

ADVICES AND RECCOMENDATIONS

HOSES & FITTINGS

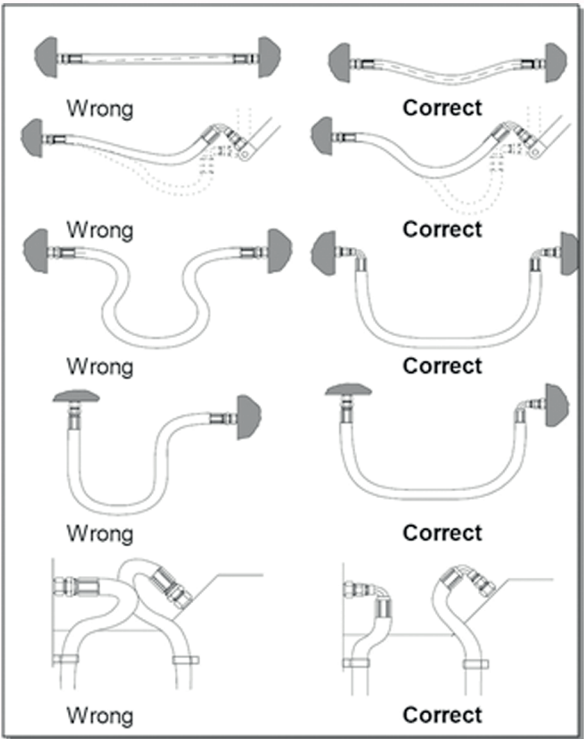
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Proper installation of the hoses affects the hydraulic kit performance as well as its esthetical aspect:

- excessive lenght affects the cost as well as the design of the kit
- too short hoses could not be flexible and withstand to the necessary expansion and contraction effect during operation, therefore reducing their lifetime and reliability.

The scheme and advices here below will help to execute a proper installation maximising both performances and efficiency.

1. Avoid torsion or twisting on hoses and tension on fittings
2. Never use too short hoses.
The right hose length is easier to mount.
3. Never use too long hoses.
They can be always hit by stones, etc.
4. Ensure that bends are not too close mounted to end of fittings.
5. By using adapters and knee couplings bends of the hoses can be increased.
6. The usage of right adapters and fittings increase the operational performance and long life of the unit.
7. Ensure hoses do not interfere with any part.
8. Protect hoses where they move against metal parts (if they cannot be repositioned).



Maintenance

Hydraulic hoses should be regularly checked and replaced if worn out or damaged
All parts should be free from dirt and burrs
Keep them clean

Suction Hoses

1. It is always necessary to use spiral suction hoses.
2. Make sure that the hose doesn't show sharp bends or corners
3. The mounting torque of the hose clamp must be 6 Nm
4. Do not make the suction hose too short so it can stand different movement between oil tank and pump
5. Do not make the hose too long so that it can be hit by stones
6. Take care the suction hose can not come in contact with hot or moving parts, like the exhaust or drive shaft
7. Do not replace the suction hose by a longer hose or one with a smaller diameter
8. Use nylon tape to seal the threads of elbows and hose pillar without O-ring
9. Do not use the nylon tape in combination with elbows or hose pillar with O-ring

High Pressure Hoses

For the high pressure hose use the right size depending on the pump, valve or cylinder size.
Use bonded seals to seal the threads of the couplings which are screwed in the valve, cylinder and pump.

Binotto supplies within the whole delivery all necessary adapters and bonded seal.
It is important to mount the adapters in the correct way.