

 **RIVETING CZ**

KATALOG TRHACÍCH NÝTŮ

| | | | | | | |
|---------------|--------------------|--------------|-----------|--------------------|------------|----|
| Multi grip | MFX 1001 | PLIA | DH | Alu./Steel | 3 | |
| | MFX 1002 | PLIA | LH | Alu./Steel | 4 | |
| | MFX 1003 | PLIA | ELH | Alu./Steel | 5 | |
| | MFX 1004 | PLIA | CSH | Alu./Steel | 6 | |
| | MFX 1171 | PLIA | DH | Alu.(white)/Steel | 7 | |
| | MFX 1181 | PLIA | DH | Alu.(black)/Steel | 8 | |
| | MFX 1441 | PLIA | DH | Alu./Stainl. | 9 | |
| | MFX 1443 | PLIA | ELH | Alu./Stainl. | 10 | |
| | MFX 1444 | PLIA | CSH | Alu./Stainl. | 11 | |
| | MFX 1451 | PLIA | DH | Stainl./Stainl. | 12 | |
| | MFX 1461 | PLIA | DH | Steel/Steel | 13 | |
| | Standard open type | MFX 1031 | Open type | DH | Alu./Steel | 14 |
| | | MFX 1032 | Open type | LH | Alu./Steel | 17 |
| MFX 1033 | | Open type | ELH | Alu./Steel | 18 | |
| MFX 1034 | | Open type | CSH | Alu./Steel | 19 | |
| MFX 1021 | | Open type | DH | Alu./Alu. | 20 | |
| MFX 1071 | | Open type | DH | Alu./Stainl. | 21 | |
| MFX 1041 | | Open type | DH | Steel/Steel | 22 | |
| MFX 1044 | | Open type | CSH | Steel/Steel | 24 | |
| MFX 1051 | | Open type | DH | Stainl./Stainl. | 25 | |
| MFX 1052 | | Open type | LH | Stainl./Stainl. | 26 | |
| MFX 1541 | | Open type | DH | Stainl./Stainl. A4 | 27 | |
| MFX 1054 | | Open type | CSH | Stainl./Stainl. | 28 | |
| MFX 1101 | | Open type | DH | Copper/Steel | 29 | |
| MFX 1151 | | Open type | DH | Copper/Bronze | 30 | |
| Specials | | MFX 1301 | Peel type | DH | Alu./Steel | 31 |
| | MFX 1361 | TRIFORM | DH | Alu./Alu. | 32 | |
| | MFX 1601 | Grooved type | DH | Alu./Steel | 33 | |
| | MFX 1803 | HAMMERDRIVE | ELH | Alu./Stainl. | 34 | |
| Closed end | MFX 1201 | Closed end | DH | Alu./Steel | 35 | |
| | MFX 1204 | Closed end | CSH | Alu./Steel | 36 | |
| | MFX 1211 | Closed end | DH | Alu./Alu. | 37 | |
| | MFX 1231 | Closed end | DH | Alu./Stainl. | 38 | |
| | MFX 1234 | Closed end | CSH | Alu./Stainl. | 39 | |
| | MFX 1241 | Closed end | DH | Steel/Steel | 40 | |
| | MFX 1261 | Closed end | DH | Stainl./Stainl. | 41 | |
| | MFX 1251 | Closed end | DH | Copper/Steel | 42 | |
| | MFX 1281 | Closed end | DH | Copper/Stainl. | 43 | |
| High strength | MFX 1611 | MASTERBULB | DH | Stainl./Stainl. | 44 | |
| | MFX 1621 | MASTERBULB | DH | Steel/Steel | 45 | |
| | MFX 1761 | P-LOCK | DH | Steel/Steel | 46 | |
| | MFX 1471 | MASTERLOCK | DH | Steel/Steel | 47 | |
| | MFX 1474 | MASTERLOCK | CSH | Steel/Steel | 48 | |
| | MFX 1511 | MASTERLOCK | DH | Alu./Alu. | 49 | |
| MFX 1514 | MASTERLOCK | CSH | Alu./Alu. | 50 | | |

DH dome head
LH large head
ELH extra large head
CSH countersunk head

MFX 1001



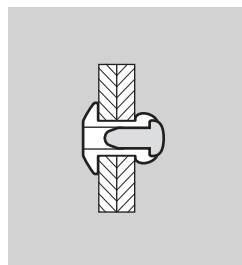
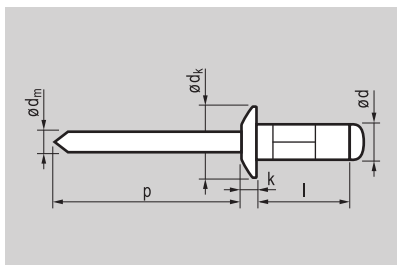
Aluminium [AlMg2,5]

Polished



Steel

Zinc plated



PLIA | multigrip | dome head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|-----------|-----------|-----------|------------------|------|------------------|------|-------|-------|
| [mm] | [+1/-0,2] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 0,5-3,0 | *10013006 | | | | | | |
| [+0,05/-0,13] | 8,0 | 0,5-5,0 | *3008 | 6,0 | ≤1,4 | ~1,70 | ≥27 | 655 | 520 |
| | 10,0 | 2,5-7,0 | *3010 | [+/-0,24] | | | | | |
| Ø 3,1 [3,3 max] | 12,0 | 4,5-9,0 | 3012 | | | | | | |
| 3,2 | 6,0 | 0,5-3,0 | 10013206 | | | | | | |
| [+0,05/-0,13] | 8,0 | 0,5-5,0 | 3208 | | | | | | |
| | 9,5 | 2,0-6,5 | 3209 | | | | | | |
| Ø 3,3 [3,5 max] | 10,0 | 2,5-7,0 | 3210 | | | | | | |
| | 11,1 | 3,5-8,0 | 3211 | 6,0 | ≤1,4 | ~1,78 | ≥27 | 980 | 680 |
| | 12,0 | 4,5-9,0 | 3212 | [+/-0,24] | | | | | |
| | 12,7 | 5,5-9,5 | 3213 | | | | | | |
| | 14,0 | 6,5-11,0 | 3214 | | | | | | |
| | 16,0 | 8,5-13,0 | 3216 | | | | | | |
| 4,0 | 6,0 | 0,5-2,5 | *10014006 | | | | | | |
| [+0,05/-0,13] | 8,0 | 0,5-4,5 | *4008 | | | | | | |
| | 9,5 | 1,0-6,0 | 4009 | | | | | | |
| Ø 4,1 [4,3 max] | 10,0 | 1,5-6,5 | *4010 | | | | | | |
| | 12,0 | 3,5-8,5 | *4012 | | | | | | |
| | 12,7 | 4,0-9,5 | 4013 | 8,0 | ≤1,7 | ~2,18 | ≥27 | 1.600 | 1.150 |
| | 14,0 | 5,5-10,5 | *4014 | [+/-0,29] | | | | | |
| | 16,0 | 7,5-12,5 | *4016 | | | | | | |
| | 17,0 | 8,5-13,5 | 4017 | | | | | | |
| | 18,0 | 9,5-14,5 | *4018 | | | | | | |
| | 20,0 | 11,5-16,5 | 4020 | | | | | | |
| 4,8 | 10,0 | 0,5-5,0 | *10014810 | | | | | | |
| [+0,05/-0,13] | 10,3 | 0,5-5,5 | 4811 | | | | | | |
| | 12,0 | 2,0-7,0 | *4812 | | | | | | |
| Ø 4,9 [5,2 max] | 14,0 | 4,0-9,0 | *4814 | | | | | | |
| | 15,1 | 5,0-10,5 | 4815 | | | | | | |
| | 16,0 | 6,0-11,0 | *4816 | 9,5 | ≤2,0 | ~2,78 | ≥27 | 2.350 | 1.500 |
| | 17,0 | 7,0-12,0 | 4817 | [+/-0,29] | | | | | |
| | 18,0 | 8,0-13,0 | *4818 | | | | | | |
| | 20,0 | 10,0-15,0 | *4820 | | | | | | |
| | 22,0 | 12,0-17,0 | 4822 | | | | | | |
| | 24,0 | 14,0-19,0 | 4824 | | | | | | |
| | 24,8 | 14,5-19,5 | *4825 | | | | | | |

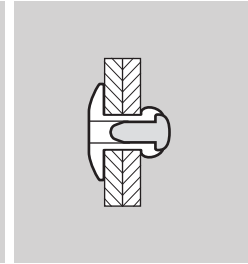
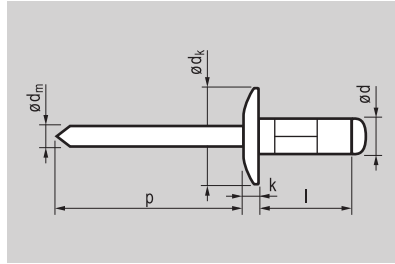
MFX 1002



Aluminium [AlMg2,5]
Polished



Steel
Zinc plated



PLIA | multigrip | large head

| Ø d | l [+1/-0,2] | | *Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|----------------|-----------|-----------|-------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 8,0 | 05,-5,0 | 10023208 | | | | | | |
| [+0,05/-0,13] | 9,5 | 2,0-6,5 | 3209 | | | | | | |
| | 10,0 | 2,5-7,0 | 3210 | | | | | | |
| Ø 3,3 [3,5 max] | 11,1 | 3,5-8,0 | 3211 | 9,5 [+0/-0,5] | ≤2,0 | ~1,78 | ≥27 | 980 | 680 |
| | 12,0 | 4,5-9,0 | 3212 | | | | | | |
| | 14,0 | 6,5-11,0 | 3214 | | | | | | |
| | 16,0 | 8,5-13,0 | 3216 | | | | | | |
| 4,0 | 8,0 | 0,5-4,5 | 10024008 | | | | | | |
| [+0,05/-0,13] | 10,0 | 1,5-6,5 | 4010 | | | | | | |
| | 11,1 | 2,5-7,5 | 4011 | | | | | | |
| Ø 4,1 [4,3 max] | 12,0 | 3,5-8,5 | 4012 | | | | | | |
| | 12,7 | 4,0-9,5 | 4013 | 12,0 [+0/-0,5] | ≤2,5 | ~2,18 | ≥27 | 1.600 | 1.150 |
| | 14,0 | 5,5-10,5 | 4014 | | | | | | |
| | 16,0 | 7,5-12,5 | 4016 | | | | | | |
| | 17,0 | 8,5-13,5 | 4017 | | | | | | |
| | 18,0 | 9,5-14,5 | 4018 | | | | | | |
| | 20,0 | 11,5-16,5 | 4020 | | | | | | |
| 4,8 | 10,0 | 0,5-5,0 | *10024810 | | | | | | |
| [+0,05/-0,13] | 12,0 | 2,0-7,0 | *4812 | | | | | | |
| | 14,0 | 4,0-9,0 | *4814 | | | | | | |
| Ø 4,9 [5,2 max] | 16,0 | 6,0-11,0 | *4816 | 14,0 [+0/-0,5] | ≤2,5 | ~2,78 | ≥27 | 2.350 | 1.500 |
| | 18,0 | 8,0-13,0 | *4818 | | | | | | |
| | 20,0 | 10,0-15,0 | *4820 | | | | | | |

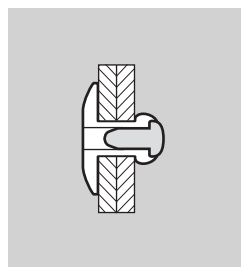
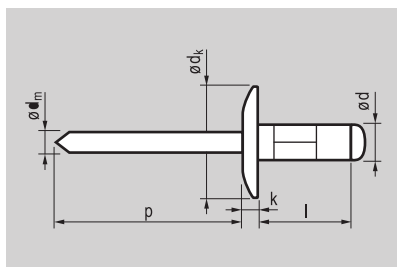
MFX 1003



Aluminium [AlMg2,5]
Polished



Steel
Zinc plated




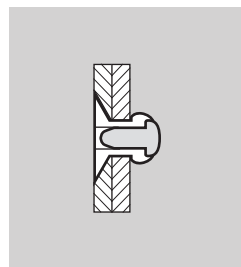
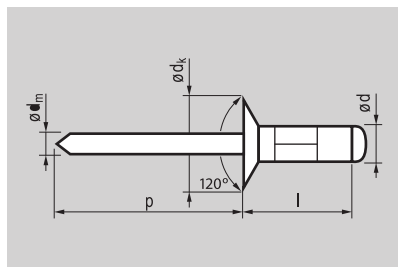
PLIA | multigrip | extra large head

| Ø d | l | | Item nr. | Ø dk | k | Ø dm | p | | |
|-----------------|------|-----------|----------|-------------|------|-------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,8 | 10,0 | 0,5-5,0 | 10034810 | | | | | | |
| [+0,05/-0,13] | 10,3 | 0,5-5,5 | 4811 | | | | | | |
| | 12,0 | 2,0-7,0 | 4812 | | | | | | |
| Ø 4,9 [5,2 max] | 14,0 | 4,0-9,0 | 4814 | | | | | | |
| | 16,0 | 6,0-11,0 | 4816 | | | | | | |
| | 17,0 | 7,0-12,0 | 4817 | | | | | | |
| | 18,0 | 8,0-13,0 | 4818 | 16,0 | ≤2,5 | ~2,78 | ≥27 | 2.350 | 1.500 |
| | 20,0 | 10,0-15,0 | 4820 | [+0,5/-0,8] | | | | | |
| | 22,0 | 12,0-17,0 | 4822 | | | | | | |
| | 24,0 | 14,0-19,0 | 4824 | | | | | | |
| | 24,8 | 14,5-19,5 | 4825 | | | | | | |
| | 27,0 | 16,0-22,0 | 4827 | | | | | | |







MFX 1004

 Aluminium [AlMg2,5]
Polished

 Steel
Zinc plated



PLIA | multigrip | countersunk head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 8,0 | 1,5-5,0 | 10043208 | 6,0 [+/-0,24] | - | ~1,78 | ≥27 | 980 | 680 |
| [+0,05/-0,13] | 9,7 | 2,5-6,5 | 3209 | | | | | | |
|  | 10,0 | 2,5-7,0 | 3210 | | | | | | |
| Ø 3,3 [3,5 max] | 12,0 | 4,5-9,0 | 3212 | | | | | | |
| 4,0 | 8,0 | 1,5-4,5 | 10044008 | 8,0 [+/-0,29] | - | ~2,18 | ≥27 | 1.600 | 1.150 |
| [+0,05/-0,13] | 10,0 | 1,5-6,5 | 4010 | | | | | | |
|  | 11,3 | 2,5-7,5 | 4011 | | | | | | |
| Ø 4,1 [4,3 max] | 12,0 | 3,5-8,5 | 4012 | | | | | | |
| | 14,0 | 5,5-10,5 | 4014 | | | | | | |
| 4,8 | 10,0 | 1,5-5,0 | 10044810 | 9,5 [+/-0,29] | - | ~2,78 | ≥27 | 2.350 | 1.500 |
| [+0,05/-0,13] | 12,0 | 2,0-7,0 | 4812 | | | | | | |
|  | 14,0 | 4,0-9,0 | 4814 | | | | | | |
| Ø 4,9 [5,2 max] | 16,0 | 6,0-11,0 | 4816 | | | | | | |
| | 16,9 | 7,0-12,0 | 4817 | | | | | | |

MFX 1171



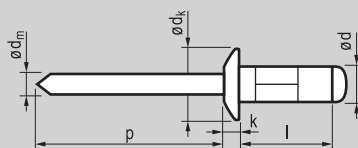
Aluminium [AlMg2,5]

Polished



Steel

Zinc plated



PLIA | multigrip | dome head white

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|-----------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [+1/-0,2] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,0 | 0,5-3,0 | 11713206 | 6,0 [+/-0,24] | ≤1,4 | ~1,78 | ≥27 | 980 | 680 |
| [+0,05/-0,13] | 8,0 | 0,5-5,0 | 3208 | | | | | | |
| | 9,5 | 2,0-6,5 | 3209 | | | | | | |
| Ø 3,3 [3,5 max] | 10,0 | 2,5-7,0 | 3210 | | | | | | |
| | 11,1 | 3,5-8,0 | 3211 | | | | | | |
| | 12,0 | 4,5-9,0 | 3212 | | | | | | |
| | 12,7 | 5,5-9,5 | 3213 | | | | | | |
| | 14,0 | 6,5-11,0 | 3214 | | | | | | |
| | 16,0 | 8,5-13,0 | 3216 | | | | | | |
| 4,0 | 6,0 | 0,5-2,5 | 11714006 | 8,0 [+/-0,29] | ≤1,7 | ~2,18 | ≥27 | 1.600 | 1.150 |
| [+0,05/-0,13] | 8,0 | 0,5-4,5 | 4008 | | | | | | |
| | 9,5 | 1,0-6,0 | 4009 | | | | | | |
| Ø 4,1 [4,3 max] | 10,0 | 1,5-6,5 | 4010 | | | | | | |
| | 12,0 | 3,5-8,5 | 4012 | | | | | | |
| | 12,7 | 4,0-9,5 | 4013 | | | | | | |
| | 14,0 | 5,5-10,5 | 4014 | | | | | | |
| | 16,0 | 7,5-12,5 | 4016 | | | | | | |
| | 17,0 | 8,5-13,5 | 4017 | | | | | | |
| | 18,0 | 9,5-14,5 | 4018 | | | | | | |
| | 20,0 | 11,5-16,5 | 4020 | | | | | | |
| 4,8 | 10,0 | 0,5-5,0 | 11714810 | 9,5 [+/-0,29] | ≤2,0 | ~2,78 | ≥27 | 2.350 | 1.500 |
| [+0,05/-0,13] | 10,3 | 0,5-5,5 | 4811 | | | | | | |
| | 12,0 | 2,0-7,0 | 4812 | | | | | | |
| Ø 4,9 [5,2 max] | 14,0 | 4,0-9,0 | 4814 | | | | | | |
| | 15,1 | 5,0-10,5 | 4815 | | | | | | |
| | 16,0 | 6,0-11,0 | 4816 | | | | | | |
| | 17,0 | 7,0-12,0 | 4817 | | | | | | |
| | 18,0 | 8,0-13,0 | 4818 | | | | | | |
| | 20,0 | 10,0-15,0 | 4820 | | | | | | |
| | 22,0 | 12,0-17,0 | 4822 | | | | | | |
| | 24,0 | 14,0-19,0 | 4824 | | | | | | |
| | 24,8 | 14,5-19,5 | 4825 | | | | | | |

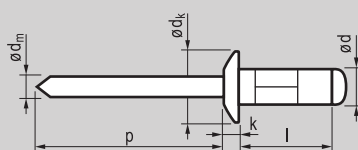
MFX 1181



Aluminium [AlMg2,5]
Polished



Steel
Zinc plated



PLIA | multigrip | dome head black

| Ø d | l [+1/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|----------------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,0 | 0,5-3,0 | 11813206 | 6,0 [+/-0,24] | ≤1,4 | ~1,78 | ≥27 | 980 | 680 |
| [+0,05/-0,13] | 8,0 | 0,5-5,0 | 3208 | | | | | | |
| | 9,5 | 2,0-6,5 | 3209 | | | | | | |
| Ø 3,3 [3,5 max] | 10,0 | 2,5-7,0 | 3210 | | | | | | |
| | 11,1 | 3,5-8,0 | 3211 | | | | | | |
| | 12,0 | 4,5-9,0 | 3212 | | | | | | |
| | 12,7 | 5,5-9,5 | 3213 | | | | | | |
| | 14,0 | 6,5-11,0 | 3214 | | | | | | |
| | 16,0 | 8,5-13,0 | 3216 | | | | | | |
| 4,0 | 6,0 | 0,5-2,5 | 11814006 | 8,0 [+/-0,29] | ≤1,7 | ~2,18 | ≥27 | 1.600 | 1.150 |
| [+0,05/-0,13] | 8,0 | 0,5-4,5 | 4008 | | | | | | |
| | 9,5 | 1,0-6,0 | 4009 | | | | | | |
| Ø 4,1 [4,3 max] | 10,0 | 1,5-6,5 | 4010 | | | | | | |
| | 12,0 | 3,5-8,5 | 4012 | | | | | | |
| | 12,7 | 4,0-9,5 | 4013 | | | | | | |
| | 14,0 | 5,5-10,5 | 4014 | | | | | | |
| | 16,0 | 7,5-12,5 | 4016 | | | | | | |
| | 17,0 | 8,5-13,5 | 4017 | | | | | | |
| | 18,0 | 9,5-14,5 | 4018 | | | | | | |
| | 20,0 | 11,5-16,5 | 4020 | | | | | | |
| 4,8 | 10,0 | 0,5-5,0 | 11814810 | 9,5 [+/-0,29] | ≤2,0 | ~2,78 | ≥27 | 2.350 | 1.500 |
| [+0,05/-0,13] | 10,3 | 0,5-5,5 | 4811 | | | | | | |
| | 12,0 | 2,0-7,0 | 4812 | | | | | | |
| Ø 4,9 [5,2 max] | 14,0 | 4,0-9,0 | 4814 | | | | | | |
| | 15,1 | 5,0-10,5 | 4815 | | | | | | |
| | 16,0 | 6,0-11,0 | 4816 | | | | | | |
| | 17,0 | 7,0-12,0 | 4817 | | | | | | |
| | 18,0 | 8,0-13,0 | 4818 | | | | | | |
| | 20,0 | 10,0-15,0 | 4820 | | | | | | |
| | 22,0 | 12,0-17,0 | 4822 | | | | | | |
| | 24,0 | 14,0-19,0 | 4824 | | | | | | |
| | 24,8 | 14,5-19,5 | 4825 | | | | | | |

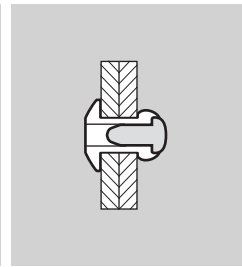
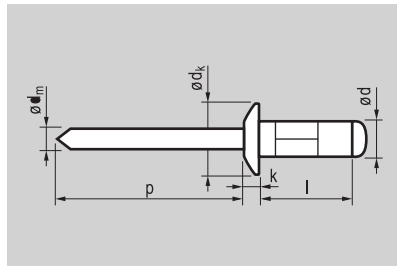
MFX 1441



Aluminium [AlMg2,5]
Polished



Stainless steel [A2]
Polished



PLIA | multigrip | dome head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|-----------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [+1/-0,2] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 8,0 | 0,5-5,0 | 14413208 | | | | | | |
| [+0,05/-0,13] | 9,5 | 2,0-6,5 | 3209 | 6,0 | ≤1,4 | ~1,78 | ≥27 | 980 | 680 |
| | 11,1 | 3,5-8,0 | 3211 | [+/-0,24] | | | | | |
| Ø 3,3 [3,5 max] | | | | | | | | | |
| 4,0 | 9,5 | 1,0-6,0 | 14414009 | | | | | | |
| [+0,05/-0,13] | 12,7 | 4,0-9,5 | 4012 | 8,0 | ≤1,7 | ~2,18 | ≥27 | 1.600 | 1.150 |
| | 16,9 | 8,5-13,5 | 4016 | [+/-0,29] | | | | | |
| Ø 4,1 [4,3 max] | | | | | | | | | |
| 4,8 | 10,3 | 0,5-5,5 | 14414810 | | | | | | |
| [+0,05/-0,13] | 15,1 | 5,0-10,5 | 4815 | 9,5 | ≤2,0 | ~2,78 | ≥27 | 2.350 | 1.500 |
| | 16,9 | 7,0-12,0 | 4816 | [+/-0,29] | | | | | |
| Ø 4,9 [5,2 max] | 24,8 | 14,5-19,5 | 4824 | | | | | | |

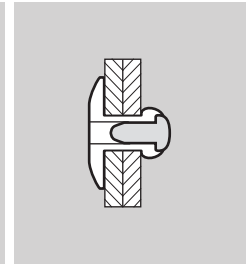
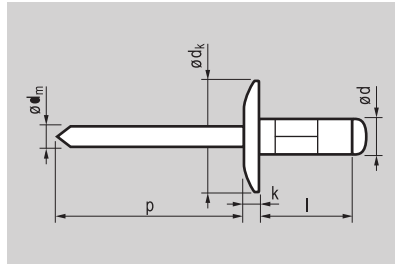
MFX 1443



Aluminium [AlMg2,5]
Polished



Stainless steel [A2]
Polished




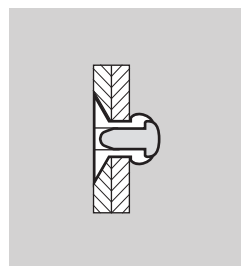
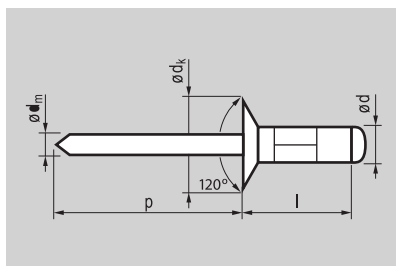
PLIA | multigrip | extra large head

| Ø d | l [+1/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|----------------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 8,0 | 0,5-5,0 | 14433208 | | | | | | |
| [+0,05/-0,13] | 9,5 | 2,0-6,5 | 3209 | 9,5 | ≤2,0 | ~1,78 | ≥27 | 980 | 680 |
| | 11,1 | 3,5-8,0 | 3211 | [+0/-0,5] | | | | | |
| Ø 3,3 [3,5 max] | | | | | | | | | |
| 4,0 | 12,7 | 4,0-9,5 | 14434012 | | | | | | |
| [+0,05/-0,13] | 16,9 | 8,5-13,5 | 4016 | 12,0 | ≤2,5 | ~2,18 | ≥27 | 1.600 | 1.150 |
| | | | | [+0/-0,5] | | | | | |
| Ø 4,1 [4,3 max] | | | | | | | | | |
| 4,8 | 10,3 | 0,5-5,5 | 14434810 | | | | | | |
| [+0,05/-0,13] | 16,9 | 7,0-12,0 | 4816 | 16,0 | ≤2,5 | ~2,78 | ≥27 | 2.350 | 1.500 |
| | 24,8 | 14,5-19,5 | 4824 | [+0/-0,5] | | | | | |
| Ø 4,9 [5,2 max] | | | | | | | | | |







MFX 1444

 Aluminium [AlMg2,5]
Polished

 Stainless steel [A2]
Polished



PLIA | multigrip | countersunk head

| Ø d | l [+1/-0,2] |  | Item nr. | Ø d _k | k | Ø d _m | p |  |  |
|---|----------------|---|------------------|------------------|------|------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 [+0,05/-0,13]  Ø 3,3 [3,5 max] | 9,7 | 2,0-6,5 | 14443209 | 6,0 [+/-0,24] | - | ~1,78 | ≥27 | 980 | 680 |
| 4,0 [+0,05/-0,13]  Ø 4,1 [4,3 max] | 9,5 11,3 | 1,5-6,0 3,0-8,0 | 14444009 4011 | 7,5 [+/-0,29] | - | ~2,18 | ≥27 | 1.600 | 1.150 |
| 4,8 [+0,05/-0,13]  Ø 4,9 [5,2 max] | 12,1 16,9 | 2,0-7,0 7,0-12,0 | 14444812 4816 | 9,0 [+/-0,29] | - | ~2,78 | ≥27 | 2.350 | 1.500 |

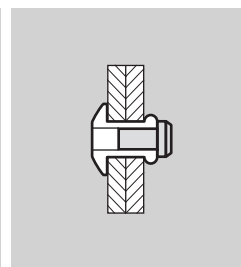
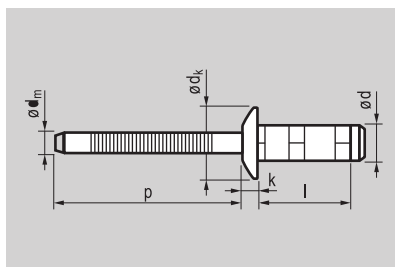
MFX 1451



Stainless steel [A2]
Polished



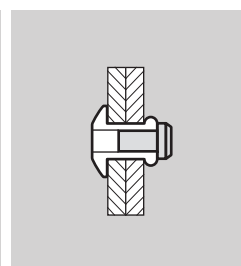
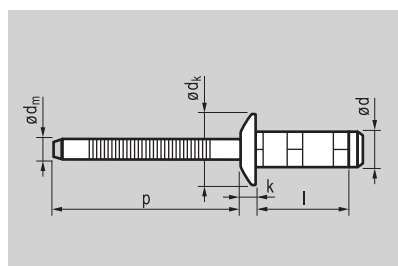
Stainless steel [A2]
Polished



PLIA | multigrip | dome head

| $\varnothing d$ | l [+1/-0,3] | | Item nr. | $\varnothing d_k$ [nom.] | k [max.] | $\varnothing d_m$ | p | | |
|-----------------------------|------------------------------|--|----------------------------------|-----------------------------|---------------|-------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 [+0,08/-0,15] | 9,9 | 1,0-4,8 | 14513210 | 6,4 [+0,45/-0,40] | 1,02 | ~2,20 | ≥27 | 2.000 | 1.700 |
| Ø 3,3 | | | | | | | | | |
| 4,0 [+0,08/-0,15] | 12,0 13,6 16,8 | 1,6-6,4 3,2-8,0 6,4-11,2 | 14514012 4013 4016 | 7,9 [+0,45/-0,40] | 1,27 | ~2,70 | ≥27 | 3.200 | 2.900 |
| Ø 4,1 | | | | | | | | | |
| 4,8 [+0,08/-0,15] | 12,7 14,3 17,5 19,3 | 1,6-6,4 3,2-8,0 6,4-11,2 8,0-12,7 | 14514812 4814 4817 4819 | 9,5 [+0,55/-0,50] | 1,52 | ~3,10 | ≥27 | 4.800 | 4.100 |
| Ø 4,9 | | | | | | | | | |

MFX 1461




PLIA | multigrip | dome head

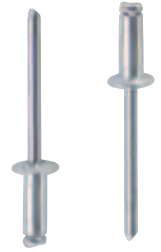
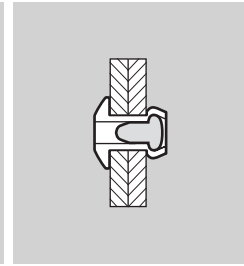
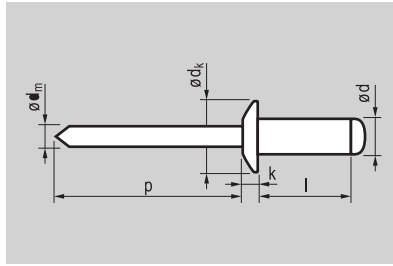
| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ [nom.] | k [max.] | $\varnothing d_m$ | p | | |
|---|----------------------|--------------------------------|--------------------------|-----------------------------|---------------|-------------------|-----------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2* [+0,08/-0,15] $\varnothing 3,3$ | 11,4 | 1,6-6,4 | 14613211 | 6,4 [+0,45/-0,40] | 1,02 | ~2,05 | ≥ 27 | 1.400 | 1.100 |
| 4,0* [+0,08/-0,15] $\varnothing 4,1$ | 12,0 13,6 | 1,6-6,4 3,2-8,0 | 14614012 4013 | 7,9 [+0,45/-0,40] | 1,27 | ~2,65 | ≥ 27 | 2.100 | 1.800 |
| 4,8 [+0,08/-0,15] $\varnothing 4,9$ | 12,7 14,3 19,3 | 1,6-6,4 3,2-8,0 8,0-12,7 | 14614812 4814 4819 | 9,5 [+0,55/-0,50] | 1,52 | ~3,00 | ≥ 27 | 3.100 | 2.600 |

* do NOT have grooved mandrels








MFX 1031

 Aluminium [AlMg2,5/3,5]
Polished

 Steel
Zinc plated



open type | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|-----------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 2,4 | 4,0 | ~2,0 | 10312404 | | | | | | |
| [+0,08/-0,10] | 6,0 | 2,0-4,0 | 2406 | | | | | | |
|  | 8,0 | 4,0-6,0 | 2408 | 5,0 | 0,7 | ~1,45 | ≥27 | 355 | 315 |
| Ø 2,5 | 10,0 | 6,0-8,0 | 2410 | [+0/-0,7] | [+/-0,15] | | | | |
| 3,0 | 4,0 | ~1,5 | 10313004 | | | | | | |
| [+0,08/-0,10] | 6,0 | 1,5-3,5 | 3006 | | | | | | |
|  | 8,0 | 3,5-5,5 | 3008 | | | | | | |
| Ø 3,1 | 10,0 | 5,5-7,5 | 3010 | 6,5 | 0,8 | ~1,75 | ≥27 | 810 | 620 |
| | 12,0 | 7,5-9,5 | 3012 | [+0/-0,7] | [+/- 0,2] | | | | |
| | 14,0 | 9,5-11,5 | 3014 | | | | | | |
| | 16,0 | 11,5-13,5 | 3016 | | | | | | |
| 3,2 | 4,0 | ~1,5 | 10313204 | | | | | | |
| [+0,08/-0,10] | 6,0 | 1,5-3,5 | 3206 | | | | | | |
|  | 8,0 | 3,5-5,5 | 3208 | | | | | | |
| Ø 3,3 | 10,0 | 5,5-7,5 | 3210 | | | | | | |
| | 12,0 | 7,5-9,5 | 3212 | 6,5 | 0,8 | ~1,75 | ≥27 | 980 | 760 |
| | 14,0 | 9,5-11,5 | 3214 | [+0/-0,7] | [+/- 0,2] | | | | |
| | 16,0 | 11,5-13,5 | 3216 | | | | | | |
| | 18,0 | 13,5-15,5 | 3218 | | | | | | |
| | 20,0 | 15,5-17,5 | 3220 | | | | | | |
| 4,0 | 6,0 | 1,5-3,0 | 10314006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 3,0-5,0 | 4008 | | | | | | |
|  | 10,0 | 5,0-6,5 | 4010 | | | | | | |
| Ø 4,1 | 12,0 | 6,5-8,5 | 4012 | | | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | 8,0 | 1,0 | ~2,10 | ≥27 | 1.600 | 1.200 |
| | 18,0 | 12,5-14,5 | 4018 | [+0/-1,0] | [+/- 0,3] | | | | |
| | 20,0 | 14,5-16,5 | 4020 | | | | | | |
| | 23,0 | 16,5-19,0 | 4023 | | | | | | |
| | 25,0 | 19,0-21,5 | 4025 | | | | | | |

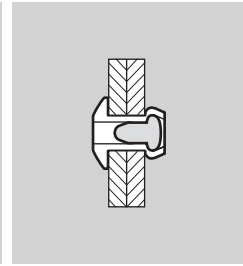
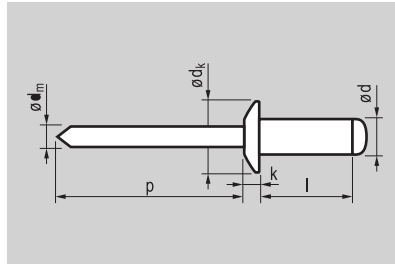
MFX 1031



Aluminium [AlMg2,5/3,5]
Polished



Steel
Zinc plated



open type | dome head

| Ø d | l [+1/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|---------------|----------------|-----------|----------|------------------|-----------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,8 | 6,0 | 1,0-3,0 | 10314806 | | | | | | |
| [+0,08/-0,15] | 8,0 | 3,0-4,5 | 4808 | | | | | | |
| | 10,0 | 4,5-6,0 | 4810 | | | | | | |
| Ø 4,9 | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| | 16,0 | 10,0-12,0 | 4816 | | | | | | |
| | 18,0 | 12,0-14,0 | 4818 | 9,5 | 1,1 | ~2,70 | ≥27 | 2.230 | 1.690 |
| | 20,0 | 14,0-16,0 | 4820 | [+0/-1,0] | [+/- 0,3] | | | | |
| | 22,0 | 16,0-18,0 | 4822 | | | | | | |
| | 25,0 | 18,0-21,0 | 4825 | | | | | | |
| | 28,0 | 21,0-23,5 | 4828 | | | | | | |
| | 30,0 | 23,5-25,0 | 4830 | | | | | | |
| | 35,0 | 25,0-30,0 | 4835 | | | | | | |
| | 40,0 | 30,0-35,0 | 4840 | | | | | | |
| 5,0 | 6,0 | 1,0-3,0 | 10315006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 3,0-4,5 | 5008 | | | | | | |
| | 10,0 | 4,5-6,0 | 5010 | | | | | | |
| Ø 5,1 | 12,0 | 6,0-8,0 | 5012 | | | | | | |
| | 14,0 | 8,0-10,0 | 5014 | | | | | | |
| | 16,0 | 10,0-12,0 | 5016 | | | | | | |
| | 18,0 | 12,0-14,0 | 5018 | 9,5 | 1,1 | ~2,70 | ≥27 | 2.500 | 2.000 |
| | 21,0 | 14,0-17,0 | 5021 | [+0/-1,0] | [+/- 0,3] | | | | |
| | 25,0 | 17,0-20,0 | 5025 | | | | | | |
| | 27,0 | 20,0-23,0 | 5027 | | | | | | |
| | 30,0 | 23,0-25,0 | 5030 | | | | | | |
| | 35,0 | 25,0-30,0 | 5035 | | | | | | |
| | 40,0 | 30,0-35,0 | 5040 | | | | | | |
| 6,0 | 8,0 | 2,0-4,0 | 10316008 | | | | | | |
| [+0,08/-0,15] | 10,0 | 4,0-6,0 | 6010 | | | | | | |
| | 12,0 | 6,0-8,0 | 6012 | | | | | | |
| Ø 6,1 | 14,0 | 7,0-9,0 | 6014 | | | | | | |
| | 16,0 | 9,0-11,0 | 6016 | 12,0 | 1,5 | ~3,60 | ≥31 | 3.900 | 3.000 |
| | 18,0 | 11,0-13,0 | 6018 | [+0/-1,5] | [+/- 0,4] | | | | |
| | 22,0 | 13,0-17,0 | 6022 | | | | | | |
| | 26,0 | 17,0-20,0 | 6026 | | | | | | |
| | 30,0 | 20,0-24,0 | 6030 | | | | | | |

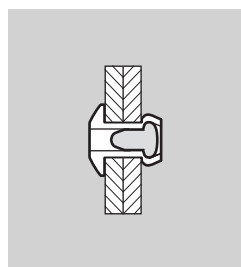
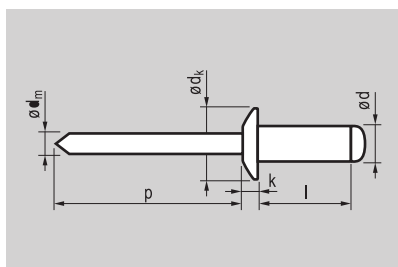
MFX 1031



Aluminium [AlMg2,5/3,5]
Polished



Steel
Zinc plated



open type | dome head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|-------------------|------------------|-----------|----------|-------------------|------------------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 6,4 | 10,0 | 2,0-5,0 | 10316410 | | | | | | |
| [+0,08/-0,15] | 12,0 | 4,0-6,0 | 6412 | | | | | | |
| | 15,0 | 6,0-9,0 | 6415 | | | | | | |
| $\varnothing 6,5$ | 18,0 | 9,0-13,0 | 6418 | 13,0 [+0/-1,5] | 1,8 [+/- 0,4] | ~3,85 | ≥31 | 4.090 | 3.120 |
| | 22,0 | 13,0-16,0 | 6422 | | | | | | |
| | 26,0 | 16,0-20,0 | 6426 | | | | | | |
| | 30,0 | 18,0-24,0 | 6430 | | | | | | |

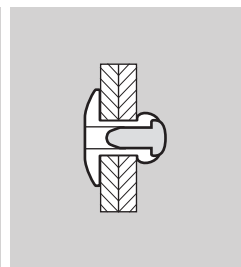
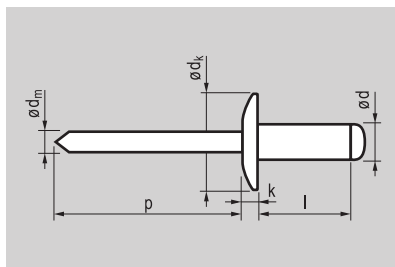
MFX 1032



Aluminium [AlMg3,5]
Polished



Steel
Zinc plated



open type | large head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|--|------|-----------|----------|-------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 [+0,08/-0,10] Ø 3,3 | 6,0 | 1,5-3,5 | 10323206 | 9,5 [+0/-0,5] | ≤2,0 | ~1,70 | ≥27 | 980 | 760 |
| | 8,0 | 3,5-5,5 | 3208 | | | | | | |
| | 10,0 | 5,5-7,5 | 3210 | | | | | | |
| | 12,0 | 7,5-9,5 | 3212 | | | | | | |
| | 14,0 | 9,5-11,5 | 3214 | | | | | | |
| 4,0 [+0,08/-0,15] Ø 4,1 | 6,0 | 1,5-3,0 | 10324006 | 12,0 [+0/-0,5] | ≤2,5 | ~2,10 | ≥27 | 1.600 | 1.200 |
| | 8,0 | 3,0-5,0 | 4008 | | | | | | |
| | 10,0 | 5,0-6,5 | 4010 | | | | | | |
| | 12,0 | 6,5-8,5 | 4012 | | | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | | | | | | |
| 4,8 [+0,08/-0,15] Ø 4,9 | 8,0 | 3,0-4,5 | 10324808 | 14,0 [+0/-0,5] | ≤2,5 | ~2,70 | ≥27 | 2.230 | 1.690 |
| | 10,0 | 4,5-6,0 | 4810 | | | | | | |
| | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| | 16,0 | 10,0-12,0 | 4816 | | | | | | |
| | 18,0 | 12,0-14,0 | 4818 | | | | | | |
| | 20,0 | 14,0-16,0 | 4820 | | | | | | |
| | 22,0 | 16,0-18,0 | 4822 | | | | | | |
| | 24,0 | 18,0-21,0 | 4824 | | | | | | |
| | 26,0 | 19,5-22,0 | 4826 | | | | | | |
| | 28,0 | 21,0-23,5 | 4828 | | | | | | |
| | 30,0 | 23,0-25,0 | 4830 | | | | | | |
| | 35,0 | 25,0-30,0 | 4835 | | | | | | |
| 5,0 [+0,08/-0,15] Ø 5,1 | 8,0 | 3,0-4,5 | 10325008 | 14,0 [+0/-0,5] | ≤2,5 | ~2,70 | ≥27 | 2.500 | 2.000 |
| | 10,0 | 4,5-6,0 | 5010 | | | | | | |
| | 12,0 | 6,0-8,0 | 5012 | | | | | | |
| | 14,0 | 8,0-10,0 | 5014 | | | | | | |
| | 16,0 | 10,0-12,0 | 5016 | | | | | | |
| | 18,0 | 12,0-14,0 | 5018 | | | | | | |
| | 21,0 | 14,0-17,0 | 5021 | | | | | | |
| | 24,0 | 17,0-20,0 | 5024 | | | | | | |

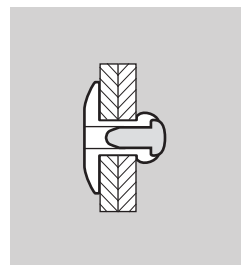
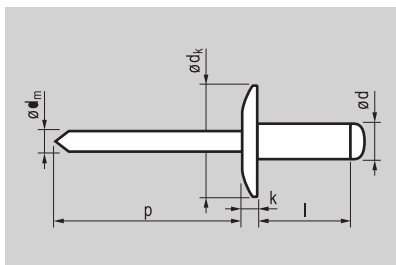
MFX 1033



Aluminium [AlMg3,5]
Polished



Steel
Zinc plated



open type | extra large head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | | |
|-------------------|------------------|-----------|----------|-------------------|------|-------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,8 | 10,0 | 4,5-6,0 | 10334810 | | | | | | |
| [+0,08/-0,15] | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| $\varnothing 4,9$ | 16,0 | 10,0-12,0 | 4816 | | | | | | |
| | 18,0 | 12,0-14,0 | 4818 | 16,0 [+0/-0,5] | ≤2,5 | ~2,70 | ≥27 | 2.230 | 1.690 |
| | 20,0 | 14,0-16,0 | 4820 | | | | | | |
| | 22,0 | 16,0-18,0 | 4822 | | | | | | |
| | 24,0 | 18,0-20,0 | 4824 | | | | | | |
| | 26,0 | 20,0-22,0 | 4826 | | | | | | |

MFX 1034



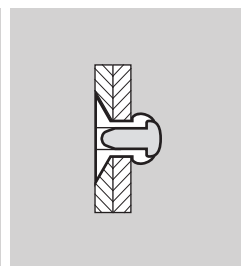
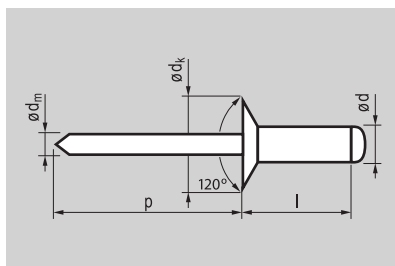
Aluminium [AlMg2,5/3,5]

Polished



Steel

Zinc plated



open type | countersunk head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|--|------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 2,4 [+0,08/-0,10] Ø 2,5 | 6,0 | 2,0-4,0 | 10342406 | 5,0 [+0/-0,4] | - | ~1,45 | ≥27 | 355 | 315 |
| | 8,0 | 4,0-6,0 | 2408 | | | | | | |
| | 10,0 | 6,0-8,0 | 2410 | | | | | | |
| 3,0 [+0,08/-0,10] Ø 3,1 | 6,0 | 1,5-3,5 | 10343006 | 6,0 [+0/-0,4] | - | ~1,75 | ≥27 | 810 | 620 |
| | 8,0 | 3,5-5,5 | 3008 | | | | | | |
| | 10,0 | 5,5-7,5 | 3010 | | | | | | |
| | 12,0 | 7,5-9,5 | 3012 | | | | | | |
| 3,2 [+0,08/-0,10] Ø 3,3 | 6,0 | 1,5-3,5 | 10343206 | 6,0 [+0/-0,4] | - | ~1,75 | ≥27 | 980 | 760 |
| | 8,0 | 3,5-5,5 | 3208 | | | | | | |
| | 10,0 | 5,5-7,5 | 3210 | | | | | | |
| | 12,0 | 7,5-9,5 | 3212 | | | | | | |
| | 14,0 | 9,5-11,5 | 3214 | | | | | | |
| 4,0 [+0,08/-0,15] Ø 4,1 | 6,0 | 1,5-3,0 | 10344006 | 7,5 [+0/-0,5] | - | ~2,10 | ≥27 | 1.600 | 1.200 |
| | 8,0 | 3,0-5,0 | 4008 | | | | | | |
| | 10,0 | 5,0-6,5 | 4010 | | | | | | |
| | 12,0 | 6,5-8,6 | 4012 | | | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | | | | | | |
| 4,8 [+0,08/-0,15] Ø 4,9 | 8,0 | 3,0-4,5 | 10344808 | 9,0 [+0/-0,5] | - | ~2,70 | ≥27 | 2.230 | 1.690 |
| | 10,0 | 4,5-6,0 | 4810 | | | | | | |
| | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| | 16,0 | 10,0-12,0 | 4816 | | | | | | |
| | 18,0 | 12,0-14,0 | 4818 | | | | | | |
| | 20,0 | 14,0-16,0 | 4820 | | | | | | |
| | 25,0 | 18,0-21,0 | 4825 | | | | | | |
| 5,0 [+0,08/-0,15] Ø 5,1 | 8,0 | 3,0-4,5 | 10345008 | 9,0 [+0/-0,5] | - | ~2,70 | ≥27 | 2.500 | 2.000 |
| | 10,0 | 4,5-6,0 | 5010 | | | | | | |
| | 12,0 | 6,0-8,0 | 5012 | | | | | | |
| | 14,0 | 8,0-10,0 | 5014 | | | | | | |
| | 16,0 | 10,0-12,0 | 5016 | | | | | | |
| | 18,0 | 12,0-14,0 | 5018 | | | | | | |
| | 21,0 | 14,0-17,0 | 5020 | | | | | | |
| | 25,0 | 17,0-20,0 | 5025 | | | | | | |

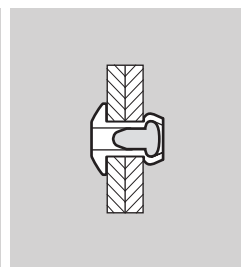
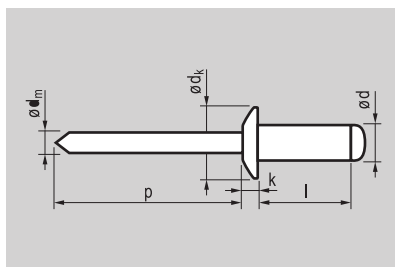
MFX 1021







Aluminium [AlMg2,5]
Polished



Aluminium
Polished




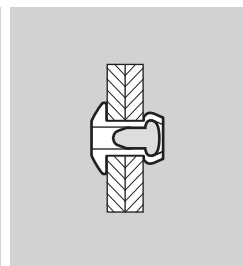
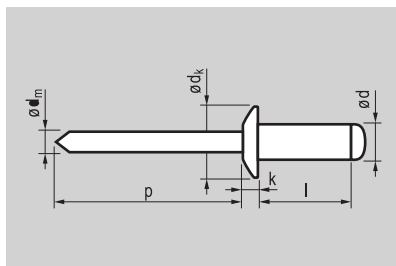
open type | dome head

| $\varnothing d$ [mm] | l [+1/-0,2] [mm] |  [mm] | Item nr. | $\varnothing d_k$ [mm] | k [mm] | $\varnothing d_m$ [mm] | p [mm] | $\frac{\pm}{\pm}$ [N] | $\frac{\pm}{\pm}$ [N] |
|--|--------------------------|---|----------|---------------------------|-----------------|---------------------------|-------------|--------------------------|--------------------------|
| 3,2 [+0,08/-0,10] | 6,0 | 1,5-3,5 | 10213206 | 6,5 [+0/-0,7] | 0,8 [+/-0,2] | ~1,95 | ≥27 | 670 | 535 |
|  Ø 3,3 | 8,0 | 3,5-5,5 | 3208 | | | | | | |
| | 10,0 | 5,5-7,5 | 3210 | | | | | | |
| | 12,0 | 7,5-9,5 | 3212 | | | | | | |
| | 14,0 | 9,5-11,5 | 3214 | | | | | | |
| | 16,0 | 11,5-13,5 | 3216 | | | | | | |
| 4,0 [+0,08/-0,15] | 6,0 | 1,5-3,0 | 10214006 | 8,0 [+0/-1,0] | 1,0 [+/-0,3] | ~2,45 | ≥27 | 1.025 | 845 |
|  Ø 4,1 | 8,0 | 3,0-5,0 | 4008 | | | | | | |
| | 10,0 | 5,0-7,0 | 4010 | | | | | | |
| | 12,0 | 7,0-9,0 | 4012 | | | | | | |
| | 14,0 | 9,0-11,0 | 4014 | | | | | | |
| | 16,0 | 11,0-13,0 | 4016 | | | | | | |
| 4,8 [+0,08/-0,15] | 8,0 | 2,5-4,5 | 10214808 | 9,5 [+0/-1,0] | 1,1 [+/-0,3] | ~2,90 | ≥27 | 1.425 | 1.155 |
|  Ø 4,9 | 10,0 | 4,5-6,5 | 4810 | | | | | | |
| | 12,0 | 6,5-8,5 | 4812 | | | | | | |
| | 14,0 | 8,5-10,5 | 4814 | | | | | | |
| | 16,0 | 10,5-12,5 | 4816 | | | | | | |
| | 18,0 | 12,5-14,5 | 4818 | | | | | | |
| | 20,0 | 14,5-16,5 | 4820 | | | | | | |
| | 25,0 | 19,5-21,5 | 4825 | | | | | | |









MFX 1071

 Aluminium [AlMg3]
Polished

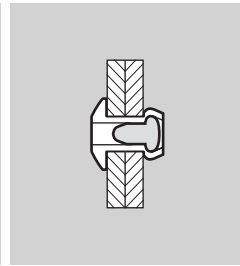
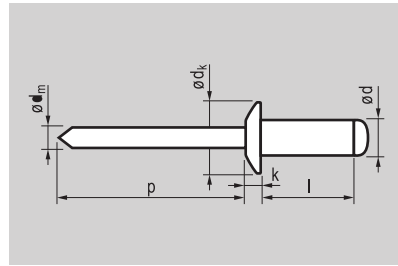
 Stainless steel [A2]
Polished



open type | dome head

| Ø d | l [+1/-0,2] |  | Item nr. | Ø d _k | k | Ø d _m | p |  |  |
|---|----------------|---|----------|------------------|-----------------|------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 1,5-3,5 | 10713006 | | | | | | |
| [+0,08/-0,10] | 8,0 | 3,5-5,5 | 3008 | | | | | | |
|  | 10,0 | 5,5-7,0 | 3010 | 6,5 [+0/-0,7] | 0,8 [+/-0,2] | ~1,75 | ≥27 | 810 | 620 |
| Ø 3,1 | 12,0 | 7,0-9,0 | 3012 | | | | | | |
| 3,2 | 6,0 | 1,5-3,5 | 10713206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 3,5-5,5 | 3208 | | | | | | |
|  | 10,0 | 5,5-7,0 | 3210 | 6,5 [+0/-0,7] | 0,8 [+/-0,2] | ~1,95 | ≥27 | 980 | 760 |
| Ø 3,3 | 12,0 | 7,0-9,0 | 3212 | | | | | | |
| 4,0 | 6,0 | 1,0-3,0 | 10714006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 3,0-5,0 | 4008 | | | | | | |
|  | 10,0 | 5,0-7,0 | 4010 | 8,0 [+0/-1,0] | 1,0 [+/-0,3] | ~2,10 | ≥27 | 1.600 | 1.200 |
| Ø 4,1 | 12,0 | 7,0-9,0 | 4012 | | | | | | |
| 4,8 | 8,0 | 2,5-4,5 | 10714808 | | | | | | |
| [+0,08/-0,15] | 10,0 | 4,5-6,5 | 4810 | | | | | | |
|  | 12,0 | 6,5-8,5 | 4812 | | | | | | |
| Ø 4,9 | 14,0 | 8,5-10,5 | 4814 | 9,5 [+0/-1,0] | 1,1 [+/-0,3] | ~2,70 | ≥27 | 2.230 | 1.690 |
| | 16,0 | 10,5-12,5 | 4816 | | | | | | |
| | 18,0 | 12,5-14,5 | 4818 | | | | | | |
| | 20,0 | 14,5-16,5 | 4820 | | | | | | |
| 5,0 | 8,0 | 2,5-4,5 | 10715008 | | | | | | |
| [+0,08/-0,15] | 10,0 | 4,5-6,5 | 5010 | | | | | | |
|  | 12,0 | 6,5-8,5 | 5012 | 9,5 [+0/-1,0] | 1,1 [+/-0,3] | ~2,70 | ≥27 | 2.500 | 2.000 |
| Ø 5,1 | 16,0 | 10,5-12,5 | 5016 | | | | | | |


MFX 1041



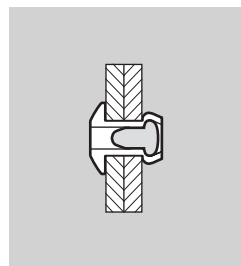
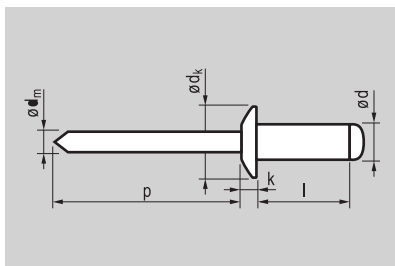
open type | dome head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | | |
|--|------------------|-----------|----------|-------------------|-----------------|-------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 [+0,08/-0,10] $\varnothing 3,1$ | 6,0 | 1,5-3,0 | 10413006 | 6,5 [+0/-0,7] | 0,8 [+/-0,2] | ~1,90 | ≥27 | 1.125 | 915 |
| | 8,0 | 3,0-5,0 | 3008 | | | | | | |
| | 10,0 | 5,0-7,0 | 3010 | | | | | | |
| | 12,0 | 7,0-9,0 | 3012 | | | | | | |
| | 14,0 | 9,0-11,0 | 3014 | | | | | | |
| 3,2 [+0,08/-0,10] $\varnothing 3,3$ | 6,0 | 1,5-3,0 | 10413206 | 6,5 [+0/-0,7] | 0,8 [+/-0,2] | ~2,00 | ≥27 | 1.285 | 1.060 |
| | 8,0 | 3,0-5,0 | 3208 | | | | | | |
| | 10,0 | 5,0-7,0 | 3210 | | | | | | |
| | 12,0 | 7,0-9,0 | 3212 | | | | | | |
| | 14,0 | 9,0-11,0 | 3214 | | | | | | |
| 16,0 | 11,0-13,0 | 3216 | | | | | | | |
| 4,0 [+0,08/-0,15] $\varnothing 4,1$ | 6,0 | 1,5-2,5 | 10414006 | 8,0 [+0/-1,0] | 1,0 [+/-0,3] | ~2,50 | ≥27 | 1.990 | 1.550 |
| | 8,0 | 2,5-4,5 | 4008 | | | | | | |
| | 10,0 | 4,5-6,5 | 4010 | | | | | | |
| | 12,0 | 6,5-8,5 | 4012 | | | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | | | | | | |
| | 18,0 | 12,5-14,5 | 4018 | | | | | | |
| 20,0 | 14,5-16,5 | 4020 | | | | | | | |
| 4,8 [+0,08/-0,15] $\varnothing 4,9$ | 6,0 | 1,0-2,5 | 10414806 | 9,5 [+0/-1,0] | 1,1 [+/-0,3] | ~2,90 | ≥27 | 2.920 | 2.300 |
| | 8,0 | 2,5-4,5 | 4808 | | | | | | |
| | 10,0 | 4,5-6,0 | 4810 | | | | | | |
| | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| | 16,0 | 10,0-11,5 | 4816 | | | | | | |
| | 18,0 | 11,5-13,5 | 4818 | | | | | | |
| | 20,0 | 13,5-15,0 | 4820 | | | | | | |
| | 22,0 | 15,0-17,0 | 4822 | | | | | | |
| | 25,0 | 17,0-20,0 | 4825 | | | | | | |
| | 28,0 | 20,0-23,0 | 4828 | | | | | | |
| 30,0 | 23,0-26,0 | 4830 | | | | | | | |
| 5,0 [+0,08/-0,15] $\varnothing 5,1$ | 8,0 | 2,5-4,0 | 10415008 | 9,5 [+0/-1,0] | 1,1 [+/-0,3] | ~2,90 | ≥27 | 3.255 | 2.575 |
| | 10,0 | 4,0-6,0 | 5010 | | | | | | |
| | 12,0 | 6,0-8,0 | 5012 | | | | | | |
| | 14,0 | 8,0-10,0 | 5014 | | | | | | |
| | 16,0 | 10,0-11,5 | 5016 | | | | | | |
| | 18,0 | 11,5-13,5 | 5018 | | | | | | |
| 20,0 | 13,5-15,0 | 5020 | | | | | | | |






MFX 1041

 **Steel**
Zinc plated


 **Steel**
Zinc plated




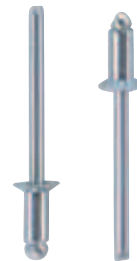
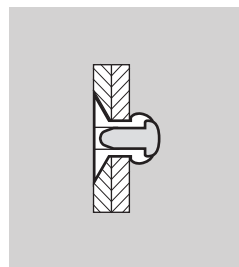
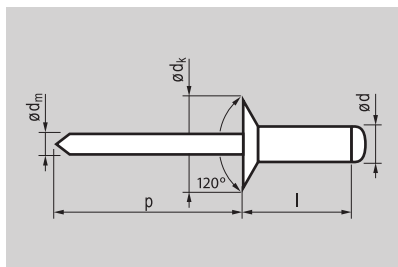
open type | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|----------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 6,0 | 12,0 | 3,5-6,5 | 10416012 | | | | | | |
| [+0,08/-0,15] | 15,0 | 6,5-9,5 | 6015 | | | | | | |
|  | 18,0 | 9,5-12,5 | 6018 | 12,0 | 1,5 | ~3,60 | ≥31 | 5.020 | 4.040 |
| Ø 6,1 | 22,0 | 13,5-16,5 | 6022 | [+0/-1,5] | [+/-0,4] | | | | |
| | 26,0 | 17,5-20,5 | 6026 | | | | | | |
| | 30,0 | 21,5-24,5 | 6030 | | | | | | |
| 6,4 | 12,0 | 3,5-6,5 | 10416412 | | | | | | |
| [+0,08/-0,15] | 15,0 | 6,5-9,5 | 6415 | | | | | | |
|  | 18,0 | 9,5-12,5 | 6418 | 13,0 | 1,8 | ~3,85 | ≥31 | 5.415 | 4.355 |
| Ø 6,5 | 22,0 | 14,5-16,5 | 6422 | [+0/-1,5] | [+/-0,4] | | | | |
| | 26,0 | 18,5-20,5 | 6426 | | | | | | |
| | 30,0 | 22,5-24,5 | 6430 | | | | | | |






MFX 1044

 Steel
Zinc plated

 Steel
Zinc plated



open type | countersunk head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|---|------------------|---|----------|-------------------|------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 1,5-3,0 | 10443006 | 6,0 [+0/-0,4] | - | ~1,90 | ≥27 | 1.125 | 915 |
| [+0,08/-0,10] | 8,0 | 3,0-5,0 | 3008 | | | | | | |
|  | 10,0 | 5,0-7,0 | 3010 | | | | | | |
| Ø 3,1 | 12,0 | 7,0-9,0 | 3012 | | | | | | |
| 3,2 | 6,0 | 1,5-3,0 | 10443206 | 6,0 [+0/-0,4] | - | ~2,00 | ≥27 | 1.285 | 1.060 |
| [+0,08/-0,10] | 8,0 | 3,0-5,0 | 3208 | | | | | | |
|  | 10,0 | 5,0-7,0 | 3210 | | | | | | |
| Ø 3,3 | 12,0 | 7,0-9,0 | 3212 | | | | | | |
| 4,0 | 6,0 | 1,5-2,5 | 10444006 | 7,5 [+0/-0,5] | - | ~2,50 | ≥27 | 1.990 | 1.550 |
| [+0,08/-0,15] | 8,0 | 2,5-4,5 | 4008 | | | | | | |
|  | 10,0 | 4,5-6,5 | 4010 | | | | | | |
| Ø 4,1 | 12,0 | 6,5-8,5 | 4012 | | | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | | | | | | |
| 4,8 | 8,0 | 2,5-4,5 | 10444808 | 9,0 [+0/-0,5] | - | ~2,90 | ≥27 | 2.920 | 2.300 |
| [+0,08/-0,15] | 10,0 | 4,5-6,0 | 4810 | | | | | | |
|  | 12,0 | 6,0-8,0 | 4812 | | | | | | |
| Ø 4,9 | 14,0 | 8,0-10,0 | 4814 | | | | | | |
| | 16,0 | 10,0-11,5 | 4816 | | | | | | |
| | 18,0 | 11,5-13,5 | 4818 | | | | | | |
| | 20,0 | 13,5-15,5 | 4820 | | | | | | |

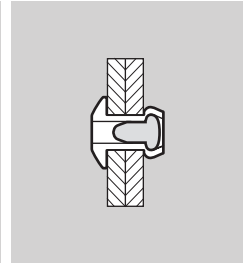
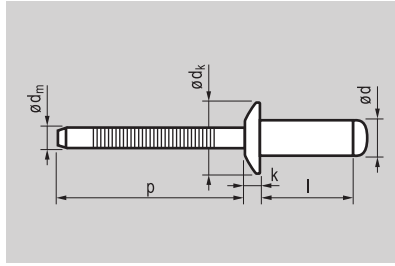
MFX 1051



Stainless steel [A2]
Polished



Stainless steel [A2]
Polished



open type | dome head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|---------------|------|-----------|-----------|------------------|----------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 1,5-2,5 | *10513006 | | | | | | |
| [+0,08/-0,10] | 8,0 | 2,5-4,5 | *3008 | | | | | | |
| | 10,0 | 4,5-6,5 | *3010 | 6,5 | 0,8 | ~1,90 | ≥27 | 2.000 | 1.600 |
| Ø 3,1 | 12,0 | 6,5-8,5 | *3012 | [+0/-0,7] | [+/-0,2] | | | | |
| 3,2 | 4,0 | ~1,5 | 10513204 | | | | | | |
| [+0,08/-0,10] | 6,0 | 1,5-2,5 | 3206 | | | | | | |
| | 8,0 | 2,5-4,5 | 3208 | | | | | | |
| Ø 3,3 | 10,0 | 4,5-6,5 | 3210 | 6,5 | 0,8 | ~2,00 | ≥27 | 2.500 | 1.800 |
| | 12,0 | 6,5-8,5 | 3212 | [+0/-0,7] | [+/-0,2] | | | | |
| | 15,0 | 8,5-12,0 | 3215 | | | | | | |
| | 18,0 | 12,0-15,0 | 3218 | | | | | | |
| 4,0 | 6,0 | ~2,0 | 10514006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 2,0-4,0 | *4008 | | | | | | |
| | 10,0 | 4,0-6,0 | *4010 | | | | | | |
| Ø 4,1 | 13,0 | 7,0-9,0 | *4013 | 8,0 | 1,0 | ~2,50 | ≥27 | 3.800 | 3.100 |
| | 16,0 | 10,0-12,0 | *4016 | [+0/-1,0] | [+/-0,3] | | | | |
| | 18,0 | 12,0-14,0 | 4018 | | | | | | |
| | 20,0 | 14,0-16,0 | 4020 | | | | | | |
| 4,8 | 8,0 | 1,5-3,0 | *10514808 | | | | | | |
| [+0,08/-0,15] | 10,0 | 3,0-5,0 | *4810 | | | | | | |
| | 12,0 | 5,0-7,0 | *4812 | | | | | | |
| Ø 4,9 | 14,0 | 7,0-9,0 | 4814 | 9,5 | 1,1 | ~2,90 | ≥27 | 6.000 | 4.500 |
| | 16,0 | 9,0-11,0 | *4816 | [+0/-1,0] | [+/-0,3] | | | | |
| | 18,0 | 11,0-13,0 | *4818 | | | | | | |
| | 20,0 | 13,0-15,0 | *4820 | | | | | | |
| 5,0 | 8,0 | 1,5-3,0 | 10515008 | | | | | | |
| [+0,08/-0,15] | 10,0 | 3,0-5,0 | 5010 | | | | | | |
| | 12,0 | 5,0-7,0 | 5012 | 9,5 | 1,1 | ~2,90 | ≥27 | 6.500 | 5.000 |
| Ø 5,1 | 16,0 | 9,0-11,0 | 5016 | [+0/-1,0] | [+/-0,3] | | | | |
| 6,0 | 12,0 | 4,0-6,0 | 10516012 | | | | | | |
| [+0,08/-0,15] | 15,0 | 6,0-9,0 | 6015 | | | | | | |
| | 18,0 | 9,0-12,0 | 6018 | 12,0 | 1,5 | ~3,60 | ≥31 | 8.830 | 6.500 |
| Ø 6,1 | 20,0 | 11,0-14,0 | 6020 | [+0/-1,5] | [+/-0,4] | | | | |
| 6,4 | 12,0 | 4,5-6,5 | 10516412 | | | | | | |
| [+0,08/-0,15] | 15,0 | 6,5-9,5 | 6415 | | | | | | |
| | 18,0 | 9,5-12,5 | 6418 | 12,0 | 2,1 | ~3,85 | ≥31 | 8.850 | 6.500 |
| Ø 6,5 | 20,0 | 11,5-14,5 | 6420 | [+0/-1,5] | [+/-0,4] | | | | |
| | 25,0 | 17,0-20,0 | 6425 | | | | | | |

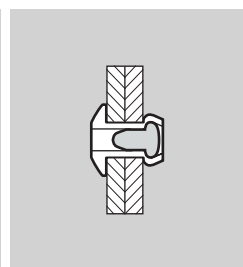
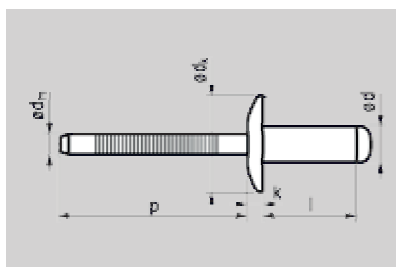
MFX 1052



Stainless steel [A2]
Polished



Stainless steel [A2]
Polished




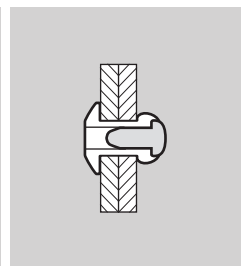
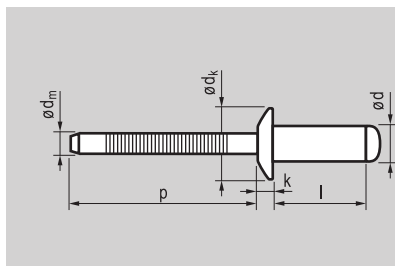
open type | large head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | | |
|-------------------|------------------|----------|----------|-------------------|----------|-------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,8 | 8,0 | 1,5-3,0 | 10524808 | | | | | | |
| [+0,08/-0,15] | 10,0 | 3,0-5,0 | 4810 | | | | | | |
| | 12,0 | 5,0-7,0 | 4812 | 14 | 1,8 | ~2,90 | ≥27 | 5.300 | 4.200 |
| $\varnothing 4,9$ | 14,0 | 7,0-9,0 | 4814 | [+0/-1,0] | [+/-0,3] | | | | |
| | 16,0 | 9,0-11,0 | 4816 | | | | | | |








MFX 1541

 **Stainless steel [A4]**
Polished

 **Stainless steel [A4]**
Polished



open type | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|----------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 1,5-2,5 | 15413006 | | | | | | |
| [+0,08/-0,10] | 8,0 | 2,5-4,5 | 3008 | 6,5 | 0,8 | ~1,90 | ≥27 | 2.000 | 1.600 |
|  | 10,0 | 4,5-6,5 | 3010 | [+0/-0,7] | [+/-0,2] | | | | |
| $\varnothing 3,1$ | | | | | | | | | |
| 3,2 | 6,0 | 1,5-2,5 | 15413206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 2,5-4,5 | 3208 | 6,5 | 0,8 | ~2,00 | ≥27 | 2.500 | 1.800 |
|  | 10,0 | 4,5-6,5 | 3210 | [+0/-0,7] | [+/-0,2] | | | | |
| $\varnothing 3,3$ | 12,0 | 6,5-8,5 | 3212 | | | | | | |
| 4,0 | 6,0 | ~2,0 | 15414006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 2,0-4,0 | 4008 | 8,0 | 1,0 | ~2,50 | ≥27 | 3.800 | 3.100 |
|  | 10,0 | 4,0-6,0 | 4010 | [+0/-1,0] | [+/-0,3] | | | | |
| $\varnothing 4,1$ | 13,0 | 7,0-9,0 | 4013 | | | | | | |
| | 16,0 | 10,0-12,0 | 4016 | | | | | | |
| 4,8 | 8,0 | 1,5-3,0 | 15414808 | | | | | | |
| [+0,08/-0,15] | 10,0 | 3,0-5,0 | 4810 | 9,5 | 1,1 | ~2,90 | ≥27 | 6.000 | 4.500 |
|  | 12,0 | 5,0-7,0 | 4812 | [+0/-1,0] | [+/-0,3] | | | | |
| $\varnothing 4,9$ | 14,0 | 7,0-9,0 | 4814 | | | | | | |
| | 16,0 | 9,0-11,0 | 4816 | | | | | | |
| | 18,0 | 11,0-13,0 | 4818 | | | | | | |

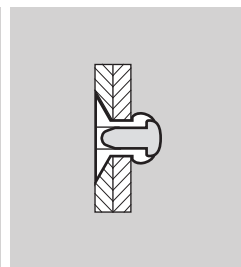
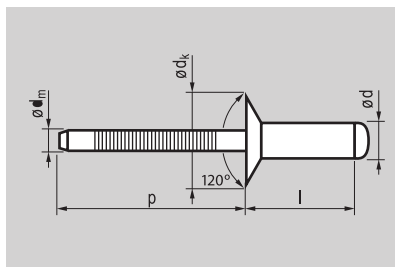
MFX 1054



Stainless steel [A2]
Polished



Stainless steel [A2]
Polished



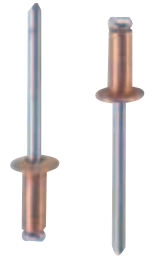
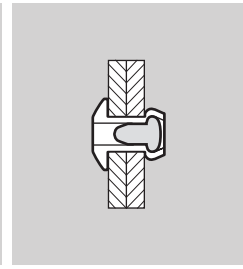
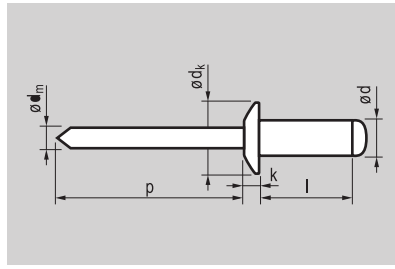
open type | countersunk head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | \updownarrow | \rightleftarrows |
|-----------------|------------------|-----------|----------|-------------------|------|-------------------|------|----------------|--------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,0 | 1,5-2,5 | 10543206 | 6,0 [+0/-0,4] | - | ~2,00 | ≥27 | 2.500 | 1.800 |
| [+0,08/-0,10] | 8,0 | 2,5-4,5 | 3208 | | | | | | |
| | 10,0 | 4,5-6,5 | 3210 | | | | | | |
| Ø 3,3 | 12,0 | 6,5-8,5 | 3212 | | | | | | |
| 4,0 | 6,0 | ~2,0 | 10544006 | 7,5 [+0/-0,5] | - | ~2,50 | ≥27 | 3.800 | 3.100 |
| [+0,08/-0,15] | 8,0 | 2,0-4,0 | 4008 | | | | | | |
| | 10,0 | 4,0-6,0 | 4010 | | | | | | |
| Ø 4,1 | 12,0 | 6,0-8,0 | 4012 | | | | | | |
| | 15,0 | 9,0-11,0 | 4015 | | | | | | |
| 4,8 | 8,0 | 1,5-3,0 | 10544808 | 9,0 [+0/-0,5] | - | ~2,90 | ≥27 | 6.000 | 4.500 |
| [+0,08/-0,15] | 10,0 | 3,0-5,0 | 4810 | | | | | | |
| | 12,0 | 5,0-7,0 | 4812 | | | | | | |
| Ø 4,9 | 15,0 | 8,0-10,0 | 4815 | | | | | | |
| | 18,0 | 11,0-13,0 | 4818 | | | | | | |
| | 21,0 | 14,0-16,0 | 4821 | | | | | | |
| | 25,0 | 18,0-20,0 | 4825 | | | | | | |








MFX 1101

 **Copper**
Polished

 **Steel**
Zinc plated



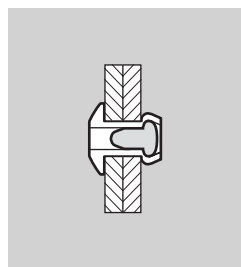
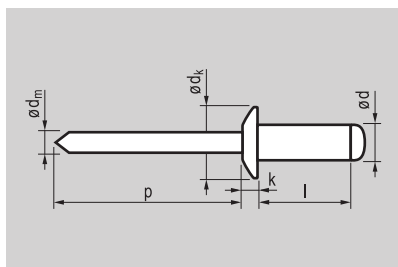
open type | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|----------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,0 | 6,0 | 1,0-3,0 | 11013006 | | | | | | |
| [+0,08/-0,10] | 8,0 | 3,0-5,0 | 3008 | | | | | | |
|  | 10,0 | 5,0-7,0 | 3010 | 6,5 | 0,8 | ~1,75 | ≥27 | 700 | 600 |
| Ø 3,1 | 12,0 | 7,0-9,0 | 3012 | [+0/-0,7] | [+/-0,2] | | | | |
| 3,2 | 6,0 | 1,0-3,0 | 11013206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 3,0-5,0 | 3208 | | | | | | |
|  | 10,0 | 5,0-7,0 | 3210 | 6,5 | 0,8 | ~1,95 | ≥27 | 800 | 700 |
| Ø 3,3 | 12,0 | 7,0-9,0 | 3212 | [+0/-0,7] | [+/-0,2] | | | | |
| 4,0 | 6,0 | 1,0-2,5 | 11014006 | | | | | | |
| [+0,08/-0,15] | 8,0 | 2,5-4,5 | 4008 | | | | | | |
|  | 10,0 | 4,5-6,5 | 4010 | 8,0 | 1,0 | ~2,10 | ≥27 | 1.500 | 1.000 |
| Ø 4,1 | 12,0 | 6,5-8,5 | 4012 | [+0/-1,0] | [+/-0,3] | | | | |
| | 14,0 | 8,5-10,5 | 4014 | | | | | | |
| | 16,0 | 10,5-12,5 | 4016 | | | | | | |
| 4,8 | 8,0 | 1,5-3,5 | 11014808 | | | | | | |
| [+0,08/-0,15] | 10,0 | 3,5-5,5 | 4810 | | | | | | |
|  | 12,0 | 5,5-7,5 | 4812 | 9,5 | 1,1 | ~2,70 | ≥27 | 2.000 | 1.500 |
| Ø 4,9 | 14,0 | 7,5-9,5 | 4814 | [+0/-1,0] | [+/-0,3] | | | | |
| | 16,0 | 9,5-11,5 | 4816 | | | | | | |



MFX 1151

 Copper
Polished

 Bronze
Polished



open type | dome head

| $\varnothing d$ | l [+/-0,10] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|---|------------------|---|----------|-------------------|-----------------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 5,0 | 2,0-3,0 | 11513205 | | | | | | |
| [+0/-0,05] | 6,0 | 2,5-3,5 | 3206 | | | | | | |
|  | 7,0 | 3,0-4,5 | 3207 | 6,2 [+/-0,2] | 0,8 [+/-0,2] | ~2,00 | ≥31 | 1.000 | 800 |
| $\varnothing 3,3$ | 9,0 | 4,0-6,5 | 3209 | | | | | | |
| | 10,0 | 5,0-7,5 | 3210 | | | | | | |
| | 12,0 | 7,0-9,5 | 3212 | | | | | | |

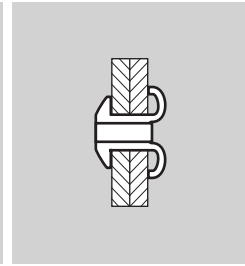
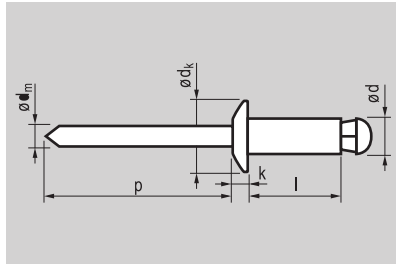
MFX 1301



Aluminium [AlMg3,5]
Polished



Steel
Zinc plated



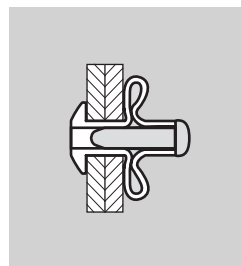
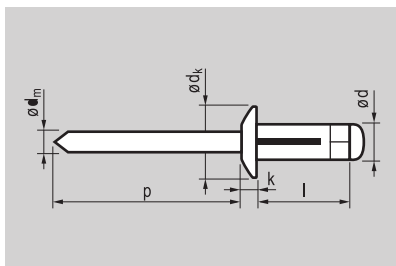
peel type | dome head

| Ø d | l [+0,3/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-------------|------------------|-----------|----------|------------------|------------------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 8,0 | 0,5-1,0 | 13013208 | | | | | | |
| [+/-0,15] | 10,0 | 1,0-3,0 | 3210 | | | | | | |
| | 12,0 | 3,0-5,0 | 3212 | 6,5 [+/-0,2] | 1,0 [+/-0,1] | ~1,80 | ≥27 | 750 | 820 |
| Ø [3,5 min] | 16,0 | 7,0-9,0 | 3216 | | | | | | |
| [3,7 max] | 18,0 | 9,0-11,0 | 3218 | | | | | | |
| 4,0 | 10,0 | 1,5-5,0 | 13014010 | | | | | | |
| [+/-0,15] | 12,0 | 4,0-6,5 | 4012 | | | | | | |
| | 14,0 | 6,0-9,0 | 4014 | 8,0 [+/-0,4] | 1,2 [+/-0,2] | ~2,10 | ≥27 | 1.140 | 1.280 |
| Ø [4,3 min] | 16,0 | 8,0-11,0 | 4016 | | | | | | |
| [4,5 max] | 18,0 | 10,0-13,0 | 4018 | | | | | | |
| | 20,0 | 12,0-15,0 | 4020 | | | | | | |
| 4,8 | 10,0 | 1,5-4,0 | 13014810 | | | | | | |
| [+/-0,15] | 12,0 | 2,0-6,0 | 4812 | | | | | | |
| | 14,0 | 4,0-8,0 | 4814 | | | | | | |
| Ø [5,2 min] | 16,0 | 6,0-10,0 | 4816 | | | | | | |
| [5,3 max] | 18,0 | 8,0-12,0 | 4818 | | | | | | |
| | 20,0 | 10,0-14,0 | 4820 | 9,0 [+/-0,4] | 1,4 [+/-0,2] | ~2,70 | ≥27 | 2.450 | 2.100 |
| | 22,0 | 12,0-16,0 | 4822 | | | | | | |
| | 25,0 | 16,0-19,0 | 4825 | | | | | | |
| | 30,0 | 19,0-24,0 | 4830 | | | | | | |
| | 35,0 | 24,0-29,0 | 4835 | | | | | | |
| | 40,0 | 29,0-34,0 | 4840 | | | | | | |






MFX 1361

 Aluminium [AlMg2,5]
Polished

 Aluminium [AlMg5]
Polished



TRIFORM | dome head

| Ø d | l [+1/-0,2] |  | Item nr. | Ø d _k | k | Ø d _m | p |  |  |
|--|----------------|---|----------|------------------|------|------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,0 | 13,6 | 1,0-3,0 | 13614013 | | | | | | |
| [+/-0,1] | 18,8 | 1,0-7,0 | 4018 | 8,0 [+/-0,29] | ≤1,4 | ~2,30 | ≥27 | 800 | 600 |
|  Ø 4,2 [4,4 max] | | | | | | | | | |
| 4,8 | 15,3 | 1,0-4,0 | 13614815 | | | | | | |
| [+/-0,1] | 20,5 | 1,0-9,0 | 4820 | 9,6 [+/-0,29] | ≤1,6 | ~2,90 | ≥27 | 1.100 | 800 |
|  Ø 5,0 [5,2 max] | 24,5 | 4,0-12,0 | 4824 | | | | | | |

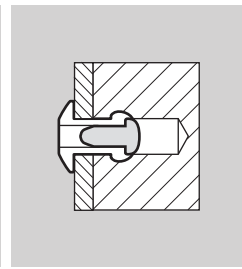
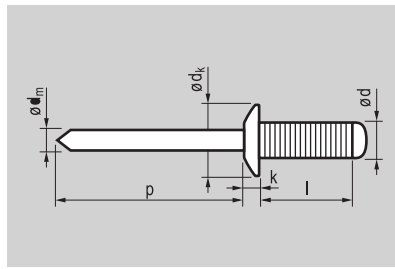
MFX 1601



Aluminium [AlMg3,5]
Polished



Steel
Zinc plated



grooved type | dome head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\uparrow}{\downarrow}$ | $\frac{\leftarrow}{\rightarrow}$ |
|-----------------|------------------|-----------|----------|-------------------|------|-------------------|------|-------------------------------|----------------------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 10,0 | Max. 6,0 | 16013210 | 6,0 [+/-0,24] | ≤1,4 | ~1,80 | ≥27 | 930 | 525 |
| [+0,35/-0] | 14,0 | Max. 10,0 | 3214 | | | | | | |
| | | | | | | | | | |
| Ø 3,4 | | | | | | | | | |
| 4,0 | 8,0 | Max. 4,0 | 16014008 | 8,0 [+/-0,29] | ≤1,7 | ~2,20 | ≥27 | 1.410 | 885 |
| [+0,35/-0] | 10,0 | Max. 6,0 | 4010 | | | | | | |
| | 12,0 | Max. 8,0 | 4012 | | | | | | |
| Ø 4,3 | 16,0 | Max. 12,0 | 4016 | | | | | | |
| 4,8 | 8,0 | Max. 4,0 | 16014808 | 9,5 [+/-0,29] | ≤2,0 | ~2,65 | ≥27 | 1.575 | 1.185 |
| [+0,35/-0] | 10,0 | Max. 6,0 | 4810 | | | | | | |
| | 11,0 | Max. 7,0 | 4811 | | | | | | |
| Ø 5,1 | 12,0 | Max. 8,0 | 4812 | | | | | | |
| | 14,0 | Max. 10,0 | 4814 | | | | | | |
| | 16,0 | Max. 12,0 | 4816 | | | | | | |
| | 18,0 | Max. 14,0 | 4818 | | | | | | |
| | 20,0 | Max. 16,0 | 4820 | | | | | | |
| | 25,0 | Max. 21,0 | 4825 | | | | | | |
| | 30,0 | Max. 26,0 | 4830 | | | | | | |

MFX 1803



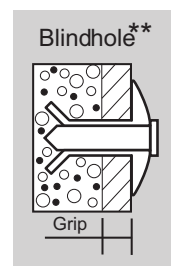
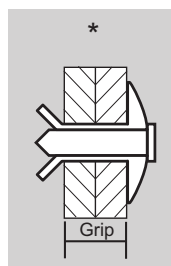
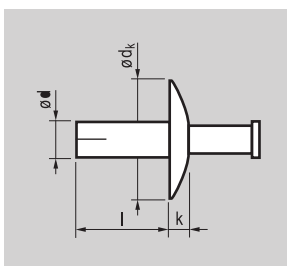
Aluminium [AlMg5]

Polished



Stainless steel [A2]

Polished




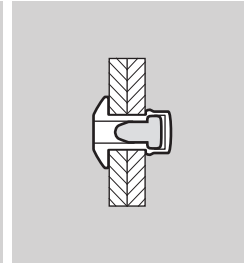
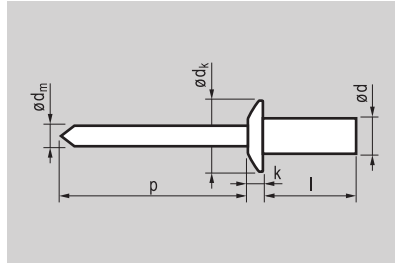
HAMMERDRIVE | extra large head

| $\varnothing d$ | l [+1/-0,2] | Item nr. | | | $\varnothing d_k$ | k | | |
|-------------------|------------------|----------|-------------------------|---------------------------------------|-------------------|-------------|--------------------|-------|
| [mm] | [mm] | | * (e.g. steel) mm | Blind hole** (e.g. concrete) mm | [mm] | [mm] | [N] | [N] |
| 4,8 | 16 | 18034816 | 11,5-13,0 | 11,0 | | | | |
| [+0,08/-0,15] | 20 | 4820 | 15,5-17,0 | 15,0 | | | | |
| | 25 | 4825 | 20,5-22,0 | 20,0 | | | | |
| $\varnothing 4,9$ | 30 | 4830 | 25,5-27,0 | 25,0 | 14,5 [+/-0,5] | 2,2 max. | 2.600 * 2.200** | 4.500 |
| | 35 | 4835 | 30,5-32,0 | 30,0 | | | | |
| | 40 | 4840 | 35,5-37,0 | 35,0 | | | | |
| | 45 | 4845 | 40,5-42,0 | 40,0 | | | | |
| | 50 | 4850 | 45,5-47,0 | 45,0 | | | | |








MFX 1201

 Aluminium [AlMg5]
Polished

 Steel
Phosphated



closed end | dome head

| Ø d [mm] | l [+1/-0,2] [mm] |  [mm] | Item nr. | Ø d _k [mm] | k [mm] | Ø d _m [mm] | p [mm] |  [N] |  [N] |
|--|------------------------|---|----------|--------------------------|-----------|--------------------------|-----------|--|--|
| 3,2 [+/-0,08] | 6,5 | 0,5-2,0 | 12013206 | 6,0 [+/-0,24] | ≤1,4 | ~1,70 | ≥27 | 1.250 | 1.070 |
|  Ø 3,3 | 8,0 | 2,0-3,5 | 3208 | | | | | | |
| | 9,5 | 3,5-5,0 | 3209 | | | | | | |
| | 10,7 | 5,0-6,5 | 3210 | | | | | | |
| | 12,7 | 6,5-8,0 | 3212 | | | | | | |
| 4,0 [+/-0,08] | 8,0 | 0,5-3,5 | 12014008 | 8,0 [+/-0,29] | ≤1,7 | ~2,18 | ≥27 | 2.240 | 1.700 |
|  Ø 4,1 | 9,5 | 3,5-4,5 | 4009 | | | | | | |
| | 11,0 | 4,5-6,5 | 4011 | | | | | | |
| | 12,7 | 6,5-8,0 | 4012 | | | | | | |
| | 15,0 | 8,0-10,5 | 4015 | | | | | | |
| 4,8 [+/-0,08] | 8,0 | 1,0-3,0 | 12014808 | 9,5 [+/-0,29] | ≤2,0 | ~2,63 | ≥27 | 3.100 | 2.200 |
|  Ø 4,9 | 9,5 | 3,0-4,5 | 4809 | | | | | | |
| | 11,0 | 4,5-6,0 | 4811 | | | | | | |
| | 12,5 | 6,0-7,5 | 4812 | | | | | | |
| | 14,0 | 7,5-9,0 | 4814 | | | | | | |
| | 16,0 | 9,0-11,0 | 4816 | | | | | | |
| | 18,0 | 11,0-13,0 | 4818 | | | | | | |
| | 21,0 | 13,0-16,0 | 4821 | | | | | | |
| | 25,0 | 16,0-20,0 | 4825 | | | | | | |
| 6,4 [+/-0,11] | 12,5 | 1,5-6,0 | 12016412 | 12,7 [+/-0,35] | ≤2,5 | ~3,70 | ≥31 | 4.900 | 3.950 |
|  Ø 6,5 | 16,0 | 6,0-8,0 | 6416 | | | | | | |

MFX 1204



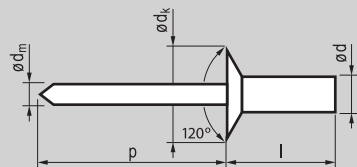
Aluminium [AlMg5]

Polished



Steel

Phosphated



closed end | countersunk head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|-------------------|------------------|-----------|----------|-------------------|------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 7,5 | 1,5-3,5 | 12043207 | 6,0 [+0/-0,4] | - | ~1,70 | ≥27 | 1.245 | 1.070 |
| [+/-0,08] | 9,0 | 3,0-5,0 | 3209 | | | | | | |
| | 10,5 | 4,5-6,5 | 3210 | | | | | | |
| $\varnothing 3,3$ | | | | | | | | | |
| 4,0 | 9,5 | 3,0-5,0 | 12044009 | 7,9 [+/-0,3] | - | ~2,20 | ≥27 | 2.240 | 1.710 |
| [+/-0,08] | 11,0 | 4,5-6,5 | 4011 | | | | | | |
| | 12,5 | 6,0-8,0 | 4012 | | | | | | |
| $\varnothing 4,1$ | | | | | | | | | |
| 4,8 | 9,5 | 2,5-4,5 | 12044809 | 9,5 [+/-0,4] | - | ~2,65 | ≥27 | 3.070 | 2.230 |
| [+/-0,08] | 11,0 | 4,0-6,0 | 4811 | | | | | | |
| | 12,5 | 5,5-7,5 | 4812 | | | | | | |
| $\varnothing 4,9$ | 14,0 | 7,0-9,0 | 4814 | | | | | | |
| | 15,5 | 8,5-10,5 | 4815 | | | | | | |
| | 19,0 | 12,0-14,0 | 4819 | | | | | | |

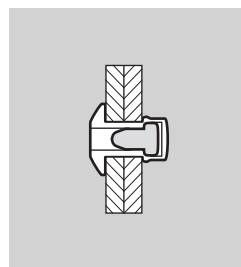
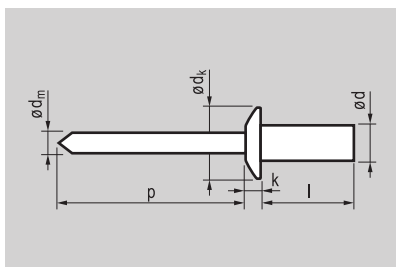
MFX 1211



Aluminium [Al99,5]
Polished



Aluminium
Polished



closed end | dome head

| Ø d [mm] | l [+1/-0,2] [mm] | [mm] | Item nr. | Ø d _k [mm] | k [mm] | Ø d _m [mm] | p [mm] | [N] | [N] |
|-------------------------|-----------------------------|---|----------------------------------|--------------------------|-----------|--------------------------|-----------|---------|---------|
| 3,2 [+/-0,08] | 8,0 9,5 | 0,5-3,5 3,5-5,5 | 12113208 3209 | 6,0 [+/-0,24] | ≤1,4 | ~1,80 | ≥27 | 490 | 450 |
| Ø 3,3 | | | | | | | | | |
| 4,0 [+/-0,08] | 9,5 12,5 | 0,5-5,0 5,0-8,0 | 12114009 4012 | 8,0 [+/-0,29] | ≤1,7 | ~2,20 | ≥27 | 820 | 580 |
| Ø 4,1 | | | | | | | | | |
| 4,8 [+/-0,08] | 9,5 11,5 14,5 18,0 | 1,0-4,5 4,5-6,5 6,5-9,5 9,5-13,0 | 12114809 4811 4814 4818 | 9,5 [+/-0,29] | ≤2,0 | ~2,65 | ≥27 | 1.120 | 900 |
| Ø 4,9 | | | | | | | | | |

MFX 1231



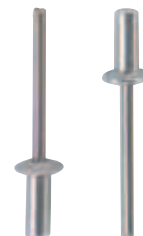
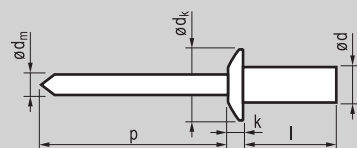
Aluminium [AlMg5]

Polished



Stainless steel [A2]

Polished



closed end | dome head

| Ø d | l [+1/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|------------|----------------|-----------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,5 | 0,5-2,0 | 12313206 | 6,0 [+/-0,24] | ≤1,4 | ~1,70 | ≥27 | 1.250 | 1.070 |
| [+/-0,08] | 8,0 | 2,0-3,5 | 3208 | | | | | | |
| | 9,5 | 3,5-5,0 | 3209 | | | | | | |
| Ø 3,3 | 11,0 | 5,0-6,5 | 3211 | | | | | | |
| | 12,7 | 6,5-8,0 | 3212 | | | | | | |
| 4,0 | 8,0 | 0,5-3,5 | 12314008 | 8,0 [+/-0,29] | ≤1,7 | ~2,18 | ≥27 | 2.240 | 1.700 |
| [+/-0,08] | 9,5 | 3,5-4,5 | 4009 | | | | | | |
| | 11,0 | 4,5-6,5 | 4011 | | | | | | |
| Ø 4,1 | 12,7 | 6,5-8,0 | 4012 | | | | | | |
| | | | | | | | | | |
| 4,8 | 8,0 | 1,0-3,0 | 12314808 | 9,5 [+/-0,29] | ≤2,0 | ~2,63 | ≥27 | 3.100 | 2.200 |
| [+/-0,08] | 9,5 | 3,0-4,5 | 4809 | | | | | | |
| | 11,0 | 4,5-6,0 | 4811 | | | | | | |
| Ø 4,9 | 12,5 | 6,0-7,5 | 4812 | | | | | | |
| | 14,0 | 7,5-9,0 | 4814 | | | | | | |
| | 16,0 | 9,0-11,0 | 4816 | | | | | | |
| | 18,0 | 11,0-13,0 | 4818 | | | | | | |
| | 21,0 | 13,0-16,0 | 4821 | | | | | | |

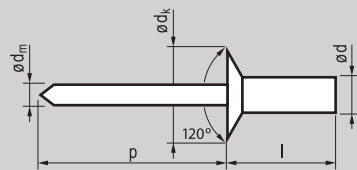
MFX 1234



Aluminium [AlMg5]
Polished



Stainless steel [A2]
Polished



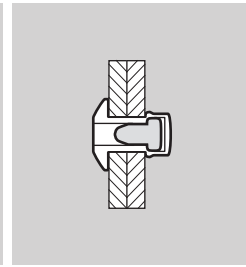
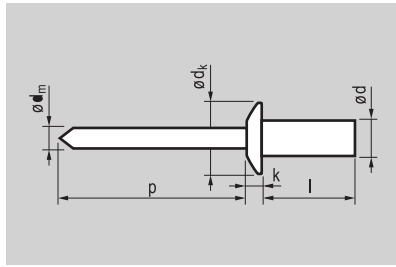
closed end | countersunk head

| Ø d | l [+1/-0,2] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|--------------------------------------|----------------------|---------------------------------|--------------------------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 [+/-0,08] Ø 3,3 | 9,0 | 3,0-5,0 | 12343209 | 6,0 [+0/-0,4] | - | ~1,70 | ≥27 | 1.245 | 1.070 |
| 4,0 [+/-0,08] Ø 4,1 | 9,5 11,0 | 3,0-5,0 4,5-6,5 | 12344009 4011 | 7,9 [+/-0,3] | - | ~2,20 | ≥27 | 2.240 | 1.710 |
| 4,8 [+/-0,08] Ø 4,9 | 11,0 14,0 18,0 | 4,0-6,0 7,0-9,0 11,0-13,0 | 12344811 4814 4818 | 9,5 [+/-0,4] | - | ~2,63 | ≥27 | 3.070 | 2.230 |





MFX 1241

 Steel
Zinc plated

 Steel
Zinc plated



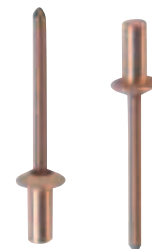
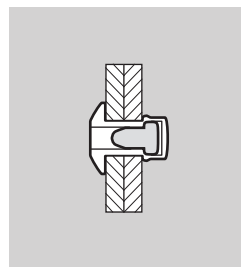
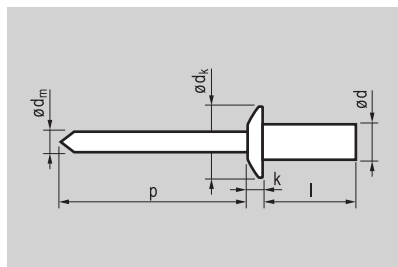
closed end | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|---|------------------|---|----------|-------------------|------------------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,0 | 0,5-1,5 | 12413206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 1,5-3,0 | 3208 | | | | | | |
|  | 9,5 | 3,0-5,0 | 3209 | 6,0 [+/-0,24] | 1,0 [+/- 0,3] | ~1,90 | ≥27 | 2.200 | 1.600 |
| Ø 3,3 | 12,0 | 5,0-7,0 | 3212 | | | | | | |
| 4,0 | 6,0 | 0,5-1,5 | 12414006 | | | | | | |
| [+0,08/-0,10] | 8,0 | 1,5-3,0 | 4008 | | | | | | |
|  | 10,0 | 3,0-5,0 | 4010 | 8,0 [+/-0,29] | 1,4 [+/- 0,3] | ~2,30 | ≥27 | 2.500 | 2.300 |
| Ø 4,1 | 12,0 | 5,0-6,5 | 4012 | | | | | | |
| | 15,0 | 6,5-10,5 | 4015 | | | | | | |
| 4,8 | 8,0 | 1,0-3,0 | 12414808 | | | | | | |
| [+0,08/-0,10] | 9,5 | 3,0-5,0 | 4809 | | | | | | |
|  | 12,0 | 5,0-6,5 | 4812 | 9,5 [+/-0,29] | 1,7 [+/- 0,3] | ~2,90 | ≥27 | 3.800 | 2.900 |
| Ø 4,9 | 16,0 | 6,5-10,5 | 4816 | | | | | | |







MFX 1251

 **Copper**
 Polished


 **Steel**
 Protection layer




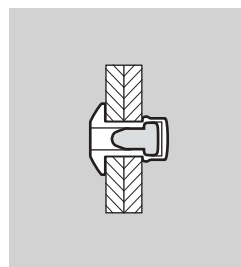
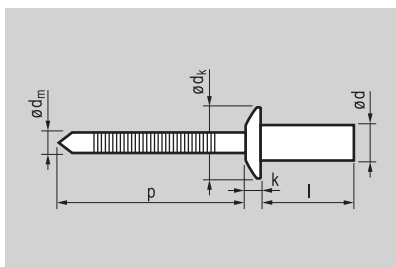
closed end | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|--------------------|------------|-------------------|-----------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,5 | 0,5-1,5 | 12513206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 1,5-3,0 | 3208 | 6,0 | $\leq 1,4$ | $\sim 1,70$ | ≥ 27 | 1.300 | 850 |
|  | 9,5 | 2,5-4,5 | 3209 | $6,0$ [+/-0,24] | | | | | |
| $\varnothing 3,3$ | 12,5 | 4,5-7,5 | 3212 | | | | | | |
| 4,0 | 8,0 | 0,5-2,0 | 12514008 | | | | | | |
| [+0,08/-0,10] | 10,0 | 2,0-4,0 | 4010 | 8,0 | $\leq 1,7$ | $\sim 2,18$ | ≥ 27 | 2.000 | 1.350 |
|  | | | | $8,0$ [+/-0,29] | | | | | |
| $\varnothing 4,1$ | | | | | | | | | |
| 4,8 | 9,5 | 1,0-2,5 | 12514809 | | | | | | |
| [+0,08/-0,10] | 11,5 | 2,5-4,5 | 4811 | 9,5 | $\leq 2,0$ | $\sim 2,63$ | ≥ 27 | 2.800 | 1.950 |
|  | | | | $9,5$ [+/-0,29] | | | | | |
| $\varnothing 4,9$ | | | | | | | | | |







MFX 1261

 **Stainless steel**_[A2]
Polished

 **Stainless steel**_[A2]
Polished



closed end | dome head

| Ø d | l [+1/-0,2] |  | Item nr. | Ø d _k | k | Ø d _m | p |  |  |
|---|----------------|---|----------|------------------|------|------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,0 | 0,5-1,5 | 12613206 | 6,0 [+/-0,24] | ≤1,4 | ~1,90 | ≥27 | 2.500 | 2.000 |
| [+0,08/-0,10] | 8,0 | 1,5-3,0 | 3208 | | | | | | |
|  | 9,5 | 3,0-5,0 | 3209 | | | | | | |
| Ø 3,3 | 12,0 | 5,0-7,0 | 3212 | | | | | | |
| 4,0 | 6,0 | 0,5-1,5 | 12614006 | 8,0 [+/-0,29] | ≤1,7 | ~2,30 | ≥27 | 4.000 | 3.000 |
| [+0,08/-0,10] | 8,0 | 1,5-3,0 | 4008 | | | | | | |
|  | 9,5 | 3,0-5,0 | 4009 | | | | | | |
| Ø 4,1 | 12,0 | 5,0-6,5 | 4012 | | | | | | |
| | 16,0 | 6,5-10,5 | 4016 | | | | | | |
| 4,8 | 8,0 | 1,0-3,0 | 12614808 | 9,5 [+/-0,29] | ≤2,0 | ~2,90 | ≥27 | 5.500 | 4.500 |
| [+0,08/-0,10] | 9,5 | 3,0-5,0 | 4809 | | | | | | |
|  | 12,0 | 5,0-6,5 | 4812 | | | | | | |
| Ø 4,9 | 16,0 | 6,5-10,5 | 4816 | | | | | | |
| | 20,0 | 10,5-14,0 | 4820 | | | | | | |

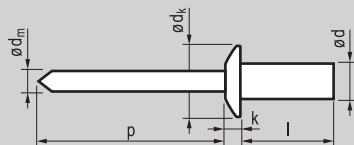
MFX 1281



Copper
Polished



Stainless steel [A2]
Polished



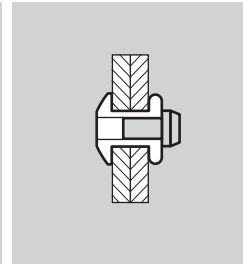
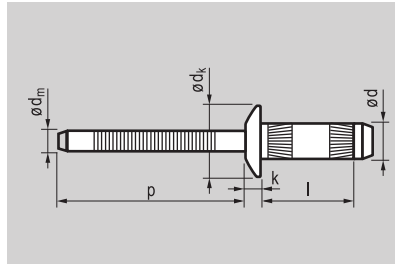
closed end | dome head

| Ø d | l | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|---------------|------|---------|----------|------------------|------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,5 | 0,5-1,5 | 12813206 | | | | | | |
| [+0,08/-0,10] | 8,0 | 1,0-3,0 | 3208 | 6,0 | ≤1,4 | ~1,70 | ≥27 | 1.300 | 850 |
| | 9,5 | 2,5-4,5 | 3209 | [+/-0,24] | | | | | |
| Ø 3,3 | 12,5 | 5,5-7,5 | 3212 | | | | | | |
| 4,0 | 8,0 | 0,5-3,0 | 12814008 | 8,0 | ≤1,7 | ~2,18 | ≥27 | 2.000 | 1.350 |
| [+0,08/-0,10] | 10,0 | 3,0-5,0 | 4010 | [+/-0,29] | | | | | |
| | | | | | | | | | |
| Ø 4,1 | | | | | | | | | |







MFX 1611

 **Stainless steel**
Polished

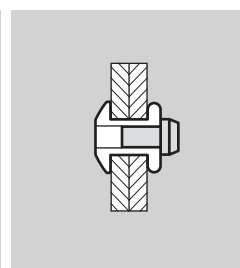
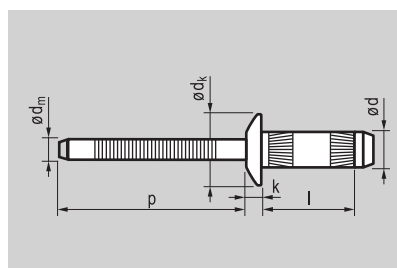
 **Stainless steel**
Polished



MASTERBULB | high strength | dome head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ [max.] | k [max.] | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-----------------------------|---------------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,6 | 1,0-3,0 | 16113207 | | | | | | 1.600 |
| [+0,09/-0,15] | 9,2 | 3,0-5,0 | 3209 | 6,8 | 1,4 | ~2,10 | ≥27 | 2.000 | 1.700 |
|  | 11,5 | 5,0-7,0 | 3211 | | | | | | 2.500 |
| Ø 3,3 [3,4 max] | | | | | | | | | |
| 4,0 | 7,5 | 1,0-3,0 | 16114008 | | | | | | |
| [+0,09/-0,15] | 9,5 | 3,0-5,0 | 4010 | 8,0 | 1,5 | ~2,60 | ≥27 | 4.000 | 4.200 |
|  | 12,5 | 5,0-7,0 | 4012 | | | | | | |
| Ø 4,1 [4,3 max] | | | | | | | | | |
| 4,8 | 10,0 | 1,5-3,5 | 16114809 | | | | | | |
| [+0,09/-0,15] | 12,0 | 3,5-6,0 | 4812 | 9,6 | 1,5 | ~3,20 | ≥27 | 5.000 | 5.500 |
|  | 14,3 | 6,0-8,5 | 4814 | | | | | | |
| Ø 4,9 [5,1 max] | | | | | | | | | |

MFX 1621



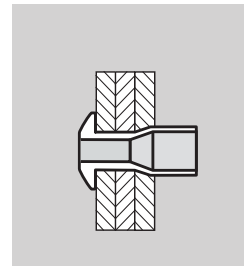
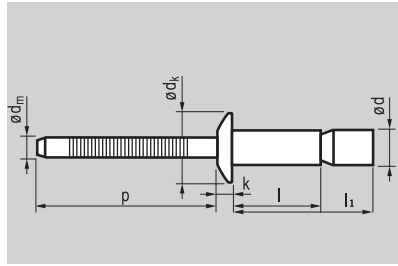
MASTERBULB | high strength | dome head

| $\varnothing d$ | l [+1/-0,2] | | Item nr. | $\varnothing d_k$ [max.] | k [max.] | $\varnothing d_m$ | p | | |
|-----------------|------------------|---------|----------|-----------------------------|---------------|-------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 3,2 | 6,6 | 1,0-3,0 | 16213207 | | | | | | 1.200 |
| [+0,09/-0,15] | 9,2 | 3,0-5,0 | 3209 | 6,8 | 1,4 | ~2,00 | ≥27 | 1.300 | 1.700 |
| | 11,5 | 5,0-7,0 | 3211 | | | | | | 2.500 |
| Ø 3,3 [3,4 max] | | | | | | | | | |
| 4,0 | 7,5 | 1,0-3,0 | 16214008 | | | | | | |
| [+0,09/-0,15] | 9,5 | 3,0-5,0 | 4010 | 8,0 | 1,5 | ~2,60 | ≥27 | 2.800 | 3.500 |
| | 12,5 | 5,0-7,0 | 4012 | | | | | | |
| Ø 4,1 [4,3 max] | | | | | | | | | |
| 4,8 | 10,0 | 1,5-3,5 | 16214809 | | | | | | |
| [+0,09/-0,15] | 12,0 | 3,5-6,0 | 4812 | 9,6 | 1,5 | ~3,00 | ≥27 | 3.800 | 4.200 |
| | 14,3 | 6,0-8,5 | 4814 | | | | | | |
| Ø 4,9 [5,1 max] | | | | | | | | | |





MFX 1761

 Steel
Zinc plated

 Steel
Zinc plated



P-LOCK | high strength | dome head


| $\varnothing d$ [mm] | l (1) [max.] [mm] |  [mm] | Item nr. | $\varnothing d_k$ [mm] | k [mm] | $\varnothing d_m$ [mm] | p [mm] |  [N] |  [N] |
|--|----------------------------|---|------------------|---------------------------|-------------|---------------------------|-------------|--|--|
| 6,4 [+0,18/-0,05] | 14,0 (23,7) 20,0 (33,0) | 2,03-9,53 2,03-15,87 | 17616414 6420 | 12,7 [+/-0,7] | $\leq 2,9$ | $\sim 4,00$ | ≥ 27 | 10.400 | 11.700 |
|  $\varnothing 6,6-7,0$ | | | | | | | | | |




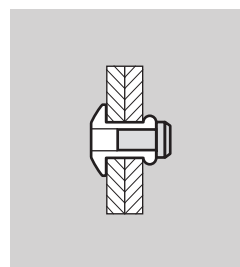
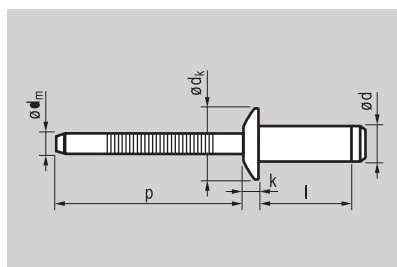
- This rivet requires to be set with a special nose piece.

- Minimal setting force required 13,5 kN
Check tool specifications for complete information.






MFX 1471

 Steel
Zinc plated


 Steel
Zinc plated




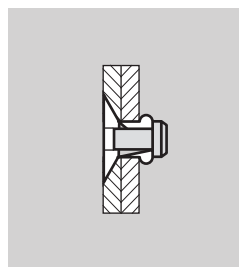
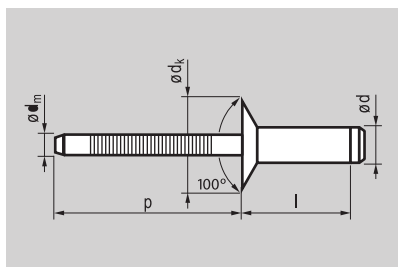
MASTERLOCK | high strength | dome head

| $\varnothing d$ | l [+1/-0,3] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|-----------------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 4,8 | 9,0 | 1,5-3,5 | 14714809 | 9,8 [+/-0,3] | 2,2 [+/-0,2] | ~3,02 | ≥32 | 3.600 | min. 3.920 max. 6.270 |
| [+0,11/-0,05] | 11,5 | 3,5-6,0 | 4811 | | | | | | |
|  | 14,0 | 6,0-8,5 | 4814 | | | | | | |
| Ø 4,9 [5,1 max] | 16,5 | 8,5-11,0 | 4816 | | | | | | |
| 6,4 | 10,5 | 2,8-4,8 | 14716410 | 13,0 [+/-0,3] | 3,0 [+/-0,2] | ~4,17 | ≥32 | 6.600 | min. 5.390 max. 11.180 |
| [+0,11/-0,05] | 12,5 | 4,8-6,8 | 6412 | | | | | | |
|  | 14,5 | 6,8-8,8 | 6414 | | | | | | |
| Ø 6,6 [6,8 max] | 16,5 | 8,8-10,8 | 6416 | | | | | | |
| | 18,5 | 10,8-12,8 | 6418 | | | | | | |
| | 20,5 | 12,8-14,8 | 6420 | | | | | | |





MFX 1474

 Steel
Zinc plated

 Steel
Zinc plated



MASTERLOCK | high strength | countersunk head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p |  |  |
|---|------------------|---|----------|-------------------|----------|-------------------|------|---|---|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 6,4 | 11,5 | 3,8-5,8 | 14746411 | | | | | | |
| [+0,11/-0,05] | 12,5 | 4,8-6,8 | 6412 | | | | | | |
|  | 13,5 | 5,8-7,8 | 6413 | 10,0 | 2,0 | ~4,17 | ≥32 | 5.490 | min. 5.390 |
| $\varnothing 6,6$ [6,8 max] | 15,5 | 7,8-9,8 | 6415 | [+/-0,3] | [+/-0,2] | | | | max.10.300 |
| | 17,5 | 9,8-11,8 | 6417 | | | | | | |
| | 19,5 | 11,8-13,8 | 6419 | | | | | | |

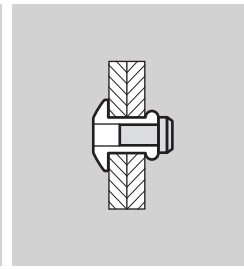
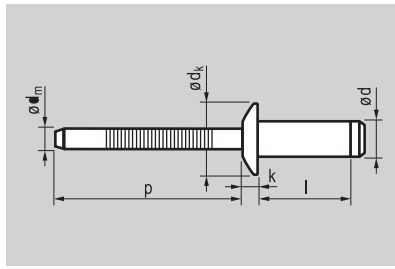
MFX 1511



Aluminium [AlMg2,5]
Polished



Aluminium [AlMg6,0]
Polished



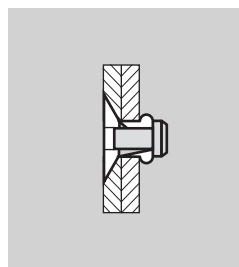
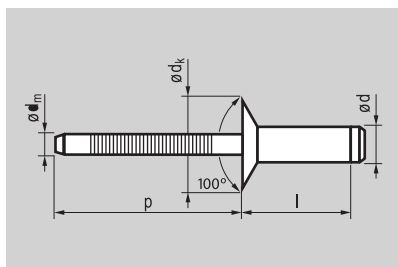
MASTERLOCK | high strength | dome head

| Ø d | l [+/-0,3] | | Item nr. | Ø d _k | k | Ø d _m | p | | |
|-----------------|---------------|-----------|----------|------------------|----------|------------------|------|-------|-------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 6,4 | 10,5 | 2,8-4,8 | 15116410 | | | | | | |
| [+0,11/-0,05] | 12,5 | 4,8-6,8 | 6412 | | | | | | |
| | 14,5 | 6,8-8,8 | 6414 | 13,0 | 3,0 | ~4,17 | ≥32 | 3.500 | 5.000 |
| Ø 6,6 [6,8 max] | 16,5 | 8,8-10,8 | 6416 | [+0/-0,3] | [+/-0,2] | | | | |
| | 18,5 | 10,8-12,8 | 6418 | | | | | | |
| | 20,5 | 12,8-14,8 | 6420 | | | | | | |



MFX 1514

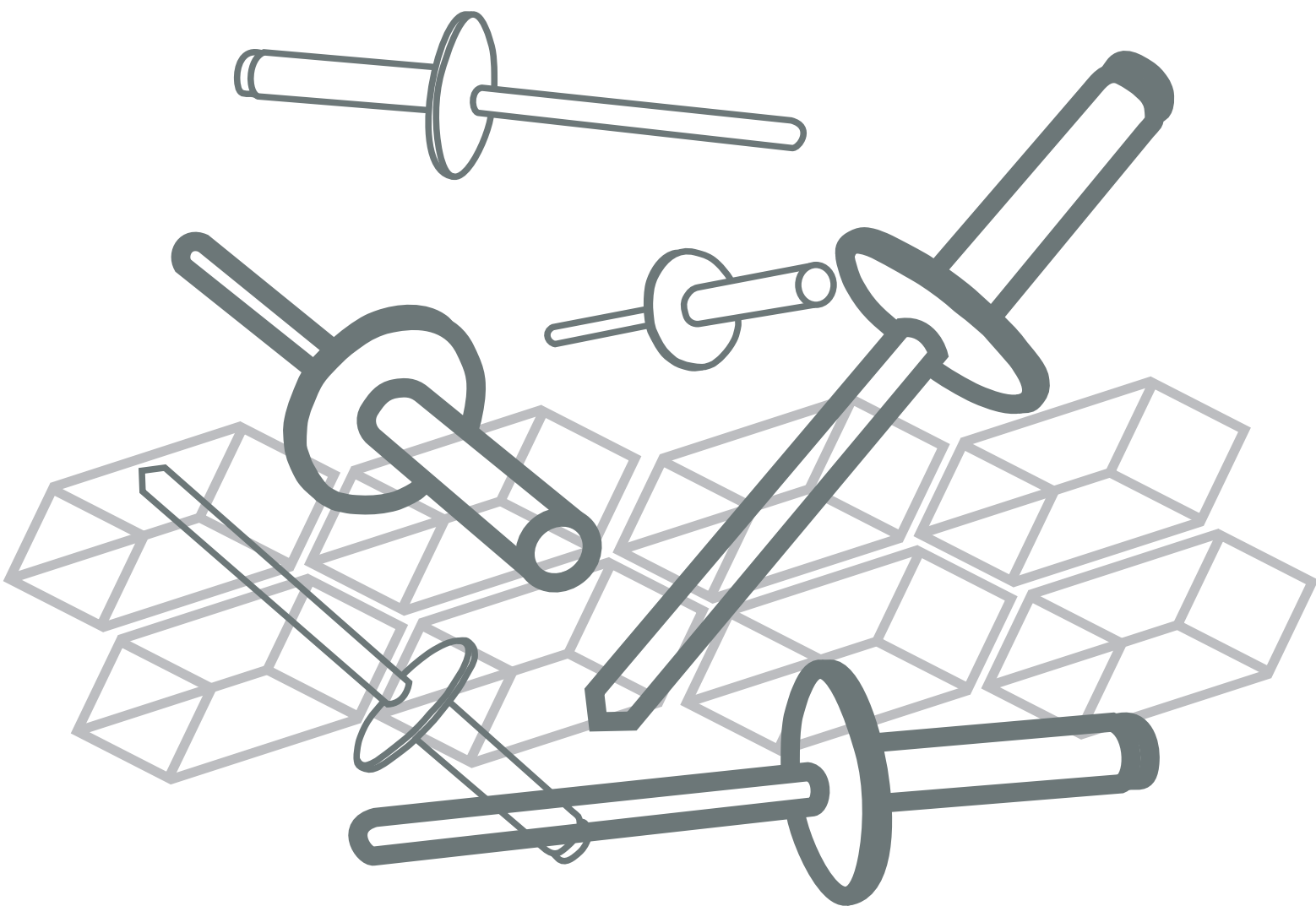
 Aluminium [AlMg2,5]
Polished

 Aluminium [AlMg6,0]
Polished



MASTERLOCK | high strength | countersunk head

| $\varnothing d$ | l [+1/-0,2] |  | Item nr. | $\varnothing d_k$ | k | $\varnothing d_m$ | p | $\frac{\pm}{\pm}$ | $\frac{\pm}{\pm}$ |
|---|---------------|---|----------|-------------------|-----------------|-------------------|------|-------------------|-------------------|
| [mm] | [mm] | [mm] | | [mm] | [mm] | [mm] | [mm] | [N] | [N] |
| 6,4 | 11,5 | 3,8-5,8 | 15146411 | | | | | | |
| [+0,11/-0,05] | 13,5 | 5,8-7,8 | 6413 | | | | | | |
|  | 15,5 | 7,8-9,8 | 6415 | | | | | | |
| $\varnothing 6,6$ [6,8 max] | 17,5 | 9,8-11,8 | 6417 | 10,0 [+0/-0,3] | 2,0 [+/-0,2] | ~4,17 | ≥32 | 3.000 | 4.000 |
| | 18,5 | 11,8-13,8 | 6419 | | | | | | |
| | 21,5 | 13,8-15,8 | 6421 | | | | | | |



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