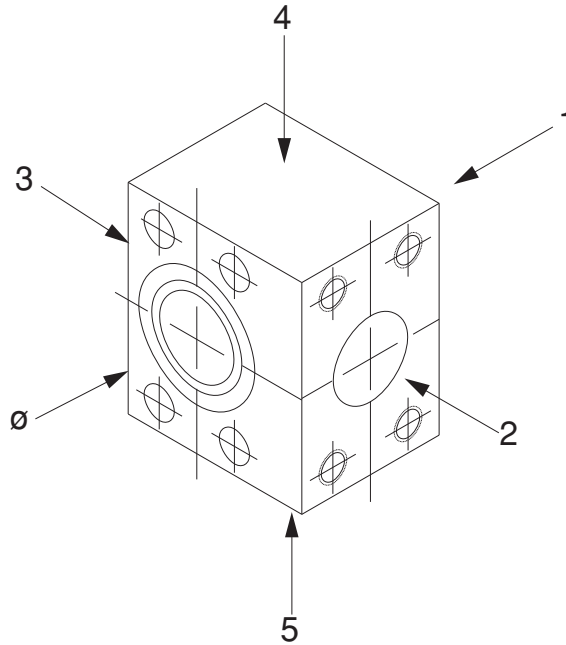


# Inserta Products, Inc.

## Viewing INSERTA® Modular Connectors 4-Bolt, Flange type

INSERTA® Modular Connectors 4-Bolt, Flange Type, are six-sided system building blocks that save space, time and money, eliminate piping leaks, and add value and integrity to the system. They are viewed from Face  $\emptyset$  with the 4-Bolt patterns in a specific relationship on Face  $\emptyset$  as illustrated below:




By definition Face  $\emptyset$  is the front face and has the largest or one of the largest size ports on it. This port normally has all the flow going to or from it. If one of the largest ports has a seal, this becomes Face  $\emptyset$ . The 4-Bolt pattern on Face  $\emptyset$  has the bolts' short center distance in the horizontal position and the bolts' long center distance in the vertical position.

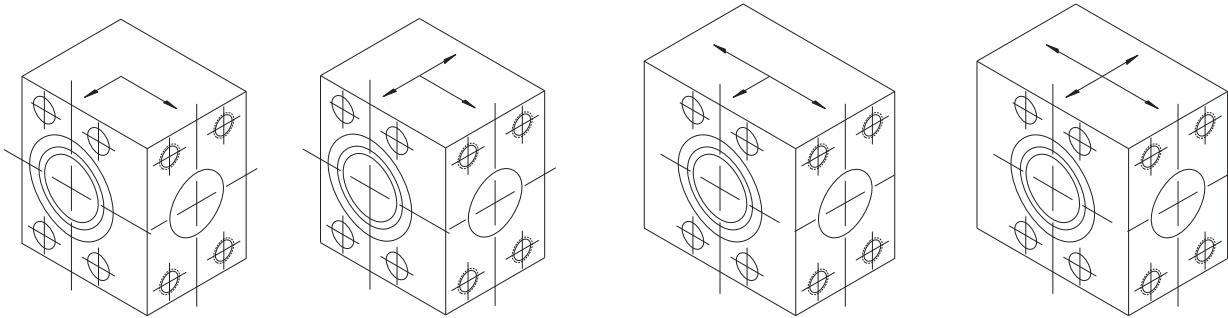
INSERTA® Modular Connectors 4-Bolt, Flange Type, is made in Elbow, Tee Run, Tee Branch and Cross configurations. The Modular Connectors are made in three design configurations A, B, and C. Design-A Modular Connectors have a seal groove with its O-ring on Face  $\emptyset$  and a flat pattern on Face 1 with through holes from Face  $\emptyset$  to Face 1 for through hole bolting. Any 4-Bolt Flange patterns on Face 2 or 3 will have flat Faces with 4 tapped holes for flange mounting. Likewise these 4-Bolt patterns will have the short centers in the horizontal position and the bolts' long center distance in the vertical position.

INSERTA® Modular Connectors 4-Bolt, Flange Type, Design-B are the same as the Design-A but with Face  $\emptyset$  having a flat face (without an O-Ring and its retaining groove).

INSERTA® Modular Connectors 4-Bolt, Flange Type, Design-C is similar to the Design-B in that it has all flat flange faces, but having all 4-Bolt holes tapped for flange mounting.

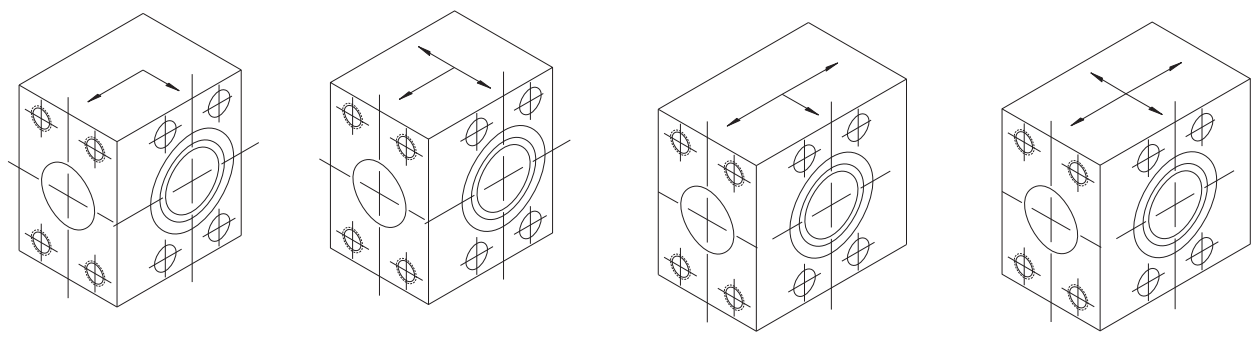
<b>Inserta Products, Inc.</b> Blue Bell, Pa. 19422	<b>MODULAR CONNECTORS</b> 4-BOLT FLANGE TYPE	 EL TR TB CX
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The following views illustrate the basic **INSERTA® Modular Connectors 4-Bolt**, Flange Type, Design-A with equal size flange connections on appropriate Faces  $\emptyset$ , 1, 2 and 3. They do not have any ports on Faces 4 or 5. A schematic has been drawn on Face 4 to illustrate the flow path between the faces and the O-Ring face seal on Face  $\emptyset$ .



ELBOW	TEE RUN	TEE BRANCH	CROSS
IEL-A-**** IEL-B-**** IEL-C-****	ITR-A-**** ITR-B-**** ITR-C-****	ITB-A-**** ITB-B-**** ITB-C-****	ICX-A-**** ICX-B-**** ICX-C-****

\*\*\*\* Denotes the Code and Size of the 4-Bolt Flange pattern on Face  $\emptyset$ , i.e. IEL-A-6124 denotes an **INSERTA®** Elbow Code 61 Size 24 4-Bolt Flange Pattern on Face  $\emptyset$ . On the Standard Modular Connectors the same size flange pattern is on all appropriate faces, i.e. on Faces 1, 2, and/or 3. Note that when there are no ports being specified on Faces 4 or 5 the Standard Modular Connector can be used to reverse port locations 2 and 3 as illustrated in the corresponding schematics.



ELBOW	TEE RUN	TEE BRANCH	CROSS
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By viewing **INSERTA® Modular Connectors 4-Bolt** in the manner as described above one can now locate and call out the proper position and part number for gauge and test ports on Faces 4 and/or 5 as specified in the catalog under ordering information for standard outlets.

<b>Inserta Products, Inc.</b> Blue Bell, Pa. 19422	<b>MODULAR CONNECTORS</b> <b>4-BOLT</b> <b>FLANGE TYPE</b>	
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