



Avex® blind rivets



Benefits at a glance

- Multi-range properties - covers a number of material strengths
- One fastener does the work of numerous fasteners offering a standard grip range - reduces and simplifies storage needs
- Good hole-filling properties ensure secure, vibration-proof connections
- Hole tolerance compensation
- Prevents sheet panels from shifting if the drilled holes are too big
- Positive stem retention - no damage, malfunctions or rattling from loose mandrels
- Large blind-side footprint
- Good load distribution on the blind side - ideal for thin materials

Sample applications:

- Automotive engineering
- Commercial vehicle construction
- Household appliances
- Electronics
- Electrical engineering
- Lighting
- HVAC



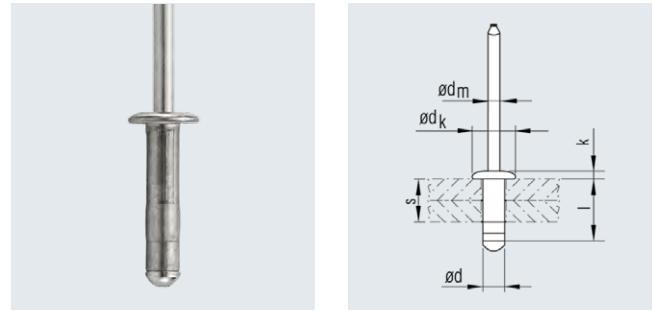
Avex® 1661 blind rivets

Truss head

Material

■ Sleeve:
 Aluminum AlMg2.5

■ Mandrel:
 Steel, galvanised



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head		Mandrel \varnothing dm max. [mm]	Nominal strength at break		Article No.
				\varnothing dk max. [mm]	Height k max. [mm]		Shear [N]	Tensile [N]	
3.0	3.1 - 3.3	0.8 - 4.3	9.1	6.7	1.3	1.7	700	900	341 750 000
3.2	3.3 - 3.4	0.8 - 4.8	10.4	6.7	1.3	1.8	700	1000	341 760 000
		1.2 - 6.3	12.0	6.7	1.3	1.8	700	1000	341 761 000
		4.0 - 7.9	13.6	6.7	1.3	1.8	700	1000	341 762 000
		5.5 - 9.5	16.0	6.7	1.3	1.8	700	1000	341 763 000
4.0	4.1 - 4.2	0.5 - 3.2	9.3	8.2	1.6	2.2	1100	1600	341 770 000
		0.8 - 4.7	10.7	8.2	1.6	2.2	1100	1600	341 771 000
		1.2 - 6.3	12.5	8.2	1.6	2.2	1000	1600	341 772 000
		4.0 - 9.5	16.2	8.2	1.6	2.2	1000	1600	341 773 000
		6.4 - 12.7	19.6	8.2	1.6	2.2	1000	1600	341 774 000
4.8	4.9 - 5.0	1.6 - 6.3	13.9	10.1	1.8	2.9	1500	2300	341 780 000
		4.8 - 11.1	18.7	10.1	1.8	2.9	1300	2300	341 781 000
		4.8 - 12.7	20.2	10.1	1.8	2.9	1300	2300	341 782 000
		12.7 - 19.8	28.2	10.1	1.8	2.9	1400	2300	341 783 000
6.4	6.6 - 6.9	1.5 - 8.3	16.8	13.5	2.7	4.0	3100	2500	341 790 000 ²⁾

* Strengths at break relate to rivet failure.

²⁾ Mandrel in clear passivate

Other designs available on request.

Avex® 1641 blind rivets

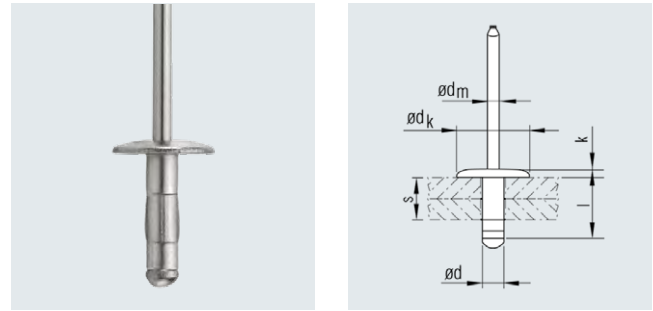


Large truss head

Material

■ Sleeve:
Aluminum AlMg5

■ Mandrel:
Steel, galvanised



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head		Mandrel \varnothing dm max. [mm]	Nominal strength at break		Article No.
				\varnothing dk max. [mm]	Height k max. [mm]		Shear [N]	Tensile [N]	
4.8	4.9 - 5.0	1.6 - 6.3	13.9	16.2	2.2	2.9	1500	2100	341 730 000
		3.2 - 9.3	17.0	16.2	2.2	2.9	1300	2100	341 731 000
		4.8 - 11.1	18.7	16.2	2.2	2.9	1300	2100	341 732 000
		6.4 - 12.7	20.2	16.2	2.2	2.9	1300	2100	341 733 000
		12.7 - 19.8	28.2	16.2	2.2	2.9	1400	2100	341 734 000

* Strengths at break relate to rivet failure.

Other designs available on request.



Avex® 1604 blind rivets

Countersunk 120°

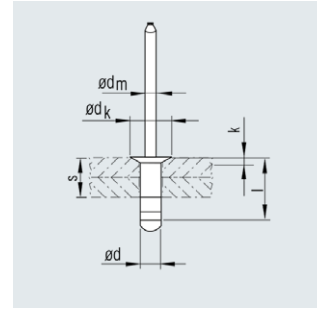
Material



Sleeve:
Aluminum AlMg2.5



Mandrel:
Steel, galvanised



Nominal Ø d [mm]	Bore Ø [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head		Mandrel Ø dm max. [mm]	Nominal strength at break		Article No.
				Ø dk max. [mm]	Height k max. [mm]		Shear [N]	Tensile [N]	
3.2	3.3 - 3.4	2.4 - 6.3	12.2	5.5	1.3	1.8	700	900	341 700 000
		4.0 - 7.9	13.4	5.5	1.3		700	1000	341 701 000
		5.5 - 9.5	14.8	5.5	1.3		700	1000	341 702 000
4.0	4.1 - 4.2	2.8 - 7.9	14.3	6.5	1.4	2.2	1100	1300	341 710 000
		3.6 - 8.8	15.1	6.5	1.4		1100	1300	341 711 000
4.8	4.9 - 5.0	3.2 - 7.9	15.5	9.0	1.8	2.9	1500	2300	341 720 000
		6.3 - 12.7	20.4	9.0	1.8		1300	2300	341 721 000

* Strengths at break relate to rivet failure.


Other designs available on request.




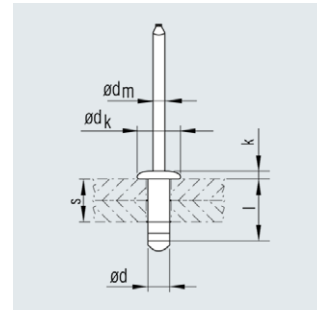
Avex® 1663 blind rivets

Truss head

Material

 Sleeve:
Aluminum AlMg2.5

 Mandrel:
Stainless steel



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head		Mandrel \varnothing dm max. [mm]	Nominal strength at break		Article No.
				\varnothing dk max. [mm]	Height k max. [mm]		Shear [N]	Tensile [N]	
3.0	3.1 - 3.3	0.8 - 4.3	9.1	6.7	1.3	1.7	700	900	341 800 000
3.2	3.3 - 3.4	0.8 - 4.8	10.4	6.7	1.3	1.8	700	1000	341 810 000
		1.2 - 6.3	12.0	6.7	1.3	1.8	700	1000	341 811 000
		4.0 - 7.9	13.6	6.7	1.3	1.8	700	1000	341 812 000
		5.5 - 9.5	16.0	6.7	1.3	1.8	700	1000	341 813 000
4.0	4.1 - 4.2	0.5 - 3.2	9.3	8.2	1.6	2.2	1100	1600	341 820 000
		0.8 - 4.7	10.7	8.2	1.6	2.2	1100	1600	341 821 000
		1.2 - 6.3	12.5	8.2	1.6	2.2	1000	1600	341 822 000
		4.0 - 9.5	16.2	8.2	1.6	2.2	1000	1600	341 823 000
		6.4 - 12.7	19.6	8.2	1.6	2.2	1000	1600	341 824 000
4.8	4.9 - 5.0	1.6 - 6.3	13.9	10.1	1.8	2.9	1500	2300	341 830 000
		4.8 - 11.1	18.7	10.1	1.8	2.9	1300	2300	341 831 000
		4.8 - 12.7	20.2	10.1	1.8	2.9	1300	2300	341 832 000
		12.7 - 19.8	28.2	10.1	1.8	2.9	1400	2300	341 833 000

* Strengths at break relate to rivet failure.

Other designs available on request.

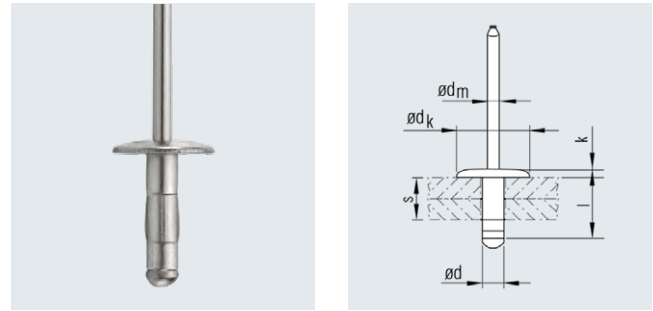


Avex® 1643 blind rivets

Large truss head

Material

- Sleeve:
Aluminum AlMg2.5
- Mandrel:
Stainless steel



Nominal \varnothing d [mm]	Bore \varnothing [mm]	Grip range s [mm]	Blind sleeve l max. [mm]	Blind rivet head		Mandrel \varnothing dm max. [mm]	Nominal strength at break		Article No.
				\varnothing dk max. [mm]	Height k max. [mm]		Shear [N]	Tensile [N]	
4.8	4.9 - 5.0	1.6 - 6.3	13.9	16.2	2.2	2.9	1400	2000	341 740 000
		6.4 - 12.7	19.7	16.2	2.2	2.9	1200	2000	341 741 000
		12.7 - 19.8	27.6	16.2	2.2	2.9	1300	2000	341 742 000

* Strengths at break relate to rivet failure.

Other designs available on request.