Best Hose Routing Practices

WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

Static and Manual Application

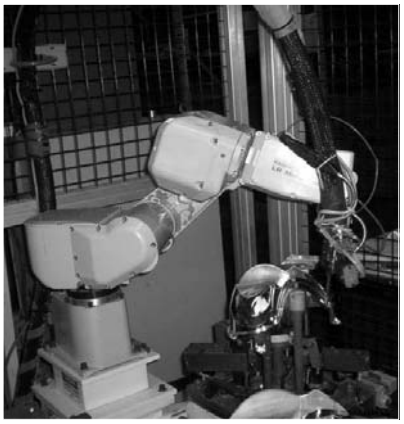
- Do not exceed the hose bend radius.
- Use fittings to maximize support and minimize hose bending.
- Suspend hoses and manual applicators away from the floor to prevent damage due to crushing, chaffing, and tripping.
- Ensure the hose length is appropriate to prevent the hose from being pulled, stretched, or twisted.

Dynamic (Multi-Axis) Application

See Figure 1.

- Use tool balancers and hose hangers to guide hoses from the unloader to the applicator.
- Do not exceed the hose bend radius.
- Avoid sudden changes in hose direction.
- Ensure the hose does not add excessive load to the applicators and fittings. The weight of the hose should be carried by the support system (boom, balancers, hangers, brackets, and so forth).
- Consult Nordson application engineering in conditions where there is a high degree of movement and all the best practices have been used.

HOSE ROUTED VERTICALLY TO APPLICATOR



FREE-STANDING WHIP HOSE

Figure 1 Dynamic (Multi-Axis) Application

Hose Bend Radii

Refer to Table 1 for high-pressure hose bend radii.

Table 1 Hose Bend Radii

Industry Standard Size	Hose Dash Number	Inside Diameter (in.)	Hose Bend Radius
¼	4	0.222	5.5
⅜	6	0.308	6.5
½	8	0.401	7.5
⅝	10	0.495	8.0
¾	12	0.617	9.375
1	16	0.867	10.0
1 ¼	20	1.118	17.0
1 ½	24	1.375	19.0

Hose Installation Instructions

See Figure 2.

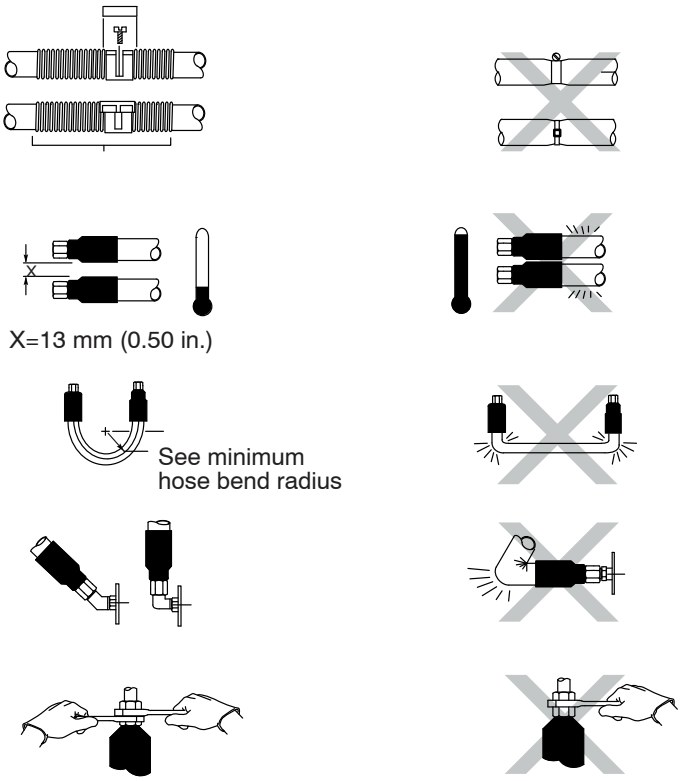


Figure 2 Hose Installation

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