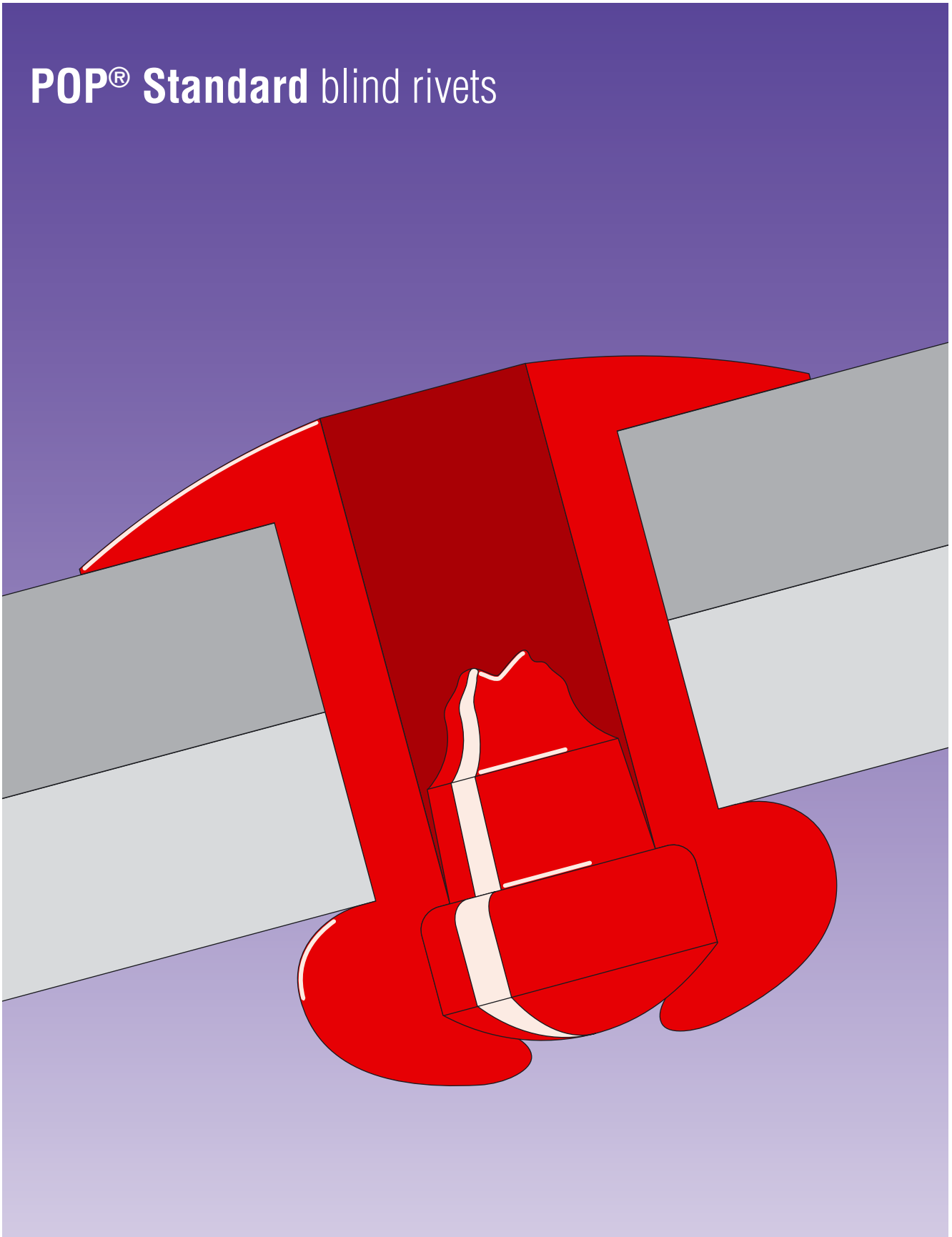


TITGEMEYER^{GTO}

YOUR SOLUTION

POP[®] Standard blind rivets



TITGEMEYER Tb1396GB(115)1

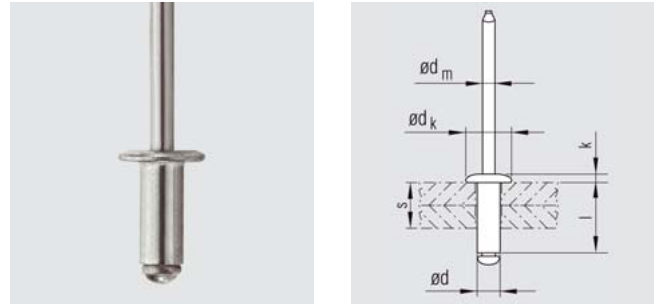
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Aluminium AlMg 3,5

Mandrel: ■ Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.4	2.5 - 2.6	0.5 - 0.8	3.5	4.7	0.8	1.4	400	500	304 170
		0.8 - 2.4	5.0	4.7	0.8	1.4	400	500	304 171
		2.4 - 4.8	7.5	4.7	0.8	1.4	400	500	304 172
3.0	3.1 - 3.2	0.5 - 2.0	5.0	6.0	1.0	1.8	800	1000	301 370
		2.0 - 3.5	6.5	6.0	1.0	1.8	800	1000	301 371
		3.5 - 5.0	8.0	6.0	1.0	1.8	800	1000	301 372
		5.0 - 7.0	10.0	6.0	1.0	1.8	800	1000	301 373
		7.0 - 9.0	12.0	6.0	1.0	1.8	800	1000	301 374
3.2	3.3 - 3.4	9.0 - 12.0	15.0	6.0	1.0	1.8	800	1000	301 375
		0.5 - 1.6	4.5	6.4	1.0	1.8	800	1200	304 370
		1.6 - 3.2	6.0	6.4	1.0	1.8	800	1200	304 371
		3.2 - 4.8	8.0	6.4	1.0	1.8	800	1200	304 372
		4.8 - 6.4	9.7	6.4	1.0	1.8	800	1200	304 373
		6.4 - 7.9	11.5	6.4	1.0	1.8	800	1200	304 374
		7.9 - 9.5	13.5	6.4	1.0	1.8	800	1200	304 375
		9.5 - 11.1	15.0	6.4	1.0	1.8	800	1200	304 378
4.0	4.1 - 4.2	11.1 - 12.7	17.0	6.4	1.0	1.8	800	1200	304 376
		12.7 - 14.3	18.5	6.4	1.0	1.8	800	1200	304 377
		14.3 - 16.7	20.0	6.4	1.0	1.8	800	1200	304 338
		16.7 - 20.7	24.0	6.4	1.0	1.8	800	1200	304 339
		0.5 - 1.6	5.0	7.9	1.3	2.3	1300	1900	304 470
		1.6 - 3.2	7.0	7.9	1.3	2.3	1300	1900	304 471
		3.2 - 4.8	8.5	7.9	1.3	2.3	1300	1900	304 472
		4.8 - 6.4	10.5	7.9	1.3	2.3	1300	1900	304 473
		6.4 - 7.9	12.2	7.9	1.3	2.3	1300	1900	304 474
		7.9 - 9.5	14.0	7.9	1.3	2.3	1300	1900	304 475
		9.5 - 11.1	15.7	7.9	1.3	2.3	1300	1900	304 476
4.8	4.9 - 5.0	11.1 - 12.7	17.5	7.9	1.3	2.3	1300	1900	304 477
		12.7 - 14.5	19.4	7.9	1.3	2.3	1300	1900	304 478
		13.5 - 15.9	20.2	7.9	1.3	2.3	1300	1900	304 479
		15.9 - 17.4	22.5	7.9	1.3	2.3	1300	1900	304 490
		17.4 - 19.8	24.7	7.9	1.3	2.3	1300	1900	304 491
		0.5 - 2.4	6.5	9.0	1.4	2.6	2000	2800	304 530
		2.4 - 3.2	7.5	9.0	1.4	2.6	2000	2800	304 531
		3.2 - 4.8	9.2	9.0	1.4	2.6	2000	2800	304 532
		4.8 - 6.4	11.0	9.0	1.4	2.6	2000	2800	304 533

Continued on next page

We reserve the right to amend specifications at any time.

Continued

Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
4.8	4.9 - 5.0	6.4 - 7.9	12.7	9.0	1.4	2.6	2000	2800	304 534
		7.9 - 9.5	14.7	9.0	1.4	2.6	2000	2800	304 535
		9.5 - 11.1	16.5	9.0	1.4	2.6	2000	2800	304 536
		11.1 - 12.7	18.0	9.0	1.4	2.6	2000	2800	304 537
		11.1 - 13.5	19.0	9.0	1.4	2.6	2000	2800	304 538
		13.5 - 15.5	21.0	9.5	1.4	2.6	2000	2800	304 564
		15.5 - 17.5	23.0	9.5	1.4	2.6	2000	2800	304 565
		13.5 - 19.8	25.5	9.0	1.4	2.6	2000	2800	304 566
		19.1 - 22.2	26.7	9.5	1.4	2.9	2000	2800	304 539
		19.8 - 26.2	32.5	9.0	1.4	2.6	2000	2800	304 567
5.0	5.1 - 5.2	0.5 - 3.5	6.5	9.0	1.6	2.6	2200	2600	301 531
		3.5 - 4.5	8.0	9.0	1.6	2.6	2200	2600	301 532
		4.5 - 6.0	10.0	9.0	1.6	2.6	2200	2600	301 533
		6.0 - 7.5	12.0	9.0	1.6	2.6	2200	2600	301 534
		7.5 - 9.5	14.0	9.0	1.6	2.6	2200	2600	301 535
		9.5 - 11.5	16.0	9.0	1.6	2.6	2200	2600	301 536
		11.5 - 13.5	18.0	9.0	1.6	2.6	2200	2600	301 537
		13.5 - 15.5	20.0	9.0	1.6	2.6	2200	2600	301 538
		16.5 - 17.5	22.0	9.0	1.6	2.6	2200	2600	301 539
6.4	6.5 - 6.6	4.8 - 6.4	12.7	12.7	2.1	3.7	3200	4500	304 629
		9.5 - 12.7	19.5	12.7	2.1	3.7	3200	4500	304 630
		12.7 - 19.8	26.2	12.7	2.1	3.7	3200	4500	304 631
		23.2 - 25.4	31.1	12.7	1.8	3.8	3200	4500	304 632¹

* Minimum based on rivet failure

¹ Material Sleeve: AlMg 5

Other types on request.

We reserve the right to amend specifications at any time.

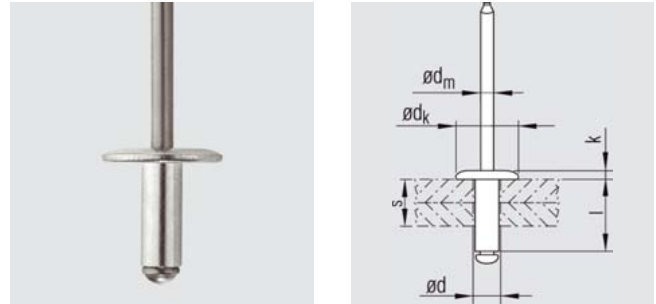
POP® Standard blind rivets

Large dome head

Material

Sleeve: ■ Aluminium AlMg 3,5

Mandrel: ■ Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.5 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	1.6 - 3.2	6.2	9.5	1.5	1.8	800	1200	306 371
		3.2 - 4.8	8.0	9.5	1.5	1.8	800	1200	306 372
		4.8 - 6.4	9.7	9.5	1.5	1.8	800	1200	306 373
		6.4 - 7.9	11.5	9.5	1.5	1.8	800	1200	306 374
		7.9 - 9.5	13.5	9.5	1.5	1.8	800	1200	306 375
		11.1 - 12.7	17.0	9.5	1.5	1.8	800	1200	306 377
4.0	4.1 - 4.2	1.5 - 4.8	8.5	12.0	1.6	2.3	1300	1900	306 472
		4.8 - 6.4	10.5	12.0	1.6	2.3	1300	1900	306 473
		6.4 - 7.9	12.2	12.0	1.6	2.3	1300	1900	306 474
		7.9 - 9.5	14.0	12.0	1.6	2.3	1300	1900	306 475
		9.5 - 11.1	15.7	12.0	1.6	2.3	1300	1900	306 476
		11.1 - 12.7	17.5	12.0	1.6	2.3	1300	1900	306 477
4.8	4.9 - 5.0	3.2 - 4.8	9.2	11.0	1.8	2.6	2000	2800	306 532
		3.2 - 4.8	9.2	14.0	1.8	2.6	2000	2800	306 192
		4.8 - 6.4	11.0	11.0	1.8	2.6	2000	2800	306 533
		4.8 - 6.4	11.0	14.0	1.8	2.6	2000	2800	306 193
		6.4 - 7.9	12.7	11.0	1.8	2.6	2000	2800	306 534
		6.4 - 7.9	12.7	14.0	1.8	2.6	2000	2800	306 194
		7.9 - 9.5	14.5	14.0	1.8	2.6	2000	2800	306 195
		7.9 - 9.5	14.7	11.0	1.8	2.6	2000	2800	306 535
		9.5 - 11.1	16.5	11.0	1.8	2.6	2000	2800	306 536
		9.5 - 11.1	16.5	14.0	1.8	2.6	2000	2800	306 196
		11.1 - 12.7	18.2	11.0	1.8	2.6	2000	2800	306 537
		11.1 - 12.7	18.2	14.0	1.8	2.6	2000	2800	306 197
		12.7 - 13.5	19.0	11.0	1.8	2.6	2000	2800	306 538
		12.7 - 13.5	19.0	14.0	1.8	2.6	2000	2800	306 198
15.9 - 19.0	23.5	15.9	2.2	2.9	2000	2800	306 099 ^{1,2}		
22.3 - 25.4	29.8	15.9	2.2	2.9	2000	2800	306 101 ^{1,2}		

* Minimum based on rivet failure

¹ Material Sleeve: AlMg 5

² Tolerance of rivet head $\varnothing dk \pm 0,7$

Other types on request.

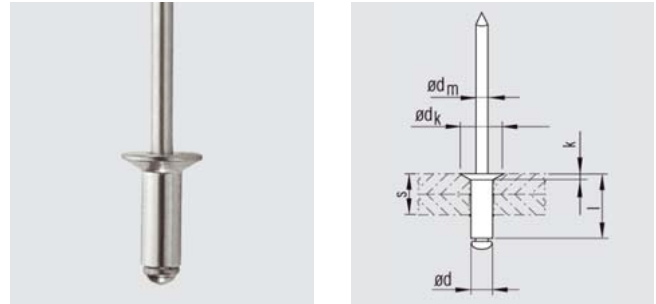
We reserve the right to amend specifications at any time.

Countersunk head 120°

Material

Sleeve: ■ Aluminium AlMg 3,5

Mandrel: ■ Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.5 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.4	2.5 - 2.6	1.6 - 3.2	6.0	4.7	1.0	1.4	400	500	304 180
		3.2 - 5.6	8.5	4.7	1.0	1.4	400	500	304 181
3.0	3.1 - 3.2	2.0 - 3.5	6.7	6.3	1.1	1.8	800	1000	301 381
3.2	3.3 - 3.4	0.5 - 2.7	5.5	6.4	1.1	1.8	800	1200	304 380
		2.7 - 4.3	7.5	6.4	1.1	1.8	800	1200	304 381
		4.3 - 5.8	9.0	6.4	1.1	1.8	800	1200	304 382
		5.8 - 7.4	11.0	6.4	1.1	1.8	800	1200	304 383
		7.4 - 9.0	12.7	6.4	1.1	1.8	800	1200	304 384
		9.0 - 10.6	14.5	6.4	1.1	1.8	800	1200	304 385
		10.6 - 12.2	16.2	6.4	1.1	1.8	800	1200	304 387
		12.2 - 13.8	18.0	6.4	1.1	1.8	800	1200	304 386
4.0	4.1 - 4.2	13.8 - 15.4	19.7	6.4	1.1	1.8	800	1200	304 388
		2.9 - 4.5	8.5	7.9	1.5	2.3	1300	1900	304 481
		4.5 - 6.1	10.0	7.9	1.5	2.3	1300	1900	304 482
		6.1 - 7.7	12.0	7.9	1.5	2.3	1300	1900	304 483
		7.7 - 9.3	13.5	7.9	1.5	2.3	1300	1900	304 484
		9.3 - 10.9	15.5	7.9	1.5	2.3	1300	1900	304 485
		10.9 - 12.4	17.0	7.9	1.5	2.3	1300	1900	304 486
		12.4 - 14.0	19.0	7.9	1.5	2.3	1300	1900	304 487
4.8	4.9 - 5.0	0.5 - 1.6	8.5	9.5	2.0	2.6	2000	2800	304 540
		1.6 - 4.5	9.5	9.5	2.0	2.6	2000	2800	304 541
		4.8 - 6.4	11.0	9.5	2.0	2.6	2000	2800	304 542
		6.4 - 7.9	13.0	9.5	2.0	2.6	2000	2800	304 543
		7.9 - 9.5	14.5	9.5	2.0	2.6	2000	2800	304 544
		9.5 - 11.1	16.5	9.5	2.0	2.6	2000	2800	304 545
		11.1 - 12.7	18.2	9.5	2.0	2.6	2000	2800	304 546
		14.3 - 15.1	21.0	9.5	2.0	2.6	2000	2800	304 548
15.1 - 21.4	27.5	9.5	2.0	2.6	2000	2800	304 549		
		21.4 - 27.8	34.0	9.5	2.0	2.6	2000	2800	304 589

* Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.

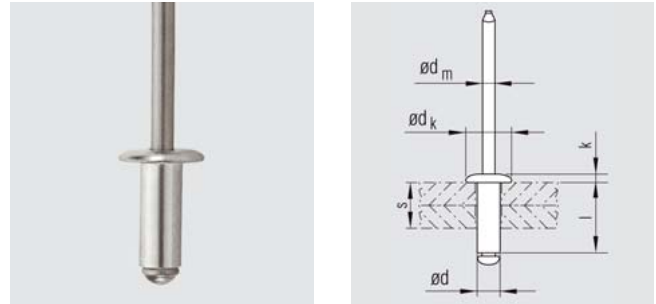
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Aluminium AlMg 3,5

Mandrel: ■ Stainless Steel 1.4541



Nominal size ø d [mm]	Hole ø [mm]	Grip range s [mm]	Sleeve length l ±0.5 [mm]	Head ø dk ±0.3 [mm]	Head Height k ±0.2 [mm]	Mandrel ø dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	3.2 - 4.8	8.0	6.4	1.0	1.8	800	1200	307 372
		4.8 - 6.4	9.7	6.4	1.0	1.8	800	1200	307 373
		6.4 - 7.9	11.5	6.4	1.0	1.8	800	1200	307 374
4.0	4.1 - 4.2	3.2 - 4.8	8.5	7.9	1.3	2.3	1300	1900	307 472
		4.8 - 6.4	10.5	7.9	1.3	2.3	1300	1900	307 473
		6.4 - 7.9	12.2	7.9	1.3	2.3	1300	1900	307 474
		7.9 - 9.5	14.0	7.9	1.3	2.3	1300	1900	307 475
4.8	4.9 - 5.0	2.4 - 3.2	7.5	9.5	1.6	2.6	2000	2800	307 531
		3.2 - 4.8	9.2	9.5	1.6	2.6	2000	2800	307 532
		4.8 - 6.4	11.0	9.5	1.6	2.6	2000	2800	307 533
		6.4 - 7.9	12.7	9.5	1.6	2.6	2000	2800	307 534
		7.9 - 9.5	14.7	9.5	1.6	2.6	2000	2800	307 535
		9.5 - 11.1	16.5	9.5	1.6	2.6	2000	2800	307 536
		11.1 - 13.5	19.0	9.5	1.6	2.6	2000	2800	307 538

* Minimum based on rivet failure

Other types on request.

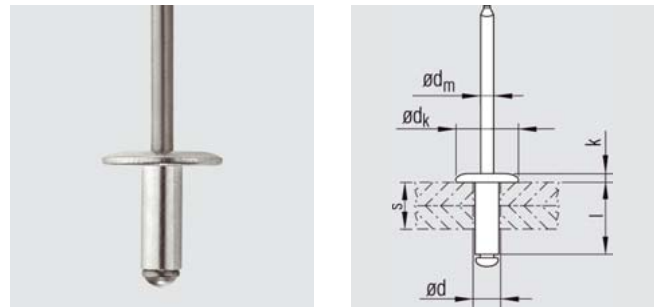
We reserve the right to amend specifications at any time.

Large dome head

Material

Sleeve: ■ Aluminium AlMg 3,5

Mandrel: ■ Stainless Steel 1.4541



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
4.8	4.9 - 5.0	3.2 - 4.8	9.2	11.0	2.0	2.6	2000	2800	307 232
		4.8 - 6.4	11.0	14.3	2.0	2.6	2000	2800	307 193
		6.4 - 7.9	12.7	14.3	2.0	2.6	2000	2800	307 194

* Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.

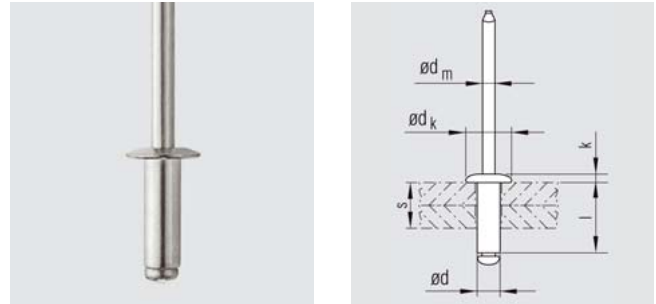
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Aluminium AlMg 2,5

Mandrel: ■ Aluminium



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.5 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.4	2.5	0.8 - 3.2	5.7	4.8	0.8	1.5	400	500	302 130
		3.2 - 6.4	8.9	4.8	0.8	1.5	400	500	302 131
		6.4 - 9.5	12.1	4.8	0.8	1.5	400	500	302 132
3.2	3.3 - 3.4	0.8 - 1.6	4.8	6.3	1.0	1.9	680	1040	302 330
		1.6 - 3.2	6.4	6.3	1.0	1.9	680	1040	302 331
		3.2 - 4.8	8.0	6.3	1.0	1.9	680	1040	302 332
		4.8 - 6.4	9.5	6.3	1.0	1.9	680	1040	302 333
		6.4 - 7.9	11.1	6.3	1.0	1.9	680	1040	302 334
		7.9 - 9.5	12.7	6.3	1.0	1.9	680	1040	302 335
		9.5 - 12.7	15.9	6.3	1.0	1.9	680	1040	302 336
		12.7 - 15.9	19.1	6.3	1.0	1.9	680	1040	302 337
4.0	4.1 - 4.2	1.6 - 3.2	7.0	8.0	1.2	2.4	1000	1550	302 432
		3.2 - 4.8	8.6	8.0	1.2	2.4	1000	1550	302 435
		4.8 - 6.4	10.2	8.0	1.2	2.4	1000	1550	302 433
		6.4 - 9.5	13.3	8.0	1.2	2.4	1000	1550	302 434
		9.5 - 12.7	16.5	8.0	1.2	2.4	1000	1550	302 436
4.8	4.9 - 5.0	1.6 - 3.2	7.6	9.5	1.4	2.9	1400	2220	302 531
		3.2 - 6.4	10.8	9.5	1.4	2.9	1400	2220	302 532
		6.4 - 9.5	14.0	9.5	1.4	2.9	1400	2220	302 533
		9.5 - 12.7	17.1	9.5	1.4	2.9	1400	2220	302 534
		12.7 - 15.9	20.3	9.5	1.4	2.9	1400	2220	302 535
		15.9 - 19.1	23.5	9.5	1.4	2.9	1400	2220	302 536
		22.2 - 25.4	29.8	9.5	1.4	2.9	1400	2220	302 537

* Minimum based on rivet failure

Other types on request.

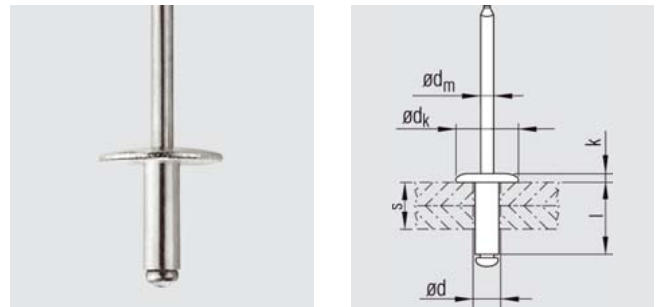
We reserve the right to amend specifications at any time.

Large dome head

Material

Sleeve: ■ Aluminium AlMg 2,5

Mandrel: ■ Aluminium



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.6 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	3.2 - 6.4	9.5	9.5	1.6	1.9	680	1000	306 202
4.0	4.1 - 4.2	4.8 - 6.4	10.2	12.0	1.9	2.4	1000	1500	306 213
4.8	4.9 - 5.0	3.2 - 6.4	10.8	15.9	2.3	2.9	1400	2200	306 221
		6.4 - 9.5	14.0	15.9	2.3	2.9	1400	2200	306 222
		9.5 - 12.7	17.2	15.9	2.3	2.9	1400	2200	306 223
		12.7 - 15.9	20.3	15.9	2.3	2.9	1400	2200	306 224
		15.9 - 19.1	23.5	15.9	2.3	2.9	1400	2200	306 225

* Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.

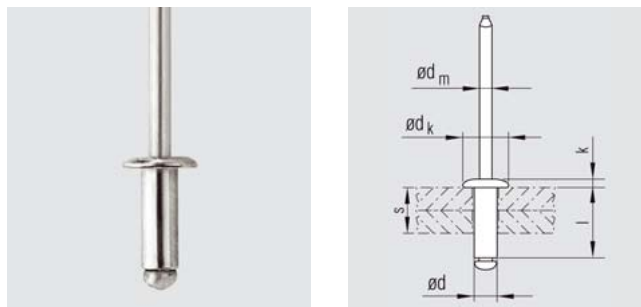
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Steel, zinc, passivate

Mandrel: ■ Steel, zinc



Nominal size $\varnothing d$ [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length $l \pm 0.5$ [mm]	Head \varnothing $dk \pm 0.5$ [mm]	Head Height $k \pm 0.3$ [mm]	Mandrel \varnothing d_m nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.4	2.5	0.5 - 2.9	5.3	4.6	0.8	1.5	700	900	304 701
		3.2 - 6.4	8.9	4.6	0.8	1.5	700	900	304 002
3.0	3.1 - 3.2	0.5 - 2.0	5.0	6.0	1.0	1.8	1100	1400	301 710
		2.0 - 3.5	6.5	6.0	1.0	1.8	1100	1400	301 711
		3.5 - 5.0	8.0	6.0	1.0	1.8	1100	1400	301 712
		5.0 - 7.0	10.0	6.0	1.0	1.8	1100	1400	301 713
		7.0 - 9.0	12.0	6.0	1.0	1.8	1100	1400	301 714
		9.0 - 12.0	15.0	6.0	1.0	1.8	1100	1400	301 715
3.2	3.3 - 3.4	0.5 - 1.6	4.5	6.4	1.0	1.9	1150	1550	304 710
		1.6 - 3.2	6.0	6.4	1.0	1.9	1150	1550	304 711
		3.2 - 4.8	8.0	6.4	1.0	1.9	1150	1550	304 712
		4.8 - 6.4	9.5	6.4	1.0	1.9	1150	1550	306 935
		6.4 - 7.9	11.5	6.4	1.0	1.9	1150	1550	304 714
		7.9 - 9.5	13.5	6.4	1.0	1.9	1150	1550	304 715
4.0	4.1 - 4.2	9.5 - 11.1	15.0	6.4	1.0	1.9	1150	1550	304 716
		0.5 - 1.6	5.0	8.0	1.2	2.3	1730	2500	304 730
		1.6 - 3.2	7.0	8.0	1.2	2.3	1730	2500	306 961
		3.2 - 4.8	8.5	8.0	1.2	2.3	1730	2500	306 932
		4.8 - 6.4	10.5	8.0	1.2	2.3	1730	2500	304 733
		6.4 - 7.9	12.2	8.0	1.2	2.3	1730	2500	304 734
4.8	4.9 - 5.0	7.9 - 9.5	14.0	8.0	1.2	2.3	1730	2500	304 735
		9.5 - 11.1	15.9	8.0	1.2	2.3	1730	2500	304 736
		0.5 - 2.4	6.5	9.5	1.6	2.9	2600	3500	304 750
		2.4 - 3.2	7.5	9.5	1.6	2.9	2600	3500	304 751
		3.2 - 4.8	9.3	9.5	1.6	2.9	2600	3500	304 752
		4.8 - 6.4	11.0	9.5	1.6	2.9	2600	3500	304 753
		6.4 - 7.9	12.7	9.5	1.6	2.9	2600	3500	304 754
		7.9 - 9.5	14.5	9.5	1.6	2.9	2600	3500	304 755
		9.5 - 11.1	16.5	9.5	1.6	2.9	2600	3500	304 756
		12.7 - 13.5	19.0	9.5	1.6	2.9	2600	3500	304 757
5.0	5.1 - 5.2	22.3 - 25.4	29.8	9.5	1.6	2.9	2600	3500	304 058
		2.5 - 4.0	8.0	9.0	1.6	2.9	2800	3700	301 751
		4.0 - 6.0	10.0	9.0	1.6	2.9	2800	3700	301 752
		6.0 - 8.0	12.0	9.0	1.6	2.9	2800	3700	301 753
		8.0 - 10.0	14.0	9.0	1.6	2.9	2800	3700	301 754
		10.0 - 12.0	16.0	9.0	1.6	2.9	2800	3700	301 755

Continued on next page

We reserve the right to amend specifications at any time.

Continued

Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.5 [mm]	Head Height k ± 0.3 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
5.0	5.1 - 5.2	12.0 - 14.0	18.0	9.0	1.6	2.9	2800	3700	301 756
6.0	6.1 - 6.2	4.0 - 6.0	12.0	12.0	2.1	3.7	4200	5500	301 853
		6.0 - 8.0	14.0	12.0	2.1	3.7	4200	5500	301 854
6.4	6.5 - 6.7	0.5 - 3.8	9.5	11.0	1.6	3.9	5000	5700	304 071
		3.8 - 7.6	13.0	11.0	1.6	3.9	5000	5700	304 072
		7.6 - 12.7	18.5	11.0	1.6	3.9	5000	5700	304 073
	6.5 - 6.6	12.7 - 15.9	21.6	12.7	1.6	3.9	5000	5700	304 074¹
		15.9 - 19.1	24.8	12.7	1.6	3.9	5000	5700	304 075¹
		23.2 - 25.4	31.1	12.7	1.6	3.9	5000	5700	304 076¹

* Minimum based on rivet failure

¹ Tolerance of rivet head \varnothing dk $\pm 0,7$

Other types on request.

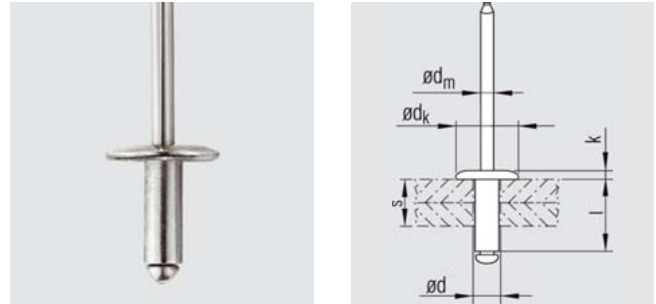
POP® Standard blind rivets

Large dome head

Material

Sleeve: ■ Steel, zinc, passivate

Mandrel: ■ Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k max [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	3.2 - 4.8	8.0	9.5	1.5	1.9	1150	1550	306 012
		4.8 - 6.4	9.8	9.5	1.5	1.9	1150	1550	306 013
4.0	4.1 - 4.2	3.2 - 4.8	8.5	12.0	1.7	2.3	1730	2500	306 032
		4.8 - 6.4	10.5	12.0	1.7	2.3	1730	2500	306 033
		6.4 - 7.9	12.2	12.0	1.7	2.3	1730	2500	306 034
		7.9 - 9.5	14.0	12.0	1.7	2.3	1730	2500	306 035
		9.5 - 11.1	15.9	12.0	1.7	2.3	1730	2500	306 036
4.8	4.9 - 5.0	0.5 - 3.2	7.5	14.0	2.0	2.9	2600	3500	306 051
		3.2 - 4.8	9.3	14.0	2.0	2.9	2600	3500	306 052
		4.8 - 6.4	11.0	14.0	2.0	2.9	2600	3500	306 053
		6.4 - 7.9	12.7	14.0	2.0	2.9	2600	3500	306 054
		7.9 - 9.5	14.5	14.0	2.0	2.9	2600	3500	306 055
		9.5 - 11.1	16.5	14.0	2.0	2.9	2600	3500	306 056
		11.1 - 13.5	19.0	14.0	2.0	2.9	2600	3500	306 057
15.9 - 19.1	23.5	15.9	2.4	2.9	2600	3500	306 187¹		

* Minimum based on rivet failure

¹ Tolerance of rivet head $\varnothing dk \pm 0,7$

Other types on request.

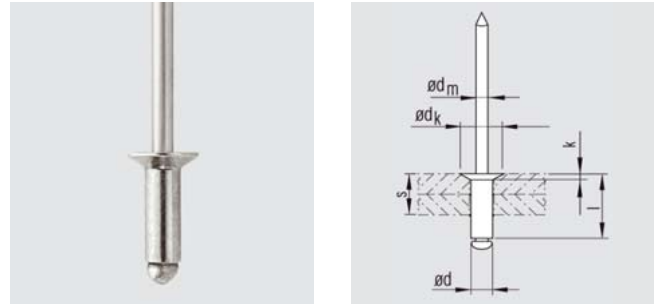
We reserve the right to amend specifications at any time.

Countersunk head 120°

Material

Sleeve: ■ Steel, zinc, passivate

Mandrel: ■ Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.4 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.4	2.5 - 2.6	0.8 - 3.2	6.1	4.7	0.8	1.4	700	1000	304 706
		3.1 - 6.0	8.5	4.7	0.8	1.4	700	1000	304 707
3.2	3.3 - 3.4	0.8 - 2.7	5.4	6.3	1.0	1.9	1100	1500	304 720
		2.7 - 4.3	7.3	6.3	1.0	1.9	1100	1500	304 721
		4.3 - 5.8	9.0	6.3	1.0	1.9	1100	1500	304 722
		5.8 - 7.4	10.8	6.3	1.0	1.9	1100	1500	304 723
		7.4 - 9.0	12.6	6.3	1.0	1.9	1100	1500	304 724
		9.0 - 10.6	14.4	6.3	1.0	1.9	1100	1500	304 725
4.0	4.1 - 4.2	0.5 - 2.9	6.5	8.0	1.5	2.3	1700	2500	304 740
		2.9 - 4.5	8.5	8.0	1.5	2.3	1700	2500	304 741
		4.5 - 6.1	10.0	8.0	1.5	2.3	1700	2500	304 742
		6.1 - 7.7	12.0	8.0	1.5	2.3	1700	2500	304 743
		7.7 - 9.3	13.5	8.0	1.5	2.3	1700	2500	304 744
		9.3 - 10.9	15.5	8.0	1.5	2.3	1700	2500	304 745
4.8	4.9 - 5.0	10.9 - 12.4	17.0	8.0	1.5	2.3	1700	2500	304 746
		0.8 - 2.4	8.4	9.5	1.8	2.9	2600	3500	304 760
		2.4 - 4.8	9.3	9.5	1.8	2.9	2600	3500	304 761
		4.8 - 6.4	11.1	9.5	1.8	2.9	2600	3500	304 762
		6.4 - 7.9	12.8	9.5	1.8	2.9	2600	3500	304 763
		7.9 - 9.5	14.6	9.5	1.8	2.9	2600	3500	304 764
		9.5 - 11.1	16.4	9.5	1.8	2.9	2600	3500	304 765
6.4	6.6	11.1 - 12.7	18.2	9.5	1.8	2.9	2600	3500	304 766
		14.3 - 15.1	21.0	9.5	1.8	2.9	2600	3500	304 767
		0.3 - 3.8	9.5	10.9	1.6	3.9	4700	6500	304 081
		3.8 - 8.9	13.0	10.9	1.6	3.9	4700	6500	304 082
		8.9 - 13.5	18.5	10.9	1.6	3.9	4700	6500	304 083

* Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.

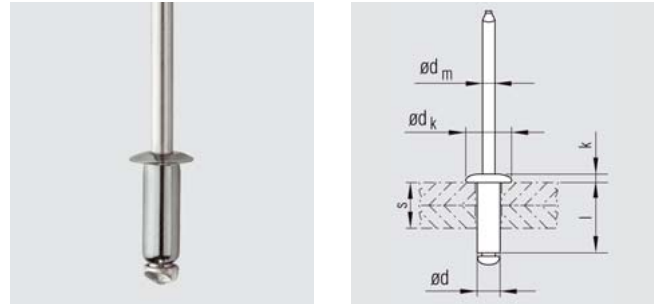
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Nickel/Copper Alloy 70/30, zinc

Mandrel: ■ Steel, zinc



Nominal size $\varnothing d$ [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length $l \pm 0.5$ [mm]	Head \varnothing $d_k \pm 0.3$ [mm]	Head Height k max [mm]	Mandrel \varnothing d_m nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.8	2.9 - 3.0	0.5 - 1.8	5.0	4.9	0.6	1.8	1150	1300	304 210
		1.8 - 2.3	5.5	4.9	0.6	1.8	1150	1300	304 211
3.2	3.3 - 3.4	0.5 - 1.8	5.0	6.0	0.8	1.9	1500	1900	304 310
		1.8 - 3.1	6.2	6.0	0.8	1.9	1500	1900	304 311
		3.1 - 4.3	7.5	6.0	0.8	1.9	1500	1900	304 312
		4.3 - 5.8	9.0	6.0	0.8	1.9	1500	1900	304 313
		5.8 - 7.1	10.3	6.0	0.8	1.9	1500	1900	304 314
4.0	4.1 - 4.2	2.5 - 4.1	7.8	6.8	0.8	2.3	2200	3000	304 412
		4.1 - 5.8	9.5	6.8	0.8	2.3	2200	3000	304 413
		5.8 - 6.6	10.3	6.8	0.8	2.3	2200	3000	304 414
		6.6 - 7.9	11.5	6.8	0.8	2.3	2200	3000	304 415
4.8	4.9 - 5.0	2.3 - 3.8	7.7	8.1	1.3	2.9	3000	3750	304 511
		3.8 - 5.1	9.3	8.1	1.3	2.9	3000	3750	304 512
		5.1 - 5.8	10.0	8.1	1.3	2.9	3000	3750	304 513
		5.8 - 8.6	12.8	8.1	1.3	2.9	3000	3750	304 514
		8.6 - 12.5	16.5	8.1	1.3	2.9	3000	3750	304 515
		12.5 - 15.0	19.0	8.1	1.3	2.9	3000	3750	304 516
6.4	6.5 - 6.7	4.0 - 7.6	12.8	10.8	1.6	3.9	5400	6750	304 611
		8.4 - 13.5	18.0	10.8	1.6	3.9	5400	6750	304 612

* Minimum based on rivet failure

The nickel/copper alloy 70/30 in the POP standard blind rivets is an alloy equivalent to Monel®.

The POP nickel/copper alloy 70/30 sleeves are also zinc plated to further increase the durability of the product.

Other types on request.

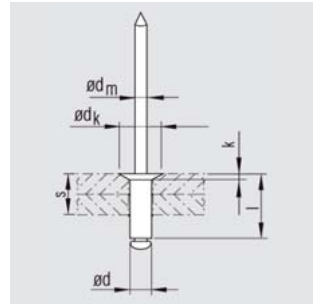
We reserve the right to amend specifications at any time.

Countersunk head 120°

Material

Sleeve:  Nickel/Copper Alloy 70/30, zinc

Mandrel:  Steel, zinc



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k max [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
2.8	2.9 - 3.0	2.3 - 2.8	6.0	5.0	1.0	1.8	1150	1300	304 221
3.2	3.3 - 3.4	0.8 - 2.5	5.8	6.0	1.0	1.9	1500	1900	304 320
		2.5 - 3.8	7.0	6.0	1.0	1.9	1500	1900	304 321
		3.8 - 5.1	8.5	6.0	1.0	1.9	1500	1900	304 322
		5.1 - 6.6	10.0	6.0	1.0	1.9	1500	1900	304 323
		6.6 - 7.9	11.2	6.0	1.0	1.9	1500	1900	304 324
4.0	4.1 - 4.2	2.0 - 3.3	7.2	6.9	1.1	2.3	2200	3000	304 421
		3.3 - 4.8	8.7	6.9	1.1	2.3	2200	3000	304 422
		4.8 - 6.6	10.5	6.9	1.1	2.3	2200	3000	304 423
		6.6 - 7.4	11.3	6.9	1.1	2.3	2200	3000	304 424
		7.4 - 8.6	12.5	6.9	1.1	2.3	2200	3000	304 425
4.8	4.9 - 5.0	3.1 - 4.6	9.0	8.3	1.3	2.9	3300	3750	304 521
		4.6 - 5.8	10.5	8.3	1.3	2.9	3300	3750	304 522
		5.8 - 6.6	11.0	8.3	1.3	2.9	3300	3750	304 523
		6.6 - 9.4	14.0	8.3	1.3	2.9	3300	3750	304 524
		9.4 - 13.2	18.0	8.3	1.3	2.9	3300	3750	304 525
		13.2 - 15.8	20.5	8.3	1.3	2.9	3300	3750	304 526
6.4	6.5 - 6.7	4.6 - 8.4	14.5	11.0	1.8	3.9	5400	6750	304 621
		6.6 - 6.7	8.4 - 13.5	19.4	11.0	1.8	5400	6750	304 622

* Minimum based on rivet failure

The nickel/copper alloy 70/30 in the POP standard blind rivets is an alloy equivalent to Monel®.

The POP nickel/copper alloy 70/30 sleeves are also zinc plated to further increase the durability of the product.

Other types on request.

We reserve the right to amend specifications at any time.

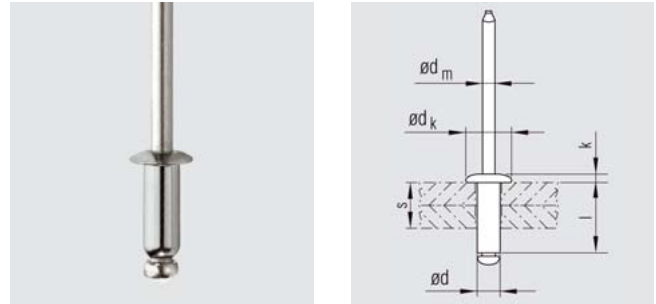
POP® Standard blind rivets

Dome head

Material

Sleeve: ■ Nickel/Copper Alloy 70/30, zinc

Mandrel: ■ Stainless Steel 1.4303



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k max [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	1.8 - 3.1	6.2	6.0	0.8	1.9	1500	1900	307 351
		3.1 - 4.3	7.5	6.0	0.8	1.9	1500	1900	307 352
		4.3 - 5.8	9.0	6.0	0.8	1.9	1500	1900	307 353
		5.8 - 7.1	10.3	6.0	0.8	1.9	1500	1900	307 354
4.0	4.1 - 4.2	1.3 - 2.5	6.2	6.7	1.2	2.3	2200	3000	307 411
		2.5 - 4.1	7.8	6.7	1.2	2.3	2200	3000	307 412
		4.1 - 5.9	9.5	6.7	1.2	2.3	2200	3000	307 413
		5.8 - 6.6	10.3	6.7	1.2	2.3	2200	3000	307 414
		6.6 - 7.9	11.5	6.7	1.2	2.3	2200	3000	307 415
4.8	4.9 - 5.0	0.5 - 2.3	6.2	8.1	1.3	2.9	3300	3750	307 510
		2.3 - 3.8	7.7	8.1	1.3	2.9	3300	3750	307 511
		3.8 - 5.1	9.3	8.1	1.3	2.9	3300	3750	307 512
		5.1 - 5.8	10.0	8.1	1.3	2.9	3300	3750	307 513
		5.8 - 8.6	12.8	8.1	1.3	2.9	3300	3750	307 514
		8.6 - 12.5	16.5	8.1	1.3	2.9	3300	3750	307 515
		12.5 - 15.0	19.0	8.1	1.3	2.9	3300	3750	307 516

* Minimum based on rivet failure

The nickel/copper alloy 70/30 in the POP standard blind rivets is an alloy equivalent to Monel®.

The POP nickel/copper alloy 70/30 sleeves are also zinc plated to further increase the durability of the product.

Other types on request.

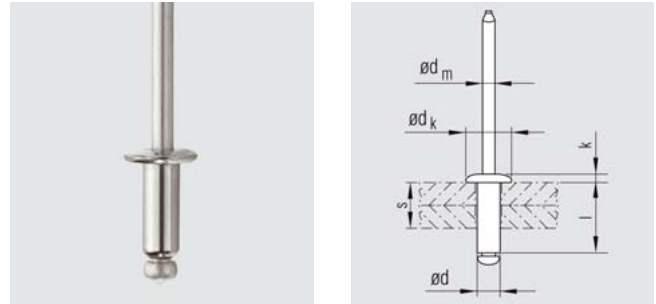
We reserve the right to amend specifications at any time.

Dome head

Material

Sleeve:  Stainless Steel 1.4303

Mandrel:  Stainless Steel 1.4541



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.5 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	3.2 - 4.8	8.0	6.4	0.9	1.9	2400	3000	303 312
		4.8 - 6.4	9.5	6.4	0.9	1.9	2400	3000	303 313
		6.4 - 9.5	12.7	6.4	0.9	1.9	2400	3000	303 314
		9.5 - 12.7	15.9	6.4	0.9	1.9	2400	3000	303 315
4.0	4.1 - 4.2	1.6 - 3.2	7.0	8.0	1.1	2.4	4000	5000	303 411
		3.2 - 6.4	10.2	8.0	1.1	2.4	4000	5000	303 412
		6.4 - 9.5	13.3	8.0	1.1	2.4	4000	5000	303 413
4.8	4.9 - 5.0	1.6 - 3.2	7.6	9.5	1.3	2.9	4400	6100	303 511
		3.2 - 6.4	10.8	9.5	1.3	2.9	4400	6100	303 512
		6.4 - 9.5	14.0	9.5	1.3	2.9	4400	6100	303 513
		9.5 - 12.7	17.2	9.5	1.3	2.9	4400	6100	303 514

* Minimum based on rivet failure

Other types on request.

We reserve the right to amend specifications at any time.

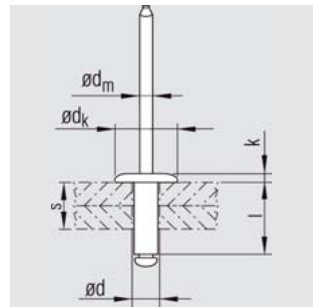
POP® Standard blind rivets

Large dome head

Material

Sleeve:  Stainless Steel 1.4303

Mandrel:  Stainless Steel 1.4541



Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	1.6 - 3.2	6.4	9.9	1.5	1.9	2400	3000	303 930
		4.8 - 6.4	9.5	9.9	1.5	1.9	2400	3000	303 932

* Minimum based on rivet failure

Other types on request.

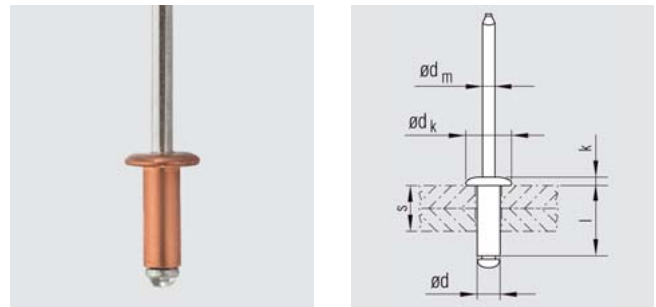
We reserve the right to amend specifications at any time.

Dome head

Material

Sleeve: ■ Copper

Mandrel: ■ Steel, zinc



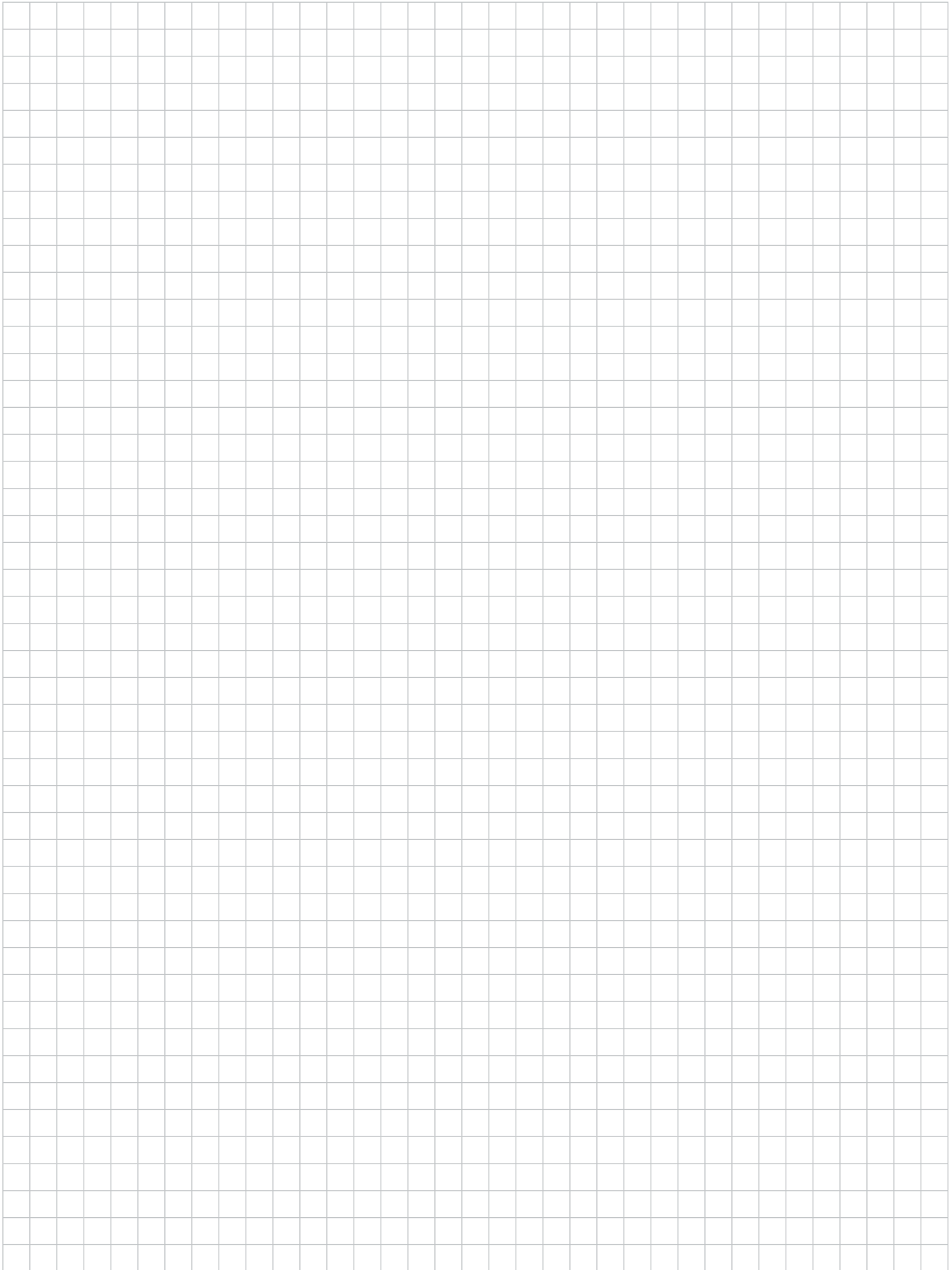
Nominal size \varnothing d [mm]	Hole \varnothing [mm]	Grip range s [mm]	Sleeve length l ± 0.5 [mm]	Head \varnothing dk ± 0.3 [mm]	Head Height k ± 0.2 [mm]	Mandrel \varnothing dm nom [mm]	Strength shear nominal* [N]	Strength tensile nominal* [N]	Part No.
3.2	3.3 - 3.4	2.1 - 2.9	6.3	6.2	1.0	1.8	800	1200	304 971
		2.9 - 4.5	8.0	6.2	1.0	1.8	800	1200	304 972
4.0	4.1 - 4.2	0.5 - 3.2	7.0	8.0	1.2	2.3	1300	1900	304 961

* Minimum based on rivet failure

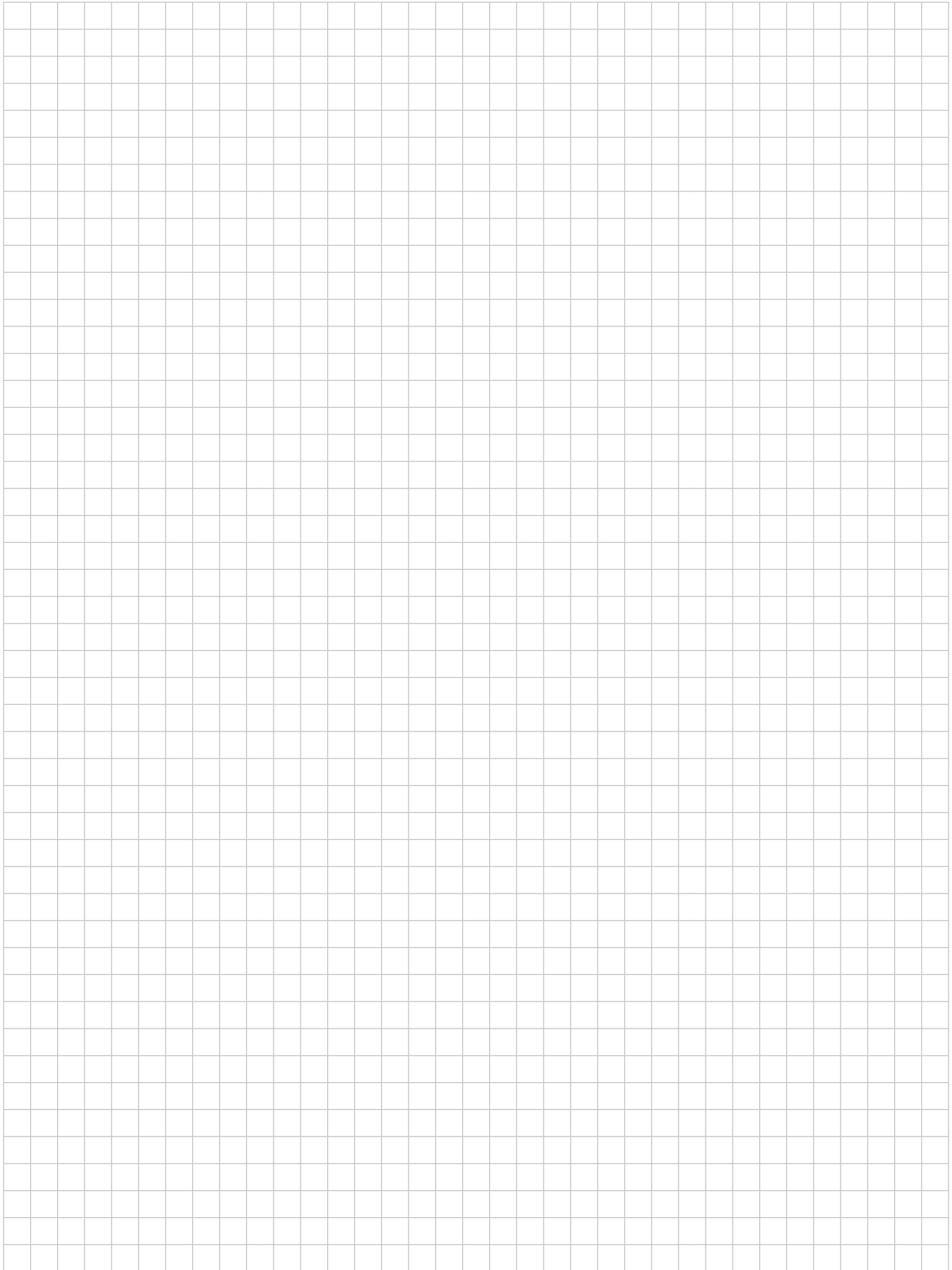
Other types on request.

We reserve the right to amend specifications at any time.

NOTES



NOTES



All rights reserved.

The technical data quoted in this catalogue, performance descriptions, recommendations and instructions e.g. for the installation of the components available from us, are without liability. These are based on our experience.

Claims against us as a consequence are expressly excluded as much of the application of our goods remains outside our direct influence.

It is a fundamental obligation of the user to ascertain and to decide whether the goods provided by us are appropriate for a particular application.

This catalogue is our intellectual property! Disclosure to third parties is prohibited.

Reproduction – even in part – as well as use of our illustrations and TITGEMEYER part-numbering systems is only permitted with our express permission in writing.

Subject to change.

Supply of goods is in conformity with our delivery and payment conditions.

Gebr. TITGEMEYER GmbH & Co. KG

Osnabrück



■ **Gebr. Titgemeyer GmbH & Co. KG**

■ Hannoversche Straße 97

■ (Navigation: Hettlicher Masch 2)

■ 49084 Osnabrück, Germany

P.O. Box 4320

49033 Osnabrück, Germany

Phone: +49 (0)541/5822-0

Fax: +49 (0)541/5822-491

email: fasteners@titgemeyer.com

www.titgemeyer.com