

R-XPTII-A4 Stainless Steel Throughbolt

Stainless steel throughbolt for non-cracked concrete



Approvals and Reports

- ETA 17/0782



Product information

Features and benefits

- Stainless steel anchor for the highest corrosion resistance
- High performance in non-cracked concrete confirmed by ETA Option 7
- Highest quality ensures maximum load capability
- Fire resistant
- Suitable for reduced embedment to avoid contact with reinforcement
- Embedment depth markings help to ensure precise installation of the anchor
- Design of R-XPTII allows drilling and installing directly through the fixture and helps to reduce installation time

Applications

- Cladding restraint
- Curtain wall
- Balustrading
- Barriers
- Handrails
- Racking
- Structural steel
- Bollards

Base materials

Approved for use in:

- Non-cracked concrete C20/25-C50/60
- Reinforced concrete
- Unreinforced concrete

Also suitable for use in:

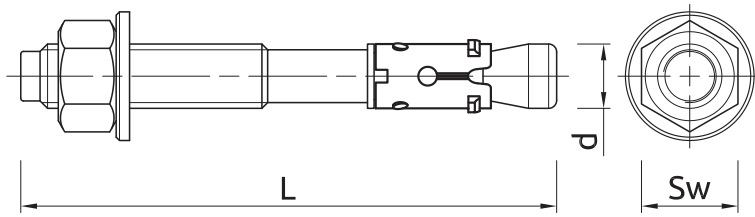
- Natural Stone

Installation guide



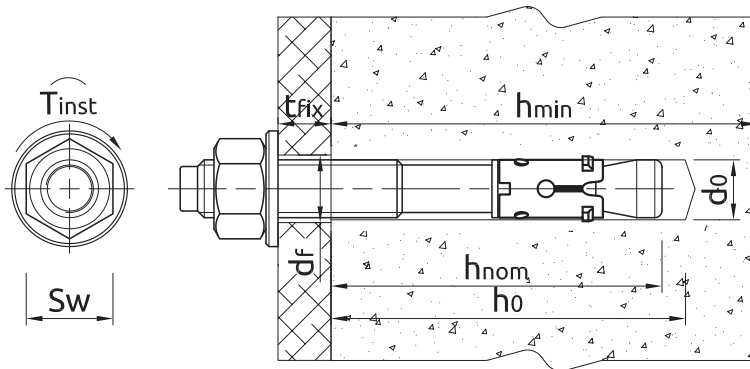
1. Drill a hole of required diameter and depth
2. Clear the hole of drilling dust and debris (using blowpump or equivalent method)
3. Lightly tap the throughbolt through the fixture into hole with a hammer, until fixing depth is reached
4. Insert bolt through fixture and tighten to the recommended torque

Product information



| Size | Product Code | Anchor | | Fixture | | |
|------|---------------------|----------|--------|-------------------------------|---------------|---------------|
| | | Diameter | Length | Max. thickness t_{fix} for: | | Hole diameter |
| | | d | L | $h_{nom,red}$ | $h_{nom,std}$ | d_f |
| | | [mm] | [mm] | [mm] | [mm] | [mm] |
| M6 | R-XPTIIA4-06050/10 | 6 | 50 | 10 | - | 7 |
| | R-XPTIIA4-06085/25 | 6 | 85 | 45 | 25 | 7 |
| M8 | R-XPTIIA4-08060/10 | 8 | 60 | 10 | - | 9 |
| | R-XPTIIA4-08075/10 | 8 | 75 | 25 | 10 | 9 |
| | R-XPTIIA4-08085/20 | 8 | 85 | 35 | 20 | 9 |
| | R-XPTIIA4-08095/30 | 8 | 95 | 45 | 30 | 9 |
| | R-XPTIIA4-08105/40 | 8 | 105 | 55 | 40 | 9 |
| | R-XPTIIA4-08115/50 | 8 | 115 | 65 | 50 | 9 |
| M10 | R-XPTIIA4-10065/5 | 10 | 65 | 5 | - | 11 |
| | R-XPTIIA4-10080/20 | 10 | 80 | 20 | - | 11 |
| | R-XPTIIA4-10095/15 | 10 | 95 | 35 | 15 | 11 |
| | R-XPTIIA4-10115/35 | 10 | 115 | 55 | 35 | 11 |
| | R-XPTIIA4-10130/50 | 10 | 130 | 70 | 50 | 11 |
| | R-XPTIIA4-10140/60 | 10 | 140 | 80 | 60 | 11 |
| M12 | R-XPTIIA4-12080/5 | 12 | 80 | 5 | - | 13 |
| | R-XPTIIA4-12100/5 | 12 | 100 | 25 | 5 | 13 |
| | R-XPTIIA4-12115/20 | 12 | 115 | 40 | 20 | 13 |
| | R-XPTIIA4-12125/30 | 12 | 125 | 50 | 30 | 13 |
| | R-XPTIIA4-12150/55 | 12 | 150 | 75 | 55 | 13 |
| | R-XPTIIA4-12180/85 | 12 | 180 | 105 | 85 | 13 |
| M16 | R-XPTIIA4-16125/5 | 16 | 125 | 25 | 5 | 18 |
| | R-XPTIIA4-16140/20 | 16 | 140 | 40 | 20 | 18 |
| | R-XPTIIA4-16150/30 | 16 | 150 | 50 | 30 | 18 |
| | R-XPTIIA4-16180/60 | 16 | 180 | 80 | 60 | 18 |
| M20 | R-XPTIIA4-20125/5 | 20 | 125 | 5 | - | 22 |
| | R-XPTIIA4-20160/20 | 20 | 160 | 40 | 20 | 22 |
| | R-XPTIIA4-20200/60 | 20 | 200 | 80 | 60 | 22 |
| | R-XPTIIA4-20300/160 | 20 | 300 | 180 | 160 | 22 |
| M24 | R-XPTIIA4-24260/100 | 24 | 260 | 115 | 100 | 26 |

Installation data



| Size | | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|---|--------------------|------|----|-----|-----|-----|-----|-----|-----|
| Thread diameter | d | [mm] | 6 | 8 | 10 | 12 | 16 | 20 | 24 |
| Hole diameter in substrate | d ₀ | [mm] | 6 | 8 | 10 | 12 | 16 | 20 | 24 |
| Installation torque | T _{inst} | [Nm] | 5 | 15 | 30 | 50 | 100 | 200 | 300 |
| Wrench size | Sw | [mm] | 10 | 13 | 17 | 19 | 24 | 30 | 36 |
| STANDARD EMBEDMENT DEPTH | | | | | | | | | |
| Min. hole depth in substrate | h _{0,s} | [mm] | 55 | 60 | 75 | 85 | 105 | 125 | 140 |
| Installation depth | h _{nom,s} | [mm] | 50 | 55 | 69 | 80 | 100 | 119 | 135 |
| Min. substrate thickness | h _{min,s} | [mm] | 84 | 100 | 120 | 140 | 170 | 200 | 240 |
| Min. spacing (Non-cracked concrete) | s _{min,s} | [mm] | 45 | 65 | 90 | 110 | 170 | 140 | 180 |
| Min. edge distance (Non-cracked concrete) | c _{min,s} | [mm] | 50 | 50 | 60 | 85 | 90 | 160 | 200 |
| REDUCED EMBEDMENT DEPTH | | | | | | | | | |
| Min. hole depth in substrate | h _{0,r} | [mm] | 35 | 45 | 55 | 65 | 85 | 105 | 125 |
| Installation depth | h _{nom,r} | [mm] | 30 | 40 | 49 | 60 | 80 | 99 | 120 |
| Min. substrate thickness | h _{min,r} | [mm] | 80 | 100 | 100 | 100 | 130 | 160 | 200 |
| Min. spacing (Non-cracked concrete) | s _{min,r} | [mm] | 40 | 65 | 115 | 150 | 190 | 125 | 160 |
| Min. edge distance (Non-cracked concrete) | c _{min,r} | [mm] | 45 | 50 | 80 | 100 | 120 | 125 | 160 |

Mechanical properties

| Size | | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|---|--------------------------------|----------------------|------|------|------|-------|-------|-------|--------|
| Nominal ultimate tensile strength - tension | f _{uk} | [N/mm ²] | 600 | 600 | 600 | 550 | 550 | 700 | 700 |
| Nominal yield strength - tension | f _{yk} | [N/mm ²] | 450 | 450 | 450 | 413 | 413 | 525 | 525 |
| Cross sectional area - tension | A _s | [mm ²] | 20.1 | 36.6 | 58 | 84.3 | 157 | 245 | 353 |
| Elastic section modulus | W _{el} | [mm ³] | 21.2 | 50.3 | 98.2 | 169.6 | 402.1 | 785.4 | 1357.2 |
| Characteristic bending resistance | M ⁰ _{Rk,s} | [Nm] | 15.3 | 36.2 | 70.7 | 112 | 265.4 | 659.7 | 1140 |
| Design bending resistance | M | [Nm] | 10.2 | 24.1 | 47.1 | 74.6 | 176.9 | 439.8 | 760 |

Basic performance data

Performance data for single anchor without influence of edge distance and spacing

| Size | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--------------------------------------|------|------|-------|-------|-------|-------|--------|--------|
| MEAN ULTIMATE LOAD | | | | | | | | |
| TENSION LOAD N_{Ru,m} | | | | | | | | |
| Standard embedment depth | [kN] | 9.80 | 15.40 | 22.80 | 30.39 | 55.80 | 68.50 | 82.80 |
| Reduced embedment depth | [kN] | 5.70 | 10.40 | 16.00 | 22.10 | 37.90 | 44.60 | 62.70 |
| SHEAR LOAD V_{Ru,m} | | | | | | | | |
| Standard embedment depth | [kN] | 7.68 | 14.00 | 22.20 | 29.60 | 54.50 | 108.80 | 156.80 |
| Reduced embedment depth | [kN] | 7.68 | 14.00 | 22.20 | 29.60 | 54.50 | 108.80 | 156.80 |

Basic performance data

| Size | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--|------|------|-------|-------|-------|-------|-------|--------|
| CHARACTERISTIC LOAD | | | | | | | | |
| TENSION LOAD N_{Rk} | | | | | | | | |
| Standard embedment depth | [kN] | 7.50 | 9.00 | 16.00 | 25.00 | 39.50 | 54.30 | 64.70 |
| Reduced embedment depth | [kN] | 4.50 | 7.50 | 12.00 | 16.80 | 26.40 | 35.40 | 48.10 |
| SHEAR LOAD V_{Rk} | | | | | | | | |
| Standard embedment depth | [kN] | 6.40 | 11.70 | 18.50 | 24.60 | 45.40 | 90.70 | 130.70 |
| Reduced embedment depth | [kN] | 6.40 | 11.70 | 14.70 | 24.60 | 45.40 | 90.70 | 130.70 |
| DESIGN LOAD | | | | | | | | |
| TENSION LOAD N_{Rd} | | | | | | | | |
| Standard embedment depth | [kN] | 3.47 | 5.00 | 10.70 | 16.70 | 26.30 | 25.10 | 30.00 |
| Reduced embedment depth | [kN] | 2.08 | 4.17 | 6.67 | 11.20 | 17.60 | 16.40 | 22.30 |
| SHEAR LOAD V_{Rd} | | | | | | | | |
| Standard embedment depth | [kN] | 5.12 | 9.36 | 14.80 | 19.70 | 36.30 | 72.60 | 104.50 |
| Reduced embedment depth | [kN] | 5.12 | 9.36 | 8.17 | 19.70 | 36.30 | 72.60 | 104.50 |
| RECOMMENDED LOAD | | | | | | | | |
| TENSION LOAD N_{rec} | | | | | | | | |
| Standard embedment depth | [kN] | 2.48 | 3.57 | 7.62 | 11.90 | 18.80 | 18.00 | 21.40 |
| Reduced embedment depth | [kN] | 1.49 | 2.98 | 4.76 | 8.00 | 12.60 | 11.70 | 15.90 |
| SHEAR LOAD V_{rec} | | | | | | | | |
| Standard embedment depth | [kN] | 3.66 | 6.69 | 10.60 | 14.10 | 25.90 | 51.80 | 74.70 |
| Reduced embedment depth | [kN] | 3.66 | 6.69 | 5.83 | 14.10 | 25.90 | 51.80 | 74.70 |

Design performance data

Standard embedment depth

| Size | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|---|-----------------|--------|--------|--------|--------|--------|--------|--------|
| Effective embedment depth | h_{ef} [mm] | 42.00 | 47.00 | 59.00 | 68.00 | 85.00 | 99.00 | 112.00 |
| TENSION LOAD | | | | | | | | |
| STEEL FAILURE | | | | | | | | |
| Characteristic resistance | $N_{Rk,s}$ [kN] | 11.60 | 21.20 | 33.60 | 44.80 | 82.60 | 103.60 | 197.80 |
| Design resistance $V_{Ms} = 1.5$ | $N_{Rd,s}$ [kN] | 7.75 | 14.10 | 22.40 | 29.90 | 55.10 | 69.10 | 131.90 |
| PULL-OUT FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | |
| Characteristic resistance | $N_{Rk,p}$ [kN] | 7.50 | 9.00 | 16.00 | 25.00 | - | - | - |
| Design resistance $V_{Mp} = 2.16$ | $N_{Rd,p}$ [kN] | 3.47 | - | - | - | - | - | - |
| Design resistance $V_{Mp} = 1.8$ | $N_{Rd,p}$ [kN] | - | 5.00 | - | - | - | - | - |
| Design resistance $V_{Mp} = 1.5$ | $N_{Rd,p}$ [kN] | - | - | 10.70 | 16.70 | - | - | - |
| CONCRETE CONE FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | |
| Characteristic resistance | $N_{Rk,c}$ [kN] | - | - | - | - | 39.50 | 54.30 | 64.70 |
| Design resistance $V_{Mc} = 2.16$ | $N_{Rd,c}$ [kN] | - | - | - | - | - | 25.10 | 30.00 |
| Design resistance $V_{Mc} = 1.5$ | $N_{Rd,c}$ [kN] | - | - | - | - | 26.30 | - | - |
| Increasing factors for $N_{Rd,p} - C30/37$ | ψ_c | 1.46 | 1.46 | 1.37 | 1.20 | 1.18 | 1.18 | 1.18 |
| Increasing factors for $N_{Rd,p} - C40/50$ | ψ_c | 1.91 | 1.91 | 1.73 | 1.40 | 1.37 | 1.37 | 1.37 |
| Increasing factors for $N_{Rd,p} - C50/60$ | ψ_c | 2.36 | 2.36 | 2.10 | 1.60 | 1.55 | 1.55 | 1.55 |
| Spacing | $s_{cr,N}$ [mm] | 126.00 | 141.00 | 177.00 | 204.00 | 255.00 | 297.00 | 336.00 |
| Edge distance | $c_{cr,N}$ [mm] | 63.00 | 71.00 | 89.00 | 102.00 | 128.00 | 149.00 | 168.00 |

Design performance data

| Size | | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--|-------------|------|-------|-------|-------|-------|--------|--------|--------|
| SHEAR LOAD | | | | | | | | | |
| CONCRETE EDGE FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Edge distance | c_1 | [mm] | 50.00 | 55.00 | 65.00 | 90.00 | 105.00 | 160.00 | 200.00 |
| Characteristic resistance for c_1 | $V_{Rk,c}$ | [kN] | 6.39 | 7.71 | 10.04 | 16.86 | 22.48 | 41.60 | 58.60 |
| Design resistance $V_{M_c} = 1.8$ | $V_{Rd,c}$ | [kN] | 3.55 | 4.28 | - | - | - | 23.10 | 32.60 |
| Design resistance $V_{M_c} = 1.5$ | $V_{Rd,c}$ | [kN] | - | - | 5.58 | 9.37 | 12.48 | - | - |
| CONCRETE PRY-OUT FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Characteristic resistance | $V_{Rk,cp}$ | [kN] | - | - | - | - | - | - | - |
| Design resistance | $V_{Rd,cp}$ | [kN] | - | - | - | - | - | - | - |
| STEEL FAILURE | | | | | | | | | |
| Characteristic resistance without lever arm | $V_{Rk,s}$ | [kN] | 6.40 | 11.70 | 18.50 | 24.60 | 45.40 | 90.70 | 130.70 |
| Design resistance $V_{M_s} = 1.25$ | $V_{Rd,s}$ | [kN] | 5.12 | 9.36 | 14.80 | 19.70 | 36.30 | 72.60 | 104.50 |

Reduced embedment depth

| Size | | | M6 | M8 | M10 | M12 | M16 | M20 | M24 |
|--|-------------|------|-------|-------|--------|--------|--------|--------|--------|
| Effective embedment depth | h_{ef} | [mm] | 22.00 | 32.00 | 39.00 | 48.00 | 65.00 | 79.00 | 97.00 |
| TENSION LOAD | | | | | | | | | |
| STEEL FAILURE | | | | | | | | | |
| Characteristic resistance | $N_{Rk,s}$ | [kN] | 11.60 | 21.20 | 33.60 | 44.80 | 82.60 | 103.60 | 197.80 |
| Design resistance $V_{M_s} = 1.5$ | $N_{Rd,s}$ | [kN] | 7.75 | 14.10 | 22.40 | 29.90 | 55.10 | 69.10 | 131.90 |
| PULL-OUT FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Characteristic resistance | $N_{Rk,p}$ | [kN] | 4.50 | 7.50 | 12.00 | - | - | - | - |
| Design resistance $V_{M_p} = 2.16$ | $N_{Rd,p}$ | [kN] | 2.08 | - | - | - | - | - | - |
| Design resistance $V_{M_p} = 1.8$ | $N_{Rd,p}$ | [kN] | - | 4.17 | 6.67 | - | - | - | - |
| CONCRETE CONE FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Characteristic resistance | $N_{Rk,c}$ | [kN] | - | - | - | 16.80 | 26.40 | 35.40 | 48.10 |
| Design resistance $V_{M_c} = 2.16$ | $N_{Rd,c}$ | [kN] | - | - | - | - | - | 16.39 | 22.30 |
| Design resistance $V_{M_c} = 1.5$ | $N_{Rd,c}$ | [kN] | - | - | - | 11.20 | 17.60 | - | - |
| Increasing factors for $N_{Rd,p}$ - C30/37 | ψ_c | - | 1.07 | 1.07 | 1.11 | 1.16 | 1.18 | 1.18 | 1.18 |
| Increasing factors for $N_{Rd,p}$ - C40/50 | ψ_c | - | 1.13 | 1.13 | 1.22 | 1.32 | 1.37 | 1.37 | 1.37 |
| Increasing factors for $N_{Rd,p}$ - C50/60 | ψ_c | - | 1.20 | 1.20 | 1.33 | 1.49 | 1.55 | 1.55 | 1.55 |
| Spacing | $s_{cr,N}$ | [mm] | 66.00 | 96.00 | 117.00 | 144.00 | 195.00 | 237.00 | 291.00 |
| Edge distance | $c_{cr,N}$ | [mm] | 33.00 | 48.00 | 59.00 | 72.00 | 98.00 | 119.00 | 146.00 |
| SHEAR LOAD | | | | | | | | | |
| CONCRETE EDGE FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Edge distance | c_1 | [mm] | 45.00 | 50.00 | 65.00 | 100.00 | 120.00 | 125.00 | 160.00 |
| Characteristic resistance for c_1 | $V_{Rk,c}$ | [kN] | 5.05 | 6.37 | 9.67 | 18.40 | 25.60 | 28.80 | 42.50 |
| Design resistance $V_{M_c} = 1.8$ | $V_{Rd,c}$ | [kN] | 2.80 | 3.54 | 5.37 | - | - | 16.00 | 23.60 |
| Design resistance $V_{M_c} = 1.5$ | $V_{Rd,c}$ | [kN] | - | - | - | 12.20 | 17.10 | - | - |
| CONCRETE PRY-OUT FAILURE; NON-CRACKED CONCRETE C20/25 | | | | | | | | | |
| Characteristic resistance | $V_{Rk,cp}$ | [kN] | - | - | 14.70 | - | - | - | - |
| Design resistance $V_{M_c} = 1.8$ | $V_{Rd,cp}$ | [kN] | - | - | 8.18 | - | - | - | - |
| STEEL FAILURE | | | | | | | | | |
| Characteristic resistance without lever arm | $V_{Rk,s}$ | [kN] | 6.40 | 11.70 | 18.50 | 24.60 | 45.40 | 90.70 | 130.70 |
| Design resistance $V_{M_s} = 1.25$ | $V_{Rd,s}$ | [kN] | 5.12 | 9.36 | 14.80 | 19.70 | 36.30 | 72.60 | 104.50 |

Product commercial data

| Size | Product Code | Anchor | | Quantity [pcs] | | | Weight [kg] | | | Bar Codes |
|------|-----------------------------------|---------------|-------------|----------------|-------|--------|-------------|-------|--------|---------------|
| | | Diameter [mm] | Length [mm] | Box | Outer | Pallet | Box | Outer | Pallet | |
| M6 | R-XPTIIA4-06050/10 ¹⁾ | 6 | 50 | 100 | 100 | 16000 | 1.27 | 1.27 | 233.0 | 5906675100081 |
| | R-XPTIIA4-06085/25 ¹⁾ | 6 | 85 | 100 | 100 | 16000 | 1.84 | 1.84 | 324.6 | 5906675100104 |
| M8 | R-XPTIIA4-08060/10 ¹⁾ | 8 | 60 | 100 | 100 | 16000 | 2.6 | 2.6 | 445.8 | 5906675047232 |
| | R-XPTIIA4-08075/10 ¹⁾ | 8 | 75 | 100 | 100 | 16000 | 3.1 | 3.1 | 519.6 | 5906675047249 |
| | R-XPTIIA4-08085/20 ¹⁾ | 8 | 85 | 100 | 100 | 16000 | 3.4 | 3.4 | 570.8 | 5906675047256 |
| | R-XPTIIA4-08095/30 ¹⁾ | 8 | 95 | 100 | 100 | 12000 | 3.7 | 3.7 | 473.9 | 5906675047263 |
| | R-XPTIIA4-08105/40 ¹⁾ | 8 | 105 | 100 | 100 | 16000 | 4.0 | 4.0 | 671.8 | 5906675047270 |
| | R-XPTIIA4-08115/50 ¹⁾ | 8 | 115 | 100 | 100 | 16000 | 4.3 | 4.3 | 721.7 | 5906675047287 |
| M10 | R-XPTIIA4-10065/5 ¹⁾ | 10 | 65 | 50 | 50 | 8000 | 2.4 | 2.4 | 409.8 | 5906675047294 |
| | R-XPTIIA4-10080/20 ¹⁾ | 10 | 80 | 50 | 50 | 8000 | 2.8 | 2.8 | 470.6 | 5906675047300 |
| | R-XPTIIA4-10095/15 ¹⁾ | 10 | 95 | 50 | 50 | 8000 | 3.1 | 3.1 | 529.7 | 5906675047317 |
| | R-XPTIIA4-10115/35 ¹⁾ | 10 | 115 | 50 | 50 | 6000 | 3.7 | 3.7 | 470.3 | 5906675047324 |
| | R-XPTIIA4-10130/50 ¹⁾ | 10 | 130 | 50 | 50 | 6000 | 4.0 | 4.0 | 510.1 | 5906675047331 |
| | R-XPTIIA4-10140/60 ¹⁾ | 10 | 140 | 50 | 50 | 8000 | 4.2 | 4.2 | 708.7 | 5906675047348 |
| M12 | R-XPTIIA4-12080/5 ¹⁾ | 12 | 80 | 50 | 50 | 8000 | 4.1 | 4.1 | 684.1 | 5906675047355 |
| | R-XPTIIA4-12100/5 ¹⁾ | 12 | 100 | 50 | 50 | 8000 | 4.8 | 4.8 | 799.1 | 5906675047362 |
| | R-XPTIIA4-12115/20 ¹⁾ | 12 | 115 | 50 | 50 | 6000 | 5.4 | 5.4 | 676.8 | 5906675324548 |
| | R-XPTIIA4-12125/30 ¹⁾ | 12 | 125 | 50 | 50 | 6000 | 5.8 | 5.8 | 720.5 | 5906675047379 |
| | R-XPTIIA4-12150/55 ¹⁾ | 12 | 150 | 50 | 50 | 4000 | 6.7 | 6.7 | 562.2 | 5906675047386 |
| | R-XPTIIA4-12180/85 ¹⁾ | 12 | 180 | 50 | 50 | 4000 | 7.8 | 7.8 | 652.1 | 5906675047393 |
| M16 | R-XPTIIA4-16125/5 ¹⁾ | 16 | 125 | 25 | 25 | 4000 | 5.3 | 5.3 | 875.6 | 5906675047409 |
| | R-XPTIIA4-16140/20 ¹⁾ | 16 | 140 | 25 | 25 | 4000 | 5.8 | 5.8 | 956.9 | 5906675047416 |
| | R-XPTIIA4-16150/30 ¹⁾ | 16 | 150 | 25 | 25 | 4000 | 5.7 | 5.7 | 946.0 | 5906675047430 |
| | R-XPTIIA4-16180/60 ¹⁾ | 16 | 180 | 25 | 25 | 3000 | 7.1 | 7.1 | 886.1 | 5906675047447 |
| M20 | R-XPTIIA4-20125/5 ¹⁾ | 20 | 125 | 25 | 25 | 3000 | 8.5 | 8.5 | 1048.7 | 5906675100241 |
| | R-XPTIIA4-20160/20 ¹⁾ | 20 | 160 | 25 | 25 | 3000 | 10.4 | 10.4 | 1271.9 | 5906675100364 |
| | R-XPTIIA4-20200/60 ¹⁾ | 20 | 200 | 10 | 10 | 1200 | 5.0 | 5.0 | 631.4 | 5906675100401 |
| | R-XPTIIA4-20300/160 ¹⁾ | 20 | 300 | | | | | | | |
| M24 | R-XPTIIA4-24260/100 ¹⁾ | 24 | 260 | | | | | | | |

1) ETA 17/0782