

Cutting ring couplings, light or heavy, which thread?

Cutting ring couplings are divided into “light” (L) or “heavy” (S) versions. Depending on the prevailing conditions in a hydraulic system (operating pressures, static or dynamic load, etc.) the choice needs to be made between type L or type S.

The dimensions of cutting ring couplings are defined in the DIN 2353 standard, in order to avoid any ambiguity.

Up to and including 12mm piping, cutting ring couplings are available in both L and S.

| Pipe diameter | Light (L) | Heavy (S) | Thread (L) | Thread (S) |
|---------------|-----------|-----------|------------|------------|
| 6mm | Yes | Yes | M12x1,5 | M14x1,5 |
| 8mm | Yes | Yes | M14x1,5 | M16x1,5 |
| 10mm | Yes | Yes | M16x1,5 | M18x1,5 |
| 12mm | Yes | Yes | M18x1,5 | M20x1,5 |
| 14mm | No | Yes | -- | M22x1,5 |
| 15mm | Yes | No | M22x1,5 | -- |
| 16mm | No | Yes | -- | M24x1,5 |
| 18mm | Yes | No | M26 x1,5 | -- |
| 20mm | No | Yes | -- | M30x2 |
| 22mm | Yes | No | M30x2 | -- |
| 25mm | No | Yes | -- | M36x2 |
| 28mm | Yes | No | M36x2 | -- |
| 30mm | No | Yes | -- | M42x2 |
| 35mm | Yes | No | M45x2 | -- |
| 38mm | No | Yes | -- | M52x2 |
| 42mm | Yes | No | M52x2 | -- |