

# 440 - Clés mixtes métriques

## Description

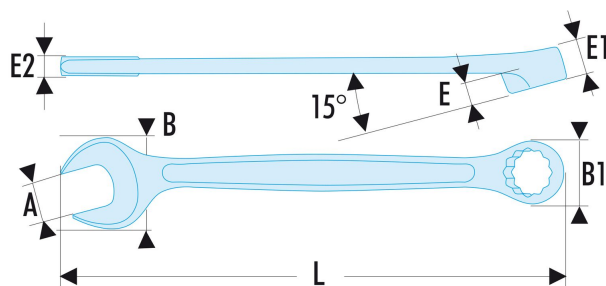
- HAUTE PERFORMANCE - Hautes performances mécaniques combinées à une conception compacte conforme aux normes aéronautiques
- PROFIL OGV® - 12 POINTS - Maximisation du contact entre la douille et l'écrou/boulon pour préserver les fixations
- DÉCALAGE DE 15° - Offre une meilleure maniabilité et permet d'éviter certains obstacles
- PROFIL I-BEAM - Offre plus de confort grâce à la forme arrondie
- DIMENSIONS - Métriques : 4 à 41 mm Pouces : de 1/4" à 1 1/2"

**Normes & certifications :** NF ISO 1711-1, NF ISO 3318, NF ISO 691, NF ISO 7738

**Période de garantie :** Garantie à vie de l'outil (échange)



## Dessin technique



|          |                                               | A<br>(mm) | B1<br>(mm) | B<br>(mm) | E1<br>(mm) | E2<br>(mm) | E<br>(mm) | L<br>(mm) |
|----------|-----------------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|
| 440.4H   | [440.4H] Clé mixte métrique, 6 pans, 4 mm     | 4         | 7.8        | 10        | 4.2        | 3.2        | 2.1       | 90        |
| 440.5.5H | [440.5.5H] Clé mixte métrique, 6 pans, 5,5 mm | 5.5       | 9.8        | 13.8      | 6          | 3.8        | 3.1       | 115       |

|          |                                              | A<br>(mm) | B1<br>(mm) | B<br>(mm) | E1<br>(mm) | E2<br>(mm) | E<br>(mm) | L<br>(mm) |
|----------|----------------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|
| 440.5H   | [440.5H] Clé mixte<br>métrique, 6 pans, 5 mm | 5         | 9.8        | 13.8      | 6          | 3.6        | 3.1       | 115       |
| 440.6    | [440.6] Clé mixte<br>métrique, 6 mm          | 6         | 10         | 14.1      | 6          | 4          | 3.1       | 115       |
| 440.6PB  | [440.6PB] Clé mixte<br>métrique, 6 mm        | 6.00      | 10.00      | 14.10     | 6.00       | 3.80       | 3.10      | 115.00    |
| 440.7    | [440.7] Clé mixte<br>métrique, 7 mm          | 7         | 11.2       | 17.1      | 6.2        | 4.1        | 3.4       | 122       |
| 440.7PB  | [440.7PB] Clé mixte<br>métrique, 7 mm        | 7.00      | 11.20      | 17.20     | 6.20       | 3.90       | 3.40      | 122.00    |
| 440.8    | [440.8] Clé mixte<br>métrique, 8 mm          | 8         | 12.7       | 18.8      | 6.7        | 4.6        | 3.5       | 133       |
| 440.8PB  | [440.8PB] Clé mixte<br>métrique, 8 mm        | 8.00      | 12.80      | 19.20     | 6.70       | 4.70       | 3.50      | 133.00    |
| 440.9    | [440.9] Clé mixte<br>métrique, 9 mm          | 9         | 14.2       | 21.2      | 6.9        | 4.6        | 3.5       | 138       |
| 440.9PB  | [440.9PB] Clé mixte<br>métrique, 9 mm        | 9.00      | 14.20      | 21.20     | 7.10       | 4.70       | 3.90      | 138.00    |
| 440.10   | [440.10] Clé mixte<br>métrique, 10 mm        | 10        | 15         | 22.9      | 7.6        | 5.1        | 4.2       | 145       |
| 440.10PB | [440.10PB] Clé mixte<br>métrique, 10 mm      | 10.00     | 15.00      | 23.00     | 7.60       | 5.20       | 4.20      | 145.00    |
| 440.11   | [440.11] Clé mixte<br>métrique, 11 mm        | 11        | 16.7       | 23.9      | 8.2        | 5.2        | 4.6       | 155       |
| 440.11PB | [440.11PB] Clé mixte<br>métrique, 11 mm      | 11.00     | 16.90      | 24.50     | 8.10       | 5.50       | 4.60      | 155.00    |
| 440.12   | [440.12] Clé mixte<br>métrique, 12 mm        | 12        | 17.9       | 27        | 8.4        | 5.4        | 4.4       | 162       |
| 440.12PB | [440.12PB] Clé mixte<br>métrique, 12 mm      | 12.00     | 18.00      | 27.00     | 8.40       | 5.80       | 4.40      | 162.00    |
| 440.13   | [440.13] Clé mixte<br>métrique, 13 mm        | 13        | 19.3       | 28.6      | 8.6        | 5.7        | 4.8       | 170       |
| 440.13PB | [440.13PB] Clé mixte<br>métrique, 13 mm      | 13.00     | 19.30      | 28.70     | 8.60       | 6.10       | 4.80      | 170.00    |
| 440.14   | [440.14] Clé mixte<br>métrique, 14 mm        | 14        | 21.1       | 31        | 9.5        | 5.9        | 5.7       | 180       |
| 440.14PB | [440.14PB] Clé mixte<br>métrique, 14 mm      | 14.00     | 21.10      | 31.00     | 9.50       | 6.40       | 5.70      | 180.00    |

|          |                                         | A<br>(mm) | B1<br>(mm) | B<br>(mm) | E1<br>(mm) | E2<br>(mm) | E<br>(mm) | L<br>(mm) |
|----------|-----------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|
| 440.15   | [440.15] Clé mixte<br>métrique, 15 mm   | 15        | 22.2       | 32.5      | 10         | 6.1        | 5.9       | 185       |
| 440.15PB | [440.15PB] Clé mixte<br>métrique, 15 mm | 15.00     | 22.20      | 32.60     | 10.00      | 6.80       | 5.90      | 185.00    |
| 440.16   | [440.16] Clé mixte<br>métrique, 16 mm   | 16        | 23.9       | 35.1      | 10.5       | 6.6        | 6.4       | 195       |
| 440.16PB | [440.16PB] Clé mixte<br>métrique, 16 mm | 16.00     | 23.90      | 35.60     | 10.50      | 7.30       | 6.40      | 195.00    |
| 440.17   | [440.17] Clé mixte<br>métrique, 17 mm   | 17        | 25.2       | 37        | 10.8       | 6.6        | 6.5       | 202       |
| 440.17PB | [440.17PB] Clé mixte<br>métrique, 17 mm | 17.00     | 25.30      | 37.00     | 10.90      | 7.60       | 6.50      | 202.00    |
| 440.18   | [440.18] Clé mixte<br>métrique, 18 mm   | 18        | 26         | 38.6      | 11.2       | 7.4        | 7.2       | 208       |
| 440.18PB | [440.18PB] Clé mixte<br>métrique, 18 mm | 18.00     | 26.00      | 38.70     | 11.40      | 8.10       | 7.20      | 208.00    |
| 440.19   | [440.19] Clé mixte<br>métrique, 19 mm   | 19        | 27.8       | 41.2      | 11.9       | 7.4        | 7.2       | 216       |
| 440.19PB | [440.19PB] Clé mixte<br>métrique, 19 mm | 19.00     | 27.80      | 41.20     | 11.90      | 8.30       | 7.20      | 216.00    |
| 440.20   | [440.20] Clé mixte<br>métrique, 20 mm   | 20        | 29.4       | 43.2      | 12.5       | 7.5        | 6.3       | 224       |
| 440.20PB | [440.20PB] Clé mixte<br>métrique, 20 mm | 20.00     | 29.50      | 43.10     | 12.30      | 8.60       | 6.30      | 224.00    |
| 440.21   | [440.21] Clé mixte<br>métrique, 21 mm   | 21        | 30.9       | 45.3      | 12.8       | 8.3        | 7.8       | 233       |
| 440.21PB | [440.21PB] Clé mixte<br>métrique, 21 mm | 21.00     | 30.90      | 45.40     | 12.80      | 8.80       | 7.80      | 233.00    |
| 440.22   | [440.22] Clé mixte<br>métrique, 22 mm   | 22        | 32.3       | 46.9      | 13.3       | 8.6        | 8.3       | 248       |
| 440.22PB | [440.22PB] Clé mixte<br>métrique, 22 mm | 22.00     | 32.30      | 46.90     | 13.30      | 9.00       | 8.30      | 248.00    |
| 440.23   | [440.23] Clé mixte<br>métrique, 23 mm   | 23        | 33.6       | 49.1      | 13.9       | 8.9        | 8.7       | 257       |
| 440.23PB | [440.23PB] Clé mixte<br>métrique, 23 mm | 23.00     | 33.60      | 49.00     | 13.80      | 9.30       | 8.70      | 257.00    |
| 440.24   | [440.24] Clé mixte<br>métrique, 24 mm   | 24        | 35         | 51        | 14.2       | 8.9        | 8.9       | 267       |

|          |                                         | A<br>(mm) | B1<br>(mm) | B<br>(mm) | E1<br>(mm) | E2<br>(mm) | E<br>(mm) | L<br>(mm) |
|----------|-----------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|
| 440.24PB | [440.24PB] Clé mixte<br>métrique, 24 mm | 24.00     | 35.00      | 51.00     | 14.20      | 9.70       | 8.90      | 267.00    |
| 440.25   | [440.25] Clé mixte<br>métrique, 25 mm   | 25        | 36.4       | 52.9      | 15         | 9.8        | 9.4       | 274       |
| 440.25PB | [440.25PB] Clé mixte<br>métrique, 25 mm | 25.00     | 36.40      | 53.00     | 14.70      | 9.90       | 9.40      | 274.00    |
| 440.26   | [440.26] Clé mixte<br>métrique, 26 mm   | 26        | 37.8       | 55.5      | 15.2       | 9.8        | 9.8       | 285       |
| 440.26PB | [440.26PB] Clé mixte<br>métrique, 26 mm | 26.00     | 37.80      | 55.50     | 15.10      | 10.10      | 9.80      | 285.00    |
| 440.27   | [440.27] Clé mixte<br>métrique, 27 mm   | 27        | 39.2       | 57.9      | 15.8       | 9.8        | 8.9       | 295       |
| 440.27PB | [440.27PB] Clé mixte<br>métrique, 27 mm | 27.00     | 39.20      | 58.00     | 15.60      | 10.40      | 8.90      | 295.00    |
| 440.28   | [440.28] Clé mixte<br>métrique, 28 mm   | 28        | 40.6       | 60.7      | 16.1       | 9.8        | 10.6      | 305       |
| 440.28PB | [440.28PB] Clé mixte<br>métrique, 28 mm | 28.00     | 40.60      | 60.70     | 16.10      | 10.70      | 10.60     | 305.00    |
| 440.29   | [440.29] Clé mixte<br>métrique, 29 mm   | 29        | 42         | 62.8      | 16.6       | 10.5       | 10.8      | 320       |
| 440.29PB | [440.29PB] Clé mixte<br>métrique, 29 mm | 29.00     | 42.00      | 63.00     | 16.60      | 11.20      | 10.80     | 320.00    |
| 440.30   | [440.30] Clé mixte<br>métrique, 30 mm   | 30        | 43.5       | 64.8      | 17.2       | 10.5       | 11.2      | 340       |
| 440.30PB | [440.30PB] Clé mixte<br>métrique, 30 mm | 30.00     | 43.50      | 65.00     | 17.10      | 11.50      | 11.20     | 340.00    |
| 440.32   | [440.32] Clé mixte<br>métrique, 32 mm   | 32        | 46.1       | 67.9      | 18         | 11         | 11.5      | 355       |
| 440.33   | [440.33] Clé mixte<br>métrique, 33 mm   | 33        | 46.8       | 69.8      | 18.5       | 11         | 11.8      | 380       |
| 440.34   | [440.34] Clé mixte<br>métrique, 34 mm   | 34        | 48.9       | 71.9      | 19.2       | 11         | 12.8      | 390       |
| 440.35   | [440.35] Clé mixte<br>métrique, 35 mm   | 35        | 51         | 74.2      | 19.5       | 11.5       | 12.8      | 430       |
| 440.36   | [440.36] Clé mixte<br>métrique, 36 mm   | 36        | 53         | 75.7      | 20         | 12.8       | 13.2      | 440       |
| 440.38   | [440.38] Clé mixte<br>métrique, 38 mm   | 38        | 56         | 79.9      | 22         | 13         | 14.1      | 450       |

|        |                                       | A<br>(mm) | B1<br>(mm) | B<br>(mm) | E1<br>(mm) | E2<br>(mm) | E<br>(mm) | L<br>(mm) |
|--------|---------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|
| 440.41 | [440.41] Clé mixte<br>métrique, 41 mm | 41        | 59         | 84.7      | 23         | 14         | 14.7      | 460       |