

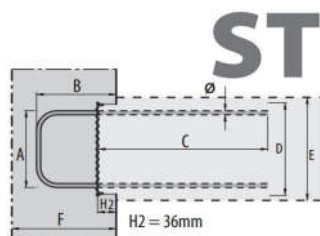
LISTE DE PRIX / PREISLIST

FERS D'ATTENTE HBT / BEWEHRUNGSANSCHLUSSE HBT

HBT-12

version 01.01.2017

| PROGRAMME STANDARD | DESIGNATION BEZEICHNUNG | | | DIMENSIONS EN CM LANGEN IN CM | | | | | | | POIDS / ML GEWICHT / M | | PRIX / ML PREIS / M | |
|--------------------|----------------------------|---------|---------|----------------------------------|--------|----|------|-------|----|----|---------------------------|----------|------------------------|--------|
| | LARG. | Ø ACIER | ECART. | A | B | C | D | E | F | T | TÔLE ET ARMATURE | ARMATURE | LONG. | LANGE |
| | BREITE | Ø STAHL | TEILUNG | | | | | | | | | | 1.25 | 0.85 |
| | MM | MM | CM | ML / M | ML / M | | | | | | | | | |
| | 80 | 8 | 15 | 6 | 12 | 40 | 8.6 | 12 | 15 | 15 | 3.60 | 2.78 | 55.60 | 60.40 |
| | 80 | 8 | 20 | 6 | 12 | 40 | 8.6 | 12 | 15 | 20 | 2.91 | 2.09 | 51.90 | 57.10 |
| | S120 | 8 | 15 | 9 | 12 | 40 | 12.2 | 15 | 15 | 15 | 4.23 | 2.86 | 56.50 | 61.60 |
| | S120 | 8 | 20 | 9 | 12 | 40 | 12.2 | 15 | 15 | 20 | 3.51 | 2.14 | 59.20 | 63.20 |
| | S120 | 10 | 15 | 9 | 12 | 50 | 12.2 | 15 | 15 | 15 | 6.62 | 5.25 | 71.40 | 69.00 |
| | S120 | 10 | 20 | 9 | 12 | 50 | 12.2 | 15 | 15 | 20 | 5.31 | 3.94 | 70.70 | 69.10 |
| | 120 | 8 | 15 | 9 | 15 | 40 | 12.2 | 15 | 20 | 15 | 4.38 | 3.01 | 57.40 | 63.70 |
| | 120 | 8 | 20 | 9 | 15 | 40 | 12.2 | 15 | 20 | 20 | 3.62 | 2.26 | 55.50 | 61.20 |
| | 120 | 10 | 15 | 9 | 15 | 50 | 12.2 | 15 | 20 | 15 | 6.86 | 5.49 | 73.60 | 73.10 |
| | 120 | 12 | 15X | 9 | 15 | 50 | 12.2 | 15 | 20 | 15 | 9.27 | 7.90 | 111.20 | 105.70 |
| | 120 | 12 | 15Y | 9 | 20 | 50 | 12.2 | 15 | 25 | 15 | 9.84 | 8.47 | 113.00 | 125.70 |
| | 120 | 12 | 15Z | 9 | 25 | 50 | 12.2 | 15 | 30 | 15 | 10.40 | 9.04 | 115.40 | 129.00 |
| | 150 | 8 | 15 | 12 | 15 | 40 | 15 | 18-20 | 20 | 15 | 4.65 | 3.08 | 59.40 | 64.30 |
| | 150 | 8 | 20 | 12 | 15 | 40 | 15 | 18-20 | 20 | 20 | 3.87 | 2.31 | 60.90 | 67.20 |
| | S150 | 10 | 15 | 12 | 12 | 50 | 15 | 18-20 | 20 | 15 | 6.93 | 5.37 | 78.40 | 79.20 |
| | 150 | 10 | 15 | 12 | 15 | 50 | 15 | 18-20 | 20 | 15 | 7.17 | 5.61 | 75.10 | 75.90 |
| | 150 | 10 | 15Y | 12 | 20 | 60 | 15 | 18-20 | 25 | 15 | 7.56 | 6.00 | 82.90 | 92.40 |
| | 150 | 10 | 15Z | 12 | 25 | 60 | 15 | 18-20 | 30 | 15 | 7.96 | 6.40 | 85.50 | 95.60 |
| | 150 | 10 | 20 | 12 | 15 | 50 | 15 | 18-20 | 20 | 20 | 5.77 | 4.21 | 70.30 | 70.50 |
| | 150 | 12 | 15X | 12 | 15 | 60 | 15 | 18-20 | 20 | 15 | 10.77 | 9.21 | 102.60 | 93.80 |
| | 150 | 12 | 15Y | 12 | 20 | 60 | 15 | 18-20 | 25 | 15 | 11.34 | 9.78 | 105.90 | 118.30 |
| | 150 | 12 | 15Z | 12 | 25 | 60 | 15 | 18-20 | 30 | 15 | 11.90 | 10.34 | 111.00 | 124.40 |
| | 150 | 14 | 15X | 12 | 15 | 54 | 15 | 18-20 | 20 | 15 | 13.18 | 11.62 | 188.00 | 204.10 |
| | 150 | 14 | 15Z | 12 | 25 | 54 | 15 | 18-20 | 30 | 15 | 14.73 | 13.17 | 206.50 | 225.10 |
| | 190 | 8 | 15 | 16 | 15 | 40 | 18.6 | 22 | 20 | 15 | 5.03 | 3.19 | 68.80 | 75.20 |
| | 190 | 8 | 20 | 16 | 15 | 40 | 18.6 | 22 | 20 | 20 | 4.23 | 2.39 | 70.00 | 73.70 |
| | 190 | 10 | 15 | 16 | 15 | 50 | 18.6 | 22 | 20 | 15 | 7.60 | 5.77 | 83.60 | 84.70 |
| | 190 | 10 | 15Y | 16 | 20 | 60 | 18.6 | 22 | 25 | 15 | 7.99 | 6.14 | 91.10 | 102.50 |
| | 190 | 10 | 15Z | 16 | 25 | 60 | 18.6 | 22 | 30 | 15 | 8.39 | 6.54 | 93.70 | 105.60 |
| | 190 | 10 | 20 | 16 | 15 | 50 | 18.6 | 22 | 20 | 20 | 6.16 | 4.32 | 75.60 | 80.10 |
| | 190 | 12 | 15X | 16 | 15 | 60 | 18.6 | 22 | 20 | 15 | 11.26 | 9.43 | 110.30 | 108.50 |
| | 190 | 12 | 15Y | 16 | 20 | 60 | 18.6 | 22 | 25 | 15 | 11.83 | 10.00 | 113.10 | 126.20 |
| | 190 | 12 | 15Z | 16 | 25 | 60 | 18.6 | 22 | 30 | 15 | 12.39 | 10.57 | 119.30 | 133.20 |
| | 190 | 14 | 15X | 16 | 15 | 60 | 18.6 | 22 | 20 | 15 | 13.74 | 12.86 | 200.80 | 217.80 |
| | 190 | 14 | 15Z | 16 | 25 | 60 | 18.6 | 22 | 30 | 15 | 15.29 | 14.40 | 219.40 | 238.80 |
| | 220 | 8 | 15 | 19 | 15 | 40 | 22.2 | 25 | 20 | 15 | 5.39 | 3.26 | 74.30 | 81.10 |
| | 220 | 8 | 20 | 19 | 15 | 40 | 22.2 | 25 | 20 | 20 | 4.58 | 2.45 | 73.10 | 79.70 |
| | 220 | 10 | 15 | 19 | 15 | 50 | 22.2 | 25 | 20 | 15 | 8.02 | 5.88 | 89.90 | 90.50 |
| | 220 | 10 | 15Y | 19 | 20 | 60 | 22.2 | 25 | 25 | 15 | 8.41 | 6.28 | 95.40 | 107.20 |
| | 220 | 10 | 15Z | 19 | 25 | 60 | 22.2 | 25 | 30 | 15 | 8.81 | 6.67 | 98.40 | 110.70 |
| | 220 | 10 | 20 | 19 | 15 | 50 | 22.2 | 25 | 20 | 20 | 6.54 | 4.41 | 88.00 | 88.90 |
| | 220 | 12 | 15X | 19 | 15 | 60 | 22.2 | 25 | 20 | 15 | 11.74 | 9.60 | 113.30 | 114.70 |
| | 220 | 12 | 15Y | 19 | 20 | 60 | 22.2 | 25 | 25 | 15 | 12.30 | 10.17 | 116.20 | 129.90 |
| | 220 | 12 | 15Z | 19 | 25 | 60 | 22.2 | 25 | 30 | 15 | 12.87 | 10.74 | 120.30 | 134.80 |
| | 220 | 14 | 15X | 19 | 15 | 57 | 22.2 | 25 | 20 | 15 | 14.29 | 13.25 | 212.00 | 229.70 |
| | 220 | 14 | 15Z | 19 | 25 | 57 | 22.2 | 25 | 30 | 15 | 15.84 | 14.65 | 230.60 | 250.70 |



Les éléments courts à 0.85m sont livrés avec une dimension C de 40cm.

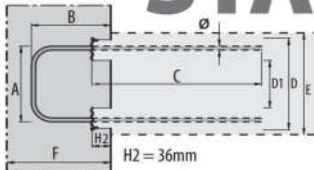
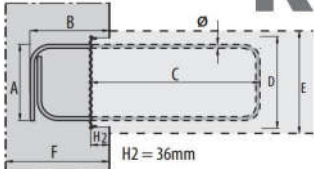
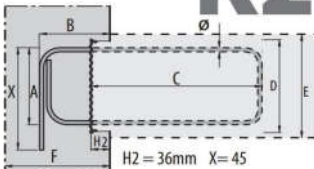
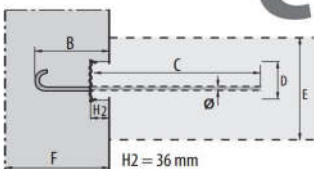
Die 0.85m Element sind mit ein C Mass von 40cm geliefert.

LISTE DE PRIX / PREISLIST

FERS D'ATTENTE HBT / BEWEHRUNGSANSCHLUSSE HBT

HBT-13

version 01.01.2017

| PROGRAMME STANDARD | DESIGNATION BEZEICHNUNG | | | DIMENSIONS EN CM LANGEN IN CM | | | | | | | | POIDS / ML GEWICHT / M | | PRIX / ML PREIS / M | |
|--|---|---------|---------|----------------------------------|--------|-----|------|------|-------|-----|------|---------------------------|----------|------------------------|--------|
| | LARG. | Ø ACIER | ECART. | A | B | C | D | D1 | E | F | T | TÔLE ET ARMATURE | ARMATURE | LONG. | LONGE |
| | BREITE | Ø STAHL | TEILUNG | | | | | | | | | | | 1.25 | 0.85 |
| | MM | MM | CM | ML / M | ML / M | | | | | | | | | | |
|  <p>STA</p> | 160 | 10 | 15 | 12 | 15 | 40 | 16 | 5 | 17 | 20 | 15 | 6.91 | 4.82 | 128.40 | 140.10 |
| | 180 | 10 | 15 | 14 | 15 | 40 | 18 | 7 | 19 | 20 | 15 | 6.99 | 4.90 | 133.60 | 148.70 |
| | 180 | 12 | 15X | 14 | 15 | 60 | 18 | 1 | 19 | 20 | 15 | 11.40 | 9.32 | 139.20 | 156.10 |
| | 210 | 8 | 20 | 17 | 15 | 40 | 21.0 | 10 | 22 | 20 | 20 | 4.49 | 2.41 | 117.30 | 122.10 |
| | 210 | 10 | 15 | 17 | 15 | 40 | 21.0 | 10 | 22 | 20 | 15 | 7.10 | 5.01 | 116.30 | 126.20 |
| | 210 | 12 | 15X | 17 | 15 | 60 | 21.0 | 4 | 22 | 20 | 15 | 11.58 | 9.50 | 123.10 | 135.80 |
| | 250 | 10 | 15 | 21 | 15 | 50 | 25.0 | 8 | 26 | 20 | 15 | 8.05 | 5.96 | 146.20 | 156.50 |
| | 250 | 12 | 15X | 21 | 15 | 60 | 25.0 | 8 | 26 | 20 | 15 | 11.80 | 9.72 | 178.60 | 191.80 |
| | 250 | 14 | 15X | 21 | 15 | 56 | 25.0 | 8 | 26 | 20 | 15 | 15.33 | 13.25 | 227.50 | 245.40 |
| |  <p>K</p> | 280 | 8 | 15 | 24 | 15 | 40 | 28.0 | 17 | 30 | 20 | 15 | 5.47 | 3.39 | 88.80 |
| 280 | | 8 | 20 | 24 | 15 | 40 | 28.0 | 17 | 30 | 20 | 20 | 4.63 | 2.54 | 82.20 | 93.90 |
| 280 | | 10 | 15 | 24 | 15 | 50 | 28 | 11 | 30 | 20 | 15 | 8.17 | 6.08 | 106.40 | 108.00 |
| 280 | | 10 | 15Y | 24 | 20 | 50 | 28 | 11 | 30 | 25 | 15 | 8.56 | 6.48 | 110.00 | 122.10 |
| 280 | | 10 | 15Z | 24 | 25 | 50 | 28 | 11 | 30 | 30 | 15 | 8.96 | 6.87 | 113.40 | 126.20 |
| 280 | | 10 | 20 | 24 | 15 | 40 | 28 | 11 | 30 | 20 | 20 | 6.05 | 3.97 | 88.10 | 96.70 |
| 280 | | 12 | 15X | 24 | 15 | 60 | 28 | 11 | 30 | 20 | 15 | 11.97 | 9.89 | 125.50 | 130.90 |
| 280 | | 12 | 15Y | 24 | 20 | 60 | 28 | 11 | 30 | 25 | 15 | 12.54 | 10.46 | 129.40 | 143.50 |
| 280 | | 12 | 15Z | 24 | 25 | 60 | 28 | 11 | 30 | 30 | 15 | 13.11 | 11.03 | 133.40 | 148.30 |
| 280 | | 14 | 15X | 24 | 15 | 56 | 28 | 11 | 30 | 20 | 15 | 13.48 | 230.30 | 230.30 | 248.60 |
|  <p>K2</p> | 280 | 14 | 15Z | 24 | 25 | 56 | 28 | 11 | 30 | 30 | 15 | 17.11 | 15.03 | 248.90 | 269.60 |
| | K120 | 10 | 20 | 9 | 15 | 18 | 12.2 | | 15 | 20 | 20 | 4.12 | 2.75 | 63.90 | 67.70 |
| | K150 | 10 | 15 | 12 | 15 | 13 | 15 | | 18-20 | 20 | 15 | 5.19 | 3.63 | 81.50 | 90.30 |
| | K150 | 10 | 20 | 12 | 15 | 18 | 15 | | 18-20 | 20 | 20 | 4.58 | 3.02 | 72.40 | 76.80 |
| | K190 | 10 | 20 | 16 | 15 | 18 | 18.6 | | 22 | 20 | 20 | 5.23 | 3.38 | 90.10 | 101.10 |
| | K2150 | 10 | 20 | 12 | 15 | 18 | 15 | | 18-20 | 20 | 20 | 5.56 | 4.00 | 99.60 | 108.60 |
| | K2190 | 10 | 20 | 16 | 15 | 18 | 18.6 | | 22 | 20 | 20 | 6.12 | 4.24 | 117.10 | 130.20 |
| | K2190 | 10 | 20Y | 16 | 20 | 18 | 18.6 | | 22 | 25 | 20 | 6.41 | 4.53 | 117.20 | 129.50 |
| | K2190 | 10 | 20Z | 16 | 25 | 18 | 18.6 | | 22 | 30 | 20 | 6.71 | 4.83 | 122.50 | 134.10 |
| |  <p>C</p> | 55 | 08 | 15 | | 15 | 40 | 5.5 | | VAR | 20 | 15 | 2.46 | 1.59 | 46.30 |
| 55 | | 08 | 20 | | 15 | 40 | 5.5 | | VAR | 20 | 20 | 2.05 | 1.19 | 43.10 | 50.40 |
| 55 | | 10 | 15 | | 15 | 40 | 5.5 | | VAR | 20 | 15 | 3.39 | 2.49 | 48.80 | 51.70 |
| 85 | | 10 | 15 | | 15 | 50 | 8.6 | | VAR | 20 | 15 | 4.00 | 2.88 | 54.80 | 57.70 |
| 85 | | 10 | 15Y | | 20 | 50 | 8.6 | | VAR | 25 | 15 | 4.20 | 3.16 | 58.40 | 64.60 |
| 85 | | 10 | 15Z | | 25 | 50 | 8.6 | | VAR | 30 | 15 | 4.40 | 3.36 | 60.00 | 66.40 |
| 85 | | 12 | 15X | | 15 | 60 | 8.6 | | VAR | 30 | 15 | 4.40 | 3.36 | 67.60 | 67.60 |
| 85 | | 12 | 15Y | | 20 | 60 | 8.6 | | VAR | 25 | 15 | 6.27 | 5.00 | 69.40 | 76.40 |
| 85 | | 12 | 15Z | | 25 | 60 | 8.6 | | VAR | 30 | 15 | 6.56 | 5.29 | 71.10 | 78.60 |
| 85 | | 14 | 15X | | 15 | 56 | 8.6 | | VAR | 20 | 15 | 7.93 | 5.80 | 117.10 | 126.30 |
| 85 | 14 | 15Z | | 25 | 56 | 8.6 | | VAR | 30 | 15 | 8.71 | 6.59 | 126.40 | 136.80 | |

Les éléments courts à 0.85m sont livrés avec une dimension C de 40cm.

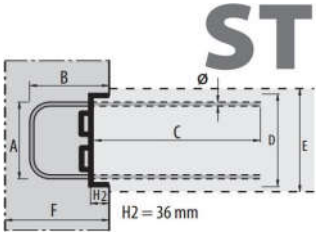
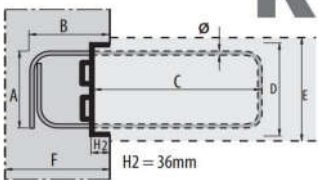
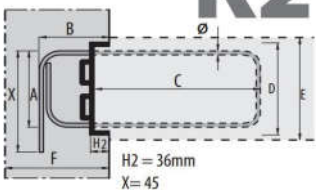
Die 0.85m Element sind mit ein C Mass von 40cm geliefert.

LISTE DE PRIX / PREISLIST

FERS D'ATTENTE AT-CISA / BEWEHRUNGSANSCHLUSSE AT-CISA

CISA-35

version 01.01.2017

| PROGRAMME STANDARD | DESIGNATION BEZEICHNUNG | | | DIMENSIONS EN CM LANGEN IN CM | | | | | | | POIDS / ML GEWICHT / M | | PRIX / ML PREIS / M |
|--|----------------------------|--------------------|-------------------|----------------------------------|----|----|------|-------|----|----|---------------------------|----------|------------------------|
| | LARG. BREITE | Ø ACIER Ø STAHL | ECART. TEILUNG | A | B | C | D | E | F | T | TÔLE ET ARMATURE | ARMATURE | |
| | MM | MM | CM | | | | | | | | | | |
| | | | | | | | | | | | | | |
|  <p>ST</p> | S120 | 10 | 15 | 9 | 12 | 50 | 12.2 | 15-16 | 15 | 15 | 7.01 | 5.50 | 95.50 |
| | 120 | 10 | 15 | 9 | 15 | 50 | 12.2 | 15-16 | 20 | 15 | 7.25 | 5.75 | 97.70 |
| | 150 | 10 | 15 | 12 | 15 | 50 | 15 | 17-20 | 20 | 15 | 7.63 | 5.86 | 105.60 |
| | 150 | 10 | 15Y | 12 | 20 | 50 | 15 | 17-20 | 25 | 15 | 8.04 | 6.27 | 109.50 |
| | 150 | 10 | 15Z | 12 | 25 | 50 | 15 | 17-20 | 30 | 15 | 8.45 | 6.68 | 113.40 |
| | 150 | 12 | 15X | 12 | 15 | 60 | 15 | 17-20 | 20 | 15 | 11.38 | 9.62 | 140.90 |
| | 150 | 12 | 15Y | 12 | 20 | 60 | 15 | 17-20 | 25 | 15 | 11.98 | 10.21 | 146.50 |
| | 150 | 12 | 15Z | 12 | 25 | 60 | 15 | 17-20 | 30 | 15 | 12.57 | 10.80 | 152.00 |
| | 190 | 10 | 15 | 16 | 15 | 50 | 18.6 | 21-25 | 20 | 15 | 8.09 | 6.01 | 114.80 |
| | 190 | 10 | 15Y | 16 | 20 | 50 | 18.6 | 21-25 | 25 | 15 | 8.50 | 6.42 | 118.70 |
| | 190 | 10 | 15Z | 16 | 25 | 50 | 18.6 | 21-25 | 30 | 15 | 8.91 | 6.83 | 122.60 |
| | 190 | 12 | 15X | 16 | 15 | 60 | 18.6 | 21-25 | 20 | 15 | 11.91 | 9.83 | 150.80 |
| | 190 | 12 | 15Y | 16 | 20 | 60 | 18.6 | 21-25 | 25 | 15 | 12.50 | 10.43 | 156.40 |
| | 190 | 12 | 15Z | 16 | 25 | 60 | 18.6 | 21-25 | 30 | 15 | 13.09 | 11.02 | 162.00 |
| | 240 | 10 | 15 | 21 | 15 | 50 | 24 | ≤ 26 | 20 | 15 | 8.77 | 6.23 | 130.20 |
| | 240 | 10 | 15Y | 21 | 20 | 50 | 24 | ≤ 26 | 25 | 15 | 9.18 | 6.64 | 134.00 |
| | 240 | 10 | 15Z | 21 | 25 | 50 | 24 | ≤ 26 | 30 | 15 | 9.59 | 7.05 | 137.90 |
| | 240 | 12 | 15X | 21 | 15 | 60 | 24 | ≤ 26 | 20 | 15 | 12.69 | 10.15 | 167.00 |
| | 240 | 12 | 15Y | 21 | 20 | 60 | 24 | ≤ 26 | 25 | 15 | 13.28 | 10.74 | 172.60 |
| | 240 | 12 | 15Z | 21 | 25 | 60 | 24 | ≤ 26 | 30 | 15 | 13.87 | 11.34 | 178.10 |
|  <p>K</p> | K150 | 10 | 15 | 12 | 15 | 14 | 15 | 17-20 | 20 | 15 | 3.87 | 5.63 | 119.80 |
| | K150 | 12 | 15X | 12 | 15 | 14 | 15 | 17-20 | 20 | 15 | 5.56 | 7.33 | 136.30 |
| | K150 | 12 | 15Y | 12 | 20 | 14 | 15 | 17-20 | 25 | 15 | 6.16 | 7.92 | 142.00 |
| | K150 | 12 | 15Z | 12 | 25 | 18 | 15 | 17-20 | 30 | 15 | 7.22 | 8.99 | 147.70 |
| | K190 | 12 | 15X | 16 | 15 | 14 | 19 | 21-25 | 20 | 15 | 6.28 | 8.31 | 177.50 |
| | K190 | 12 | 15Y | 16 | 20 | 14 | 19 | 21-25 | 25 | 15 | 6.87 | 8.90 | 183.20 |
| | K190 | 12 | 15Z | 16 | 25 | 18 | 19 | 21-25 | 30 | 15 | 7.93 | 9.97 | 225.80 |
|  <p>K2</p> | K2150 | 12 | 15X | 12 | 15 | 18 | 15 | 17-20 | 20 | 15 | 8.70 | 10.74 | 221.30 |
| | K2150 | 12 | 15Y | 12 | 20 | 18 | 15 | 17-20 | 25 | 15 | 9.29 | 11.33 | 228.20 |
| | K2150 | 12 | 15Z | 12 | 25 | 18 | 15 | 17-20 | 30 | 15 | 9.89 | 11.92 | 235.20 |
| | K2190 | 10 | 15Y | 16 | 20 | 14 | 19 | 21-25 | 25 | 15 | 6.62 | 8.66 | 175.80 |
| | K2190 | 10 | 15Z | 16 | 25 | 14 | 19 | 21-25 | 30 | 15 | 7.03 | 9.07 | 192.10 |
| | K2190 | 12 | 15X | 16 | 15 | 14 | 19 | 21-25 | 20 | 15 | 8.94 | 10.97 | 228.80 |
| | K2190 | 12 | 15Y | 16 | 20 | 18 | 19 | 21-25 | 25 | 15 | 10.00 | 12.04 | 235.70 |
| | K2190 | 12 | 15Z | 16 | 25 | 22 | 19 | 21-25 | 30 | 15 | 11.07 | 13.11 | 269.10 |
| | K2240 | 12 | 15Y | 21 | 20 | 22 | 24 | ≤ 26 | 25 | 15 | 11.37 | 13.82 | 292.90 |
| | K2240 | 12 | 15Z | 21 | 25 | 22 | 24 | ≤ 26 | 30 | 15 | 11.96 | 14.42 | 300.30 |