



TYL[®] - Dowel Bar

Concrete Doweling System

202402

DESCRIPTION

TYL[®]-Dowel Bar is plain round bar and the ability of a joint or crack in concrete pavement to transfer load from one slab to the next through shear action. Good load transfer improves concrete pavement performance by reducing tensile stresses in concrete, reducing corner deflection, and reducing differential deflection.

TYL[®]-Dowel Bar is a rehabilitation technique for increasing the load transfer capability of existing joined Portland cement concrete pavement. This is accomplished by placing dowel bars across joint or cracks that exhibit poor load transfer. Our concrete doweling system consists of the following products:

- A mild steel or hot dip galvanized or stainless steel dowel bar
- A PVC dowel sleeve
- A Compressible Filler
- A cradle bent



ADVANTAGES

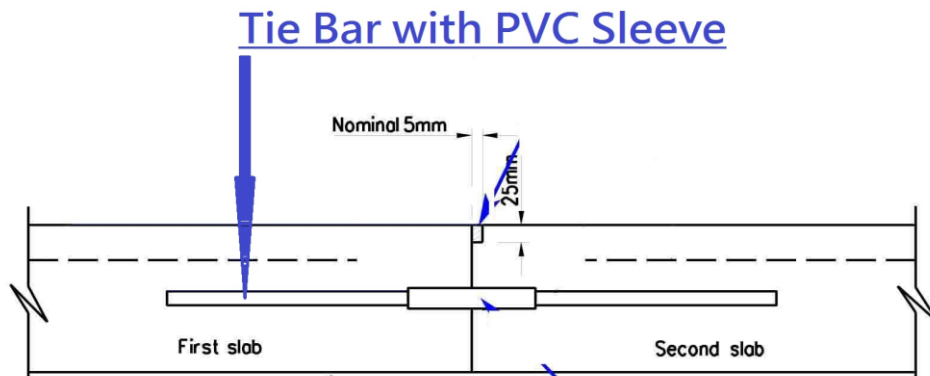
- Performance of the load transfer device
- Unique placement workability
- Exhibits little or no shrinkage
- Dowel bars and tie bars are straight
- Both ends are plain and sawn cut with all burrs removed
- Galvanization is applied after cutting

SPECIFICATION COMPLIANCE

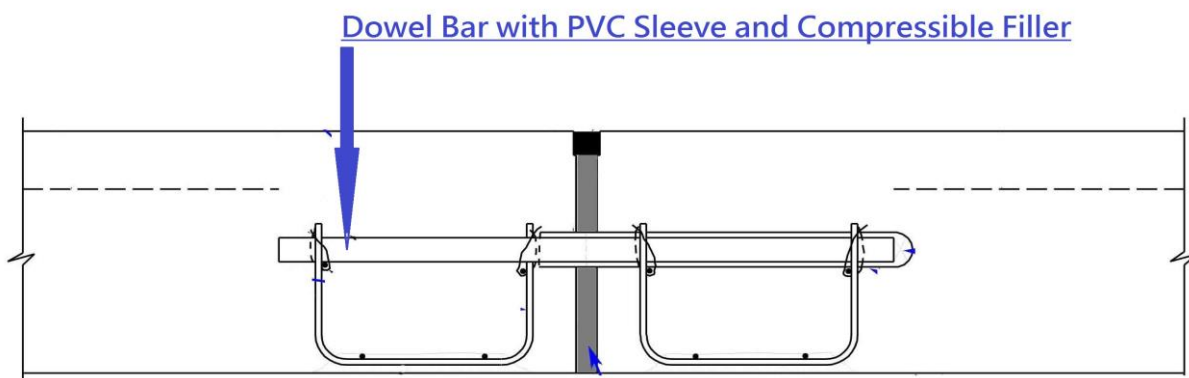
- BS 4482
- BSEN ISO 1461:2009
- BSEN ISO 6892
- CS2:2012
- Grade 275



TIE BAR DRAWING



DOWEL BAR DRAWING



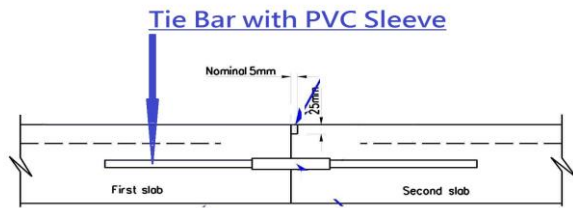
SIZE

Bar Dia. (mm)	Length (mm)	Sleeve Dia (mm)	PVC Sleeve Length (mm)
6	300-6000		
12	1000-6000	R12	150/300
16	600-6000	R16	400
20	600-6000	R20	400
25	600-6000	R25	400 / 450
32	600-6000	R32	450
40	500-6000	R40	550

PVC SLEEVE

PVC sleeve is made by Polyvinyl Chloride (PVC)

LONGITUDINAL JOINT

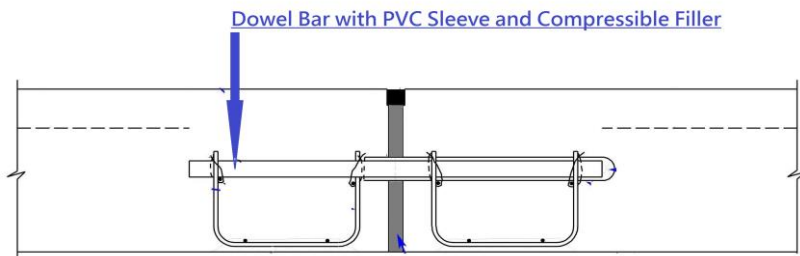


LONGITUDINAL JOINT



<u>Dia</u>	<u>Length</u>	<u>Thickness</u>
12mm	150mm	0.9mm

EXPANSION JOINT / MOVEMENT JOINT

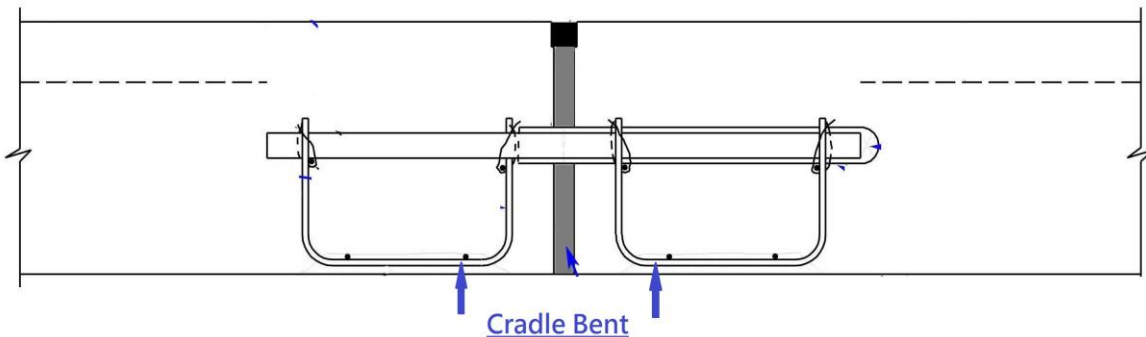


<u>Dia</u>	<u>Length</u>	<u>Thickness</u>
20mm	150mm	0.9mm
20mm	300mm	0.9mm
20mm	400mm	0.9mm
25mm	400mm	0.9mm
25mm	450mm	0.9mm
25mm	500mm	0.9mm
32mm	400mm	0.9mm

CRADLE BENT

6mm cradle bent wires are manufactured by 8mm cold reducing of hot rolled steel wire rod

DRAWING



SIZE

Dia (mm)	Length (mm)	Width (mm)	High (mm)
6	2000	125	135

*Special sizes are an available upon request

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