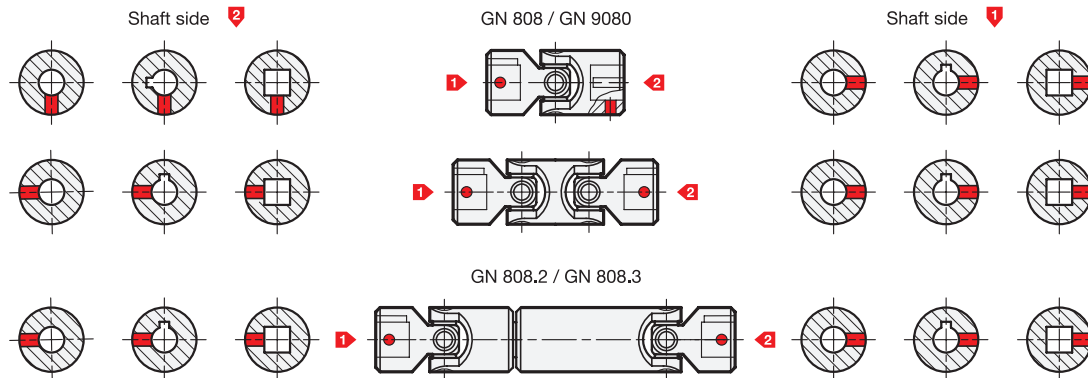


Positioning of the cross holes radially and in relation to the keyway / square for:



**Metric table**

Dimensions in: millimeters - inches

| d <sub>1</sub> H7 / s H11 |            | d <sub>2</sub> H11 for bore code |           | d <sub>3</sub><br>Thread | Length l for bore code |             |
|---------------------------|------------|----------------------------------|-----------|--------------------------|------------------------|-------------|
| K / V                     | B          | K / V                            | B         |                          | K / V                  | B           |
| 6<br>0.24                 | -          | 2<br>0.08                        | 2<br>0.08 | M 3                      | 4<br>0.16              | 4<br>0.16   |
| 8<br>0.31                 | -          | 3<br>0.12                        | 3<br>0.12 | M 5                      | 5.5<br>0.22            | 5.5<br>0.22 |
| 10<br>0.39                | -          | 3<br>0.12                        | 4<br>0.16 | M 5                      | 5.5<br>0.22            | 6<br>0.24   |
| 12<br>0.47                | 14<br>0.55 | 4<br>0.16                        | 5<br>0.20 | M 6                      | 6.5<br>0.26            | 7<br>0.28   |
| 16<br>0.63                | 18<br>0.71 | 5<br>0.20                        | 6<br>0.24 | M 6                      | 8<br>0.31              | 9<br>0.35   |

| d <sub>1</sub> H7 / s H11 |            | d <sub>2</sub> H11 for bore code |            | d <sub>3</sub><br>Thread | Length l for bore code |            |
|---------------------------|------------|----------------------------------|------------|--------------------------|------------------------|------------|
| K / V                     | B          | K / V                            | B          |                          | K / V                  | B          |
| 20<br>0.79                | -          | 5<br>0.20                        | 8<br>0.31  | M 6                      | 8<br>0.31              | 10<br>0.39 |
| 22<br>0.87                | -          | 6<br>0.24                        | 8<br>0.31  | M 6                      | 10<br>0.39             | 10<br>0.39 |
| 25<br>0.98                | -          | 6<br>0.24                        | 10<br>0.39 | M 8                      | 10<br>0.39             | 14<br>0.55 |
| 30<br>1.18                | 32<br>1.26 | 6<br>0.24                        | 12<br>0.47 | M 8                      | 14<br>0.55             | 16<br>0.63 |
| 35<br>1.38                | -          | 6<br>0.24                        | 12<br>0.47 | M 8                      | 16<br>0.63             | 16<br>0.63 |

**Information**

Cross holes in universal joint shafts and in universal shafts are suitable for making shaft-hub connections using a pin or a grub screw. For bores with keyway or square, they serve to secure the axial position of the universal joint and shaft. The d<sub>2</sub> pin hole with H11 tolerance is intended for use with spiral spring pins.

The position of the cross holes / cross threads in relation to the keyway / square or the universal joints is shown in the overview.

To order cross hole GN 110.1, please call our sales team:

- USA: +1-800-877-8351
- Mexico: +52(81)2721-4021
- Canada: +1-800-397-6993

