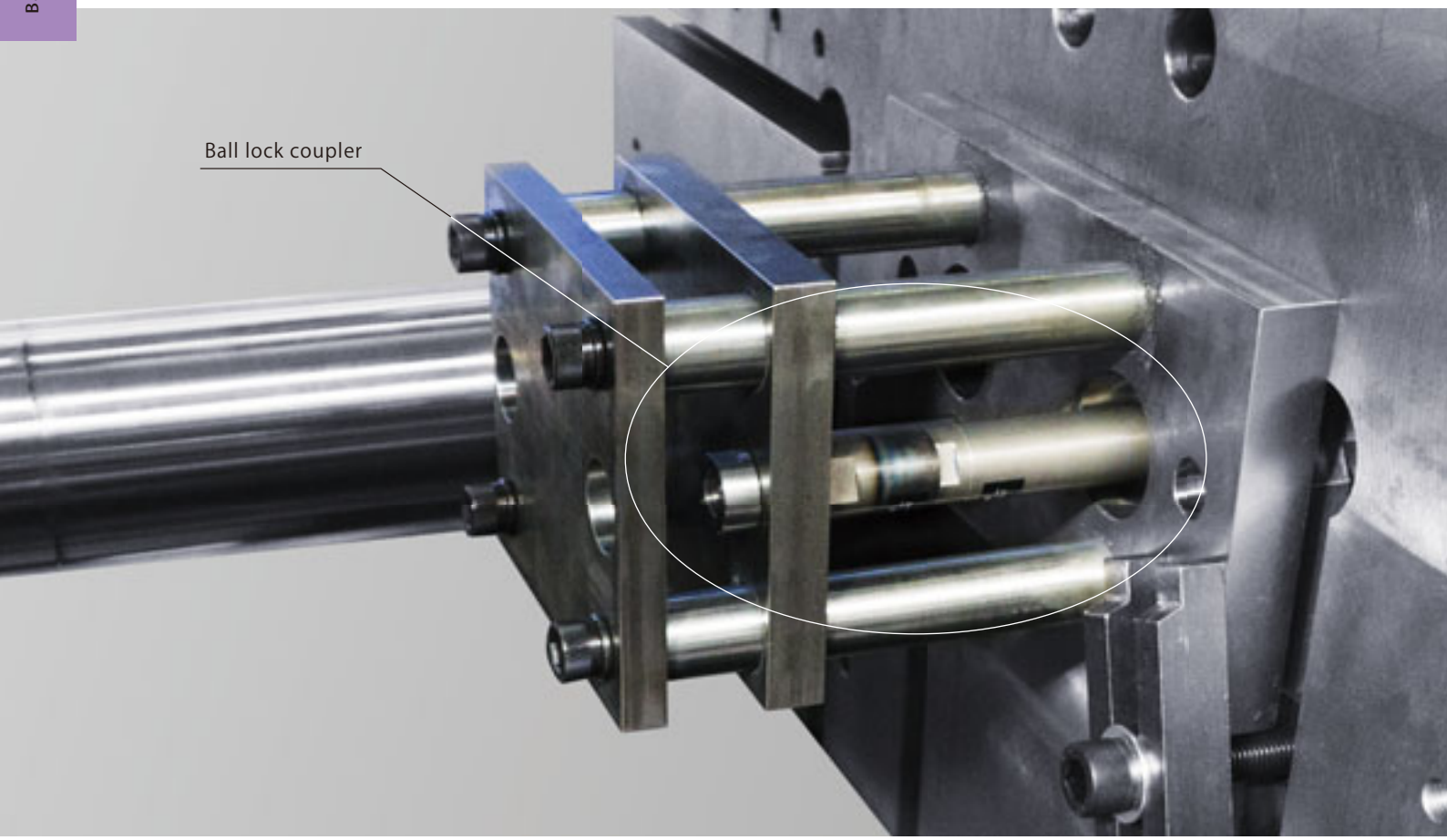
Automatic connection of ejector rod

Connection and disconnection of ejector cylinder and plate（A and B）on die side can be automatic by connecting and disconnecting the ejector rod with ball locking. Connection and disconnection is available outside the machine by button operation and it shortens a set up time.



Model designation

Machine side

MED 25 P

Rod diameter

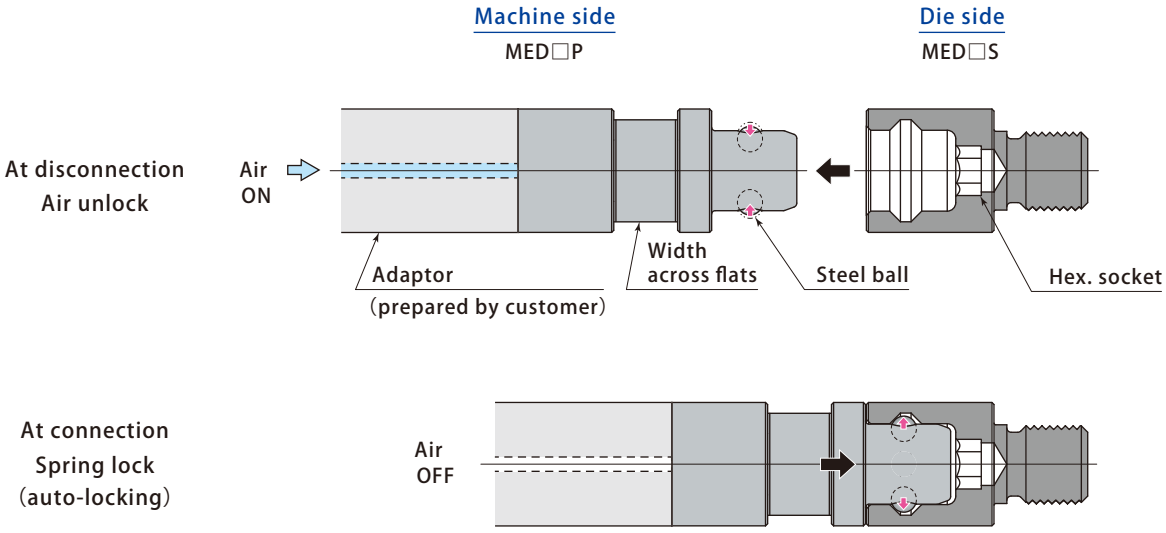
25 : ø25mm
29 : ø29mm
37 : ø37mm

Die side

MED 25 S

Rod diameter

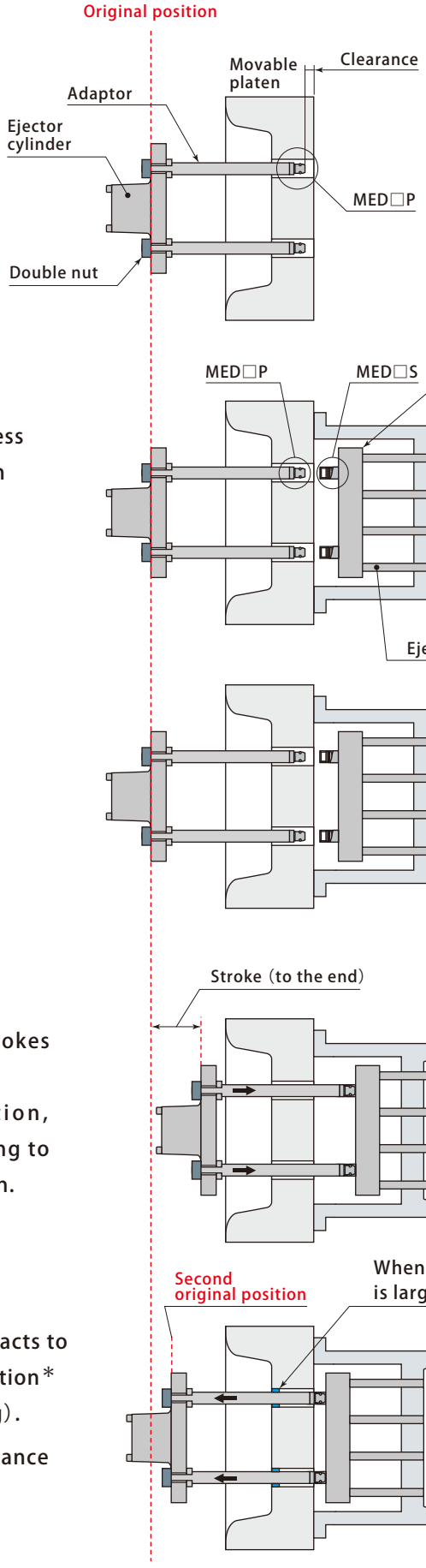
25 : ø25mm
29 : ø29mm
37 : ø37mm



Model			MED25	MED29	MED37
Rod diameter		mm	ø25	ø29	ø37
Max. allowable load	When projected	kN	25	40	63
	When returned	kN	4.0	6.3	10
Operational system	Lock		Spring lock (automatic clamp)		
	Unlock		Air unlock		
Operating air pressure		MPa	0.2 ～ 0.7		
Operating temperature		℃	0 ～ 70		
Weight	Machine side	g	140	195	385
	Die side	g	85	135	260

● O-ring is included on machine side. (quantity : 1 , material : NBR)

Operational sequence



1 Initial state

2 Die loading
→ Adjusting die thickness
→ Clamping completion

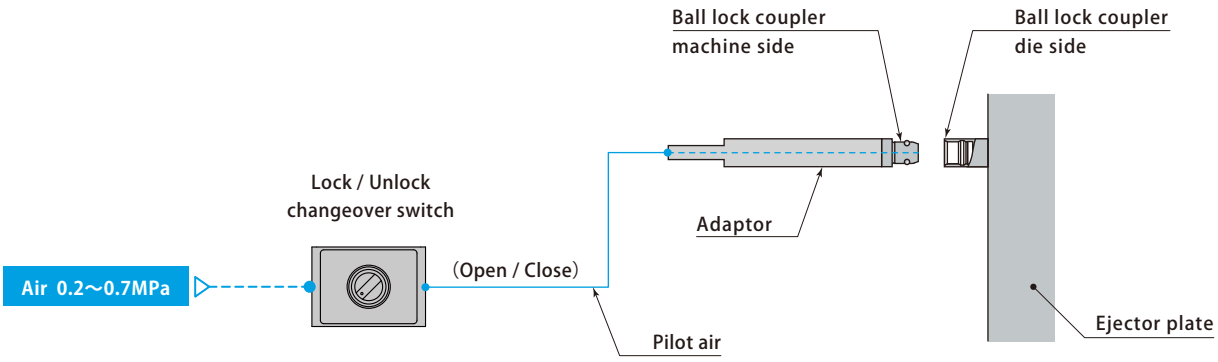
3 Die opening

4 The ejector cylinder strokes forward to the end*.
After stroke completion, turn off the air unlocking to complete the connection.

5 The ejector cylinder retracts to the second original position* (position for die-casting).

* Determined in accordance with die size.

Air circuit diagram



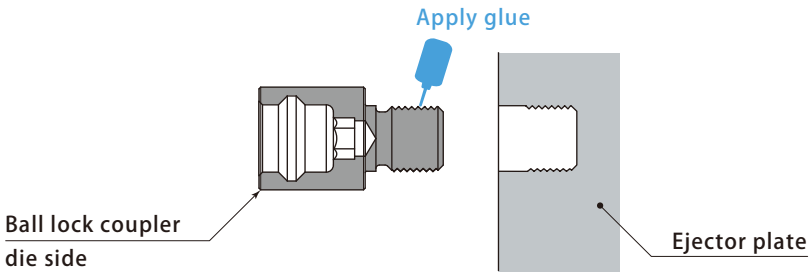
＊ In case that interlock is required, contact Pascal.

Caution in use

- When the air pressure is insufficient, unlocking may not be performed.
- Mount the ball lock couplers on machine side and die side with the tightening torque shown below. Excess and deficiency of tightening torque causes a malfunction.

Model		MED25	MED29	MED37
Tightening torque	N·m	50	80	130

- Applying glue（moderate strength）is recommended on die side.
  Recommended glue for screw lock：Loctite 243



- Make sure to use the adaptor which material has more strength than carbon steel for machine structural use（S45C etc.）. In case of using a rolled steel for general structural use（SS400 etc.）, adaptor may be worn, deformed and damaged due to strength deficiency.