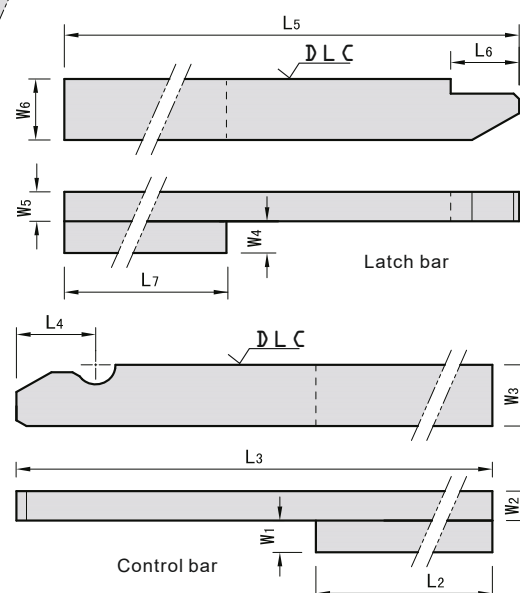
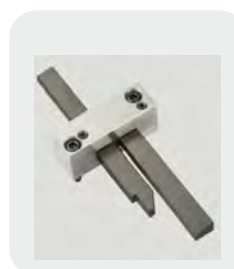
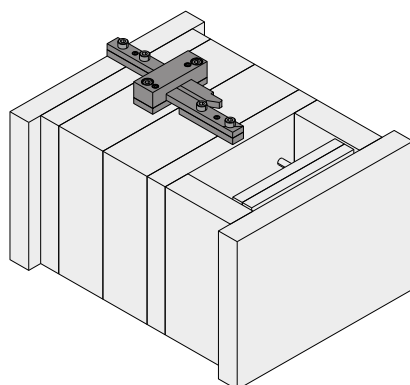
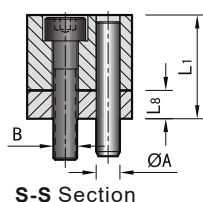
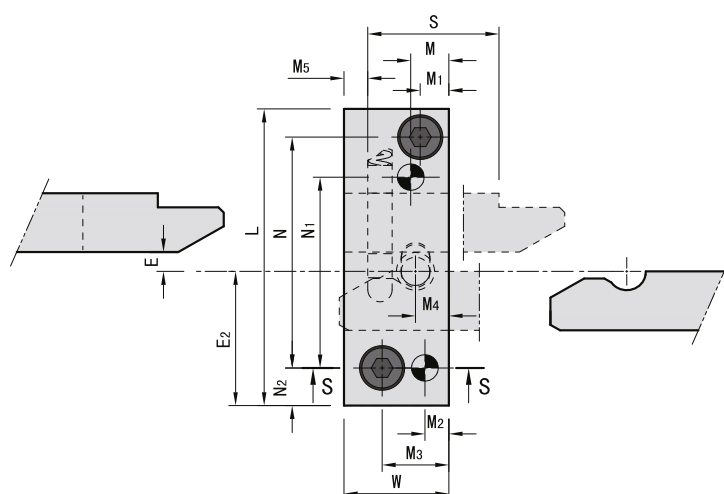


DIN

Latch locks

KZZ270



## Features:

1. Mechanical interlocking design ,safe and reliable.
2. Insert bar, end of pull rod adopt high frequency annealing treatment, so that easy to second time processing installed holes.
3. This latch parts not only control opening mold sequence, But also control closed open sequence.
4. It's the external version of ZZ170, there added DLC coating on the surface of inserting rod, pulling rod, it's more wearable and more living life.

| Code     | L   | L1   | L2  | L3  | L4   | L5  | L6   | L7  | L8  | E | E2   | M3 | N  | N1   | M2 |
|----------|-----|------|-----|-----|------|-----|------|-----|-----|---|------|----|----|------|----|
| KZZ270-1 | 63  | 22   | 63  | 100 | 16   | 125 | 13.8 | 80  | 6   | 4 | 28.5 | 14 | 49 | 40.5 | 8  |
| KZZ270-2 | 90  | 32.5 | 100 | 140 | 22.5 | 160 | 17.7 | 125 | 7.5 | 6 | 45   | 24 | 69 | 62   | 13 |
| KZZ270-3 | 110 | 44   | 100 | 200 | 25   | 250 | 17.6 | 125 | 12  | 7 | 55   | 31 | 80 | 80   | 15 |

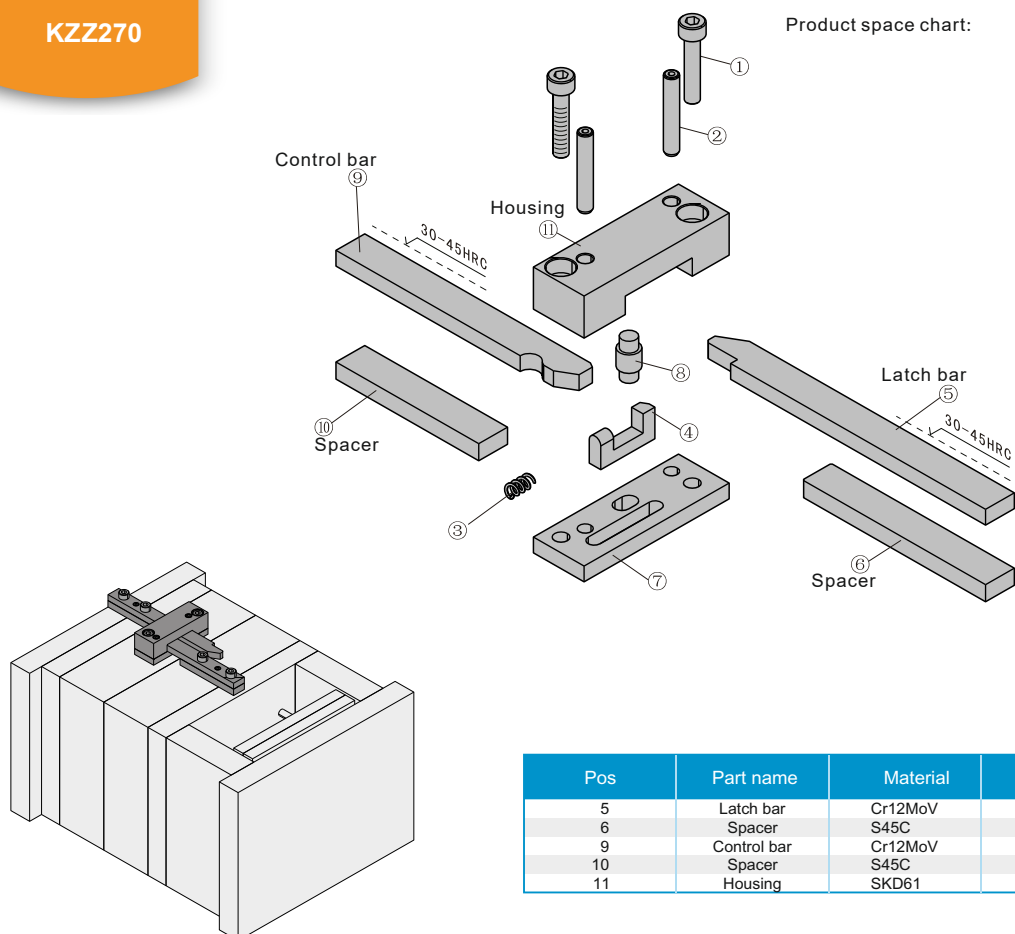
| Code     | M  | M1 | M2 | M3 | M4 | M5 | W  | W1   | W2   | W3   | W4   | W5   | W6   | A  | B  |
|----------|----|----|----|----|----|----|----|------|------|------|------|------|------|----|----|
| KZZ270-1 | 8  | 6  | 5  | 14 | 7  | 5  | 22 | 6.5  | 6    | 12.5 | 6.5  | 6    | 12.5 | Ø5 | M5 |
| KZZ270-2 | 18 | 8  | 8  | 24 | 16 | 7  | 34 | 8    | 12.5 | 20   | 8    | 12.5 | 16   | Ø6 | M6 |
| KZZ270-3 | 22 | 9  | 9  | 31 | 20 | 7  | 42 | 12.5 | 16   | 25   | 12.5 | 16   | 20   | Ø8 | M8 |

| Code     | (min.)<br>Stroke | S(max.)<br>Stroke | Pulling force<br>F(≤kgf) |
|----------|------------------|-------------------|--------------------------|
| KZZ270-1 | 5.5              | 80                | 800                      |
| KZZ270-2 | 9.5              | 110               | 1400                     |
| KZZ270-3 | 10.5             | 190               | 2400                     |



## Latch locks

**KZZ270**



| Pos | Part name   | Material | Hardness |
|-----|-------------|----------|----------|
| 5   | Latch bar   | Cr12MoV  | 56± 3HRC |
| 6   | Spacer      | S45C     | -        |
| 9   | Control bar | Cr12MoV  | 56± 3HRC |
| 10  | Spacer      | S45C     | -        |
| 11  | Housing     | SKD61    | 48-52HRC |

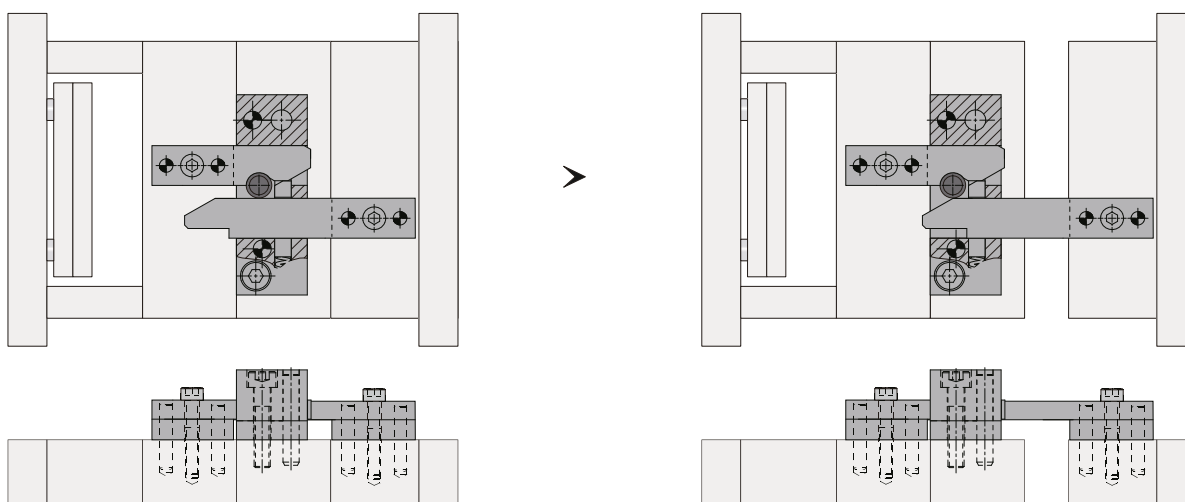
### Installation Guidelines:

- Please install the housing in parallel to the parting line first.
- Before install the control bar, please cut it to the necessary length, form the bolt hole. Please tighten the screw when mold closed. (Please note: Make sure in a fully position mold before fix the control bar, and eliminate the clearance between the control bar and locking roller ).
- Please cut the latch bar to the necessary length, and installation in parallel to the parting line.
- Please install the latch lock symmetrically, otherwise, it would be fractured with the unbalanced force due to only one side of lock set be forced.
- This latch lock is the precise standardized item, please do not apply together with other own customer machined parts.
- If mold need to maintain, please remove the latch locks first.
- After installed, carry out a functional test, check whether the individual parts of the latch lock units moves smoothly, the stroke is applicable. Recommend testing on matched Molds machine or Injection machine, no Lifting Machine.



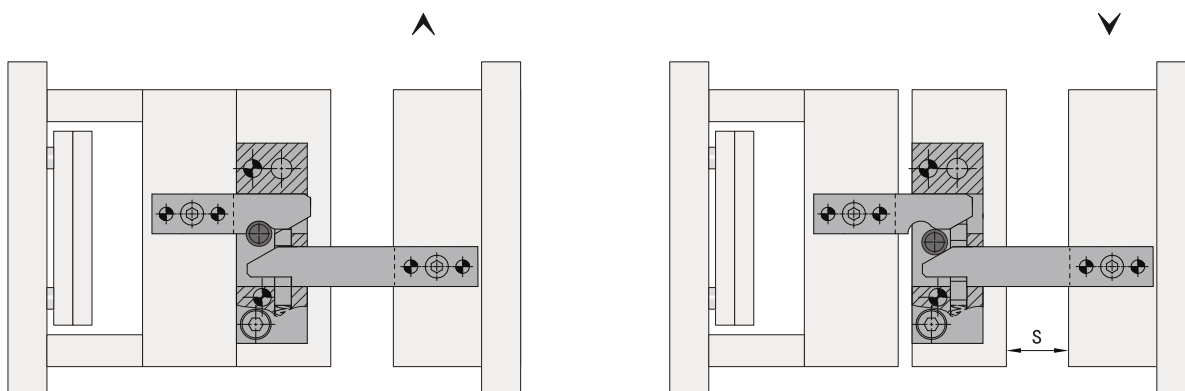
## Latch locks

Functional chart:



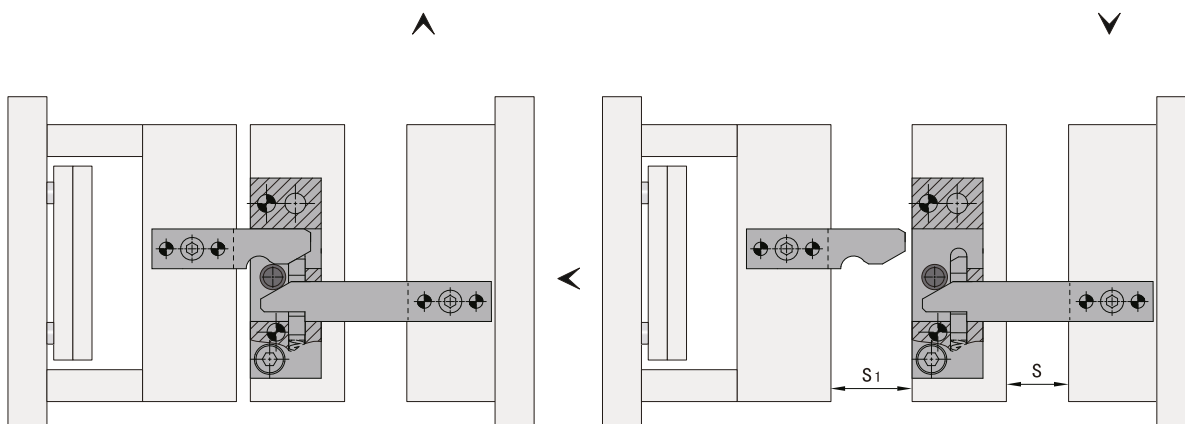
Mold closed

Mold opening



The 1st mold closed

The 1st mold opened



The 1st mold closing

The 2nd mold opened