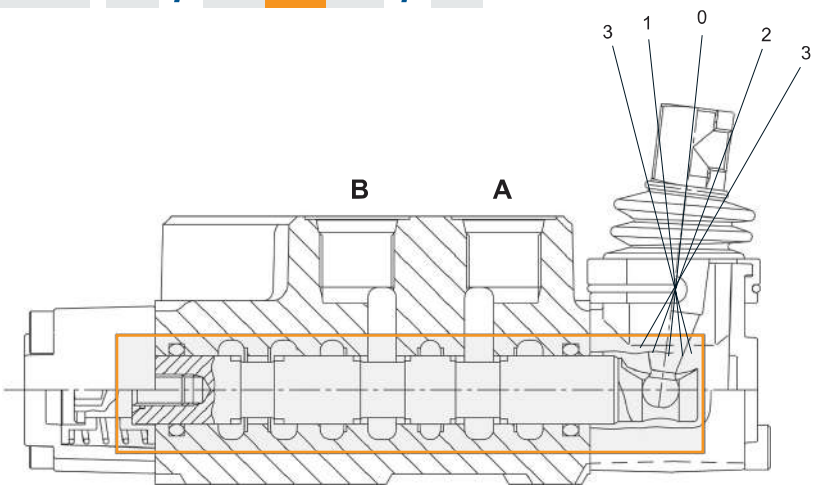
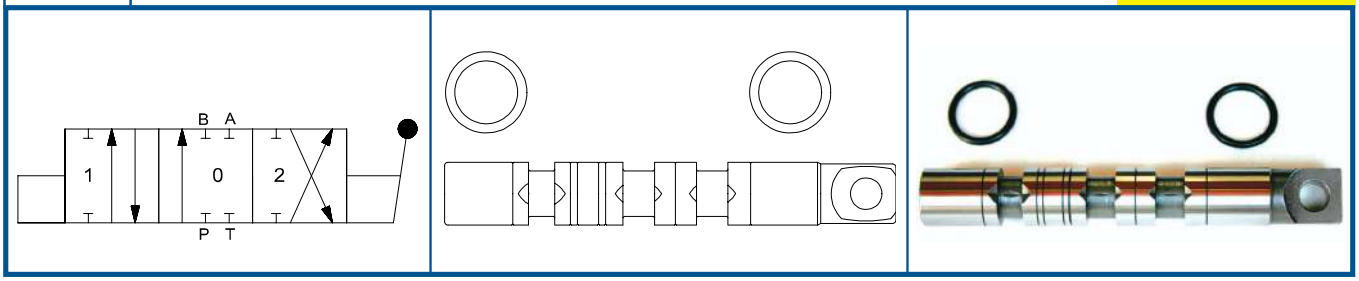
SPOOLS

BM __ / __ __ __ (_) __ / __ __ __ / __

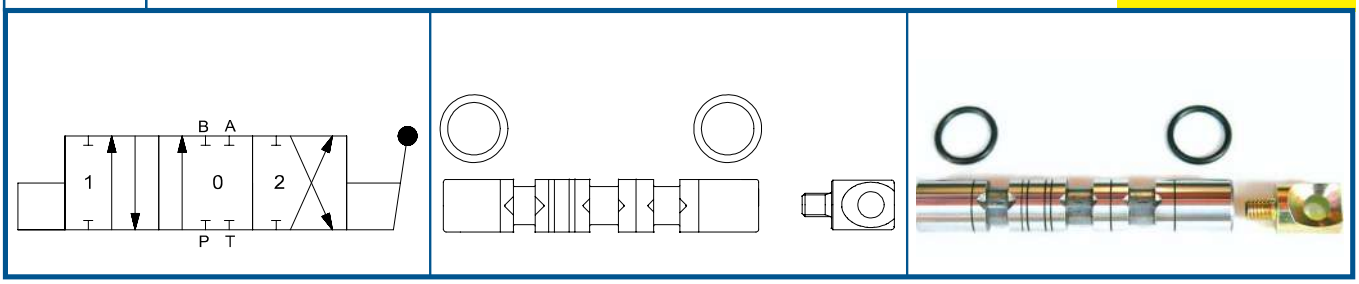


SPOOL A **COD. 560096**



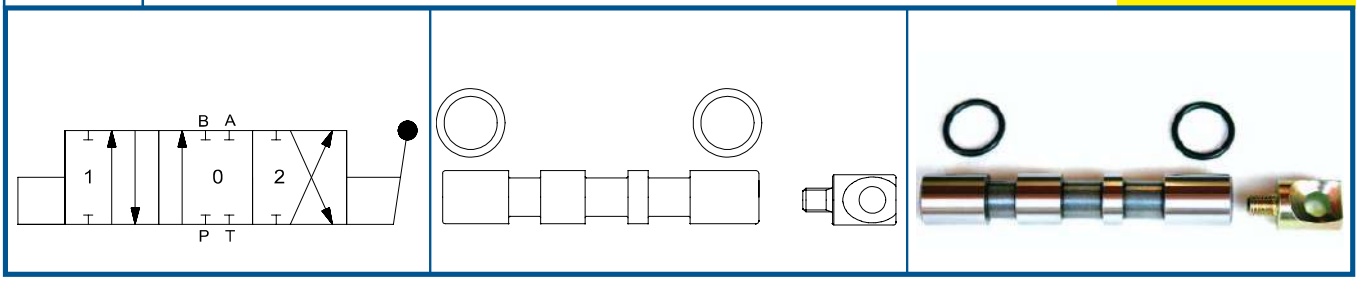
4-WAY / 3-POSITION SPOOL. Provides control of double-acting cylinders or bi-directional hydraulic motors. In position 0 work ports are blocked.

SPOOL AS **COD. 560111**



4-WAY / 3-POSITION SPOOL. Same features as spool A but with threaded spool end. Required to assembly the joystick (JS) or for special applications.

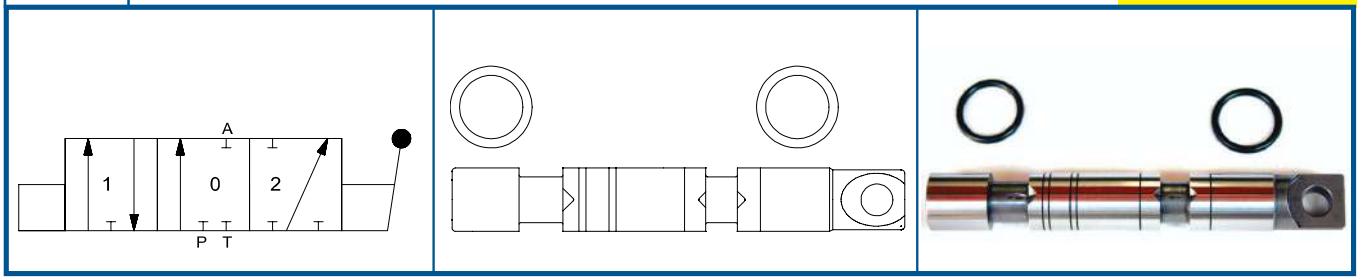
SPOOL SP **COD. 560109**



4-WAY / 3-POSITION SPOOL. Same features as spool AS but without meetering. Required for special applications (i.e. woodsplitter).

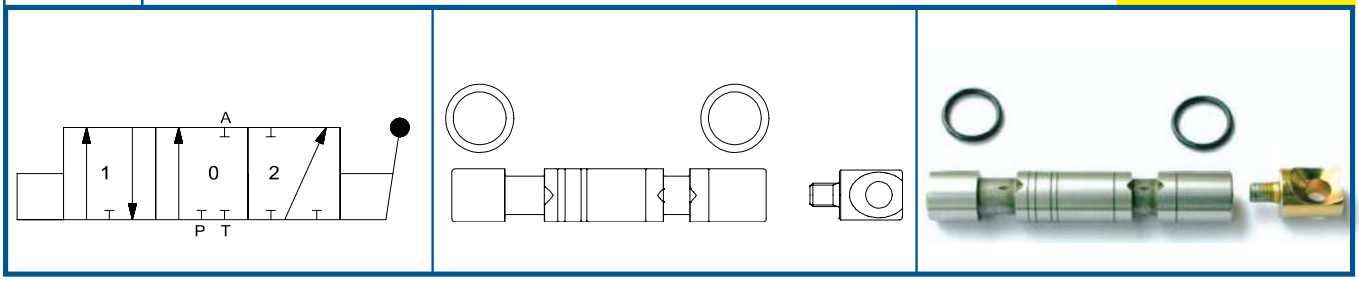
BM __ / __ __ __ (_) __ / __ __ __ / __

SPOOL B **COD. 560097**



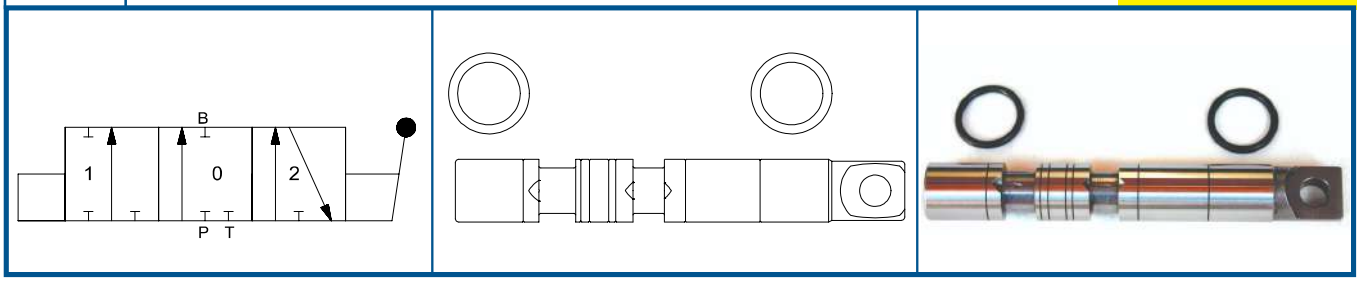
3-WAY / 3-POSITION SPOOL. Provides control of single-acting cylinders or start and stop of uni-directional hydraulic motors. In position 0 work port is blocked. B port is plugged.

SPOOL BS **COD. 560112**



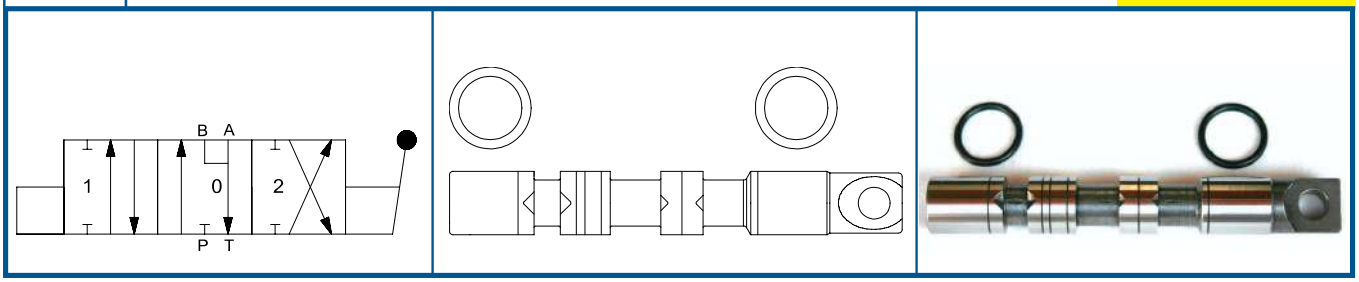
3-WAY / 3-POSITION SPOOL. Same features as spool B but with threaded spool end. Required to assembly the joystick (JS) or for special applications.

SPOOL C **COD. 560098**



3-WAY / 3-POSITION SPOOL. Provides control of single-acting cylinders or start and stop of uni-directional hydraulic motors. In position 0 work port is blocked. A port is plugged.

SPOOL D **COD. 560099**



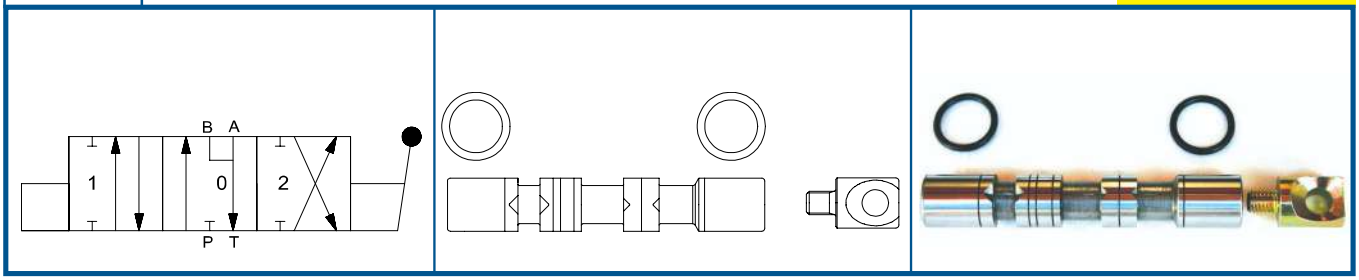
4-WAY / 3-POSITION SPOOL, OPEN CENTER (MOTOR SPOOL). Provides control of double acting cylinders or bi-directional hydraulic motors. Allows a cylinder to float or a motor to wheel free when the spool is in position 0. Work ports are open to the tank port when the spool is in position 0.

SPOOLS

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SPOOL DS

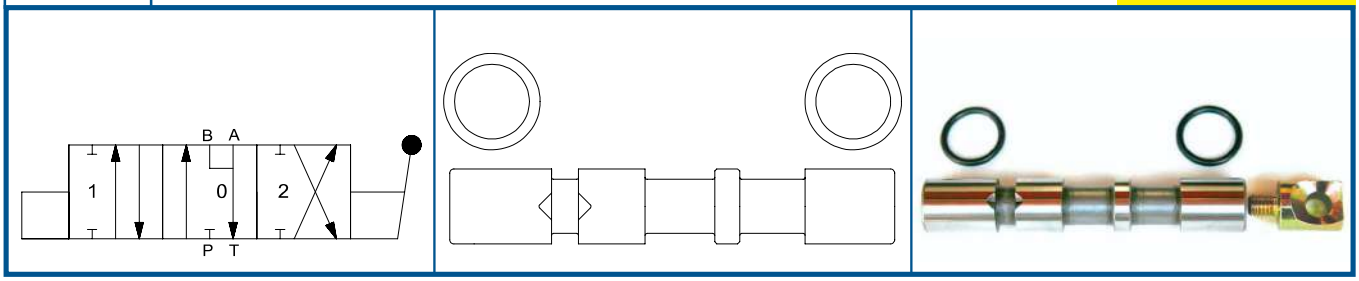
COD. 560114



4-WAY / 3-POSITION SPOOL, OPEN CENTER (MOTOR SPOOL). Same features of spool D but with threaded spool end. Required to assembly the joystick (JS) or for special applications.

SPOOL INS

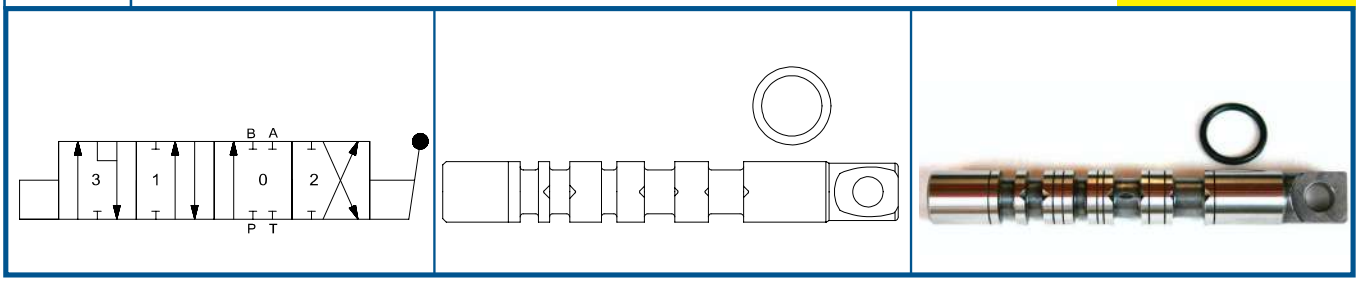
COD. 560110



4-WAY / 3-POSITION SPOOL, OPEN CENTER (MOTOR SPOOL). Same features as spool DS but without meetering. Required for special applications.

SPOOL K

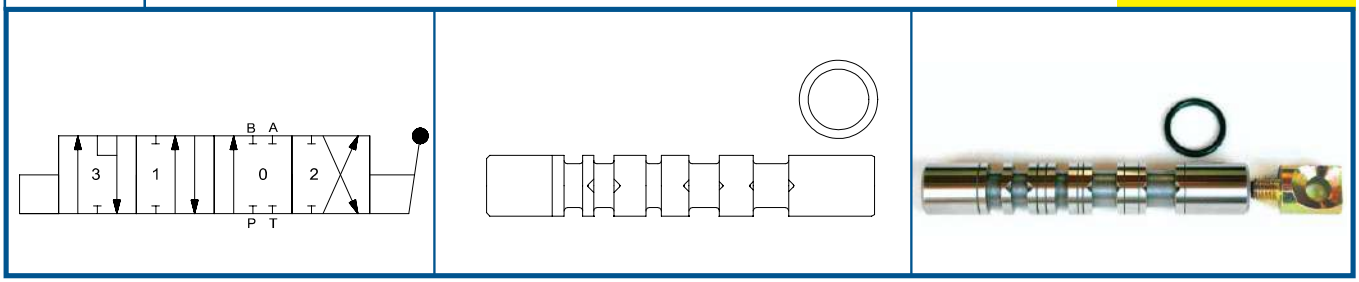
COD. 560102



4-WAY / 4-POSITION, FLOATING SPOOL. Same features as spool A with the addition of a fourth floating position. The floating position allows a cylinder to float or a motor to wheel free when the spool is in position 3. To be combined only with spool controls 16 or 54. Special machining on the body is required.

SPOOL KS

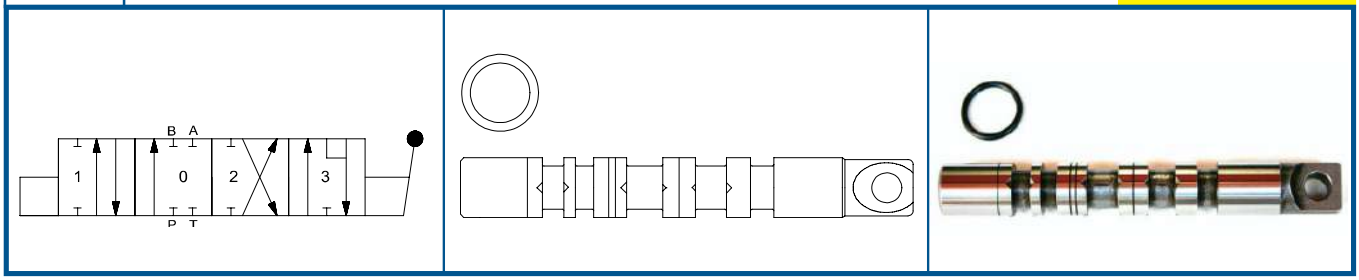
COD. 560421



4-WAY / 4-POSITION, FLOATING SPOOL. Same features as spool K but with threaded spool end. Required to assembly the joystick (JS) or for special applications. To be combined only with spool controls 16 or 54. Special maching on the body is required.

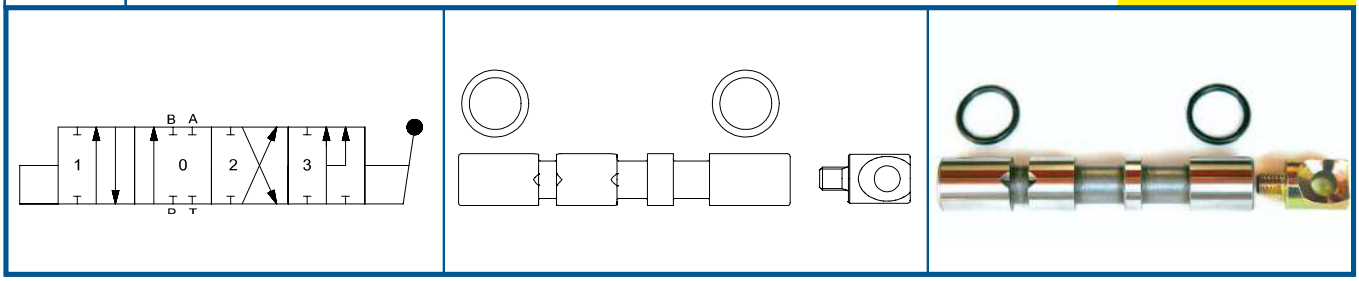
BM __ / __ __ __ (_) __ / __ __ __ / __

SPOOL L **COD. 560103**



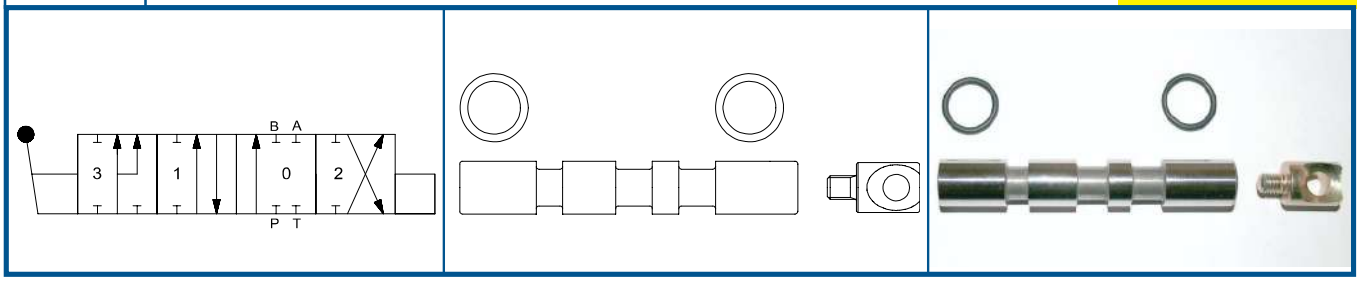
4-WAY / 4-POSITION, FLOATING SPOOL. Same features as spool A with the addition of a fourth floating position. The floating position allows a cylinder to float or a motor to wheel free when the spool is in position 3. To be combined only with spool controls 12, 13 or 53. Special machining on the body is required.

SPOOL Z **COD. 560108**



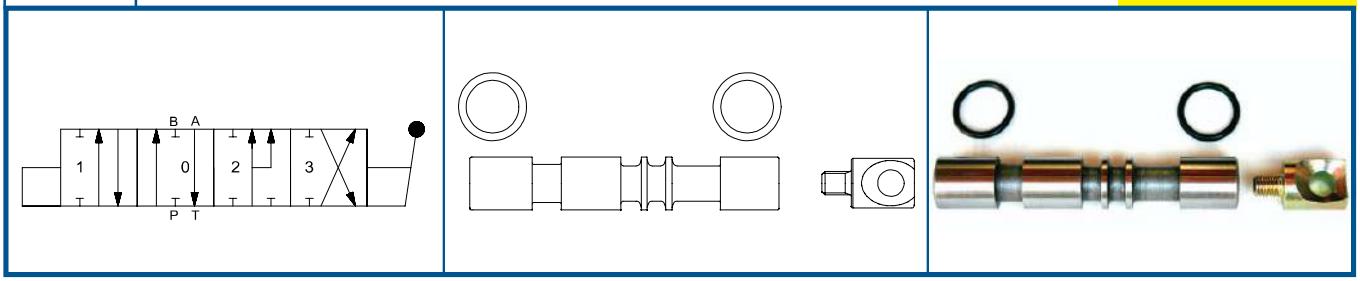
4-WAY / 4-POSITION REGENERATIVE SPOOL. Same features as spool A with the addition of a fourth regenerative circuit in position 3. The regenerative circuit allows the cylinder to increase its speed, in one way only, adding the oil returning from the rod chamber of the cylinder to the pump flow. To be combined only with spool controls 14, 42, 43 or 44. Special machining on the body is required.

SPOOL WS **COD. 560772**



4-WAY / 4-POSITION REGENERATIVE SPOOL. Same features as spool Z but with threaded spool end. To be combined only with spool controls 42 or 43. Special machining on the body is required.

SPOOL ZI **COD. 560645**



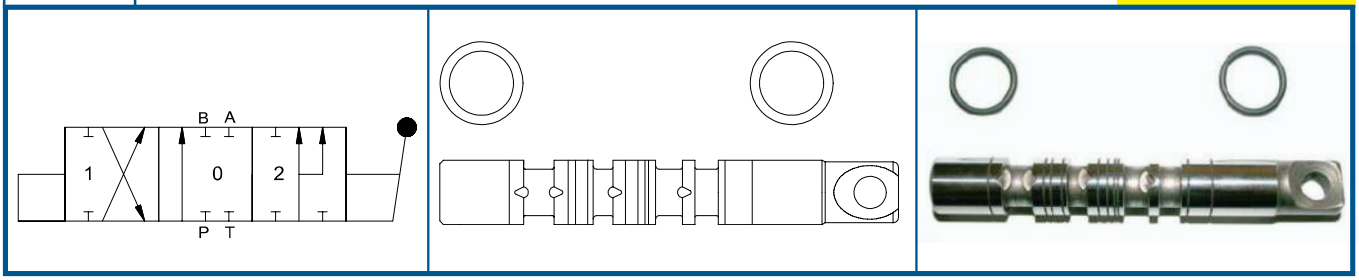
4-WAY / 4-POSITION REGENERATIVE SPOOL. Same features as spool Z. The fourth regenerative circuit is in position 2. To be combined only with spool control 17. Special machining on the body is required.

SPOOLS

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SPOOL R

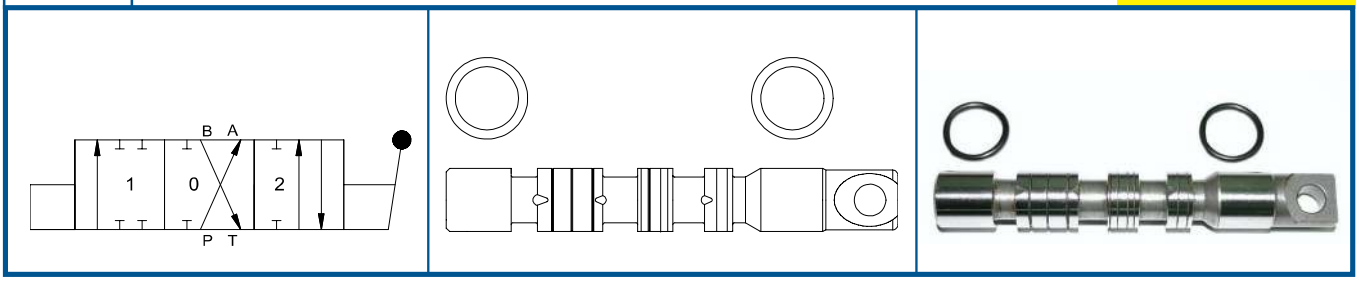
COD. 560228



4-WAY / 3-POSITION REGENERATIVE SPOOL. Provides control of double-acting cylinders or bi-directional hydraulic motors. The regenerative circuit is in position 2. The regenerative circuit allows the cylinder to increase its speed, in one way only, adding the oil returning from the rod chamber of the cylinder to the pump flow. Special machining on the body is required.

SPOOL Y

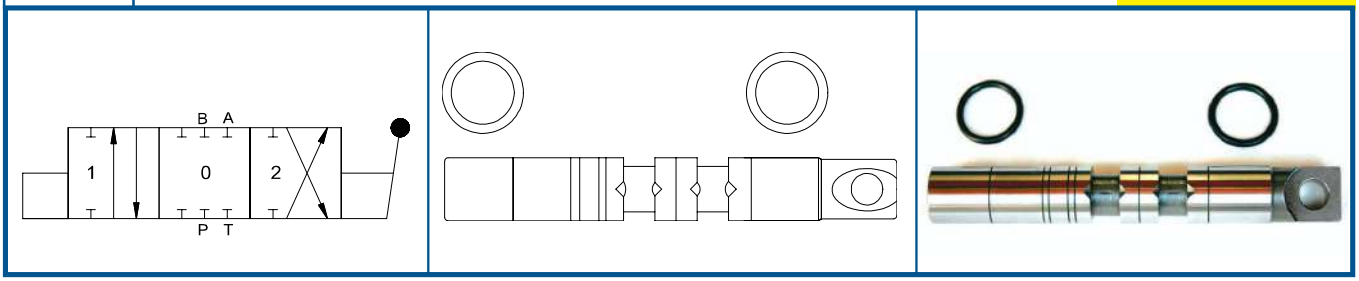
COD. 560107



4-WAY / 3-POSITION SPOOL. Provides control of bi-directional motors. Required when the sequence of the stop an go of the motor is different than usual. The neutral position is in position 1.

SPOOL M

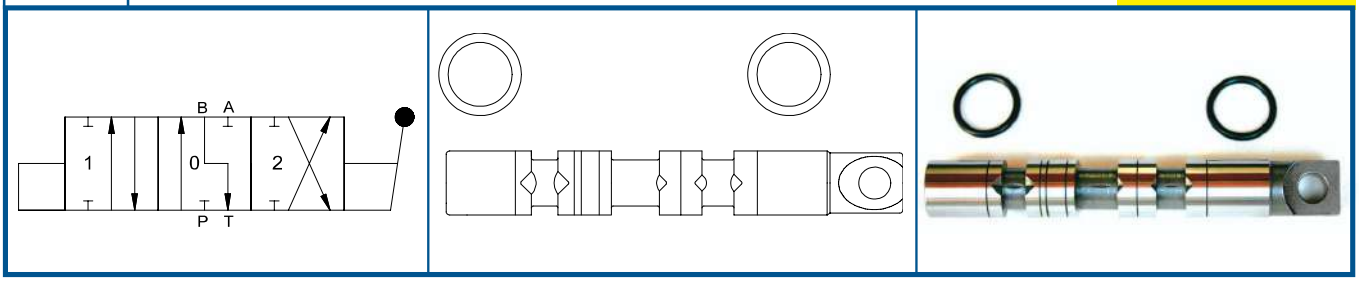
COD. 560104



4-WAY / 3-POSITION SPOOL. Same features as spool A to be used in a closed center system.

SPOOL E

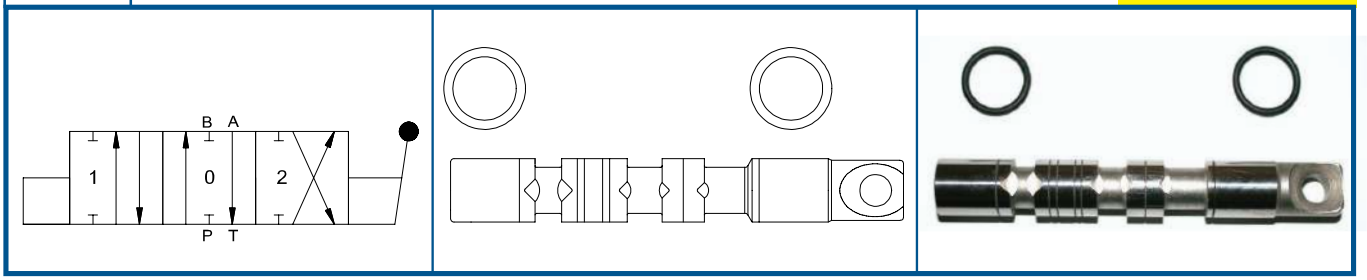
COD. 560100



4-WAY / 3-POSITION SPOOL. Same features as spool A. In position 0 B port is connected to the tank. Required for special applications.

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SPOOL F **COD. 560101**



4-WAY / 3-POSITION SPOOL. Same features as spool A. In position 0 A port is connected to the tank. Required for special applications.