

**Achsen und Wellen** D Toleranz h9 (kaltgezogen)/h7 (geschliffen)/g6 (geschliffen)  
Einseitig abgesetzt, einseitig mit Außengewinde

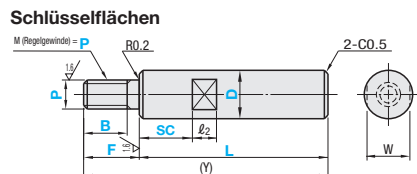
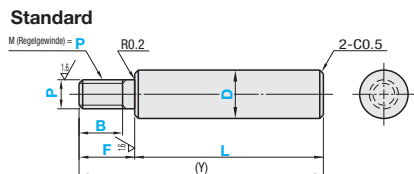
■ Auswahl aus h9 (kaltgezogen), h7 (geschliffen) und g6 (geschliffen) für Ihre Anwendungen. Ferner können h7 oder g6 für eine Toleranz von Teil P von h9 (kaltgezogen) gewählt werden.



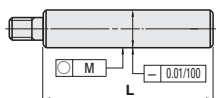
| Ausführung |                  | Toleranz  |                     | M Werkstoff | S Oberflächenbehandlung                 |                  |
|------------|------------------|-----------|---------------------|-------------|-----------------------------------------|------------------|
| Standard   | Schlüsselflächen | D         | P                   |             |                                         |                  |
| ①          | SFRMHN           | SFRMHNS   | h9<br>(kaltgezogen) | h7          | EN 1.1191 Äquivalent                    | Schwarz brüniert |
|            | PSFRMHN          | PSFRMHNS  |                     |             | Chemisch vernickelt                     |                  |
|            | SFRFMHN          | SFRFMHNS  |                     |             | EN 1.4301 Äquivalent                    | -                |
| ②          | SFRMGNG          | SFRMGNS   | g6                  | h7          | EN 1.1191 Äquivalent                    | Schwarz brüniert |
|            | PSFRMGNG         | PSFRMGNS  |                     |             | Chemisch vernickelt                     |                  |
|            | SFSFRMGNG        | SFSFRMGNS |                     |             | EN 1.4301 Äquivalent                    | -                |
| ③          | SFRHN            | SFRHNS    | h7<br>(Masse)       | h7          | EN 1.1191 Äquivalent                    | Schwarz brüniert |
|            | PSFRHN           | PSFRHNS   |                     |             | Chemisch vernickelt                     |                  |
|            | SFSFRHN          | SFSFRHNS  |                     |             | EN 1.4301 Äquivalent                    | -                |
| ④          | SFRN             | SFRNS     | g6<br>(Masse)       | g6          | EN 1.1191 Äquivalent                    | Schwarz brüniert |
|            | PSFRN            | PSFRNS    |                     |             | Chemisch vernickelt                     |                  |
|            | SFSFRN           | SFSFRNS   |                     |             | EN 1.4301 Äquivalent                    | -                |
|            | HFRN             | HFRNS     |                     |             | EN 1.7220 Äquivalent<br>DIN 3001 - 3006 | Schwarz brüniert |
|            | PHFRN            | -         |                     |             | Chemisch vernickelt                     |                  |

| D, P           | h9(kaltgezogen) | h7(geschliffen) | g6(geschliffen) |
|----------------|-----------------|-----------------|-----------------|
| <b>3</b>       | 0               | 0               | -0.002          |
|                | -0.025          | -0.001          | -0.008          |
| <b>3.1-6</b>   | 0               | 0               | -0.004          |
|                | -0.030          | -0.012          | -0.012          |
| <b>6.1-10</b>  | 0               | 0               | -0.005          |
|                | -0.036          | -0.015          | -0.014          |
| <b>10.1-18</b> | 0               | 0               | -0.006          |
|                | -0.043          | -0.018          | -0.017          |
| <b>18.1-30</b> | 0               | 0               | -0.007          |
|                | -0.052          | -0.021          | -0.020          |
| <b>30.1-50</b> | 0               | 0               | -0.009          |
|                | -0.062          | -0.025          | -0.025          |

⚙ Oberflächenrauheit von Teil D für h9 (kaltgezogen) ist  $\frac{6.3}{\sqrt{}}$ . Oberflächenrauheit für h7 (geschliffen) und g6 (geschliffen) ist  $\frac{1.6}{\sqrt{}}$ .



## Rundheit und Geradheit



⚠ Nicht verfügbar für h9 (kalt gezogen).

■ Rundheit bei Durchmesser 

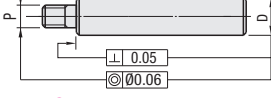
| D    |              | Rundheit M |
|------|--------------|------------|
| über | oder weniger |            |
| 5    | 13           | 0.004      |
| 13   | 20           | 0.005      |
| 20   | 40           | 0.006      |
| 40   | 50           | 0.007      |

❗ Nicht verfügbar für h9 (kalt gezogen).

### ■ Toleranzen von L, Y und anderen Maßen

| Maße |              | Toleranz  |
|------|--------------|-----------|
| über | oder weniger |           |
| 2    | 6            | $\pm 0.1$ |
| 6    | 30           | $\pm 0.2$ |
| 30   | 120          | $\pm 0.3$ |
| 120  | 400          | $\pm 0.5$ |
| 400  | 800          | $\pm 0.8$ |

### ■ Konzentrizität und Rechtwinkligkeit



① Toleranz von  $D=h9$  (kaltgezogen)/Toleranz von  $P=h7$     ② Toleranz von  $D=h9$  (kaltgezogen)/Toleranz von  $P=g6$

[illegible]

③h7 (geschliffen)

| Teile-nummer |                  | 0.1mm Schritte |            | 1mm-Schritte | P (Regelgewinde) | 1mm-Schritte            | W                                      | ℓ <sub>2</sub> | (Y max.) |     |    |    |     |  |
|--------------|------------------|----------------|------------|--------------|------------------|-------------------------|----------------------------------------|----------------|----------|-----|----|----|-----|--|
| Ausführung   |                  | D              | L          | F            | B                | SC                      |                                        |                |          |     |    |    |     |  |
| Standard     | Schlüsselflächen |                |            |              |                  | Nur mit Schlüsselfläche |                                        |                |          |     |    |    |     |  |
| SFRHN        | SFRHNS           | 6              | 20.0~295.0 | 5≤F≤Px7      | Für Ps:6         | 3 4 5                   | SC+ℓ <sub>2</sub> ≤L<br>SC=0 oder SC≥1 | 5              | 8        | 300 |    |    |     |  |
|              |                  | 8              | 20.0~395.0 |              | B≤Px3            | 3 4 5 6                 |                                        | 7              |          | 400 |    |    |     |  |
|              |                  | 10             | 20.0~495.0 |              | &                | 4 5 6 8                 |                                        | 8              |          | 500 |    |    |     |  |
|              |                  | 12             | 25.0~595.0 |              | B=F-2            | 5 6 8 10                |                                        | 10             |          | 600 |    |    |     |  |
|              |                  | 15             | 25.0~695.0 |              | Für Ps:8 oder 10 | 5 6 8 10 12             |                                        | 13             |          | 700 |    |    |     |  |
| PSFRHN       | PSFRHNS          | 17             | 30.0~795.0 |              | B≤Px3            | 5 6 8 10 12             |                                        | SC=0 oder SC≥1 |          | 14  | 10 | 15 | 800 |  |
|              |                  | 20             | 30.0~795.0 |              | &                | 6 8 10 12 16            |                                        |                |          | 17  |    |    |     |  |
|              |                  | 25             | 30.0~795.0 |              | B=F-3            | 8 10 12 16 20           |                                        |                |          | 22  |    |    |     |  |
|              |                  | 30             | 30.0~795.0 |              | Für Ps:12        | 8 10 12 16 20 24        |                                        |                |          | 27  |    |    |     |  |
|              |                  | 35             | 40.0~795.0 |              | B≤Px3            | 10 12 16 20 24 30       |                                        |                |          | 30  |    |    |     |  |
| SSFRHN       | SSFRHNS          | 40             | 40.0~795.0 | &            | 12 16 20 24 30   | 36                      | 20                                     |                |          |     |    |    |     |  |
|              |                  | 50             | 40.0~795.0 | B=F-5        | 16 20 24 30      | 41                      |                                        |                |          |     |    |    |     |  |
|              |                  |                |            |              |                  |                         |                                        |                |          |     |    |    |     |  |

④g6 (geschliffen)

| Teile-nummer                                                                           |                                                                                           | 0.1mm Schritte |            | 1mm-Schritte | P (Regelgewinde)                                                                                            |              | 1mm-Schritte                               | W  | ℓ <sub>2</sub> | (Y) max. |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------|------------|--------------|-------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------|----|----------------|----------|
| Ausführung                                                                             |                                                                                           | D              | L          | F            | B                                                                                                           | Auswahl      | SC<br>Nur mit Schlüsselfläche              |    |                |          |
| Standard                                                                               | Schlüsselflächen                                                                          |                |            |              |                                                                                                             |              |                                            |    |                |          |
| SFRN<br><br>PSFRN<br><br>SSFRN<br>(D13, 16, 18 und 22 sind nicht für SSFRN verfügbar.) | SFRNS<br><br>PSFRNS<br><br>SSFRNS<br>(D13, 16, 18 und 22 sind nicht für SSFRN verfügbar.) | 6              | 20.0–295.0 | 5≤F≤Px7      | Für P≤6<br>B≤Px3<br>&<br>F=F-2<br>Für P=8 oder 10<br>B≤Px3<br>&<br>F=F-3<br>Für P≥12<br>B≤Px3<br>&<br>B≤F-5 | 3 4 5        | SC+ℓ <sub>2</sub> ≤L<br><br>SC=0 oder SC≥1 | 5  | 10             | 300      |
|                                                                                        |                                                                                           | 8              | 20.0–395.0 |              |                                                                                                             | 3 4 5 6      |                                            | 7  |                | 400      |
|                                                                                        |                                                                                           | 10             | 20.0–495.0 |              |                                                                                                             | 4 5 6 8      |                                            | 8  |                | 500      |
|                                                                                        |                                                                                           | 12             | 25.0–595.0 |              |                                                                                                             | 5 6 8 10     |                                            | 10 |                | 600      |
|                                                                                        |                                                                                           | 13             | 25.0–595.0 |              |                                                                                                             | 5 6 8 10     |                                            | 11 |                | 700      |
|                                                                                        |                                                                                           | * 15           | 25.0–695.0 |              |                                                                                                             | 5 6 8 10 12  |                                            | 13 |                |          |
|                                                                                        |                                                                                           | 16             | 25.0–795.0 |              |                                                                                                             | 5 6 8 10 12  |                                            | 14 |                |          |
|                                                                                        |                                                                                           | 17             | 30.0–795.0 |              |                                                                                                             | 5 6 8 10 12  |                                            | 15 |                |          |
|                                                                                        |                                                                                           | 18             | 30.0–795.0 |              |                                                                                                             | 5 6 8 10 12  |                                            | 16 |                |          |
|                                                                                        |                                                                                           | 20             | 30.0–795.0 |              |                                                                                                             | 6 8 10 12 16 |                                            | 17 |                |          |
| *HFRN<br>(verfügbar nur in Größen mit *)                                               | *HFRNS<br>(verfügbar nur in Größen mit *)                                                 | 22             | 30.0–795.0 |              | 6 8 10 12 16                                                                                                | 18           |                                            | 15 | 20             | 800      |
|                                                                                        |                                                                                           | * 25           | 30.0–795.0 |              | 8 10 12 16 20                                                                                               | 19           |                                            |    |                |          |
|                                                                                        |                                                                                           | * 30           | 30.0–795.0 |              | 8 10 12 16 20 24                                                                                            | 27           |                                            |    |                |          |
|                                                                                        |                                                                                           | * 35           | 40.0–795.0 |              | 10 12 16 20 24 30                                                                                           | 30           |                                            |    |                |          |
|                                                                                        |                                                                                           | * 40           | 40.0–795.0 |              | 12 16 20 24 30                                                                                              | 36           |                                            |    |                |          |
|                                                                                        |                                                                                           | * 50           | 40.0–795.0 |              | 16 20 24 30                                                                                                 | 41           |                                            |    |                |          |

! Für  $D-P \leq 2$  beträgt die Fase C am Absatz max. 0.2.



③h7 (geschliffen) mit  
che

Teile-nummer - L - F - B - P - SC

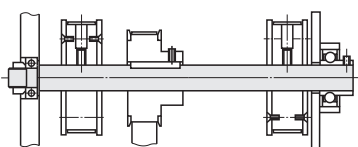
SFRMHN30 - 250 - F30 - B8 - P10

SFRHNS25 - 200 - F25 - B15 - P12 - SC30

①Toleranz von D=h9 (kaltgezogen)/Toleranz von P=h7 ②Toleranz von D=h9 (kaltgezogen)/Toleranz von P=g6

[illegible]

③h7 (geschliffen) ④g6 (geschliffen)

[illegible][illegible]

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Teile-nummer - L - F - B - P(PMC) - SC - (KC, WKC, FC...usw.)

SSFRHNS10 - 150 - F10 - B5 - P5 - SC20 - PK

| Optionen | Nut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Stellschraube, flach                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2-Planflächen für Gewindestift (Winkel vorgelegt)                                     | geschlitzte Kurvenmutter                                                              | Aussparung/Toleranz von Maß L                                                         | Nut am Wellenende/Konzentrität                                                        | Feingewinde                                                                           |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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|          | <p>• 1 Passfedernut: KC</p>  <p>• 2 Passfedernuten: WK</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>• FC: Fügt 1 Planfläche für Gewindestift hinzu.</p>  <p>• 2 Planflächen für Gewindestäfte: WFC</p>                                                                                                                                                                         |  |  |  |  |  |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Opt.-Nr. | KC, WK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FC, WFC                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SFC                                                                                   | UC                                                                                    | PC, LKC                                                                               | PKC, CKC                                                                              | PMC                                                                                   |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|          | <p>KC: Fügt eine Nut hinzu.<br/><u>Bestellnr.</u> KC50-A10<br/>WK: Fügt zwei Nuten hinzu.<br/><u>Bestellnr.</u> WK50-CS-K40-E10</p> <p>             * KC, A, WK, C, K, E<br/>             = 1mm-Schritte<br/>             * A, C, K, E<br/>             = Einzeilen zu Nuten siehe <b>S.820</b><br/>             * Wenn 3 Nuten erforderlich sind, benutzen Sie KC und WK.<br/>             * Wenn die Nutposition weniger als 1mm von der Endfläche entfernt ist, ist A nicht verfügbar.<br/>             Bsp.             </p> <p>             * Nuten und Planflächen für Gewindestäfte werden in der selben Ebene hinzugefügt. Sollte der Abstand der Optionen über 500mm betragen, kann es zu einer Phasenverschiebung von &gt;2 Grad kommen.           </p> | <p>FC: Fügt eine Planfläche für Gewindestift hinzu.<br/><u>Bestellnr.</u> FC10-G3<br/>WFC: Fügt zwei Planflächen für Gewindestäfte hinzu.<br/><u>Bestellnr.</u> WFC10-J3-W10-V3</p> <p>             * FC, G, WFC, J, W, V<br/>             = 1mm-Schritte<br/>             * G, J, V: &gt;50           </p> <table><tr><th>D</th><th>H</th></tr><tr><td>6-17</td><td>1</td></tr><tr><td>18-40</td><td>2</td></tr><tr><td>50</td><td>3</td></tr></table> | D                                                                                     | H                                                                                     | 6-17                                                                                  | 1                                                                                     | 18-40                                                                                 | 2 | 50 | 3 | <p>Fügt eine Planfläche für Gewindestift mit jedem gewünschten Winkel neben der Referenzschraube (0°).<br/>SFC, SG = 1mm-Schritte<br/>AG = 15° Schritte<br/><u>Bestellnr.</u> SFC10-SG3-AG90</p> <table><tr><th>D</th><th>d</th><th>z1</th></tr><tr><td>6-17</td><td>1</td><td>4</td></tr><tr><td>18-40</td><td>2</td><td>5</td></tr><tr><td>50</td><td>3</td><td>5</td></tr></table> <p>             * Falls mit anderen Optionen kombiniert wird, kann es zu einer Phasenverschiebung von &gt;2 Grad kommen.           </p> | D | d | z1 | 6-17 | 1 | 4 | 18-40 | 2 | 5 | 50 | 3 | 5 | <p>Fügt eine geschlitzte Kurvenmutter hinzu.<br/>UC = 1mm-Schritte<br/><u>Bestellnr.</u> UC10</p> <p>             * UC = 6-L<br/>             * UC = 1<br/>             * F-Bulk2<br/>             * Nicht verfügbar bei D13 oder mehr.           </p> <table><tr><th>D</th><th>d</th><th>z1</th></tr><tr><td>6</td><td>5</td><td>4</td></tr><tr><td>8</td><td>7</td><td>4</td></tr><tr><td>10</td><td>8</td><td>5</td></tr><tr><td>12</td><td>10</td><td>5</td></tr></table> | D | d | z1 | 6 | 5 | 4 | 8 | 7 | 4 | 10 | 8 | 5 | 12 | 10 | 5 | <p>PC: Fügt eine Aussparung an P hinzu.<br/><u>Bestellnr.</u> PC</p> <p>             * Einzeilenheit zu den Maßen der Aussparung siehe <b>S.820</b>.<br/>             * F-Bulk2<br/>             * Nicht verfügbar für D=P.           </p> <p>LKC: Änderungen der L-Maß-Toleranz.<br/><u>Bestellnr.</u> LKC</p> <p>             * L&lt;500 → L±0.05<br/>             * L≥500 → L±0.1           </p> | <p>PKC: Fügt am Achenende P eine Passfedernut hinzu.<br/><u>Bestellnr.</u> PKC10</p> <p>             * PKC = 1mm-Schritte<br/>             * PKC=50<br/>             * PKC=FIT<br/>             * Einzeilenheit zu Nuten siehe <b>S.820</b>.<br/>             * Nicht verfügbar für PS oder weniger.           </p> <p>CKC: Änderung der Konzentrität auf 0/0.02.<br/><u>Bestellnr.</u> CKC</p> <p>             * Verfügbar innerhalb des Maßbereichs L in der folgenden Tabelle.           </p> <table><tr><th>D</th><th>Lmax.</th></tr><tr><td>6-22</td><td>450</td></tr><tr><td>25-50</td><td>600</td></tr></table> <p>             * Nicht verfügbar für Teil d mit H (Kalligroren).           </p> | D | Lmax. | 6-22 | 450 | 25-50 | 600 | <p>Änderung der Außengewinde entsprechend folgender Tabelle in ein Feingewinde.<br/><u>Bestellnr.</u> PMC20</p> <table><tr><th>D</th><th>PMC</th></tr><tr><td>6</td><td>3</td></tr><tr><td>8</td><td>3</td></tr><tr><td>10</td><td>4</td></tr><tr><td>12</td><td>5</td></tr><tr><td>15</td><td>6</td></tr><tr><td>18</td><td>8</td></tr><tr><td>20</td><td>10</td></tr><tr><td>22</td><td>12</td></tr><tr><td>25</td><td>15</td></tr><tr><td>30</td><td>20</td></tr><tr><td>35</td><td>25</td></tr><tr><td>40</td><td>30</td></tr><tr><td>50</td><td>40</td></tr></table> <p>             Steigung 0,35 0,5 0,75 1,0 1,5           </p> <p>             * Maß P und PMC sind identisch.<br/>             * Anstelle P ist PMC anzugeben.           </p> | D | PMC | 6 | 3 | 8 | 3 | 10 | 4 | 12 | 5 | 15 | 6 | 18 | 8 | 20 | 10 | 22 | 12 | 25 | 15 | 30 | 20 | 35 | 25 | 40 | 30 | 50 | 40 |
| D        | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6-17     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 18-40    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 50       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| D        | d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | z1                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6-17     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 18-40    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 50       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| D        | d                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | z1                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6        | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8        | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10       | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 12       | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| D        | Lmax.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6-22     | 450                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25-50    | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| D        | PMC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10       | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 12       | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 15       | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 18       | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20       | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 22       | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 25       | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 30       | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 35       | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 40       | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 50       | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |   |    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |      |   |   |       |   |   |    |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   |   |    |   |   |   |   |   |   |    |   |   |    |    |   |                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |       |      |     |       |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |     |   |   |   |   |    |   |    |   |    |   |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |