

TODO CONTROLADO SIEMPRE.

Las herramientas anti-chispa Urrea, son la herramienta ideal para uso en aplicaciones en entornos de potencial explosivo.

Todas las herramientas están forjadas con una aleación de bronce-aluminio lo que les permite cumplir con las características necesarias para su desempeño, sin causar chispas.

La aleación bronce-aluminio hace que estas herramientas no tengan la dureza de las herramientas manufacturadas con aceros aleados, por lo que se debe evitar someterlas a sobreesfuerzos y mantenerlas alejadas de altas temperaturas.

El uso de la línea de herramientas anti-chispa debe complementarse con otras medidas preventivas.

Otros objetos como ropa, calzado y cualquier material presencial, deben cumplir también con especificaciones anti-chispa.

Precaución: estas herramientas no están clasificadas como antiestáticas debido a que son conductoras de electricidad. No usar herramientas que contengan cobre en contacto directo con acetileno debido a la posible formación de acemilita explosiva en presencia de humedad.

Principales campos de aplicación:

En las industrias petroquímica y similares, minería, química, papelera, pirotécnica, militar, aeroespacial así como en la fabricación de armas y municiones, pinturas, procesamiento de alcohol, plásticos, etc.



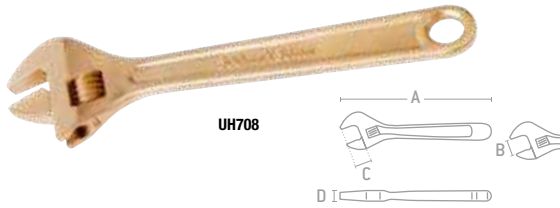
urrea.com

Estamos mejorando constantemente nuestros productos, es por esto que la información, imagen, características y disponibilidad de los mismos pueden cambiar sin previo aviso.

LLAVES AJUSTABLES

LLAVES AJUSTABLES

USO PESADO BRONCE-ALUMINIO



• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

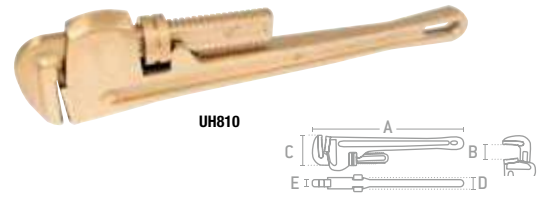
GRANEL

| CÓDIGO | LONGITUD TOTAL (A) | APERTURA MÁXIMA (B) | PROFUNDIDAD DE QUIJADA (C) | ESPESOR DE LLAVE (D) | | P. LISTA |
|--------|--------------------|---------------------|----------------------------|----------------------|---|----------|
| UH708 | 8" | 11/16" | 11/16" | 25/32" | 1 | \$2,289 |
| UH710 | 10" | 15/16" | 15/16" | 25/32" | 1 | \$2,830 |
| UH712 | 12" | 1-3/8" | 1-1/8" | 25/32" | 1 | \$3,740 |
| UH715 | 15" | 1-13/16" | 1-5/8" | 1-7/64" | 1 | \$5,445 |
| UH718 | 18" | 2-5/32" | 2" | 1-7/64" | 1 | \$8,019 |
| UH724 | 24" | 2-1/2" | 2-3/8" | 1-11/32" | 1 | \$14,349 |

LLAVES STILLSON

LLAVES STILLSON

USO PESADO BRONCE-ALUMINIO



• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.
 • Rondana moleteada que permite un rápido y seguro ajuste de la quijada.
 • Mango con sección en "I" para mayor resistencia al torque.

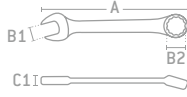
GRANEL

| CÓDIGO | LONGITUD TOTAL (A) | APERTURA MÁXIMA (B) | ANCHO DE CABEZA (C) | ESPESOR DE LLAVE (D) | ESPESOR DE CABEZA (E) | | P. LISTA |
|--------|--------------------|---------------------|---------------------|----------------------|-----------------------|---|----------|
| UH810 | 10" | 1-1/4" | 1-49/64" | 25/32" | 43/64" | 1 | \$3,260 |
| UH812 | 12" | 1-1/2" | 2-1/4" | 25/32" | 53/64" | 1 | \$4,225 |
| UH814 | 14" | 1-15/16" | 2-19/32" | 15/16" | 53/64" | 1 | \$5,379 |
| UH818 | 18" | 2-3/8" | 3-11/32" | 1-3/16" | 1-1/32" | 1 | \$8,485 |
| UH824 | 24" | 2-15/16" | 4-29/64" | 1-37/64" | 1-1/8" | 1 | \$11,755 |

LLAVES COMBINADAS 12 PUNTAS

LLAVES COMBINADAS 12 PUNTAS EN PULGADAS

USO PESADO PULGADAS 12 SUPER DRIVE BRONCE-ALUMINIO



• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO (B) | | ESPESOR | | | P. LISTA |
|--------|-------------------|--------------------|------------|-------------|------------|-------------|---|----------|
| | | | LLAVE (B1) | ESTRÍA (B3) | LLAVE (C1) | ESTRÍA (C2) | | |
| UH1208 | 1/4" | 5" | 5/8" | 13/32" | 15/64" | 3/16" | 1 | \$309 |
| UH1210 | 5/16" | 5-9/16" | 11/16" | 35/64" | 1/4" | 13/64" | 1 | \$325 |
| UH1212 | 3/8" | 6" | 13/16" | 19/32" | 5/16" | 7/32" | 1 | \$365 |
| UH1214 | 7/16" | 6-1/2" | 15/16" | 11/16" | 5/16" | 1/4" | 1 | \$409 |
| UH1216 | 1/2" | 7" | 1-3/64" | 25/32" | 11/32" | 17/64" | 1 | \$515 |
| UH1218 | 9/16" | 7-1/2" | 1-13/64" | 7/8" | 23/64" | 9/32" | 1 | \$579 |
| UH1220 | 5/8" | 8-1/8" | 1-21/64" | 31/32" | 25/64" | 5/16" | 1 | \$709 |
| UH1222 | 11/16" | 8-15/16" | 1-29/64" | 1-3/64" | 27/64" | 21/64" | 1 | \$809 |
| UH1224 | 3/4" | 9-13/16" | 1-9/16" | 1-7/64" | 29/64" | 21/64" | 1 | \$1,095 |
| UH1226 | 13/16" | 10-11/16" | 1-11/16" | 1-7/32" | 31/64" | 3/8" | 1 | \$1,199 |
| UH1228 | 7/8" | 11-9/16" | 1-51/64" | 1-5/16" | 33/64" | 25/64" | 1 | \$1,469 |
| UH1230 | 15/16" | 12-7/16" | 1-29/32" | 1-13/32" | 35/64" | 13/32" | 1 | \$1,580 |
| UH1232 | 1" | 13-5/16" | 2" | 1-1/2" | 37/64" | 7/16" | 1 | \$1,950 |
| UH1234 | 1-1/16" | 14-13/64" | 2-9/64" | 1-5/8" | 39/64" | 29/64" | 1 | \$2,420 |
| UH1236 | 1-1/8" | 15-15/32" | 2-17/64" | 1-45/64" | 5/8" | 15/32" | 1 | \$2,829 |
| UH1238 | 1-3/16" | 20-6/16" | 2-17/64" | 1-45/64" | 5/8" | 15/32" | 1 | \$2,885 |
| UH1240 | 1-1/4" | 16-7/8" | 2-33/64" | 1-7/8" | 11/16" | 33/64" | 1 | \$3,399 |
| UH1242 | 1-5/16" | 17-11/16" | 2-41/64" | 1-61/64" | 3/4" | 35/64" | 1 | \$3,945 |
| UH1244 | 1-3/8" | 18-5/8" | 2-49/64" | 2-1/32" | 49/64" | 9/16" | 1 | \$4,549 |
| UH1246 | 1-7/16" | 19-15/32" | 2-57/64" | 2-9/64" | 13/16" | 9/16" | 1 | \$4,875 |
| UH1248 | 1-1/2" | 20-1/4" | 3" | 2-3/16" | 27/32" | 39/64" | 1 | \$5,755 |
| UH1250 | 1-9/16" | 23" | 3-25/64" | 2-13/32" | 29/32" | 21/32" | 1 | \$6,925 |
| UH1252 | 1-5/8" | 23-1/8" | 3-25/64" | 2-13/32" | 29/32" | 21/32" | 1 | \$7,060 |
| UH1254 | 1-11/16" | 23-1/8" | 3-25/64" | 2-13/32" | 29/32" | 21/32" | 1 | \$7,465 |
| UH1256 | 1-3/4" | 23-1/8" | 3-41/64" | 2-43/64" | 31/32" | 45/64" | 1 | \$9,270 |
| UH1258 | 1-13/16" | 25-7/64" | 3-41/64" | 2-43/64" | 31/32" | 45/64" | 1 | \$9,360 |
| UH1260 | 1-7/8" | 28" | 3-57/64" | 3" | 63/64" | 23/32" | 1 | \$11,295 |
| UH1264 | 2" | 28" | 3-57/64" | 3" | 63/64" | 23/32" | 1 | \$11,689 |

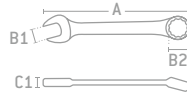
JUEGOS DE LLAVES

| CÓDIGO | UH1200F* | UH1200G* | UH1200H* |
|----------|----------|----------|----------|
| PIEZAS | 15 | 10 | 7 |
| EMPAQUE | | | |
| | 1 | 1 | 1 |
| P. LISTA | \$18,669 | \$9,799 | \$4,255 |

LLAVES COMBINADAS 12 PUNTAS MÉTRICAS



UH1224M



• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

ESTUCHE

JUEGOS DE LLAVES

| CÓDIGO | UH1200QM* | UH1200FM* | UH1200KM* |
|---------|-----------|-----------|-----------|
| PIEZAS | 26 | 15 | 10 |
| EMPAQUE | | | |
| | 1 | 1 | 1 |

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO (B) | | ESPESOR | | ESTUCHE | P. LISTA | P. LISTA | | |
|---------|-------------------|--------------------|------------|-------------|------------|-------------|---------|----------|-----------|-----------|-----------|
| | | | LLAVE (B1) | ESTRÍA (B2) | LLAVE (C1) | ESTRÍA (C2) | | | UH1200QM* | UH1200FM* | UH1200KM* |
| UH1206M | 6 mm | 5-1/16" | 5/8" | 13/32" | 15/64" | 3/16" | 1 | \$325 | • | | |
| UH1207M | 7 mm | 5-1/16" | 5/8" | 13/32" | 15/64" | 3/16" | 1 | \$325 | • | | |
| UH1208M | 8 mm | 5-9/16" | 11/16" | 35/64" | 1/4" | 13/64" | 1 | \$325 | • | | |
| UH1209M | 9 mm | 6-1/16" | 13/16" | 19/32" | 5/16" | 7/32" | 1 | \$325 | • | | |
| UH1210M | 10 mm | 6-9/16" | 15/16" | 11/16" | 5/16" | 1/4" | 1 | \$365 | • | | • |
| UH1211M | 11 mm | 6-9/16" | 15/16" | 11/16" | 5/16" | 1/4" | 1 | \$409 | • | | • |
| UH1212M | 12 mm | 7-1/16" | 1-3/64" | 25/32" | 11/32" | 17/64" | 1 | \$470 | • | | • |
| UH1213M | 13 mm | 7-1/16" | 1-3/64" | 25/32" | 11/32" | 17/64" | 1 | \$515 | • | | • |
| UH1214M | 14 mm | 7-9/16" | 1-13/64" | 7/8" | 23/64" | 9/32" | 1 | \$579 | • | | • |
| UH1215M | 15 mm | 7-9/16" | 1-13/64" | 7/8" | 23/64" | 9/32" | 1 | \$709 | • | | • |
| UH1216M | 16 mm | 8-2/16" | 1-21/64" | 31/32" | 25/64" | 5/16" | 1 | \$809 | • | | • |
| UH1217M | 17 mm | 8-15/16" | 1-29/64" | 1-3/64" | 27/64" | 21/64" | 1 | \$865 | • | | • |
| UH1218M | 18 mm | 8-15/16" | 1-29/64" | 1-3/64" | 27/64" | 21/64" | 1 | \$925 | • | | • |
| UH1219M | 19 mm | 9-13/16" | 1-9/16" | 1-7/64" | 29/64" | 21/64" | 1 | \$1,095 | • | | • |
| UH1220M | 20 mm | 10-11/16" | 1-11/16" | 1-7/32" | 31/64" | 3/8" | 1 | \$1,199 | • | | • |
| UH1221M | 21 mm | 10-11/16" | 1-11/16" | 1-7/32" | 31/64" | 3/8" | 1 | \$1,199 | • | | • |
| UH1222M | 22 mm | 11-9/16" | 1-51/64" | 1-5/16" | 33/64" | 25/64" | 1 | \$1,469 | • | | • |
| UH1223M | 23 mm | 11-9/16" | 1-51/64" | 1-5/16" | 33/64" | 25/64" | 1 | \$1,540 | • | | • |
| UH1224M | 24 mm | 12-7/16" | 1-29/32" | 1-13/32" | 35/64" | 13/32" | 1 | \$1,580 | • | | • |
| UH1225M | 25 mm | 12-7/16" | 1-29/32" | 1-13/32" | 35/64" | 13/32" | 1 | \$1,950 | • | | • |
| UH1226M | 26 mm | 13-5/16" | 2" | 1-1/2" | 37/64" | 7/16" | 1 | \$2,185 | • | | • |
| UH1227M | 27 mm | 14-3/16" | 2-9/64" | 1-5/8" | 39/64" | 29/64" | 1 | \$2,420 | • | | • |
| UH1228M | 28 mm | 15-1/2" | 2-17/64" | 1-45/64" | 5/8" | 15/32" | 1 | \$2,639 | • | | • |
| UH1229M | 29 mm | 15-1/2" | 2-17/64" | 1-45/64" | 5/8" | 15/32" | 1 | \$2,829 | • | | • |
| UH1230M | 30 mm | 15-1/2" | 2-17/64" | 1-45/64" | 5/8" | 15/32" | 1 | \$3,149 | • | | • |
| UH1232M | 32 mm | 16-14/16" | 2-33/64" | 1-7/8" | 11/16" | 33/64" | 1 | \$3,399 | • | | • |
| UH1233M | 33 mm | 17-11/16" | 2-41/64" | 1-61/64" | 3/4" | 35/64" | 1 | \$3,945 | | | |
| UH1234M | 34 mm | 17-11/16" | 2-41/64" | 1-61/64" | 3/4" | 35/64" | 1 | \$4,140 | | | |
| UH1237M | 37 mm | 19-7/16" | 2-57/64" | 2-9/64" | 13/16" | 9/16" | 1 | \$4,875 | | | |
| UH1238M | 38 mm | 20-6/16" | 3" | 2-3/16" | 27/32" | 39/64" | 1 | \$5,755 | | | |
| UH1241M | 41 mm | 23-2/16" | 3-25/64" | 2-13/32" | 29/32" | 21/32" | 1 | \$7,060 | | | |
| UH1242M | 42 mm | 23-2/16" | 3-25/64" | 2-13/32" | 29/32" | 21/32" | 1 | \$7,465 | | | |
| UH1246M | 46 mm | 28" | 3-41/64" | 2-43/64" | 31/32" | 45/64" | 1 | \$9,360 | | | |
| UH1250M | 50 mm | 28" | 3-57/64" | 3" | 63/64" | 23/32" | 1 | \$11,689 | | | |
| UH1251M | 51 mm | 28" | 3-57/64" | 3" | 63/64" | 23/32" | 1 | \$11,805 | | | |

HERRAMIENTAS ANTI-CHISPA

LLAVES DE ESTRÍAS

LLAVES DE ESTRÍAS DE 15° EN PULGADAS



UH1134

- Bocas brochadas a precisión para una perfecta sujeción con la tuerca o tornillo.
- Bocas delgadas para un mejor acceso en áreas estrechas.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

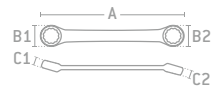


GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO BOCA | | ESPESOR BOCA | | ESTUCHE | P. LISTA |
|--------|-------------------|--------------------|------------|----------|--------------|--------|---------|----------|
| | | | (B1) | (B2) | (C1) | (C2) | | |
| UH1134 | 5/8" x 11/16" | 10-5/8" | 7/8" | 31/32" | 13/32" | 27/64" | 1 | \$635 |
| UH1151 | 1-1/16" x 1-1/4" | 18-1/4" | 1-1/2" | 1-3/4" | 19/32" | 21/32" | 1 | \$2,140 |
| UH1160 | 1-1/4" x 1-3/8" | 20-1/4" | 1-3/4" | 1-29/32" | 11/16" | 23/32" | 1 | \$2,575 |
| UH1162 | 1-7/16" x 1-1/2" | 22-1/4" | 1-63/64" | 2-1/16" | 25/32" | 13/16" | 1 | \$3,420 |
| UH1164 | 1-5/8" x 1-11/16" | 24-1/2" | 2-3/8" | 2-25/64" | 7/8" | 61/64" | 1 | \$4,690 |

LLAVES DE ESTRÍAS

LLAVE DE ESTRÍAS DE 15° MÉTRICA



GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO BOCA | | ESPESOR BOCA | | | P. LISTA |
|---------|-------------------|--------------------|------------|----------|--------------|--------|---|----------|
| | | | (B1) | 2 (B1) | (C1) | (C2) | | |
| UH1079M | 30 x 32 mm | 19-1/4" | 1-3/4" | 1-53/64" | 11/16" | 45/64" | 1 | \$2,240 |

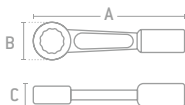
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

LLAVES DE GOLPE PLANAS 12 PUNTAS

LLAVES DE GOLPE PLANAS 12 PUNTAS EN PULGADAS



UH2729SW



GRANEL

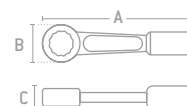
- El diseño plano (en línea, boca respecto al vástago) permite su aplicación en lugares donde no existe un objeto u obstáculo para su accionamiento.
- 12 puntas diseñadas para ajustar perfectamente entre la tuerca y la herramienta.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO DE BOCA (B) | ESPESOR DE LLAVE (C) | | P. LISTA |
|----------|-------------------|--------------------|-------------------|----------------------|---|----------|
| UH2716SW | 1" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,585 |
| UH2717SW | 1-1/16" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2718SW | 1-1/8" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2719SW | 1-3/16" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2720SW | 1-1/4" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2721SW | 1-5/16" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2722SW | 1-3/8" | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2723SW | 1-7/16" | 11-21/64" | 3" | 63/64" | 1 | \$5,575 |
| UH2724SW | 1-1/2" | 11-21/64" | 3" | 63/64" | 1 | \$5,915 |
| UH2726SW | 1-5/8" | 11-21/64" | 3" | 63/64" | 1 | \$5,915 |
| UH2727SW | 1-11/16" | 11-21/64" | 3" | 63/64" | 1 | \$6,159 |
| UH2728SW | 1-3/4" | 11-21/64" | 3" | 63/64" | 1 | \$6,159 |
| UH2729SW | 1-13/16" | 11-21/64" | 3" | 63/64" | 1 | \$6,159 |
| UH2730SW | 1-7/8" | 11-21/64" | 3" | 63/64" | 1 | \$6,619 |
| UH2731SW | 1-15/16" | 11-21/64" | 3" | 63/64" | 1 | \$7,609 |
| UH2732SW | 2" | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$11,409 |
| UH2734SW | 2-1/8" | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$12,189 |
| UH2735SW | 2-3/16" | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$13,339 |
| UH2736SW | 2-1/4" | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$13,339 |
| UH2737SW | 2-5/16" | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$13,339 |
| UH2738SW | 2-3/8" | 14-51/64" | 4-7/64" | 1-31/64" | 1 | \$14,845 |
| UH2740SW | 2-1/2" | 14-51/64" | 4-7/64" | 1-31/64" | 1 | \$15,329 |
| UH2741SW | 2-9/16" | 14-51/64" | 4-7/64" | 1-31/64" | 1 | \$15,595 |
| UH2742SW | 2-5/8" | 14-51/64" | 4-7/64" | 1-31/64" | 1 | \$17,335 |
| UH2744SW | 2-3/4" | 16-18/47" | 4-9/16" | 1-19/32" | 1 | \$20,459 |
| UH2746SW | 2-7/8" | 16-18/47" | 4-9/16" | 1-19/32" | 1 | \$21,010 |
| UH2747SW | 2-15/16" | 16-18/47" | 4-9/16" | 1-19/32" | 1 | \$21,270 |
| UH2748SW | 3" | 16-18/47" | 4-9/16" | 1-19/32" | 1 | \$21,749 |
| UH2750SW | 3-1/8" | 18-27/68" | 5-1/8" | 1-23/32" | 1 | \$24,369 |
| UH2754SW | 3-3/8" | 18-27/68" | 5-1/8" | 1-23/32" | 1 | \$24,470 |
| UH2756SW | 3-1/2" | 18-27/68" | 5-1/8" | 1-23/32" | 1 | \$24,480 |

LLAVES DE GOLPE PLANAS 12 PUNTAS MÉTRICAS



UH2729SWM



GRANEL

- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO DE BOCA (B) | ESPESOR DE LLAVE (C) | | P. LISTA |
|-----------|-------------------|--------------------|-------------------|----------------------|---|----------|
| UH2724SWM | 24 mm | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,585 |
| UH2727SWM | 27 mm | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2730SWM | 30 mm | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2732SWM | 32 mm | 9-1/2" | 2-15/64" | 55/64" | 1 | \$3,789 |
| UH2736SWM | 36 mm | 11-21/64" | 3" | 63/64" | 1 | \$5,575 |
| UH2741SWM | 41 mm | 11-21/64" | 3" | 63/64" | 1 | \$5,915 |
| UH2746SWM | 46 mm | 11-21/64" | 3" | 63/64" | 1 | \$6,159 |
| UH2750SWM | 50 mm | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$11,409 |
| UH2751SWM | 51 mm | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$11,409 |
| UH2755SWM | 55 mm | 13-31/64" | 3-47/64" | 1-31/64" | 1 | \$13,339 |
| UH2760SWM | 60 mm | 14-13/16" | 4-7/64" | 1-31/64" | 1 | \$14,845 |
| UH2765SWM | 65 mm | 14-13/16" | 4-7/64" | 1-31/64" | 1 | \$15,595 |
| UH2770SWM | 70 mm | 12-7/8" | 4-5/16" | 1-3/8" | 1 | \$20,459 |
| UH2775SWM | 75 mm | 13" | 4-21/64" | 1-19/64" | 1 | \$21,270 |
| UH2780SWM | 80 mm | 14-3/16" | 4-31/32" | 1-1/2" | 1 | \$24,369 |
| UH2785SWM | 85 mm | 14-1/8" | 4-15/16" | 1-9/16" | 1 | \$24,470 |

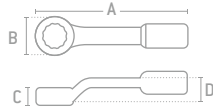
LLAVES DE GOLPE ACODADAS 12 PUNTAS

LLAVES DE GOLPE ACODADAS 12 PUNTAS EN PULGADAS



UH2629SW

- Las llaves de golpe acodadas Urrea, en las que hay un ángulo de la boca respecto al vástago de la llave, permite su uso en lugares en donde existen obstáculos para su accionamiento.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



GRANEL

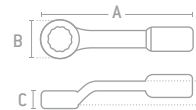
| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO DE BOCA (B) | ESPESOR DE LLAVE (C) | | P. LISTA |
|----------|-------------------|--------------------|-------------------|----------------------|---|----------|
| UH2616SW | 1" | 8-1/2" | 1-11/16" | 5/8" | 1 | \$2,845 |
| UH2617SW | 1-1/16" | 8-1/2" | 1-11/16" | 5/8" | 1 | \$2,845 |
| UH2618SW | 1-1/8" | 8-1/2" | 1-11/16" | 5/8" | 1 | \$3,220 |
| UH2619SW | 1-3/16" | 10-3/4" | 1-7/8" | 13/16" | 1 | \$4,209 |
| UH2620SW | 1-1/4" | 10-3/4" | 1-7/8" | 13/16" | 1 | \$4,295 |
| UH2621SW | 1-5/16" | 10-3/4" | 1-7/8" | 13/16" | 1 | \$4,370 |
| UH2622SW | 1-3/8" | 12" | 2-3/16" | 1" | 1 | \$5,295 |
| UH2623SW | 1-7/16" | 12" | 2-3/16" | 1" | 1 | \$5,500 |
| UH2624SW | 1-1/2" | 12" | 2-3/16" | 1" | 1 | \$5,610 |
| UH2626SW | 1-5/8" | 12-1/4" | 2-13/32" | 1-1/8" | 1 | \$6,239 |
| UH2627SW | 1-11/16" | 12-1/4" | 2-13/32" | 1-1/8" | 1 | \$6,779 |
| UH2628SW | 1-3/4" | 13-7/16" | 2-21/32" | 1-13/16" | 1 | \$7,910 |
| UH2629SW | 1-13/16" | 13-5/8" | 2-61/64" | 1-1/4" | 1 | \$8,875 |
| UH2630SW | 1-7/8" | 13-5/8" | 2-61/64" | 1-1/4" | 1 | \$8,999 |
| UH2631SW | 1-15/16" | 13-5/8" | 2-61/64" | 1-1/4" | 1 | \$9,150 |
| UH2632SW | 2" | 14-1/8" | 3-3/16" | 1-1/4" | 1 | \$11,109 |

LLAVES DE GOLPE ACODADAS 12 PUNTAS MÉTRICAS



US2633WM

- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL | ANCHO DE BOCA | ESPESOR DE LLAVE | | P. LISTA |
|-----------|-------------------|----------------|---------------|------------------|---|----------|
| UH2633SWM | 33 mm | 10-3/4" | 1-7/8" | 13/16" | 1 | \$4,370 |
| UH2650SWM | 50 mm | 13-7/16" | 2-27/32" | 1-1/4" | 1 | \$11,109 |

HERRAMIENTAS ANTI-CHISPA



PODER, QUE SE NOTA.

urrea.com





LLAVE ESTRUCTURAL DE ESTRÍAS

LLAVE ESTRUCTURAL DE ESTRÍAS EN PULGADAS



UH2623

- El mango de la cola es una barra cónica la cual puede utilizarse como barra de alineación en el centrado de barrenos en operaciones de montaje.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

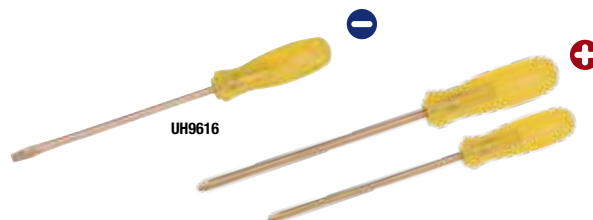


GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL | ANCHO DE BOCA | ESPESOR DE LLAVE | | P. LISTA |
|--------|-------------------|----------------|---------------|------------------|---|----------|
| UH2621 | 1-5/16" | 17" | 2" | 13/16" | 1 | \$2,425 |

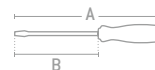
DESTORNILLADORES MANGO ÁMBAR

DESTORNILLADORES MANGO ÁMBAR



UH9616

- Mango de PVC transparente de alta resistencia color ámbar.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.
- Norma: ASTM B148-97 2003.



GRANEL

| CÓDIGO | BARRA | TIPO DEPUNTA | PUNTA | LONGITUD TOTAL (A) | LONGITUD EXPUESTA (B) | | P. LISTA |
|--------|---------|--------------|-------|--------------------|-----------------------|---|----------|
| UH9616 | Redonda | ⊖ | 1/4" | 14-3/8" | 10" | 1 | \$709 |
| UH9687 | Redonda | ⊕ | No. 2 | 14-3/8" | 10" | 1 | \$709 |
| UH9686 | Redonda | ⊕ | No. 3 | 17" | 12" | 1 | \$869 |

LLAVES ESTRUCTURALES BOCA ESPAÑOLA

LLAVES ESTRUCTURALES BOCA ESPAÑOLA EN PULGADAS



UHC905A

- Estas llaves cuentan con una boca fija, comúnmente conocida como española, el mango de la cola es una barra cónica la cual puede utilizarse como barra de alineación en el centrado de barrenos en operaciones de montaje.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



GRANEL

| CÓDIGO | DIMENSIÓN DE BOCA | LONGITUD TOTAL (A) | ANCHO DE BOCA (B) | ESPESOR DE LLAVE (C) | | P. LISTA |
|---------|-------------------|--------------------|-------------------|----------------------|---|----------|
| UHC905A | 13/16" | 14 -1/4" | 2-1/4" | 9/16" | 1 | \$1,409 |
| UHC909A | 1-1/2" | 21" | 3-1/8" | 3/4" | 1 | \$3,490 |
| UHC911 | 1-13/16" | 25" | 4-7/16" | 1" | 1 | \$5,815 |
| UHC911A | 1-7/8" | 25" | 4-7/16" | 1" | 1 | \$5,895 |

PINZAS PARA ELECTRICISTA MANGO BIMATERIAL

PINZAS PARA ELECTRICISTA MANGO BIMATERIAL

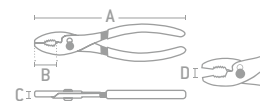


UH268

UH206

UH2292

UH278



- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | DESCRIPCIÓN | LONGITUD TOTAL (A) | LONGITUD QUIJADA (B) | ESPESOR DE PINZA (C) | APERTURA MÁXIMA (D) | QUIJADA | CORTA CABLE | TIPO DE CORTE | LARGO CORTA CABLE | | P. LISTA |
|--------|--------------|--------------------|----------------------|----------------------|---------------------|--------------|-------------|-------------------|-------------------|---|----------|
| UH268 | Electricista | 8" | 2" | 31/64" | 1-7/64" | Electricista | ✓ | Lateral estándar | 5/8" | 1 | \$2,780 |
| UH206 | Corte | 6" | 1-5/16" | 25/64" | 25/32" | Corte | ✓ | Diagonal estándar | 25/32" | 1 | \$2,325 |
| UH2292 | Punta larga | 8" | 4" | 7/16" | 1-15/16" | Punta Larga | ✓ | Lateral estándar | 25/64" | 1 | \$2,465 |
| UH278 | Mecánico | 8" | 1-7/8" | 1-19/64" | 2-1/8" | Mecánico | - | - | - | 1 | \$2,465 |

MARROS OCTAGONALES

MARROS OCTAGONALES



- Asegurados con resina epóxica que garantiza la sujeción del encabado.
- Cabeza de bronce aluminio que evita la deformación de los materiales así como evita la chispa al impacto.
- Nuevo mango de fibra de vidrio con guardacabos integrado.
- Diseño octagonal exclusivo que balancea los esfuerzos brindando mayor durabilidad.
- Dureza 27 a 36 HRC.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



GRANEL

| CÓDIGO | MANGO | PESO CABEZA | | DIÁMETRO CABEZA (A) | LONGITUD CABEZA (B) | LONGITUD CABO (C) | LONGITUD TOTAL (D) | PESO TOTAL | | P. LISTA | |
|--------------------------|-----------------|-------------|---------|---------------------|---------------------|-------------------|--------------------|------------|---------|----------|----------|
| | | KG | LB | | | | | KG | LB | | |
| MANGO EXTRA LARGO | | | | | | | | | | | |
| UH71FG | Fibra de vidrio | 3.4 kg | 7.5 lb | 2-1/8" | 6-1/8" | 32-1/8" | 34" | 4.4 kg | 9.7 lb | 1 | \$6,795 |
| UH72FG | Fibra de vidrio | 4.53 kg | 10 lb | 2-7/32" | 7-3/16" | 32-1/32" | 34" | 5.5 kg | 12.2 lb | 1 | \$8,625 |
| UH73FG | Fibra de vidrio | 6.8 kg | 15 lb | 2-7/16" | 8-1/8" | 31-13/16" | 34" | 7.8 kg | 17.2 lb | 1 | \$12,695 |
| UH74FG | Fibra de vidrio | 8.16 kg | 18 lb | 3-3/25" | 8-3/4" | 31-9/64" | 34" | 9.15 kg | 20.2 lb | 1 | \$15,770 |
| MANGO LARGO | | | | | | | | | | | |
| UH71FGS | Fibra de vidrio | 3.4 kg | 7.5 lb | 2-1/8" | 6-1/8" | 17-7/8" | 20" | 3.97 kg | 8.8 lb | 1 | \$6,455 |
| UH72FGS | Fibra de vidrio | 4.53 kg | 10 lb | 2-7/32" | 7-3/16" | 17-51/64" | 20" | 5.07 kg | 11.2 lb | 1 | \$8,225 |
| UH73FGS | Fibra de vidrio | 6.8 kg | 15 lb | 2-7/16" | 8-1/8" | 17-9/16" | 20" | 7.37 kg | 16.2 lb | 1 | \$12,059 |
| UH74FGS | Fibra de vidrio | 8.16 kg | 18 lb | 3-3/25" | 8-3/4" | 16-7/8" | 20" | 8.72 kg | 19.2 lb | 1 | \$14,980 |
| MANGO CORTO | | | | | | | | | | | |
| UH66FG | Fibra de vidrio | 0.907 kg | 2 lb | 1-11/16" | 4-3/4" | 11-9/16" | 13-1/4" | 1.2 kg | 2.6 lb | 1 | \$1,789 |
| UH67FG | Fibra de vidrio | 1.24 kg | 2.75 lb | 1-3/4" | 5-1/4" | 12-5/8" | 14-3/8" | 1.5 kg | 3.3 lb | 1 | \$2,505 |
| UH68FG | Fibra de vidrio | 1.81 kg | 4 lb | 2" | 5-15/16" | 12-5/8" | 14-3/8" | 1.5 kg | 3.3 lb | 1 | \$3,470 |

MARTILLOS

MARTILLOS DE BOLA



- Asegurados con resina epóxica que garantiza la sujeción del encabado.
- Cabeza en fundición bronce-aluminio que permite el uso cerca de equipo sensible al magnetismo.
- Nuevo mango de fibra de vidrio con guardacabos integrado.
- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



GRANEL

| CÓDIGO | MANGO | PESO CABEZA | | DIÁMETRO CABEZA (A) | LONGITUD CABEZA (B) | LONGITUD TOTAL (C) | PESO TOTAL | | P. LISTA | |
|--------|-----------------|-------------|-------|---------------------|---------------------|--------------------|------------|---------|----------|---------|
| | | KG | OZ | | | | KG | LB | | |
| UH00FG | Fibra de vidrio | 0.198 kg | 7 oz | 1-1/2" | 2-3/4" | 11-1/4" | 0.354 kg | 0.78 lb | 1 | \$770 |
| UH01FG | Fibra de vidrio | 0.51 kg | 18 oz | 1-25/32" | 3-1/16" | 12-1/2" | 0.708 kg | 1.56 lb | 1 | \$1,255 |
| UH02FG | Fibra de vidrio | 0.709 kg | 25 oz | 1-25/32" | 3-1/16" | 12-1/2" | 0.99 kg | 2.18 lb | 1 | \$1,550 |
| UH03FG | Fibra de vidrio | 0.907 kg | 32 oz | 2-3/16" | 3-3/4" | 14-1/4" | 1.19 kg | 2.81 lb | 1 | \$2,099 |

CINCELES



- Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.



UH86A-1X12

GRANEL

| CÓDIGO | ANCHO | MEDIDA DE CUERPO | LONGITUD | P. LISTA | CÓDIGO | ANCHO | MEDIDA DE CUERPO | LONGITUD | P. LISTA |
|------------|-------|------------------|----------|----------|--------------|---------|------------------|----------|----------|
| UH86A-3/16 | 9/32" | 1/4" | 4-7/8" | \$169 | UH86A-3/4X8 | 7/8" | 3/4" | 8" | \$740 |
| UH86A-1/4 | 5/16" | 1/4" | 5-1/8" | \$179 | UH86A-3/4X12 | 7/8" | 3/4" | 12" | \$1,040 |
| UH86A-5/16 | 3/8" | 5/16" | 5-3/8" | \$189 | UH86A-7/8X8 | 1" | 13/16" | 8" | \$1,065 |
| UH86A-3/8 | 7/16" | 3/8" | 5-1/2" | \$210 | UH86A-7/8X12 | 1" | 13/16" | 12" | \$1,569 |
| UH86A-7/16 | 1/2" | 7/16" | 6" | \$240 | UH86A-1X8 | 1-3/16" | 5/16" | 8" | \$1,570 |
| UH86A-1/2 | 5/8" | 1/2" | 6-5/8" | \$315 | UH86A-1X12 | 1-3/16" | 5/16" | 12" | \$2,170 |
| UH86A-5/8 | 3/4" | 5/8" | 7" | \$540 | | | | | |

PUNTOS PARA MARCAR Y BARRENAR

PUNTOS PARA CENTRAR 90°



UH41-3/8

PUNTOS PARA CENTRAR 50°



UH44-3/8

• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | ANCHO | ESPESOR DE PUNTA | LONGITUD TOTAL | ☐ | P. LISTA |
|----------|-------|------------------|----------------|---|----------|
| UH41-1/4 | 1/4" | 1/16" | 4-5/16" | 1 | \$150 |
| UH41-3/8 | 3/8" | 1/8" | 9-15/16" | 1 | \$175 |
| UH41-1/2 | 1/2" | 3/16" | 5-11/16" | 1 | \$279 |

• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | ANCHO | ESPESOR DE PUNTA | LONGITUD TOTAL | ☐ | P. LISTA |
|-----------|-------|------------------|----------------|---|----------|
| UH44-5/16 | 5/16" | 1/8" | 5" | 1 | \$150 |
| UH44-3/8 | 3/8" | 5/32" | 5-1/4" | 1 | \$175 |
| UH44-1/2 | 1/2" | 1/4" | 6-1/16" | 1 | \$279 |

BOTADORES

PUNZONES GUÍA BOTADORES LARGOS



UH96-7/16

• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | ANCHO | ESPESOR DE PUNTA | LONGITUD TOTAL | ☐ | P. LISTA |
|-----------|-------|------------------|----------------|---|----------|
| UH96-1/4 | 1/4" | 1/16" | 10" | 1 | \$275 |
| UH96-5/16 | 5/16" | 1/8" | 10" | 1 | \$275 |
| UH96-3/8 | 3/8" | 3/16" | 10" | 1 | \$289 |
| UH96-7/16 | 7/16" | 1/4" | 10" | 1 | \$399 |
| UH96-1/2 | 1/2" | 1/4" | 10" | 1 | \$479 |
| UH96-5/8 | 5/8" | 5/16" | 10" | 1 | \$639 |
| UH96-3/4 | 3/4" | 3/8" | 10" | 1 | \$970 |

CUÑAS



UHW1

• Ideales para separar piezas metálicas como bridas.

• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | DIMENSIONES | ☐ | P. LISTA |
|--------|------------------|---|----------|
| UHW1 | 150 x 25 x 13 mm | 1 | \$590 |
| UHW2 | 180 x 50 x 19 mm | 1 | \$1,885 |
| UHW3 | 200 x 20 x 30 mm | 1 | \$1,409 |
| UHW4 | 230 x 40 x 20 mm | 1 | \$2,089 |

CEPILLOS

CEPILLO



UH1885

• Ideales para eliminar la corrosión y rebabas.
• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | FILA DE CERDAS | MEDIDAS | LONGITUD DE ALAMBRE | ☐ | P. LISTA |
|--------|----------------|----------------|---------------------|---|----------|
| UH1885 | 6 x 16 | 205 mm x 48 mm | 41 mm | 1 | \$1,890 |

CEPILLO CON MANGO



UH1886

• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | FILA DE CERDAS | MEDIDAS | LONGITUD DE ALAMBRE | ☐ | P. LISTA |
|--------|----------------|----------------|---------------------|---|----------|
| UH1886 | 4 x 16 | 255 mm x 29 mm | 30 mm | 1 | \$1,465 |

CEPILLOS DE ACERO
PÁGINA 425

ESPÁTULAS

ESPÁTULAS CON MANGO BIMATERIAL



UH651

• Hoja rígida.
• Ideales para raspar superficies.
• Herramienta recomendada para zonas de riesgo tipo Ex 1, 2, 21 y 22.

GRANEL

| CÓDIGO | ANCHO DE HOJA | LARGO DE HOJA | ESPESOR DE HOJA | ☐ | P. LISTA |
|--------|---------------|---------------|-----------------|---|----------|
| UH651 | 1" | 4" | 1.5 mm | 1 | \$900 |
| UH652 | 2" | 4" | 1.5 mm | 1 | \$1,349 |
| UH653 | 3" | 3-1/2" | 1.5 mm | 1 | \$1,849 |
| UH654 | 4" | 3-1/2" | 1.5 mm | 1 | \$2,079 |

ESPÁTULAS
PÁGINA 399