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Contact Us

Kantilal & Brothers

Manibhuvan,Golwadnaka,

Laheripura New Road,

Vadodara,(Gujarat) India-390001

(M)-8460616032,9601299511

(E)-kantilalnbrothers@gmail.com

(W)-www.kbfasteners.in

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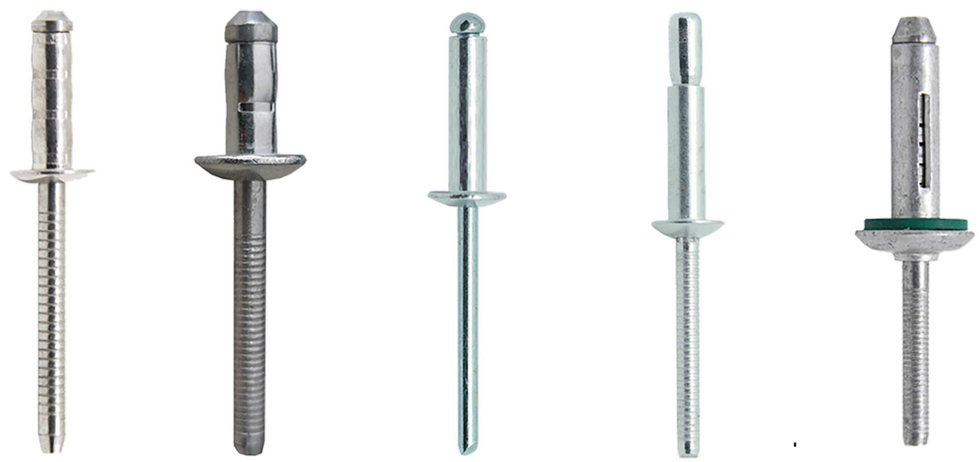

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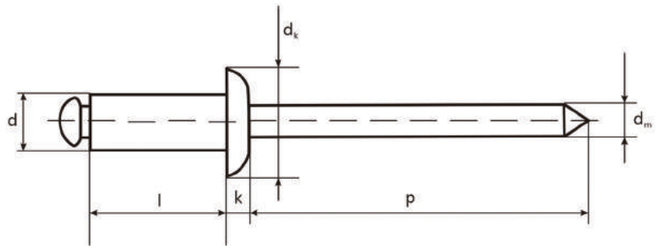
Open End Blind Rivets



The most common type of blind rivet, which are a good solution to fasten components with a properly prepared hole and well identified material thickness. They are offered in a variety of materials which provide specific benefits such as joint strength, material compatibility, corrosion resistance and cost.

Applications

- Building
- Construction
- Automotive
- Furniture
- Leather Production

Materials

- Aluminum/Steel
- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum/Aluminum
- Aluminum/Stainless Steel

d	l	d_k	k	d_m	p_{min}	Tensile	Shear
$2.4^{+0.08}_{-0.1}$	3 4 6 8 10 12 16	Dome $5.0^{+0.0}_{-0.7}$	Dome $0.55^{+0.15}_{-0.15}$	$1.55^{+0.05}_{-0.05}$	25	ALU/ST 350N ST/ST 700N	300N 500N
$3.2^{+0.08}_{-0.1}$	4 6 8 10 12 14 16 18 20 25	Dome $6.5^{+0.0}_{-0.7}$ CSK $6.0^{+0.0}_{-0.4}$ Flange $9.4^{+0.4}_{-0.4}$	Dome $0.8^{+0.2}_{-0.2}$ CSK $0.9^{+0.05}_{-0.05}$ Flange $1.8^{+0.2}_{-0.2}$	$1.8^{+0.05}_{-0.05}$	27	ALU/ST 700N ST/ST 1200N SS/SS 2500N	500N 1100N 1900N
$4.0^{+0.08}_{-0.1}$	6 8 10 12 14 16 18 20 25	Dome $8.0^{+0.0}_{-1.0}$ CSK $7.5^{+0.0}_{-0.5}$ Flange $12.0^{+0.5}_{-0.5}$	Dome $1.0^{+0.3}_{-0.3}$ CSK $1.0^{+0.05}_{-0.05}$ Flange $2.2^{+0.0}_{-0.4}$	$2.1^{+0.1}_{-0.1}$	27	ALU/ST 1200N ST/ST 2200N SS/SS 3500N	850N 1700N 2700N
$4.8^{+0.08}_{-0.1}$	8 10 12 14 16 18 20 22 25 28 30	Dome $9.5^{+0.0}_{-1.0}$ CSK $9.0^{+0.0}_{-0.5}$ Flange $15^{+1.0}_{-1.0}$	Dome $1.1^{+0.3}_{-0.3}$ CSK $1.1^{+0.1}_{-0.1}$ Flange $2.3^{+0.2}_{-0.2}$	$2.7^{+0.1}_{-0.1}$	27	ALU/ST 1700N ST/ST 3100N SS/SS 5000N	1200N 2900N 4000N
$6.4^{+0.08}_{-0.15}$	10 12 14 16 18 20 22 25 28 30 35	Dome $13^{+0.0}_{-1.5}$ CSK $12^{+0.0}_{-0.7}$ Flange $18^{+1.0}_{-1.0}$	Dome $1.8^{+0.4}_{-0.4}$ CSK $1.6^{+0.1}_{-0.1}$ Flange $3.0^{+0.2}_{-0.2}$	$3.8^{+0.1}_{-0.1}$	28	ALU/ST 3100N ST/ST 5700N SS/SS 9300N	2200N 4900N 7500N

Closed End Blind Rivets

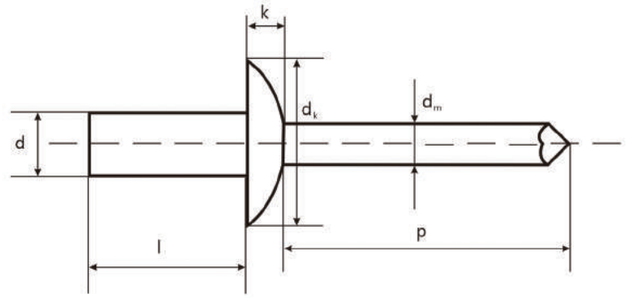
A type of tubular rivet with a mandrel through the center,which are commonly used to secure and completely seal the hole of a joint. Closed end blind rivets can prevent the passage of vapor or liquid through the set rivet and provide 100% mandrel retention.

Applications

- Containers
- Coach Work
- Air Conditioning
- Ship Building Industry

Materials

- Aluminum/Steel
- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum/Aluminum
- Aluminum/Stainless Steel
- Cooper/Steel



d	l	d_k	k	d_m	P Min	Tensile	Shear
$3.2^{+0.08}_{-0.15}$	6 8 10 12.5	$6.0^{+0.2}_{-0.2}$	$1.2^{+0.1}_{-0.1}$	$1.75^{+0.1}_{-0.1}$	25	ALU/ST 1450N SS/SS 2200N	1100N 2000N
$4.0^{+0.08}_{-0.15}$	6 8 10 12.5 14.5 16 18 21 25	$8.0^{+0.4}_{-0.4}$	$1.5^{+0.2}_{-0.2}$	$2.15^{+0.1}_{-0.1}$	27	ALU/ST 2000N SS/SS 3500N	1600N 3000N
$4.8^{+0.08}_{-0.15}$	8 10 12.5 14.5 16 18 21 25	$9.6^{+0.4}_{-0.4}$	$1.8^{+0.2}_{-0.2}$	$2.6^{+0.2}_{-0.2}$	27	ALU/ST 3100N SS/SS 4400N	2200N 4000N
$6.4^{+0.08}_{-0.15}$	12.5 14.5 16 18 21 25	$12^{+0.4}_{-0.4}$	$2.5^{+0.2}_{-0.2}$	$3.5^{+0.2}_{-0.2}$	27	ALU/ST 4900N SS/SS 8000N	4000N 6000N

Multigrip Blind Rivets

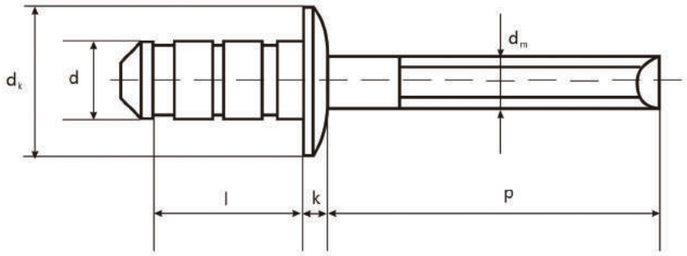
Designed for applications where materials of different thickness would generally require rivets in multiple sizes. Multi-grip rivets feature a wide grip range,so one rivet can often take the place of 2 or 3 rivets thus reducing inventory and guess work. They also accommodate oversized holes and are vibration and moisture resistant.

Applications

- Automotive
- Furniture Industry
- Plastics

Materials

- Aluminum/Steel
- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum/Aluminum
- Aluminum/Stainless Steel



d	l	Grip Range	d_k	k	d_m	p_{min}	Tensile	Shear
$3.2^{+0.08}$	6	1.0–3.5	$5.8^{+0.3}$	$1.2^{+0.1}$	$1.8^{+0.05}$	$28^{+1.0}$	ALU/ST	
	8	1.5–5.0					850N	650N
	10	2.5–6.0					ST/ST	
	12	3.0–8.0					1200N	1000N
	14	3.5–9.5					SS/SS	
	16	4.0–11.5					2000N	1700N
$4.0^{+0.08}$	8	1.0–3.5	$8.0^{+0.3}$	$1.6^{+0.1}$	$2.15^{+0.05}$	$28^{+1.0}$	ALU/ST	
	10	1.5–5.0					1500N	950N
	12	2.0–7.0					ST/ST	
	14	2.5–9.0					2000N	1500N
	16	3.5–11.0					SS/SS	
	18	5.5–12.5					3400N	2700N
	20	7.5–14.5						
$4.8^{+0.08}$	10	1.5–4.5	$9.5^{+0.3}$	$1.8^{+0.2}$	$2.65^{+0.05}$	$28^{+1.0}$	ALU/ST	
	12	2.0–6.5					2900N	2400N
	14	3.0–8.5					ST/ST	
	16	4.0–10.5					3600N	3300N
	18	5.0–12.5					SS/SS	
	20	7.0–14.5					4500N	4000N
	22	9.0–16.5						
	25	11.0–19.0						
	27	13.0–21.0						
	30	16.0–24.0						
$6.4^{+0.08}$	12	1.0–6.0	$12.5^{+0.5}$	$2.5^{+0.2}$	$3.65^{+0.05}$	$30^{+1.0}$	ALU/ST	
	14	1.5–7.5					4000N	3800N
	16	2.0–9.0					ST/ST	
	18	4.0–11.0					4000N	3800N
	20	6.0–12.0					SS/SS	
	25	8.0–15.0					7500N	6000N
	30	9.5–18.0						

Unigrip Blind Rivets

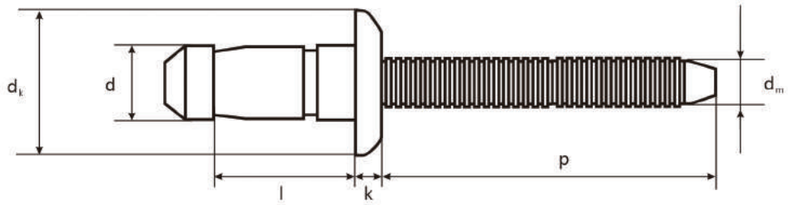
Ideal choice for jointing flexible materials such as metal sheets and plastic materials,which have many benifits like superior mechnical properties,high-strength and vibration-resistance joint,deformed dumbbell-shape tail to decentralize the surface pressure of riveted components.

Applications

- Automotive
- Truck Building
- Construction
- Coach Work

Materials

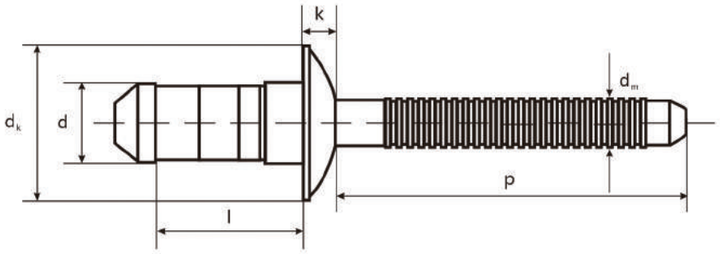
- Steel/Steel
- Stainless Steel/Stainless Steel



d	l	Grip Range	d_k	k	d_m	p_{min}	Tensile	Shear
3.2	7	1.0–3.0	$6.0^{+0.2}$	$1.3^{+0.1}$	$2.0^{+0.05}$	$30^{+1.0}$	ST/ST 1300N	1700N
	10	3.0–5.0						
	12	5.0–7.0					SS/SS 1600N	2000N
4.0	8.00	1.0–3.0	$7.8^{+0.3}$	$1.6^{+0.1}$	$2.5^{+0.05}$	$30^{+1.0}$	ST/ST 2800N	3500N
	10.00	3.0–5.0						
	12.00	5.0–7.0					SS/SS 4000N	5200N
4.8	10	1.5–3.5	$9.3^{+0.3}$	$2.0^{+0.1}$	$3.1^{+0.05}$	$30^{+1.0}$	ST/ST 3800N	4200N
	12	3.5–6.0						
	14	6.0–8.5					SS/SS 4500N	5500N
	16	8.5–10.0						
6.4	12	1.5–4.5	$13^{+0.4}$	$2.5^{+0.2}$	$4.15^{+0.05}$	$33^{+1.0}$	ST/ST 5400N	8000N
	14	3.0–6.5						
	16	5.0–8.5					SS/SS 8300N	13700N
	19	8.0–11.5						

Hemlock Rivets

Hemlock Rivets offer high strength with a large blind-side footprint for use in thin sheet or brittle material applications.High clamp-up and excellent mandrel retention ensures a vibration resistant joint.



d	l	Grip Range	d_k	k	d_m	p_{min}	Tensile
$4.8^{+0.08}_{-0.15}$	9	1.5–3.5	Dome $9.5^{+0.30}_{-0.30}$	Dome $2.4^{+0.2}_{-0.2}$	$3.1^{+0.1}_{-0.1}$	30mm	ST/ST 3500N
	11.5	3.5–6.0					
	14	6.0–8.5	Flange $14^{+0.30}_{-0.30}$	Flange $2.8^{+0.2}_{-0.2}$			SS/SS 4900N
	16.5	8.5–11					
	19	11.0–13.5					
$6.4^{+0.08}_{-0.15}$	10.5	2.0–4.5	Dome $13^{+0.35}_{-0.35}$	Dome $3.2^{+0.2}_{-0.2}$	$4.0^{+0.1}_{-0.1}$	30mm	ST/ST 6400N
	12.5	3.5–6.5					
	14.5	5.5–8.5					
	16.5	7.5–10.5	CSK $10^{+0.2}_{-0.2}$	CSK $2.4^{+0.1}_{-0.1}$			SS/SS 8300N
	18.5	9.5–12.5					
	20.5	11.0–14.0					
	22.5	13.0–16.0	Flange $16^{+0.4}_{-0.4}$	Flange $3.6^{+0.2}_{-0.2}$			AL/AL 2800N
	24.5	14.5–18.0					
	26.5	16.5–20.0					
$7.8^{+0.08}_{-0.15}$	13.5	4.0–7.0	Dome $17.5^{+0.5}_{-0.5}$	Dome $4.0^{+0.2}_{-0.2}$	$5.1^{+0.1}_{-0.1}$	30mm	ST/ST 9100N
	16.5	7.0–10.0					
	19.5	9.0–12.0					SS/SS 12500N
	22.5	12.0–15.0					

Applications

- Automotive
- Warehouse racking
- Ladders

Materials

- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum / Aluminum

Trifold Rivets

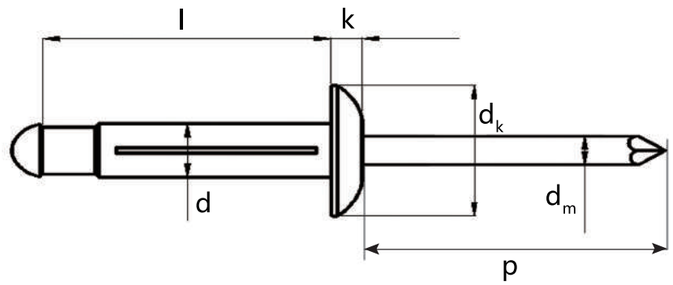
Designed for the assembly of soft, brittle or thin materials. The trifold formation on the blind side applies the rivet's clamping force over an increased area, reducing the risk of cracking the parent material and compensating for irregular or oversized holes.

Applications

- Plastic
- Soft Material
- Insulation
- Plaster Boards

Materials

- Body:5052 Aluminum
- Mandrel:5056 Aluminum



Dia	l	Grip Range	d	d_k	k	d_m	p_{min}	Tensile	Shear
3.2	14	0.5-4.0	$3.1^{+0.1}_{-0.1}$	Dome $6.4^{+0.4}_{-0.4}$	Dome $1.1^{+0.2}_{-0.2}$	$1.9^{+0.1}_{-0.1}$	27	400N	500N
	16	0.5-6.0							
	18	1.0-8.0		Flange $9.8^{+0.3}_{-0.3}$	Flange $1.5^{+0.2}_{-0.2}$				
	20	2.0-10.5							
4.0	14	1.0-3.0	$4.0^{+0.1}_{-0.1}$	Dome $8.0^{+0.4}_{-0.4}$	Dome $1.5^{+0.2}_{-0.2}$	$2.3^{+0.15}_{-0.15}$	27	700N	600N
	16	1.0-5.0							
	18.8	1.5-7.5		Flange $12^{+0.5}_{-0.5}$	Flange $1.8^{+0.2}_{-0.2}$				
	20.8	1.5-9.5							
	25	2.0-13.0							
4.8	16	1.0-4.0	$4.8^{+0.1}_{-0.1}$	Dome $9.6^{+0.5}_{-0.5}$	Dome $1.8^{+0.2}_{-0.2}$	$2.85^{+0.15}_{-0.15}$	27	1100N	800N
	18	1.0-6.0							
	20.5	1.0-9.0		Flange $16^{+0.5}_{-0.5}$	Flange $2.1^{+0.4}_{-0.4}$				
	25	1.5-12.5							
5.0	16	1.0-4.0	$4.9^{+0.1}_{-0.1}$	Dome $9.6^{+0.5}_{-0.5}$	Dome $1.8^{+0.2}_{-0.2}$	$2.85^{+0.15}_{-0.15}$	27	1300N	1100N
	18	1.0-6.0							
	20	1.0-8.5		Flange $16^{+0.5}_{-0.5}$	Flange $2.1^{+0.3}_{-0.3}$				
	25	1.5-12.5							
6.4	23	1.5-6.5	$6.4^{+0.1}_{-0.1}$	Dome $13.6^{+0.5}_{-0.5}$	Dome $3.0^{+0.3}_{-0.3}$	$3.80^{+0.15}_{-0.15}$	31	2500N	2000N
	26	5.0-9.5							
	30	7.5-13.5							

Waterproof Bulbtite Rivets

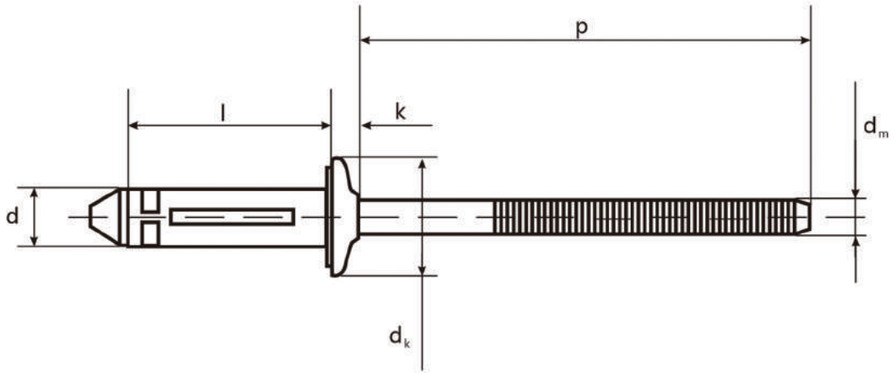
When installed, the body of Bulbtite rivets folds into three separate legs, forming a large bearing surface on the blindside. This bearing head evenly distributes rivet' s high clamp force in soft, thin, or brittle materials, while providing high pull-through resistance. With a wide grip range, a single Bulbtite rivet can be used across a greater variation of material thicknesses.

Applications

- Construction
- Domestic Application
- Truck

Materials

- Body: Aluminum 5056
- Mandrel: Aluminum 7A03
- Washer: EPDM



Dia	l	Grip Range	d	d_k	k	d_m	p_{min}	Tensile	Shear
5.2	17.5	1.3–4.8	$5.1^{+0.1}_{-0.1}$	$11.5^{+0.2}_{-0.2}$	$3.4^{+0.1}_{-0.1}$	$2.85^{+0.05}_{-0.05}$	30	2000N	3000N
	19.1	1.6–6.4							
	22.2	4.7–9.5							
	25.4	7.9–12.7							
	28.6	11.1–15.9							
	31.8	14.3–19.1							
6.4	20.2	1.6–6.4	$6.2^{+0.15}_{-0.15}$	Dome $14.3^{+0.2}_{-0.2}$ Flange $15.7^{+0.2}_{-0.2}$	Dome $4.0^{+0.1}_{-0.1}$ Flange $4.4^{+0.1}_{-0.1}$	$3.9^{+0.1}_{-0.1}$	30	2500N	4200N
	23.4	3.2–9.5							
	26.5	6.4–12.7							
	29.7	9.5–15.9							
7.5	16	1.1–9.5	$7.5^{+0.1}_{-0.1}$	Dome $15.7^{+0.2}_{-0.2}$ Flange $19^{+0.5}_{-0.5}$	Dome $4.4^{+0.1}_{-0.1}$ Flange $4.5^{+0.3}_{-0.3}$	$4.3^{+0.1}_{-0.1}$	28	4900N	6200N
	18	6.4–15.9							
	25	9.5–19.1							

Monobolt Rivets

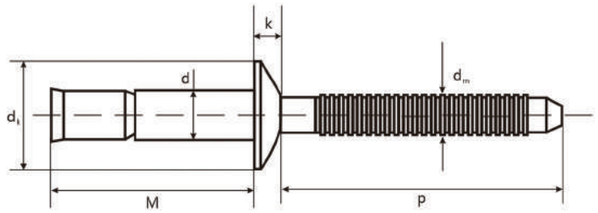
A type of multi-grip,structural breakstem fasteners with external locking mechanisms for quick & easy inspections. They are high strength, excellent hole fill fasteners that provide substantial gap closing capabilities.

Applications

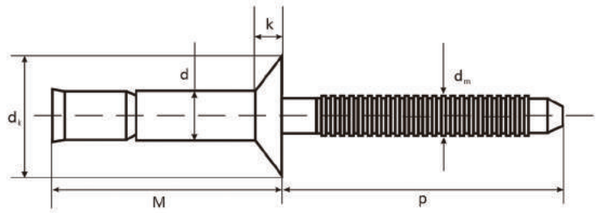
- Automotive
- Containers
- Cabinets and enclosures
- Commercial vehicles
- Heating and ventilating

Materials

- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum / Aluminum



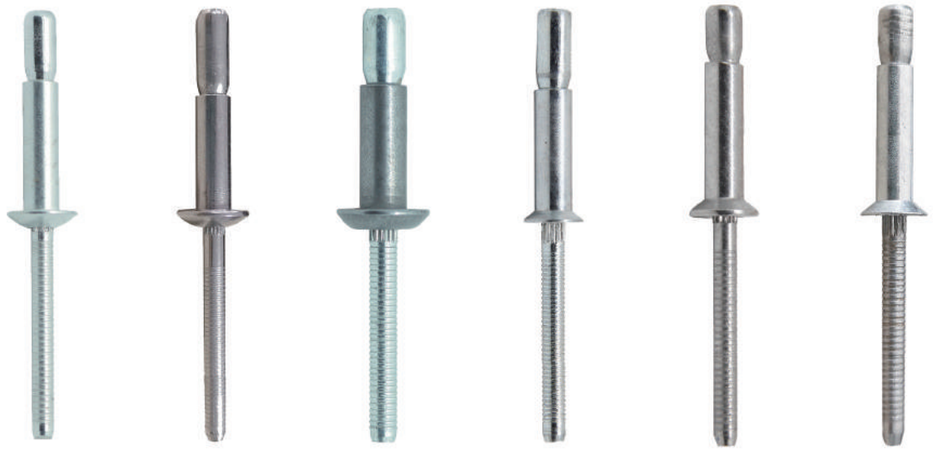
Size	M max	Grip Range	d	d_k	k	d_m	p	Tensile	Shear
4.8x10	18.2	1.6-6.9	$4.8^{+0.08}_{-0.1}$	$9.8^{+0.3}_{-0.3}$	$2.0^{+0.1}_{-0.1}$	$3.05^{+0.05}_{-0.05}$	27-28	ALU/ALU 2000N	2400N
								ST/ST 4100N	5800N
4.8x14	24.6	1.6-11						SS/SS 5000N	6400N
6.4x14	25.3	2.1-9.5	$6.4^{+0.08}_{-0.15}$	$13.2^{+0.3}_{-0.3}$	$2.8^{+0.1}_{-0.1}$	$4.05^{+0.05}_{-0.05}$	31-32	ALU/ALU 3700N	5600N
								ST/ST 8200N	10500N
6.4x19	35.6	2.0-15.8						SS/SS 9000N	11000N
9.8x21	36.2	3.04-15.8	$6.4^{+0.08}_{-0.15}$	$19.0^{+1.0}_{-1.0}$	$4.0^{+0.1}_{-0.1}$	$6.05^{+0.05}_{-0.05}$	40-41	ALU/ALU 8500N	11500N
								ST/ST 17500N	26300N



Size	M max	Grip Range	d	d_k	k	d_m	p	Tensile	Shear
4.8x12	20	3.2-8.4	$4.8^{+0.08}_{-0.1}$	$8.9^{+0.1}_{-0.1}$	$2.0^{+0.1}_{-0.1}$	$3.05^{+0.05}_{-0.05}$	27-28	ALU/ALU 2000N	2400N
								ST/ST 4100N	5800N
4.8x16	26.5	3.2-12.2						SS/SS 5000N	6400N
6.4x16	28.3	3.2-12.1	$6.4^{+0.08}_{-0.15}$	$10.4^{+0.1}_{-0.1}$	$2.8^{+0.1}_{-0.1}$	$4.05^{+0.05}_{-0.05}$	31-32	ALU/ALU 3700N	5600N
								ST/ST 8200N	10500N
6.4x22	36.3	3.2-16						SS/SS 9000N	11000N

Interlock Rivets

A multi-grip structural breakstem fastener with excellent hole fill to give a fully sealed joint.The Interlock rivet can close large gaps and prevent sheet movement whilst the high shear and tensile strength enable the use of fewer Interlock rivets per assembly.

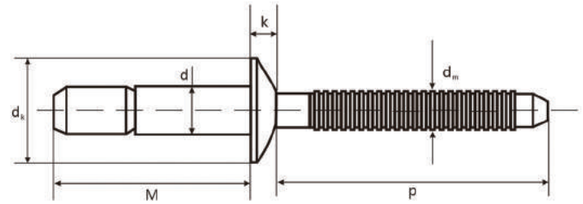


Applications

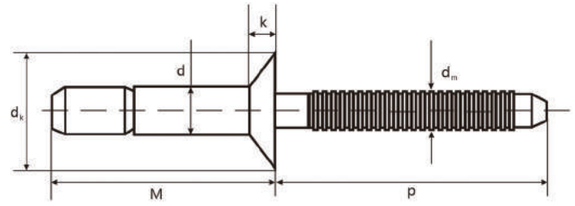
- Automotive
- Containers
- Cabinets and enclosures
- Commercial vehicles
- Heating and ventilating

Materials

- Steel/Steel
- Stainless Steel/Stainless Steel
- Aluminum / Aluminum



Size	M max	Grip Range	d	d_k	k	d_m	p	Tensile	Shear
4.8x10	18.2	1.6-6.9	$4.8^{+0.08}_{-0.1}$	Dome $9.8^{+0.4}_{-0.4}$	Dome $2.4^{+0.1}_{-0.1}$	$3.05^{+0.05}_{-0.05}$	27-28	ALU/ALU 2000N	2600N
								ST/ST 4400N	5800N
4.8x14	24.6	1.6-11		Flange $14^{+0.4}_{-0.4}$	Flange $2.6^{+0.1}_{-0.1}$			SS/SS 4400N	5800N
6.4x14	25.3	2.0-9.5	$6.4^{+0.08}_{-0.15}$	Dome $13^{+0.5}_{-0.5}$	Dome $2.9^{+0.2}_{-0.2}$	$4.05^{+0.05}_{-0.05}$	31-32	ALU/ALU 3600N	5800N
								ST/ST 8200N	11000N
6.4x20	35.6	2.0-15.9		Flange $17^{+1.0}_{-1.0}$	Flange $3.3^{+0.2}_{-0.2}$			SS/SS 8200N	10500N
9.8x21	40.3	3.1-15.5	$9.8^{+0.08}_{-0.15}$	$19^{+0.5}_{-0.5}$	$4.3^{+0.2}_{-0.2}$	$6.15^{+0.05}_{-0.05}$	40-42	ALU/ALU 8000N	13000N
								ST/ST 17500N	26500N



Size	M max	Grip Range	d	d_k	k	d_m	p	Tensile	Shear
4.8x12	20.2	3.2-8.4	$4.8^{+0.08}_{-0.1}$	$9.1^{+0.1}_{-0.1}$	$2.05^{+0.1}_{-0.1}$	$3.05^{+0.05}_{-0.05}$	27-28	ALU/ALU 2000N	2600N
								ST/ST 4400N	5800N
4.8x16	26.5	3.2-12.7						SS/SS 4400N	5800N
6.4x16	28.3	4.3-12.1	$6.4^{+0.08}_{-0.15}$	$11.2^{+0.2}_{-0.2}$	$2.2^{+0.1}_{-0.1}$	$4.05^{+0.05}_{-0.05}$	31-32	ALU/ALU 3600N	5800N
								ST/ST 8200N	11000N
6.4x22	36.5	4.3-18.4						SS/SS 8200N	10500N
9.8x26	45	6.1-19	$9.8^{+0.08}_{-0.15}$	$16^{+0.5}_{-0.5}$	$3.7^{+0.1}_{-0.1}$	$6.15^{+0.05}_{-0.05}$	40-42	ST/ST 15500N	25500N