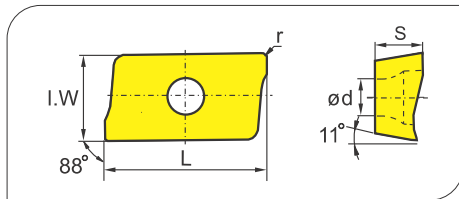


# Milling · Fräsen

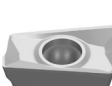
## Indexable Milling Tools · Wendepplattenfräser

■ Applicable inserts · Wendeschneidplatten

- Ideal Machining Condition  
Gute Bearbeitungsbedingungen  
● Normal Machining Condition  
Normale Bearbeitungsbedingungen  
● Unfavorable Machining Condition  
Ungünstige Bearbeitungsbedingungen



| Workpiece Material<br>Werkstoffe               | P | M | K | N | S |
|------------------------------------------------|---|---|---|---|---|
| Steel<br>Stahl                                 | ● | ● | ● | ● | ● |
| Stainless Steel<br>Rostfreier Stahl            | ● | ● | ● | ● | ● |
| Cast iron<br>Gusseisen                         | ● | ● | ● | ● | ● |
| Non-ferrous material<br>Nichtmetalle           | ● | ● | ● | ● | ● |
| Heat-resistant steel<br>Wärmebeständiger Stahl | ● | ● | ● | ● | ● |

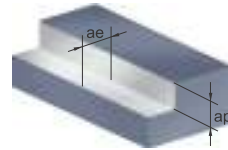
| Insert shape<br>Plattenform                                                         | Type<br>Typ       | Dimensions (mm)<br>Abmessungen |      |      |     |     | CVD Coating<br>CVD Beschicht. |        |        |        |        |        |        |        | PVD Coating<br>PVD Beschicht. |        |        |        |        |        | Cermet<br>Cermet | Carbide uncoat,<br>unbe. Hartmetall |         |       |       |
|-------------------------------------------------------------------------------------|-------------------|--------------------------------|------|------|-----|-----|-------------------------------|--------|--------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|--------|------------------|-------------------------------------|---------|-------|-------|
|                                                                                     |                   | L                              | I.W  | S    | d   | r   | YBC301                        | YBC302 | YBC401 | YBM251 | YBM253 | YBM351 | YBD152 | YBD252 | YBG102                        | YBG202 | YBG205 | YBG302 | YBG152 | YBG252 |                  | YNG151                              | YNG151C | YC30S | YD101 |
|    | APKT11T304-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 | ○                             |        |        | ●      |        |        |        |        | ●                             | ●      |        | ●      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T308-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        | ○      |        |        |        |        |                               | ●      |        |        |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T312-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        |        |        |        |        |        |                               | ○      |        |        |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T316-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        |        |        |        |        |        |                               | ○      |        |        |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT160408-PF     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 | ●                             |        |        | ○      |        | ●      |        |        |                               | ●      |        | ●      |        |        |                  |                                     |         |       |       |
|   | APKT11T304-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 | ●                             | ●      | ○      | ●      |        | ●      |        |        | ●                             | ●      |        | ●      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T308-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 | ●                             | ●      |        | ●      | ●      | ●      | ●      | ●      | ●                             | ●      | ●      | ●      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T312-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        | ○      |        |        |        |        | ○                             | ●      |        |        |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T316-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        | ●      |        |        |        |        | ○                             | ●      |        |        |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT160408-PM     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 | ●                             | ●      | ●      | ●      | ●      | ●      | ●      | ●      | ●                             | ●      | ●      | ●      | ●      |        |                  |                                     |         |       |       |
|  | APKT11T304-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 |                               |        | ●      |        |        | ○      |        |        |                               |        |        | ○      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T308-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T312-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT11T316-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |        |                  |                                     |         |       |       |
|                                                                                     | APKT160408-PR     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |        |                  |                                     |         |       |       |
|  | APKT11T304-LH     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |        |                  |                                     |         | ●     | ●     |
|                                                                                     | APKT11T308-LH     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |        |                  |                                     |         | ●     | ●     |
|                                                                                     | APET160402-LH     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.2 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |        |                  |                                     |         | ○     |       |
|                                                                                     | APKT160408-LH     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |        |                  |                                     |         | ●     | ●     |
|                                                                                     | APET160408PDFR-LH | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |        |                  |                                     |         |       | ○     |

● Ex Stock / ab Lager ○ On demand / auf Anfrage

### Chipbreaker Selection EMP01 · Spanbrecher Auswahl EMP01

| Application<br>Anwendung | Finishing<br>Schlichten | Semi-Finishing<br>Mittlere Bearbeitung | Roughing<br>Schruppen |
|--------------------------|-------------------------|----------------------------------------|-----------------------|
| <b>P</b>                 | -PF                     | -PM                                    | -PR                   |
| <b>M</b>                 | -PF                     | -PM                                    | -PR                   |
| <b>K</b>                 | -PF                     | -PM                                    |                       |
| <b>AL</b>                | -LH                     |                                        |                       |

### 1 Square shoulder milling 1 Eckfräsen

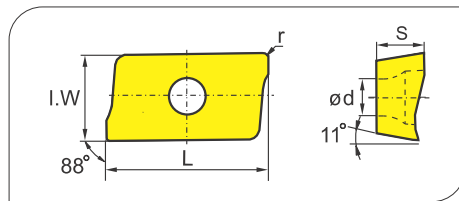


### Recommended cutting data · Empfohlene Schnittdaten

| Workpiece material<br>Werkstück Material |                                                                                     | Hardness<br>HB<br>Härte | Grade<br>Sorte   | Cutting data<br>Schnittdaten |                |               |                |        |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|------------------|------------------------------|----------------|---------------|----------------|--------|
|                                          |                                                                                     |                         |                  | V(m/min)                     | f(mm/z)        |               |                | ae(mm) |
|                                          |                                                                                     |                         |                  |                              | -PF            | -PM           | -PR            |        |
| P                                        | Low-carbon steel<br>Soft steel<br>Niedrig legierter<br>Kohlenstoffstahl<br>Baustahl | ≤180                    | YBM251<br>YBC301 | 320 (240-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 260 (180-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 320 (200-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 280 (180-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          | High-carbon<br>steel Alloy steel<br>Hoch Leg.<br>Kohlenstoffstahl<br>Leg. Stahl     | 180-280                 | YBM251<br>YBC301 | 280 (210-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 240 (160-320)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 280 (180-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 260 (150-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          | Alloy tool steel<br>Leg.<br>Werkzeugstahl                                           | 280-350                 | YBM251<br>YBC301 | 260 (180-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 220 (150-280)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 260 (160-330)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 240 (120-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
| M                                        | Stainless steel<br>Rostfreier Stahl                                                 | ≤270                    | YBM251           | 200 (120-270)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 180 (150-300)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 200 (110-300)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 170 (100-280)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
| K                                        | Cast iron<br>Gusseisen                                                              | 180-250                 | YBG102           | 220 (120-250)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | -              | ≤0.5D  |
|                                          |                                                                                     |                         | YBD152           | 240 (180-300)                | -              | 0.2 (0.1-0.3) | -              | ≤0.5D  |
|                                          |                                                                                     |                         | YBD252           | 200 (120-320)                | -              | 0.2 (0.1-0.3) | -              | ≤0.5D  |
| N                                        |                                                                                     |                         |                  |                              | -LH            |               |                |        |
|                                          | Al alloy<br>Al Leg.                                                                 | --                      | YD101            | 300-                         | 0.2 (0.08-0.4) |               |                | ≤0.5D  |
|                                          |                                                                                     |                         | YD201            | 300-                         | 0.2 (0.08-0.4) |               |                | ≤0.5D  |

## Indexable Milling Tools - Wendeplattenfräser

■ Applicable inserts · Wendeschneidplatten



 Ideal Machining Condition  
Gute Bearbeitungsbedingungen

 Normal Machining Condition  
Normale Bearbeitungsbedingungen

 Unfavorable Machining Condition  
Ungünstige Bearbeitungsbedingungen

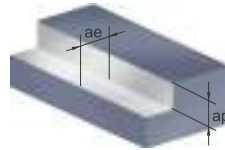
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● Ex Stock / ab Lager    ○ On demand / auf Anfrage

### Chipbreaker Selection · Spanbrecher Auswahl

| Application<br>Anwendung | Finishing<br>Schlichten | Semi-Finishing<br>Mittlere Bearbeitung | Roughing<br>Schruppen |
|--------------------------|-------------------------|----------------------------------------|-----------------------|
| <b>P</b>                 | -PF                     | -PM                                    | -PR                   |
| <b>M</b>                 | -PF                     | -PM                                    | -PR                   |
| <b>K</b>                 | -PF                     | -PM                                    |                       |
| <b>AL</b>                | -LH                     |                                        |                       |

### Square shoulder milling Eckfräsen



### Recommended cutting data · Empfohlene Schnittdaten

| Workpiece material<br>Werkstück Material |                                                                                     | Hardness<br>HB<br>Härte | Grade<br>Sorte   | Cutting data<br>Schnittdaten |                |               |                |        |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|------------------|------------------------------|----------------|---------------|----------------|--------|
|                                          |                                                                                     |                         |                  | V(m/min)                     | f(mm/z)        |               |                | ae(mm) |
|                                          |                                                                                     |                         |                  |                              | -PF            | -PM           | -PR            |        |
| P                                        | Low-carbon steel<br>Soft steel<br>Niedrig legierter<br>Kohlenstoffstahl<br>Baustahl | ≤180                    | YBM251<br>YBC301 | 320 (240-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 260 (180-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 320 (200-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 280 (180-400)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          | High-carbon<br>steel Alloy steel<br>Hoch Leg.<br>Kohlenstoffstahl<br>Leg. Stahl     | 180-280                 | YBM251<br>YBC301 | 280 (210-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 240 (160-320)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202<br>YBG205 | 280 (180-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 260 (150-380)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          | Alloy tool steel<br>Leg.<br>Werkzeugstahl                                           | 280-350                 | YBM251<br>YBC301 | 260 (180-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 220 (150-280)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202           | 260 (160-330)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 240 (120-350)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.35) | ≤0.5D  |
| M                                        | Stainless steel<br>Rostfreier Stahl                                                 | ≤270                    | YBM251           | 200 (120-270)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBM351           | 180 (150-300)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG202           | 200 (110-300)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
|                                          |                                                                                     |                         | YBG302           | 170 (100-280)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | 0.25(0.2-0.3)  | ≤0.5D  |
| K                                        | Cast iron<br>Gusseisen                                                              | 180-250                 | YBG102           | 220 (120-250)                | 0.1 (0.08-0.2) | 0.2 (0.1-0.3) | -              | ≤0.5D  |
|                                          |                                                                                     |                         | YBD152           | 240 (180-300)                | -              | 0.2 (0.1-0.3) | -              | ≤0.5D  |
|                                          |                                                                                     |                         | YBD252           | 200 (120-320)                | -              | 0.2 (0.1-0.3) | -              | ≤0.5D  |
| N                                        |                                                                                     |                         |                  |                              | -LH            |               |                |        |
|                                          | Al alloy<br>Al Leg.                                                                 | --                      | YD101            | 300-                         | 0.2 (0.08-0.4) |               |                | ≤0.5D  |
|                                          |                                                                                     |                         | YD201            | 300-                         | 0.2 (0.08-0.4) |               |                | ≤0.5D  |

Applicable tool  
Werkzeug

**B11-B18**

Tools code key  
Werkzeug ISO

**B26-B27**

Grade selection guide  
Sortenauswahl

**B19-B23**

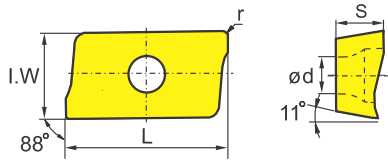
Technical data  
Technische Daten

**B215-B220**

# Milling · Fräsen

## Indexable Milling Tools · Wendepplattenfräser

**AP\*\***



- Ideal Machining Condition  
 Gute Bearbeitungsbedingungen  
● Normal Machining Condition  
 Normale Bearbeitungsbedingungen  
● Unfavorable Machining Condition  
 Ungünstige Bearbeitungsbedingungen

| Workpiece Material<br>Werkstoffe          | P | M | K | N | S |
|-------------------------------------------|---|---|---|---|---|
| Steel<br>Stahl                            | ● | ● | ● | ● | ● |
| Stainless Steel<br>Rostfreier Stahl       | ● | ● | ● | ● | ● |
| Cast iron<br>Gusseisen                    | ● | ● | ● | ● | ● |
| Non-ferrous material<br>Nichte Metalle    | ● | ● | ● | ● | ● |
| Heat-resistant steel<br>Wärmefester Stahl | ● | ● | ● | ● | ● |

| Insert shape<br>Plattenform                                                         | Type<br>Typ       | Dimensions (mm)<br>Abmessungen |      |      |     |     | CVD Coating<br>CVD Beschicht. |        |        |        |        |        |        |        | PVD Coating<br>PVD Beschicht. |        |        |        |        | Cermet<br>Cermet | Carbide uncoat.<br>unbe. Hartmetall |         |       |       |       |
|-------------------------------------------------------------------------------------|-------------------|--------------------------------|------|------|-----|-----|-------------------------------|--------|--------|--------|--------|--------|--------|--------|-------------------------------|--------|--------|--------|--------|------------------|-------------------------------------|---------|-------|-------|-------|
|                                                                                     |                   | L                              | I.W  | S    | d   | r   | YBC301                        | YBC302 | YBC401 | YBM251 | YBM253 | YBM351 | YBD152 | YBD252 | YBG102                        | YBG202 | YBG205 | YBG302 | YBG152 | YBG252           | YNG151                              | YNG151C | YC30S | YD101 | YD201 |
|    | APKT11T304-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 | ○                             |        |        | ●      |        |        |        |        | ●                             | ●      |        | ●      |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T308-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        | ○      |        |        |        |        |                               | ●      |        |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T312-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        |        |        |        |        |        |                               | ○      |        |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T316-PF     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        |        |        |        |        |        |                               | ○      |        |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT160408-PF     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 | ●                             |        |        | ○      |        | ●      |        |        |                               | ●      |        | ●      |        |                  |                                     |         |       |       |       |
|  | APKT11T304-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 | ●                             | ●      | ●      | ●      |        | ●      |        |        | ●                             | ●      |        | ●      |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T308-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 | ●                             | ●      |        | ●      | ●      | ●      | ●      | ●      | ●                             | ●      | ●      | ●      |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T312-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        | ○      |        |        |        |        | ○                             | ●      |        |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T316-PM     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        | ●      |        |        |        |        | ○                             | ●      |        |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT160408-PM     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 | ●                             | ●      | ●      | ●      | ●      | ●      | ●      | ●      | ●                             | ●      | ●      | ●      |        |                  |                                     |         |       |       |       |
|  | APKT11T304-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 |                               |        | ●      |        |        | ○      |        |        |                               |        | ○      |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T308-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        |        |        |        |        |        |                               |        | ○      |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T312-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.2 |                               |        |        |        |        |        |        |        |                               |        | ○      |        |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT11T316-PR     | 12.24                          | 6.5  | 3.6  | 2.8 | 1.6 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |                  |                                     |         |       |       |       |
|                                                                                     | APKT160408-PR     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        | ○      |        |                  |                                     |         |       |       |       |
|  | APKT11T304-LH     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.4 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |                  |                                     |         | ●     | ●     |       |
|                                                                                     | APKT11T308-LH     | 12.24                          | 6.5  | 3.6  | 2.8 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |                  |                                     |         | ●     | ●     |       |
|                                                                                     | APET160402-LH     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.2 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |                  |                                     |         | ○     |       |       |
|                                                                                     | APKT160408-LH     | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |                  |                                     |         | ●     | ●     |       |
|                                                                                     | APET160408PDFR-LH | 17.877                         | 9.33 | 5.76 | 4.4 | 0.8 |                               |        |        |        |        |        |        |        |                               |        |        |        |        |                  |                                     |         | ○     |       |       |

● Ex Stock / ab Lager ○ On demand / auf Anfrage