

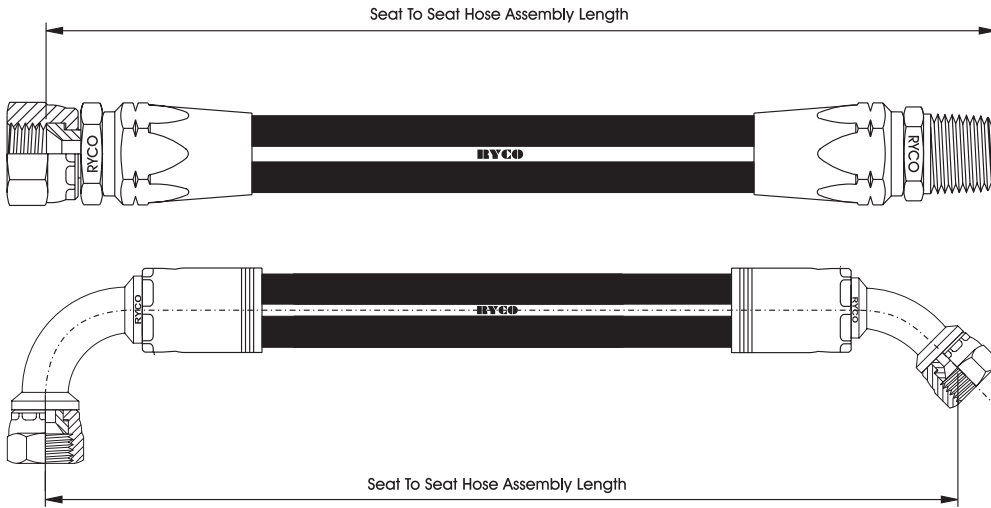
## HOSE ASSEMBLIES OF SPECIFIC LENGTHS

ALL RYCO HOSE ASSEMBLIES ARE MANUFACTURED SEAT TO SEAT LENGTH UNLESS OTHERWISE SPECIFIED BY CUSTOMER.

Length of a Hose Assembly can be measured in three ways:

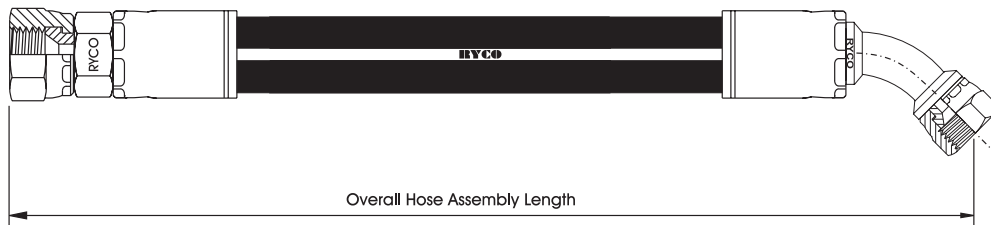
**1. Seat to Seat Length. (RYCO Standard, unless otherwise specified).**

Length is measured from tip of seat to tip of seat.



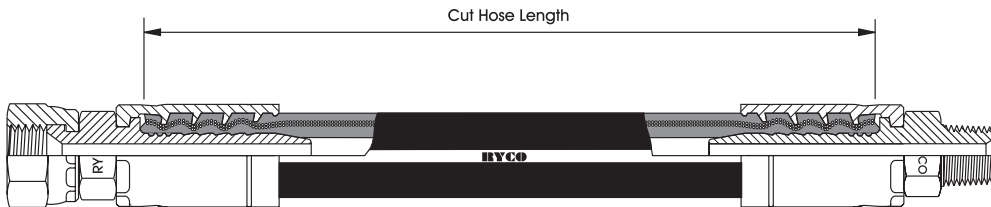
**2. Overall Length. (OA)**

Length is measured from tip of nut to tip of nut.

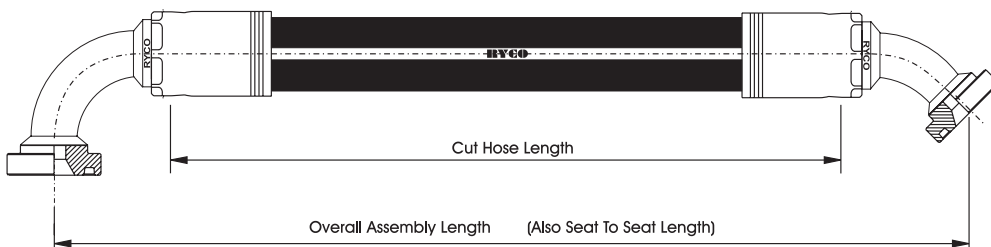


**3. Cut Hose Length. (CL)**

This is the length that the hose is cut to before couplings are attached. The length of the couplings is extra.



**NOTE:** For male fittings and flanged fittings, seat and overall length measurement points are the same.



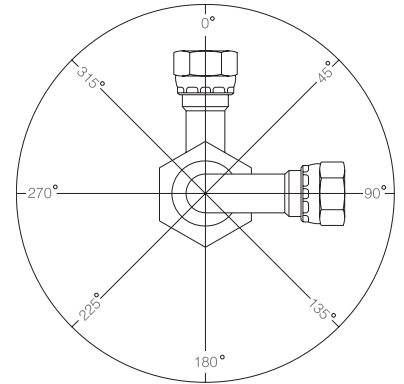
## ORIENTATION OF FITTINGS

Proper positioning of elbow end fittings on a hose is governed by the offset angle, or the amount of angular offset between connecting parts in the installation. If this angle of orientation is not correct in the construction of a hose assembly the performance and life of the assembly will be greatly reduced.

## HOW TO MEASURE

Orientation is determined by the number of degrees measured in a clockwise direction between the fitting furthest from the viewer and the fitting nearest to the viewer.

Orientation Tolerances:  
 $\pm 3^\circ$  on lengths up to 600mm (24").  
 $\pm 5^\circ$  on lengths over 600mm (24").



When ordering Hose Assemblies, it will be of assistance if the following specifying system is used; or a drawing or sketch can be supplied.

1. Hose Type
2. (Hose Protection or extra operations to hose - if applicable)
3. Hose Assembly Length in mm by method of measurement, followed by:
  - blank if "Seat to Seat Length"
  - OA if "Overall Length"
  - CL if "Cut Hose Length"
4. Fitting End 1.
5. Fitting End 2.
6. Angle of Orientation if both fittings are elbows and/or tube bends.

## SOME EXAMPLES

1. T18A \* 1830 \* T209-0808 \* T204-0814  
Hose will be made 1830mm Seat to Seat.
2. T18A \* 1830-OA \* T209-0808 \* T204-0814  
Hose will be made 1830mm tip of T209 male to tip of T204 nut.
3. T28D \* 1830 \* T205-0808 \* T273-0824 @ 135°  
Hose assembly will be manufactured so that when T205-0808 is furthest away the T273-0824 will be oriented 135° clockwise.
4. T28A \* 1640-CL \* L01-0812 \* L04-0817  
Hose will be cut to 1640mm and length of fittings will be extra.
5. H1212A \* (RSG-32L\*1000) \* 1000-OA \* T763-1236 \* T772-1236  
Hose will be covered with RSG for full length of hose assembly. Length will be overall from tip of T763 to centreline of bend of T772.
6. RQP212 \* (PIERCE \* 2200) \* 2200 \* T209-1212 \* T204-1217  
Hose cover will be pierced/pin pricked.
7. T18A \* 1830 \* T201-0808 \* T202-0808 + S27-0808  
The length of the S27-0808 is **extra, not included** in the 1830mm.