

PT DUCT POSITION TOLERANCES

Below are the recommended values for duct positioning tolerances:

TOLERANCES	VERTICAL mm	LATERAL mm
Horizontal tendons in slabs or in slab regions of larger members	±6mm	±12mm
Longitudinal draped superstructure tendons in webs over supports or in middle third of span	±6mm	±6mm
Tendons in middle half of web depth	±12mm	±6mm
Longitudinal, generally horizontal superstructure tendons usually in top or bottom of member	±6mm	±6mm
Horizontal tendons in substructures and foundations	±12mm	±12mm

TOLERANCES	LONGITUDINAL mm	TRANSVERSE mm
Vertical tendons in webs	±6mm	±6mm
Vertical tendons in pier shafts	±6mm	±6mm

TOLERANCES	VERTICAL mm
Tendons in building slabs	±6mm when slab thickness < 200mm ±9mm when 200mm < slab thickness < 600mm ±12mm when slab thickness > 600mm
	Horizontal profile < 1:6

ADDITIONALLY	TOLERANCES
In all other cases	±6mm in all directions
Anchorages axis	±3 degrees with smooth transition
Anchorages	±6mm laterally ±25mm along the tendon considering that min cover requirements must be maintained
Couplers/Joints	±3 degrees with smooth transition
Anchorage reinforcement (spiral, W and additional stirrups)	Must be centred around the duct and to start within 12mm of the back of the main anchor plate
	If conflicts exist between the reinforcement and PT duct, the position of duct always supersedes the reinforcement (adjustment of reinforcement upon Engineer's approval)

Note: as per AASHTO LRFD & PTI