

TekSpan[®]

Industrial
Modular Steel
Frame System

TekSpan enables contractors and installers to build a frame on site that provides similar strength qualities to welded steel frames, but can be easily transported to site and erected quickly in situ. Based on a hot dipped galvanised box frame and using a unique T-bolt fastening system, TekSpan has been installed on many projects throughout Europe and is now available to the UK market.

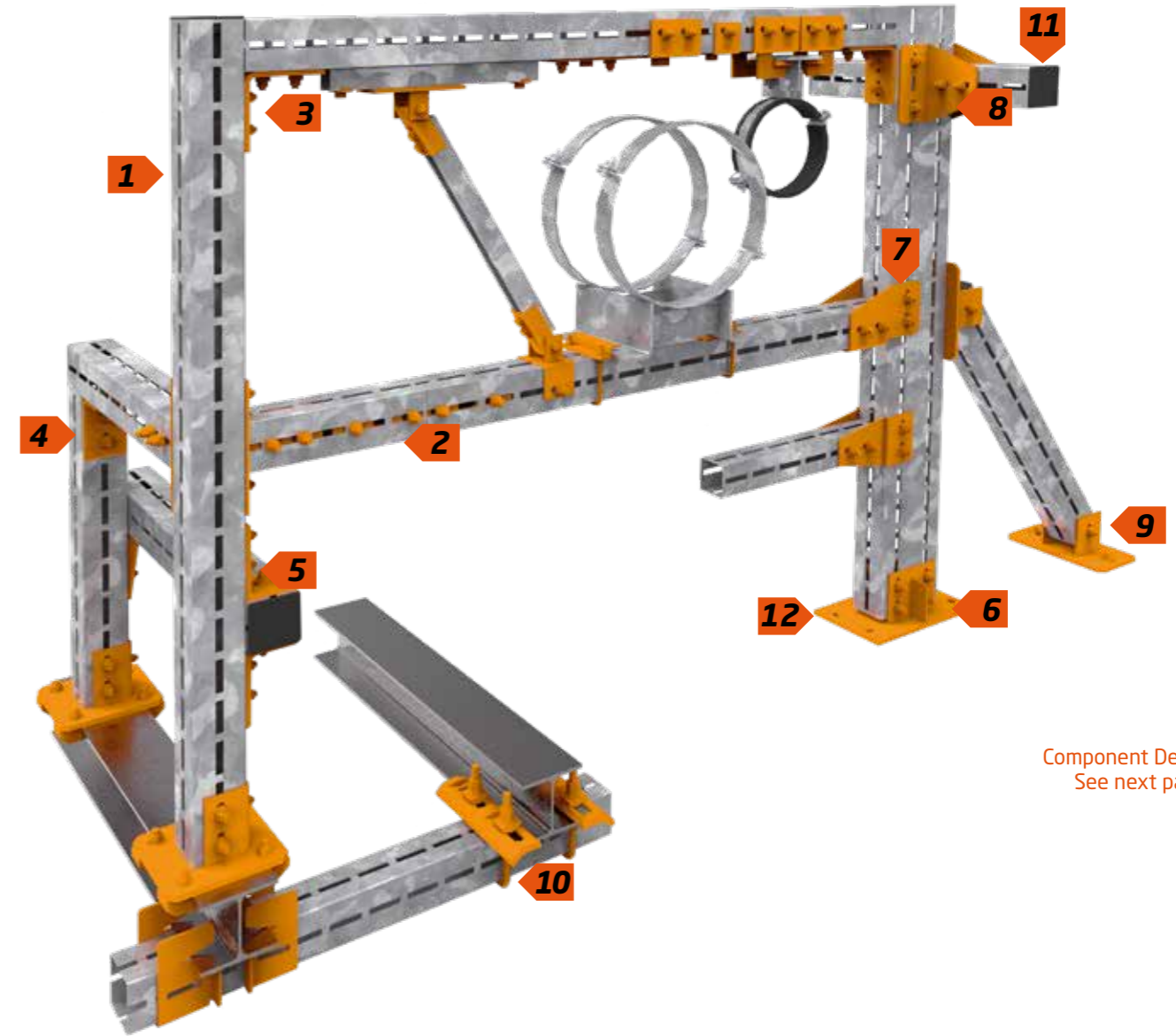
TekSpan gives you the loading properties of welded steel frames without the associated site-welding issues, and is ideal for installing in challenging environments, such as basement boiler rooms and risers where a crane-lift would present a logistics issue.

Proven throughout the world even in demanding NZ seismic conditions, TekSpan's versatility makes it the modular system of choice. Talk to us to discover ways in which TekSpan can make installs easier, quicker and more cost-effective.



At the heart of the TekSpan system is the patented T-lock bolt. This unique M12 bolt is made from 10.9 high grade steel giving up to 10kN shear strength, and can be simply installed using a torque wrench

One of the unique features of the TekSpan system is the stepless slot design, which the T-lock bolt facilitates. In practice this means that leveling up frames and structures is done simply and quickly, in contrast to screw systems that require precise alignment of holes.



Component Detail
See next page

- Avoid bulky and awkward logistics on frame installs
- Build support frames faster and more efficiently
- Erect a complete frame using just a torque wrench
- Avoid hot-works permit requirements on site
- Fast and easy to level up
- Superior strength properties to channel and other frame brands
- Full design capability
- Available in 80mm or 100mm variants
- Patented T-bolt fastening system

Component Details

TekSpan® Pre-slotted lengths **1**

Pre-slotted lengths of TekSpan frame system	Dimensions	Code
TekSpan® HDG 80mm beam	80mmx80mm x 6m	R950-806
TekSpan® HDG 100mm beam	100mmx100mm x 6m	R950-807

Two-piece jointing set for all TekSpan® frame sizes **2**

Connection Set	Dimensions	Code
TekSpan® connector set	59mm x 67mm x 380mm	R954-150

TekSpan® 90° Angle Bracket - 2 Hole **3**

Two hole 90deg angle bracket, for mounting frames at right angles	Dimensions	Part-No.
TekSpan® 2 hole angle bracket for 80mm and 100mm frames	70mm x 100mm x 100mm	R954-112

TekSpan® 90° Angle Bracket - 3 Hole **4**

Three hole 90deg angle bracket, for mounting frames at right angle with extra load bearing	Dimensions	Part-No.
TekSpan® 3 hole angle bracket for 80mm frame	70mm x 100mm x 150mm	R954-114
TekSpan® 3 hole angle bracket for 100mm frame	90mm x 100mm x 150mm	R954-115

TekSpan® 90° Angle Bracket - 3 Hole Cross Mount **5**

Three hole 90deg cross-mount bracket, allowing for longitudinal adjustment when installing	Dimensions	Part-No.
TekSpan® 3 hole angle cross-bracket for 80mm frame	70mm x 150mm x 75mm	R954-116
TekSpan® 3 hole angle cross-bracket for 100mm frame	90mm x 150mm x 100mm	R954-117

TekSpan® Bolt-down Base Plate Foot **6**

Bolt-down base plate foot, for floor or wall mounting	Dimensions	Part-No.
TekSpan® base plate for 80mm frame	200mm x 200mm x 140mm	R954-125
TekSpan® base plate for 100mm frame	220mm x 220mm x 140mm	R954-135

TekSpan® Saddle Brackets **7**

Saddle bracket, for extra strength in joining frames at 90 degrees	Dimensions	Part-No.
Saddle bracket, for extra strength in supporting weight-loaded cross-member beams	230mm x 140mm x 100mm	R954-110

TekSpan® Pair of T-Plate Brackets **8**

Pair of T-plate brackets, for face-fixing of a 90deg vertical joint	Dimensions	Part-No.
TekSpan® T-plate for 80mm frame	70mm x 205mm x 130mm	R954-120
TekSpan® T-plate for 100mm frame	90mm x 240mm x 200mm	R954-121

TekSpan® Holder Plate for Mounting Frames **9**

Holder plate for mounting frames, with the facility to support angled connections	Dimensions	Part-No.
TekSpan® holder plate for 100mm frame	160mm x 320mm x 110mm	R953-116

TekSpan® Beam Connector Clamp **10**

Beam connector clamp, for securing frames to I-beams and girders	Dimensions	Part-No.
TekSpan® beam clamp for 80mm frames	160mm x 160mm x 100mm	R952-070
TekSpan® beam clamp for 100mm frames	180mm x 200mm x 100mm	R952-075

TekSpan® End Caps **11**

End caps for finishing / capping off frame terminations	Dimensions	Part-No.
TekSpan® black end cap for 80mm frame	80mm x 80mm	R952-040
TekSpan® beam clamp for 100mm frames	100mm x 100mm	R952-050

TekSpan® Stepdown M16-M12 Ring Inset **12**

Stepdown M16 - M12 ring insert for baseplate feet, to enable M12 fixings to be used	Dimensions	Part-No.
TekSpan® anchor adaptor ring	34.5mm x 17.5mm	R954-155

TekSpan® Integral Base Plate Foot and Frame Section

Integral baseplate foot and frame section, for lower height installs and wall-mounting	Dimensions	Part-No.
TekSpan® integral foot and 80mm frame	720mm x 80mm (200mm x 200mm baseplate)	R954-105
TekSpan® integral foot and 80mm frame	1440mm x 80mm (200mm x 200mm baseplate)	R954-106
TekSpan® integral foot and 100mm frame	720mm x 100mm (200mm x 200mm baseplate)	R954-107

TekSpan® Pair of Corner Plate Brackets

Pair of corner plate brackets, for face-fixing of a 90deg horizontal joint	Dimensions	Part-No.
TekSpan® corner plate for 80mm frame	70mm x 205mm x 130mm	R954-118
TekSpan® corner plate for 100mm frame	1440mm x 80mm (200mm x 200mm baseplate)	R954-119

TekSpan® FixBOB

Useful reusable tool for aiding slot alignment during installation	Dimensions	Part-No.
TekSpan FixBOB	M12 x 44mm	R951-500

TekSpan® 10.9g T-Bolt

10.9g T-bolt with locking washer - locks securely through frame slots with locating collar and "bites" into bracket fixture, providing exceptional joint strength	Dimensions	Part-No.
TekSpan® T-Lock Bolt	M12 x 40mm	R951-510

TekSpan® Frame to Threaded Rod Connector

Frame to threaded rod connector, for direct fixing of rods and suspension of threaded fasteners	Dimensions	Part-No.
TekSpan® thread connector M10	M10	R952-060
TekSpan® thread connector M12	M12	R952-065

Industrial Modular Steel Frame System for

Data Centres

Plant Rooms

Waste Transfer Stations

AD Plants

Risers

Modules

Heavy Duty Support Frames

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