ±0,13	H NOM.	Hole Size +0,08
	STEEL	STAINLESS STEEL										
M3x0,5	FBSO	FBSOS	M3	6	8 10	11	14 16	18 20 22 25 32	1,00	4,19	4,80	4,20
			35M3					25 32				
M3,5x0,6	FBSO	FBSOS	M3,5	6	8 10	11	14 16	18 20 22 25 32	1,00	5,38	6,40	5,40
M4x0,7	FBSO	FBSOS	M4	6	8 10	11	14 16	18 20 22 25 32	1,30	7,10	7,90	7,20
M5x0,8	FBSO	FBSOS	M5	6	8 10	11	14 16	18 20 22 25 32	1,30	7,10	7,90	7,20
F DIMENSION MIN				3,2	4	5	6,5	9,5				

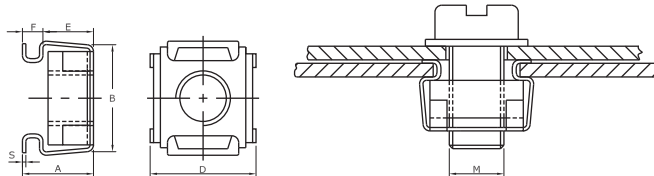
Cage-Fast Nut

Clip (Cage) Material

High Carbon Steel

Square Nut Material

Low Carbon Steel



M4x0,7

PART #	F	A +/-0,50	B +/-0,50	S +/-0,04	E +/-0,2	Hole Size +/-0,20
FTCN-04-1T	0,70-1,60	8,80	12,50	0,40	6,20	9.5x9.5
FTCN-04-2T	1,70-2,60	9,00				

M5x0,8

PART #	F	A +/-0,50	B +/-0,50	S +/-0,04	E +/-0,2	Hole Size +/-0,20
FTCN-05-1T	0,70-1,60	8,80	12,50	0,40	6,20	9.5x9.5
FTCN-05-2T	1,70-2,60	9,00				
FTCN-05-3T	2,70-3,30	9,70				

M6x1,0

PART #	F	A +/-0,50	B +/-0,50	S +/-0,04	E +/-0,2	Hole Size +/-0,20
FTCN-06-1T	0,70-1,60	8,80	12,50	0,40	6,20	9.5x9.5
FTCN-06-2T	1,70-2,60	9,00				
FTCN-06-3T	2,70-3,30	9,70				

M8x1,25

PART #	F	A +/-0,50	B +/-0,50	S +/-0,04	E +/-0,2	Hole Size +/-0,20
FTCN-08-2T	1,70-2,60	10,40	15,50	0,5	7,90	12,30x12,30
FTCN-08-3T	2,70-3,30	11,90				

M10x1,5

PART #	F	A +/-0,50	B +/-0,50	S +/-0,04	E +/-0,2	Hole Size +/-0,20
FTCN-10-2T	1,70-2,60	10,40	15,50	0,5	7,90	12,30x12,30
FTCN-10-3T	2,70-3,30	11,90				

Weld-Fast

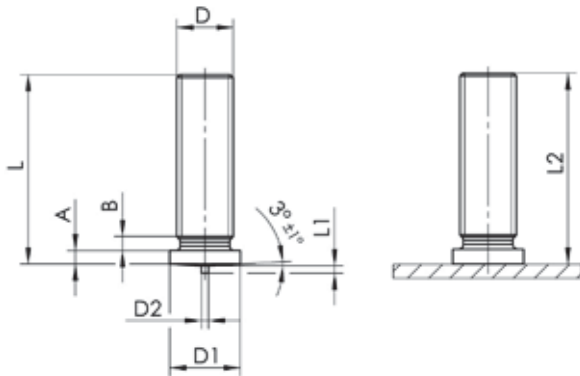
Weld-Fast Threaded Capacitor Discharge Welding Studs, Type PT

Material

Steel

Surface

Copper-Plated



Threaded stud PT
DIN EN ISO 13918

D	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	B max.	L2	α ± 1 °
M3	see dimensions	4,50	,60	0,55	1,4 -0,7	1,5	~ L - 0,3	3 °
M4		5,50	,65					
M5		6,5	0,75	0,80	1,4 -0,6	2		
M6		7,5						
M8		9,0						

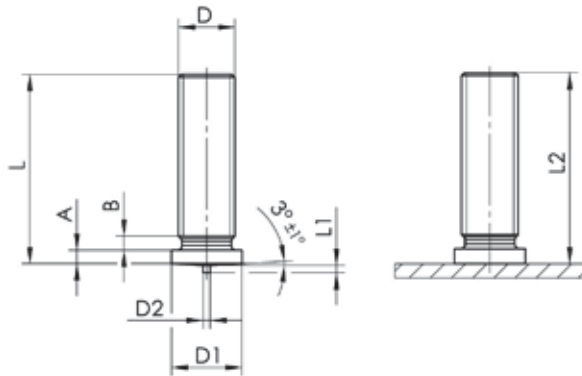
LENGHT	ITEM NO	ITEM NO	ITEM NO	ITEM NO	ITEM NO
	M3	M4	M5	M6	M8
6	WSCO-030-0060	WSCO-040-0060			
8	WSCO-030-0080	WSCO-040-0080	WSCO-050-0080	WSCO-060-0080	
10	WSCO-030-0100	WSCO-040-0100	WSCO-050-0100	WSCO-060-0100	WSCO-080-0100
12	WSCO-030-0120	WSCO-040-0120	WSCO-050-0120	WSCO-060-0120	WSCO-080-0120
15	WSCO-030-0150	WSCO-040-0150	WSCO-050-0150	WSCO-060-0150	WSCO-080-0150
16	WSCO-030-0160	WSCO-040-0160	WSCO-050-0160	WSCO-060-0160	WSCO-080-0160
20	WSCO-030-0200	WSCO-040-0200	WSCO-050-0200	WSCO-060-0200	WSCO-080-0200
25	WSCO-030-0250	WSCO-040-0250	WSCO-050-0250	WSCO-060-0250	WSCO-080-0250
30	WSCO-030-0300	WSCO-040-0300	WSCO-050-0300	WSCO-060-0300	WSCO-080-0300
35		WSCO-040-0350	WSCO-050-0350	WSCO-060-0350	WSCO-080-0350
40		WSCO-040-0400	WSCO-050-0400	WSCO-060-0400	WSCO-080-0400
45			WSCO-050-0450	WSCO-060-0450	WSCO-080-0450
50				WSCO-060-0500	WSCO-080-0500

Weld-Fast

Weld-Fast Threaded Capacitor Discharge Welding Studs, Type PT

Material

Stainless Steel (A2)



Threaded stud PT
DIN EN ISO 13918

D	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	B max.	L2	α ± 1 °
M3	see dimensions	4,50	,60	0,55	1,4 -0,7	1,5	~ L - 0,3	3 °
M4		5,50	,65					
M5		6,5	0,75	0,80	1,4 -0,6	2		
M6		7,5						
M8		9,0						

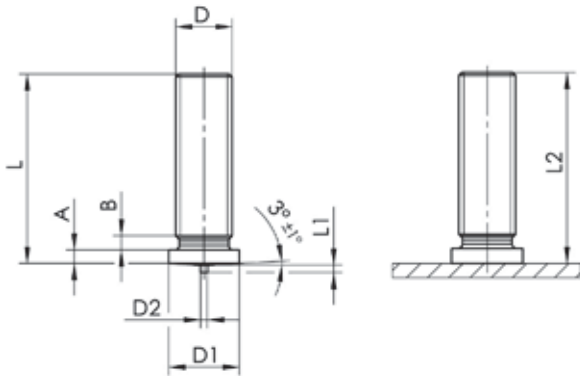
LENGHT	ITEM NO	ITEM NO	ITEM NO	ITEM NO	ITEM NO
	M3	M4	M5	M6	M8
6	WSSO-030-0060	WSSO-040-0060			
8	WSSO-030-0080	WSSO-040-0080	WSSO-050-0080	WSSO-060-0080	
10	WSSO-030-0100	WSSO-040-0100	WSSO-050-0100	WSSO-060-0100	WSSO-080-0100
12	WSSO-030-0120	WSSO-040-0120	WSSO-050-0120	WSSO-060-0120	WSSO-080-0120
15	WSSO-030-0150	WSSO-040-0150	WSSO-050-0150	WSSO-060-0150	WSSO-080-0150
16	WSSO-030-0160	WSSO-040-0160	WSSO-050-0160	WSSO-060-0160	WSSO-080-0160
20	WSSO-030-0200	WSSO-040-0200	WSSO-050-0200	WSSO-060-0200	WSSO-080-0200
25	WSSO-030-0250	WSSO-040-0250	WSSO-050-0250	WSSO-060-0250	WSSO-080-0250
30	WSSO-030-0300	WSSO-040-0300	WSSO-050-0300	WSSO-060-0300	WSSO-080-0300
35		WSSO-040-0350	WSSO-050-0350	WSSO-060-0350	WSSO-080-0350
40		WSSO-040-0400	WSSO-050-0400	WSSO-060-0400	WSSO-080-0400
45			WSSO-050-0450	WSSO-060-0450	WSSO-080-0450
50				WSSO-060-0500	WSSO-080-0500

Weld-Fast

Weld-Fast Threaded Capacitor Discharge Welding Studs, Type PT

Material

Aluminium (Almg3)



Threaded stud PT
DIN EN ISO 13918

D	L + 0,6	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	A	B max.	L2	α ± 1 °
M3	see dimensions	4,50	,60	0,55	1,4 -0,7	1,5	~ L - 0,3	3 °
M4		5,50	,65					
M5		6,5	0,75	0,80	1,4 -0,6	2		
M6		7,5						
M8		9,0						

LENGHT	ITEM NO	ITEM NO	ITEM NO	ITEM NO	ITEM NO
	M3	M4	M5	M6	M8
6	WSAO-030-0060	WSAO-040-0060			
8	WSAO-030-0080	WSAO-040-0080	WSAO-050-0080	WSAO-060-0080	
10	WSAO-030-0100	WSAO-040-0100	WSAO-050-0100	WSAO-060-0100	WSAO-080-0100
12	WSAO-030-0120	WSAO-040-0120	WSAO-050-0120	WSAO-060-0120	WSAO-080-0120
15	WSAO-030-0150	WSAO-040-0150	WSAO-050-0150	WSAO-060-0150	WSAO-080-0150
16	WSAO-030-0160	WSAO-040-0160	WSAO-050-0160	WSAO-060-0160	WSAO-080-0160
20	WSAO-030-0200	WSAO-040-0200	WSAO-050-0200	WSAO-060-0200	WSAO-080-0200
25	WSAO-030-0250	WSAO-040-0250	WSAO-050-0250	WSAO-060-0250	WSAO-080-0250
30	WSAO-030-0300	WSAO-040-0300	WSAO-050-0300	WSAO-060-0300	WSAO-080-0300
35		WSAO-040-0350	WSAO-050-0350	WSAO-060-0350	WSAO-080-0350
40		WSAO-040-0400	WSAO-050-0400	WSAO-060-0400	WSAO-080-0400
45			WSAO-050-0450	WSAO-060-0450	WSAO-080-0450
50				WSAO-060-0500	WSAO-080-0500

Weld-Fast

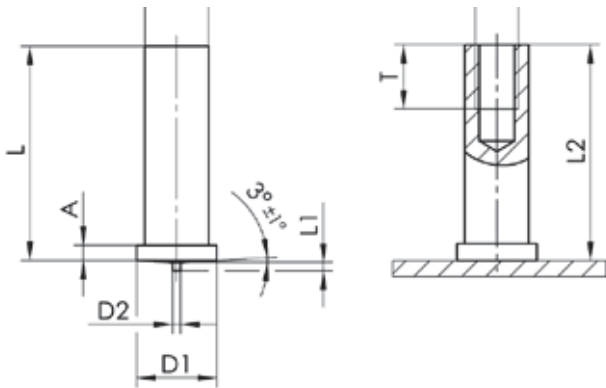
Weld-Fast Threaded Capacitor Discharge Welding Tapped Studs, Type IT

Material

Steel

Surface

Copper-Plated



Tapped stud IT
DIN EN ISO 13918

D ± 0,1	L + 0,3	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	AD	3T + 0,5	L2 ~ L - 0,3	α ± 1°
ø5	see dimensions	6,5	0,75	0,80	1,4 -0,7	M3 5		3°
ø6		7,5M		0,85	1,4 -0,6	46		
ø7,1		9				M5 7,5		

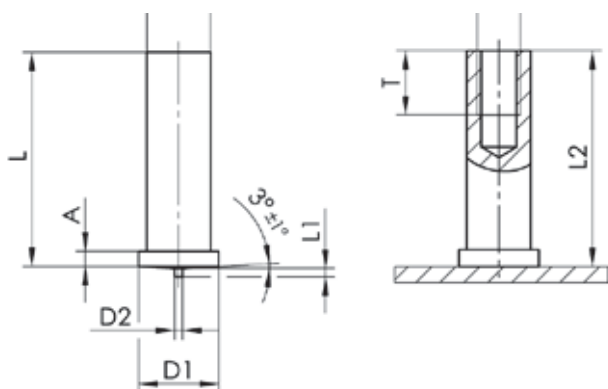
LENGHT	ITEM NO	ITEM NO	ITEM NO
	M3XQ5mm	M4xQ6mm	M5XQ7,1mm
6	WSCI-030-0060		
7	WSCI-030-0070		
8	WSCI-030-0080	WSCI-040-0080	
10	WSCI-030-0100	WSCI-040-0100	WSCI-050-0100
12	WSCI-030-0120	WSCI-040-0120	WSCI-050-0120
15	WSCI-030-0150	WSCI-040-0150	WSCI-050-0150
16	WSCI-030-0160	WSCI-040-0160	WSCI-050-0160
20	WSCI-030-0200	WSCI-040-0200	WSCI-050-0200
25		WSCI-040-0250	WSCI-050-0250
30		WSCI-040-0300	WSCI-050-0300
35			
40			
45			
50			

Weld-Fast

Weld-Fast Threaded Capacitor Discharge Welding Tapped Studs, Type IT

Material

Stainless Steel (A2)



Tapped stud IT
DIN EN ISO 13918

D ± 0,1	L + 0,3	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	AD	3T + 0,5	L2 ~ L - 0,3	α ± 1°
ø5	see dimensions	6,5	0,75	0,80	1,4 -0,7	M3	5	3°
ø6		7,5M		0,85	1,4 -0,6	46		
ø7,1		9				M5	7,5	

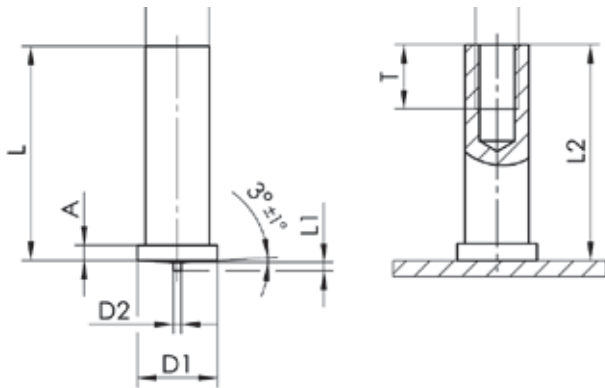
LENGHT	ITEM NO	ITEM NO	ITEM NO
	M3XQ5mm	M4xQ6mm	M5XQ7,1mm
6	WSSI-030-0060		
7	WSSI-030-0070		
8	WSSI-030-0080	WSSI-040-0080	
10	WSSI-030-0100	WSSI-040-0100	WSSI-050-0100
12	WSSI-030-0120	WSSI-040-0120	WSSI-050-0120
15	WSSI-030-0150	WSSI-040-0150	WSSI-050-0150
16	WSSI-030-0160	WSSI-040-0160	WSSI-050-0160
20	WSSI-030-0200	WSSI-040-0200	WSSI-050-0200
25	WSSI-030-0250	WSSI-040-0250	WSSI-050-0250
30	WSSI-030-0300	WSSI-040-0300	WSSI-050-0300
35		WSSI-040-0350	WSSI-050-0350
40		WSSI-040-0400	WSSI-050-0400
45			
50			

Weld-Fast

Weld-Fast Threaded Capacitor Discharge Welding Tapped Studs, Type IT

Material

Aluminium (Almg3)



Tapped stud IT
DIN EN ISO 13918

D ± 0,1	L + 0,3	D1 ± 0,2	D2 ± 0,08	L1 ± 0,05	AD	3T + 0,5	L2 ± 1°	α ± 1°
ø5	see dimensions	6,5	0,75	0,80	1,4 -0,7	M3 5	~L - 0,3	3°
ø6		7,5M		0,85	1,4 -0,6	46		
ø7,1		9				M5 7,5		

LENGHT	ITEM NO	ITEM NO	ITEM NO
	M3XQ5mm	M4xQ6mm	M5XQ7,1mm
6	WSAI-030-0060		
7	WSAI-030-0070		
8	WSAI-030-0080	WSAI-040-0080	
10	WSAI-030-0100	WSAI-040-0100	WSAI-050-0100
12	WSAI-030-0120	WSAI-040-0120	WSAI-050-0120
15	WSAI-030-0150	WSAI-040-0150	WSAI-050-0150
16	WSAI-030-0160		
20	WSAI-030-0200	WSAI-040-0200	WSAI-050-0200
25	WSAI-030-0250	WSAI-040-0250	WSAI-050-0250
30	WSAI-030-0300	WSAI-040-0300	WSAI-050-0300
35		WSAI-040-0350	WSAI-050-0350
40			
45			
50			





Industrial Type Condensers



Cold Room Evaporators



Axial Fans



Air Conditioning Plant



Fresh Air Power Plants



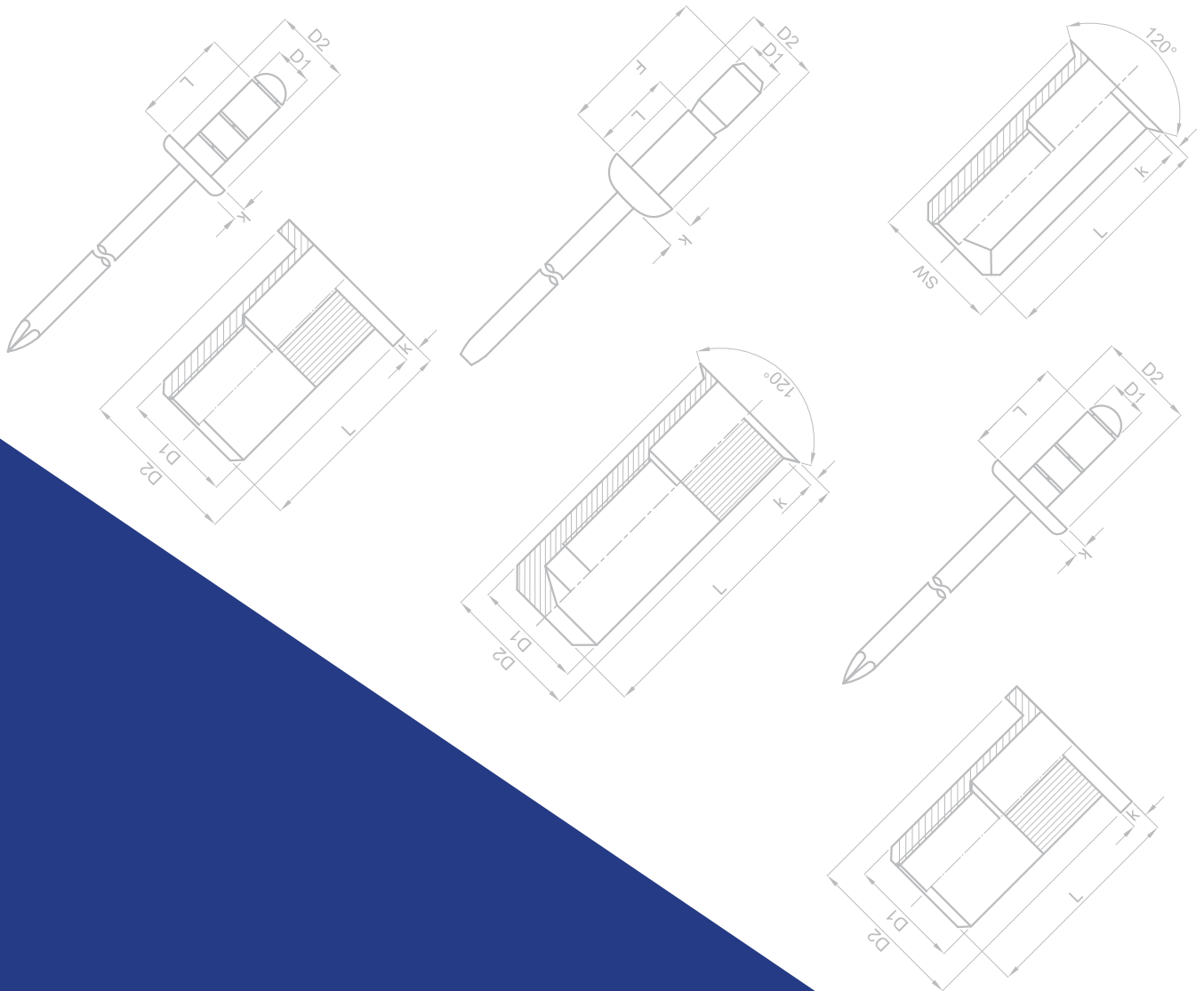
White Goods Frames



Automotive Chassis



Seat Frame



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