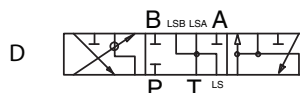


The spool is the most important link between the operator's activation of a lever unit and the movement of the controlled function. For this reason, Parker makes a wide range of standard spools to meet many different function-specific demands. Spools are selected with the aid of a computerised configuration program based on a series of different parameters.

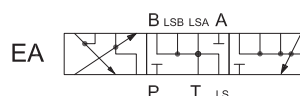
[P60] Spool function

There are many spool variants, customized for different flows, load conditions and actuator area ratios. The spools are also available with different degrees of force feedback [P64A, B]. The most commonly occurring spool functions are listed below.

D Double-acting spool for, e.g. double-acting cylinder.

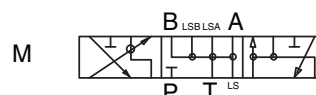


EA Single-acting spool for, e.g. single-acting cylinder. Raise and lower movement via workport A.

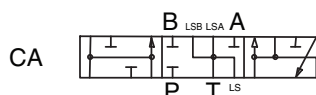


EB Single-acting spool for, e.g. single-acting cylinder. Raise and lower movement via workport B.

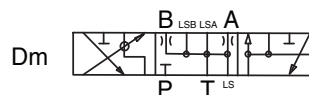
M Double-acting spool for, e.g. hydraulic motor. Float function in neutral position, connects workport A and B to tank.



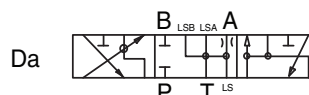
CA Regenerative spool for saving oil from the pump. The large side of the cylinder is connected to the A-port. Oil from workport B port is passed to workport A (and not to the tank) when activating P to A.



Dm Double-acting spool with drainage A to T and B to T, which prevents pressure build-up in workport in neutral position. The spool is used as a double-acting spool in combination with, e.g. an overcentre valve.

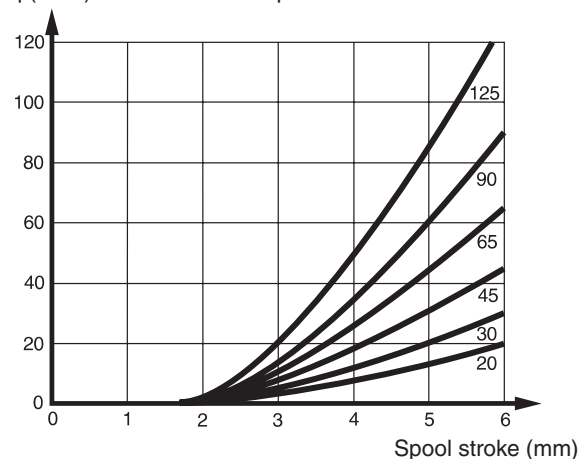


Da Double-acting spool with drainage A to T, which prevents pressure build-up in the A-port in the neutral position. The spool is used as a double-acting spool in combination with, e.g. an overcentre valve.



Db Double-acting spool with drainage B to T, which prevents pressure build-up in the B-port in the neutral position. The spool is used as a double spool in combination with, e.g. an over-centre valve.

q (l/min) Flow rate in workport



Typical curves showing flow to workport as function of spool stroke.