SHEAR CENTRE

SHEAR CENTRE: It's point at which external loads are applied so that no twisting occurs in the member:

Torque, T = 0 But B.M., V Can be developed

CASE-I: If cross section symmetric about X & Y Axis, centroid & shear centre coincides.

CASE-II: If cross section is not symmetric about X & Y Axis, centroid & shear centre doesn't coincide. E.g. C-channel.

SHEAR FLOW: It's shear force per unit length.

For thin walled member shear flow is like water flow.	Shear flow = $\tau b = VQ/I$

