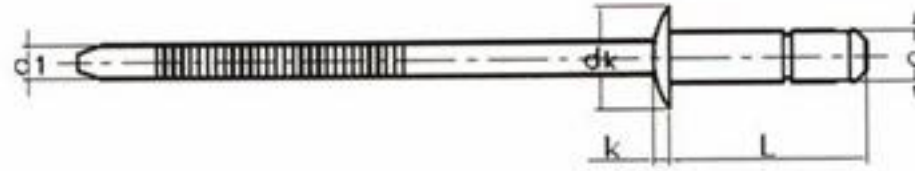


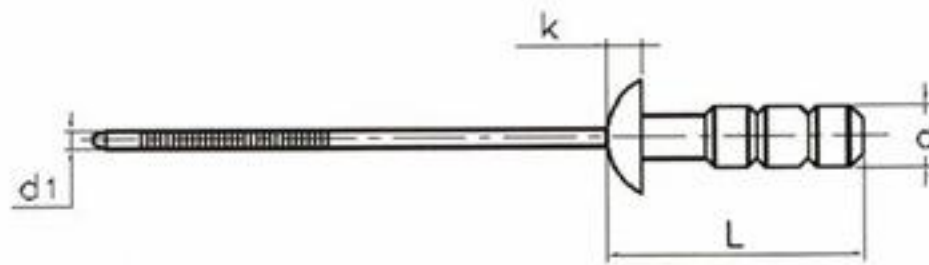
Length Unit: mm

d	L ±0.99	Grip Range		Hole Size Φ	dk	k max	d ₁ max	L ₁ min	Minimum Compressive N	Minimum Shear Force N
		min	max							
Φ3.2 +0.08 -0.15	6.0	1.0	3.5	3.3-3.4	5.8-6.7	1.3	2.0	27	850	650
	8.0	1.5	5.0							
	10.0	2.5	7.0							
	12.0	4.5	9.0							
	14.0	6.5	10.5							
16.0	9.0	12.5								
Φ4.0 +0.08 -0.15	6.0	1.0	3.5	4.1-4.2	6.9-8.4	1.7	2.5	27	1500	950
	8.0	1.5	5.0							
	10.0	2.0	6.5							
	12.0	3.5	8.5							
	14.0	5.5	10.5							
	16.0	6.0	12.5							
	18.0	9.5	14.5							
20.0	11.5	16.5								
Φ4.8 +0.08 -0.15	10.0	1.5	6.0	4.9-5.0	8.3-10.1	2.0	3.0	27	2000	1320
	12.0	2.0	8.0							
	14.0	3.5	9.5							
	16.0	6.0	11.5							
	18.0	8.0	13.5							
	20.0	10.0	10.5							
	22.0	12.0	17.5							
	24.0	12.0	19.0							
	27.0	17.0	22.0							
30.0	20.0	25.0								
Φ6.4 +0.08 -0.15	12.5	1.0	6.0	6.5-6.6	11.6-13.4	2.7	4.2	27	4000	3800
	14.5	1.5	7.5							
	16.5	2.0	9.0							
	18.5	4.0	11.0							
	20.5	5.5	12.5							
25.5	10.5	17.5								



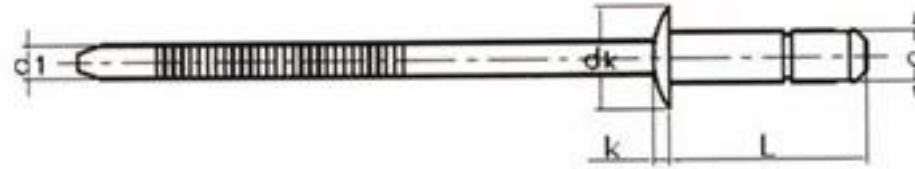
Length Unit: mm

d	L	Grip Range		Hole Size Φ	dk	k	d ₁	L ₁	Minimum Compressive	Minimum Shear Force
		min	max						N	N
Φ3.2	9.1	1.0	6.0	3.3-3.4	6.6	1.1	2.1	27	2000	1600
+0.08	11.5	3.0	5.0							1700
-0.15	14.1	5.0	7.0							3200
Φ4.0	10.3	1.0	3.0	4.1-4.3	8.0	1.5	2.6	27	4000	5200
+0.08	12.9	3.0	5.0							5200
-0.15	15.6	5.0	7.0							5200
Φ4.8	12.8	1.5	3.5	4.1-4.3	9.6	1.5	3.2	27	5000	5500
+0.08	15.4	3.5	6.0							5500
-0.15	18.4	6.0	8.5							
Φ6.0	17.1	1.5	4.0	4.1-4.3	13.4	3.1	4.93	27	7800	12000
+0.08	20.1	3.0	6.0							12000



Length Unit: mm

d	L ±0.99	Grip Range		Hole Size Φ	dk	k max	d ₁ max	L ₁ min	Minimum Compressive N	Minimum Shear Force N
		min	max							
Φ3.2	8.0	1.0	4.0							
+0.08	10.0	2.5	6.0							
-0.15	2.0	1.5	8.0	3.3-3.4	6.7	1.3	2.3	27	1200	1000
	14.0	3.5	9.5							
	16.0	5.5	11.5							
Φ4.0	8.0	1.0	3.5							
+0.08	10.0	1.5	5.0							
-0.15	12.0	3.5	7.0							
	14.0	1.5	9.0	4.1-4.2	8.4	1.5	2.9	27	2000	1500
	16.0	3.5	11.0							
	18.0	5.5	12.5							
	20.0	7.5	14.5							
Φ4.8	10.0	1.5	4.5							
+0.08	12.0	2.0	6.5							
-0.15	14.0	3.0	8.5							
	16.0	3.0	10.5							
	18.0	5.0	12.5	4.9-5.0	10.1	2.0	3.4	27	2900	2400
	20.0	7.0	14.5							
	22.0	9.0	16.5							
	27.0	13.0	21.0							
	30.0	16.0	24.0							



Length Unit: mm

d	L	Grip Range		Hole Size Φ	dk	k	d ₁	L ₁	Minimum Compressive N	Minimum Shear Force N
		min	max							
Φ3.2	9.1	1.0	6.0	3.3-3.4	6.6	1.1	2.1	27	2000	1600
+0.08	11.5	3.0	5.0							1700
-0.15	14.1	5.0	7.0							3200
Φ4.0	10.3	1.0	3.0	4.1-4.3	8.0	1.5	2.6	27	4000	5200
+0.08	12.9	3.0	5.0							5200
-0.15	15.6	5.0	7.0							5200
Φ4.8	12.8	1.5	3.5	4.1-4.3	9.6	1.5	3.2	27	5000	5500
+0.08	15.4	3.5	6.0							5500
-0.15	18.4	6.0	8.5							
Φ6.0	17.1	1.5	4.0	4.1-4.3	13.4	3.1	4.93	27	7800	12000
+0.08	20.1	3.0	6.0							12000

