

Herramientas de interiores

Tools for internal

Las herramientas KLK están fabricadas con acero templado. La herramienta dispone de orificios de 4 mm para el suministro forzado de líquido refrigerante que, además de lubricar y enfriar la plaquita, se utilizan para extraer las virutas producidas mediante el ranurado del orificio ciego.

La herramienta está disponible en dos diámetros de encaje (25 y 32). Dos líneas de herramientas están disponibles para cada diámetro de encaje: estándar y larga (identificadas por el sufijo "L" en el código).

La herramienta garantiza un bajo impacto en los rodamientos de la máquina.

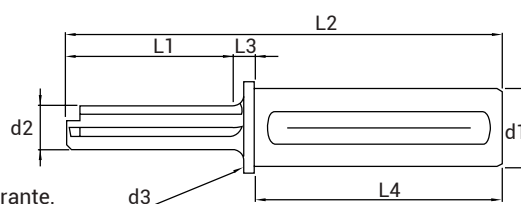
La fuerza de corte para la ejecución de carcasa de llaves de 20 mm de ancho, para una muestra, es comparable a la fuerza de corte requerida para un orificio común con un diámetro de 14 mm.

The KLK tools are made with tempered steel. The tool feature 4 mm holes for the forced supply of coolant liquid which, in addition to lubricating and cooling the insert, are used to extract the chips, produced through slotting, out of the blind hole.

The tool is available in two socket diameters (25 and 32). Two tool lines are available for each socket diameter: standard and long (identified by the suffix "L" in the code).

The tool guarantees low impact on the machine tool bearings.

The cutting force for executing key housings with a 20 mm width, for a example, is comparable to the cutting force required for a common hole with a 14 mm diameter.



* En estas herramientas hay un orificio de 4 mm de extensión forzada refrigerante.

* On these tools there is a 4mm hole forced coolant adduction.

| Ref. | L1 | L2 | L3 | L4 | d1 | d2 | d3 | Orificio min. Min. hole (mm) |
|---------------|------|-------|----|-----|----|----|----|------------------------------------|
| UT-02-25* | 25,0 | 124,0 | 9 | 90 | 25 | 6 | 30 | 7,0 |
| UT-02-25-L* | 34,5 | 133,5 | 9 | 90 | 25 | 6 | 30 | 7,0 |
| UT-02-32* | 25,0 | 134,0 | 9 | 100 | 32 | 6 | 37 | 7,0 |
| UT-02-32-L* | 34,5 | 143,5 | 9 | 100 | 32 | 6 | 37 | 7,0 |
| UT-03-25* | 30,0 | 129,0 | 9 | 90 | 25 | 8 | 30 | 8,7 |
| UT-03-25-L* | 40,0 | 139,0 | 9 | 90 | 25 | 8 | 30 | 8,7 |
| UT-03-32* | 30,0 | 139,0 | 9 | 100 | 32 | 8 | 37 | 8,7 |
| UT-03-32-L* | 40,0 | 149,0 | 9 | 100 | 32 | 8 | 37 | 8,7 |
| UT-04-25* | 40,0 | 139,0 | 9 | 90 | 25 | 10 | 30 | 11,0 |
| UT-04-25-L* | 56,0 | 155,0 | 9 | 90 | 25 | 10 | 30 | 11,0 |
| UT-04-32* | 40,0 | 149,0 | 9 | 100 | 32 | 10 | 37 | 11,0 |
| UT-04-32-L* | 56,0 | 165,0 | 9 | 100 | 32 | 10 | 37 | 11,0 |
| UT-05-25* | 46,0 | 145,0 | 9 | 90 | 25 | 12 | 30 | 13,0 |
| UT-05-25-L* | 66,0 | 165,0 | 9 | 90 | 25 | 12 | 30 | 13,0 |
| UT-05-32* | 46,0 | 155,0 | 9 | 100 | 32 | 12 | 37 | 13,0 |
| UT-05-32-L* | 66,0 | 175,0 | 9 | 100 | 32 | 12 | 37 | 13,0 |
| UT-06-25* | 56,0 | 155,0 | 9 | 90 | 25 | 16 | 30 | 17,0 |
| UT-06-25-L* | 81,0 | 180,0 | 9 | 90 | 25 | 16 | 30 | 17,0 |
| UT-06-32* | 56,0 | 165,0 | 9 | 100 | 32 | 16 | 37 | 17,0 |
| UT-06-32-L* | 81 | 190 | 9 | 100 | 32 | 16 | 37 | 17 |
| UT-08-25* | 68 | 167 | 9 | 90 | 25 | 20 | 30 | 21,5 |
| UT-08-25-L* | 100 | 199 | 9 | 90 | 25 | 20 | 30 | 21,5 |
| UT-08-32* | 68 | 177 | 9 | 100 | 32 | 20 | 37 | 21,5 |
| UT-08-32-L* | 100 | 209 | 9 | 100 | 32 | 20 | 37 | 21,5 |
| UT-10-25 | 86 | 185 | 9 | 90 | 25 | 25 | 32 | 28 |
| UT-10-25-L | 126 | 225 | 9 | 90 | 25 | 25 | 32 | 28 |
| UT-10-32* | 86 | 195 | 9 | 100 | 32 | 25 | 37 | 28 |
| UT-10-32-L* | 126 | 235 | 9 | 100 | 32 | 25 | 37 | 28 |
| UT-12-25 | 104 | 203 | 9 | 90 | 25 | 30 | 35 | 32 |
| UT-12-25-L | 161 | 260 | 9 | 90 | 25 | 30 | 35 | 32 |
| UT-12-32* | 104 | 213 | 9 | 100 | 32 | 30 | 37 | 32 |
| UT-12-32-L* | 161 | 270 | 9 | 100 | 32 | 30 | 37 | 32 |
| UT-14/16-25 | 104 | 225 | 9 | 90 | 25 | 35 | 37 | 37 |
| UT-14/16-25-L | 161 | 279 | 9 | 90 | 25 | 35 | 37 | 37 |
| UT-14/16-32 | 126 | 235 | 9 | 100 | 32 | 35 | 37 | 37 |
| UT-14/16-32-L | 180 | 289 | 9 | 100 | 32 | 35 | 37 | 37 |
| UT-18/25-32 | 140 | 249 | 9 | 100 | 32 | 40 | 45 | 45 |
| UT-18/25-32-L | 200 | 309 | 9 | 100 | 32 | 40 | 45 | 45 |