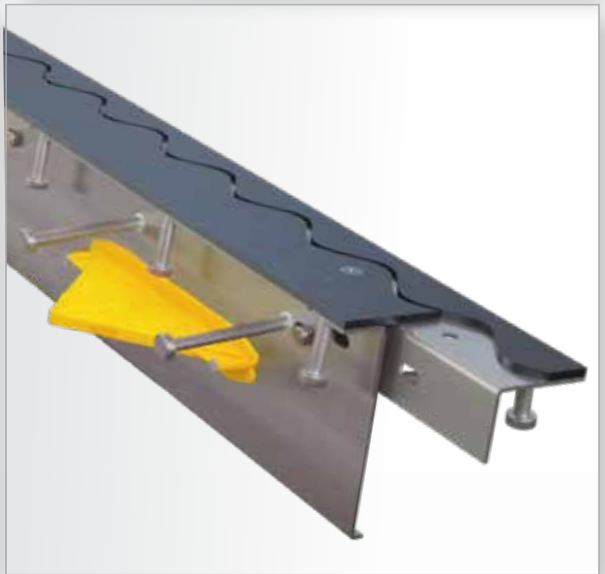


BoMetals, inc.®

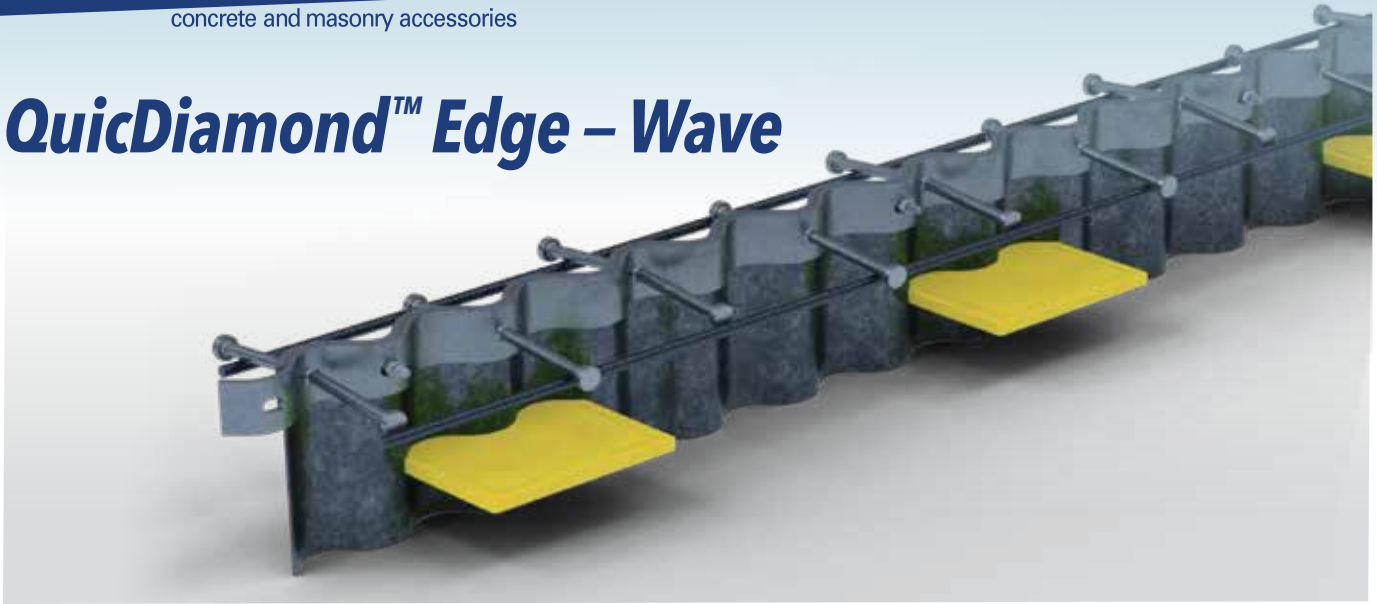
concrete and masonry accessories



QuicDiamond™ Edge

Multiple solutions for spall-free joints

QuicDiamond™ Edge – Wave



The **QuicDiamond Edge - Wave** is the most versatile, impact-free plate joint that is easy to install. The alternating wave design has no straight edges, allowing smooth travel in any direction. Installers choose the correct joint height by easily adjusting the three inch extension plate.

Engineered for Results

A risk of impact damage can occur when vehicles cross a straight joint at 90°. Wheels drop momentarily into the gap between the two straight sides, and repeated impact damage to the surrounding concrete, leading to maintenance costs and down-time. Our wave design has no straight lines, avoiding repeated impact. The three-part cover plate is made up of left and right cover plates which are staked to the ground forming a permanent edge and support. The center portion of the movable cover plate and connecting angle steel on one side are attached with countersunk bolts. Nelson Studs are spaced at a distance of 9" anchoring the plates on each side of the joint. Once the system is installed, each portion of the floor can freely expand and contract along the vertical and horizontal directions to avoid cracks.

Product Advantages

- Provide permanent edge protection.
- Wave seams can handle larger seam widths.

- A reduction of the force of impact of wheels on the seam offers a robust quiet floor joint system.
- Load transfer + formwork + edge protection improves construction accuracy, saves time and reduces construction as a "leave in place" solution.
- The appearance of the building is beautiful, reducing maintenance costs in the later period.

Features

- Opening up to 1 ¼"
- Slab thicknesses 8-10"
- Dowel thicknesses 3/8"
- Compatible with QDE - Steel slab thickness/ loads
- All components are 100% recyclable
- Suitable for a range of duties from very heavy to medium such as small, hard wheels (i.e. motorized pallet trucks or pneumatic tires)

Typical Applications

General warehouses, distribution centers, production facilities, retail developments, and heavy to light industry

Used in Specific Areas

Areas designed for free movement, Aisles used for transfer across joints at are 90°, dock levelers, protection at doorways, and floors that are joint free

Part No.	Description	UOM	Slab Depth	Length/Pc
QDE-WAVE 6"	QuicDiaEdg Wave 6" slab FT	Feet	6" (145mm)	6.6 ft (2 Meter)
QDE-WAVE 7"	QuicDiaEdg Wave 7" slab FT	Feet	7" (165mm)	6.6 ft (2 Meter)
QDE-WAVE 8"	QuicDiaEdg Wave 8-10" slab FT	Feet	Adj. 8" to 10"	6.6 ft (2 Meter)
QDE-WAVE-TOP (wood)	QuicDiaEdge Wave Top Strip FT	Feet	Min 4"	6.6 ft (2 Meter)



QuicDiamond™ Edge — Steel

Engineered for Results

The QuicDiamond™ Edge is a high-quality, precision floor armored edge expansion joint system. It is the best joint technology solution for high-quality, ultra-flat concrete floors. As the concrete sets and contracts, the two sides of the joint are gradually pulled apart horizontally. Dowels fixed through the center stop the slabs moving vertically and allow for load transfer between the two sections of the floor. Once the floor has contracted, the gap between the two sides can simply be filled with a suitable joint sealant.

Features

- Permanent formwork
- Provides load transfer + formwork + edge protection
- Opening up to 3/4"
- Slab thicknesses 6-8"
- QuicDiamond Dowel thicknesses 3/8"
- Suitable for a range of duties from very heavy to medium such as small, hard wheels (i.e. motorized pallet trucks or pneumatic tires)
- Heavy Duty for extreme joint protection
- Transfer vertical forces from one side to the other
- Designed to meet heavy duty loads
- Suitable for the precise super flat construction
- All materials are 100% recyclable

Benefits

- Pre-set positions permit installers to adjust the joint height
- Industry standard for high flatness industrial floors
- Provides load transfer + formwork + edge protection improves construction accuracy, saves time and reduces construction as a "leave in place" solution
- Shows correct level of concrete
- Serves as day joint during concrete pour
- Movements concentrated to joints
- Contraction is controlled preventing random cracks in slabs
- Permits movements in two directions
- Adds heavy duty edge protection
- Efficient load transfer between slabs, providing stability and durability
- Because of a three-inch height adjustment excess material can be used on other job sites

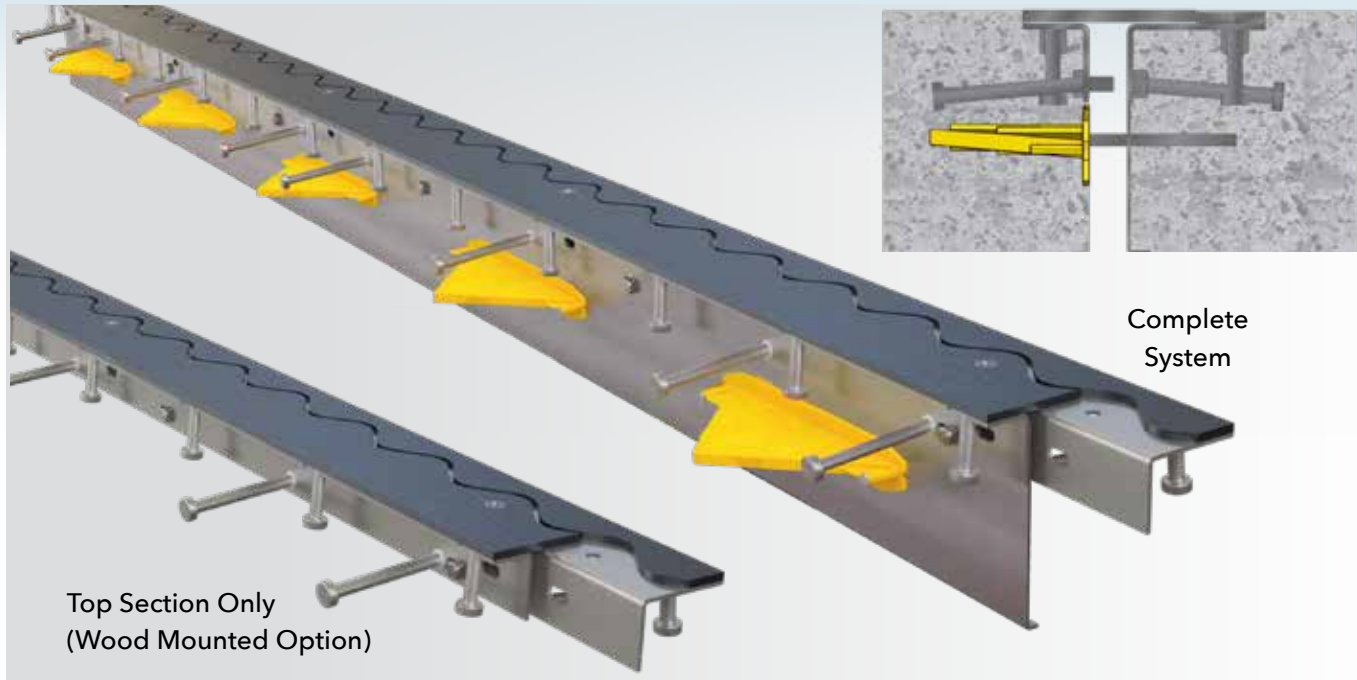
Typical Applications

General warehouses, cold storage, distribution centers, production facilities, and heavy to light industry

Used in Specific Areas

Areas designed for free movement, aisles used for transfer, protection at doorways, and floors that are joint free

Part No.	Description	UOM	Slab Depth	Length/Pc
QDE-STEEL	QuicDiaEdg Steel 6-8 slab FT	Feet	Adj. 6" to 8"	9.8 ft (3 Meter)



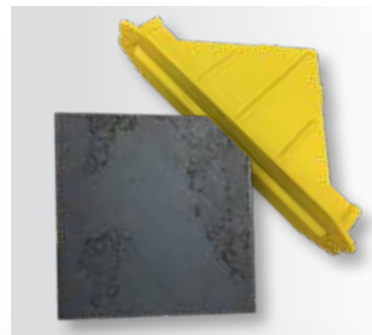
QuicWave™ – Slide

Impact free sliding plate joint system

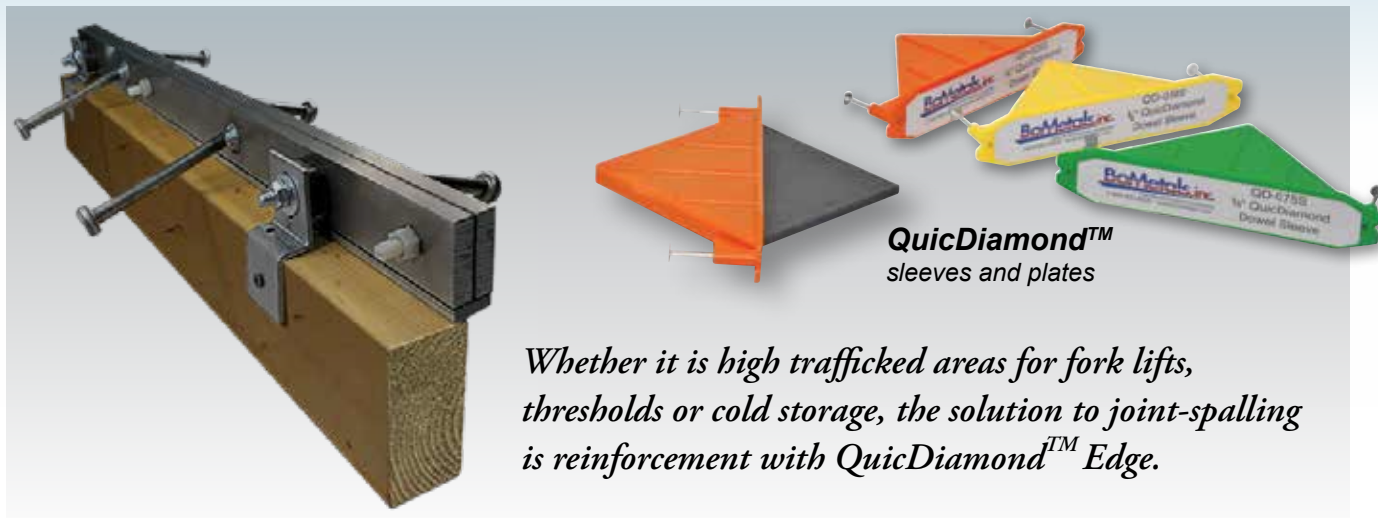
SYSTEM BENEFITS

- Prefabricated Steel Armoured Free Movement Joint System
- The Wave opening allows wheels to roll smoothly over the joint
- Robust heavy duty design incorporating welded studs directly attached to both the body and the top plates for superior performance and longevity
- Countersunk nylon top plate securing screws ensures alignment and allows trowel machine to pass over the edge
- Available in Plain Steel Finish or Zinc Galvanised
- Utilizes BoMetals Quic Diamond Load Transfer System
- Can be used for joint openings up to 20mm/.79inch wide
- Adjustable design, one part can be used for slab thickness/ depth from 150mm/6 inch up to 200mm/8inch
- Available as Top Section Only for use on timber forms.
- Available in 2.4 meter/7.8' lengths

Dowel Type	QuicDiamond 8mm/.375"
Thickness	8mm
Dimensions w x l	115mm x 115mm
Sleeve Color	Yellow
Adjustable Joint Opening	0 – 20mm



Part No.	Description	UOM	Slab Depth	Length/Pc
QDE-WAVSLIDE	QuicDiaEdg Wave 6-8 slab FT	Feet	Adj. 6" to 8"	7.9 ft (2.4 Meter)
QDE-WAVESLIDE- TOP	QuicDiaEdge WaveSlide Top Strip FT	Feet	Min 4"	7.9 ft (2.4 Meter)



QuicDiamond™
sleeves and plates

Whether it is high trafficked areas for fork lifts, thresholds or cold storage, the solution to joint-spalling is reinforcement with QuicDiamond™ Edge.

QuicDiamond™ Edge – Wood

Use QuicDiamond™ Edge for new construction joints...

It provides the confidence that transitions are precise, smooth, and even. Allied with our QuicDiamond™ load transfer system, contractors can know when the job is done, it is precise and will remain this way.

Nothing else stands up better to the abuse of highly trafficked, fast paced areas, where fork lifts constantly travel over construction joints. The design of QuicDiamond™ Edge allows for the needed movement associated with expansion and contraction. Each side of the joint is protected by a 1.5" x 3/8" steel plate protecting the otherwise exposed concrete edge and is designed to accept joint filler for increased function.

The smooth solid transition not only protects the floor but it also protects the wheels that travel over it and thereby can reduce maintenance on the equipment used within the space. The easy to install QuicDiamond™ Edge is affixed to the top of wood form boards. Two parallel

BENEFITS OF USE

- Avoid inconvenient and costly repairs
- The investment of QuicDiamond™ Edge during construction extends the life cycle and saves money over time
- Allows for expansion and contraction protecting both edges of the joint transition.

rolled steel plates are attached to each other with nylon bolts that will remain in place during installation. Anchor studs occur every 9" OC on each side of the joint. Once installed and contraction occurs the nylon bolts no longer serve a purpose and are designed to break away during the contraction process. This allows the necessary travel required for each metal plate to stay with slab to which it is anchored.

Part No.	Description	UOM	Slab Depth	Length/Pc
QDE-WOOD	QuicDiaEdg Wood Mtg (FT)	Each	Adj. 6" to 8"	9.8 ft (3 Meter)
QDE-WOOD-HTG	QuicDiaEdge Wood Mtg Galv	Feet	Min 4"	9.8 ft (3 Meter)



QUICKDIAMOND™ EDGE – JACK

- BoMetals Leveling Jacks for insuring your installation goes smoothly
- Jacks are needed to install QDE correctly
- Usually 4 are required for proper install
- Jacks have minute leveling capability, using the knobs to raise or lower the QDE

Connections are available to make your install an easy one.



QUICKDIAMOND™ EDGE – STEEL T



QUICKDIAMOND™ EDGE – STEEL X



QUICKDIAMOND™ EDGE – WAVE T



QUICKDIAMOND™ EDGE – WAVE X

Part No.	Description	UOM	Slab Depth	Length/Pc
QDE-JACK	QuicDiaEdg Installation Jack	Each	N/A	NA
QDE-STEEL-T	QuicDiaEdg Steel TEE	Feet	Adj. 6" to 8"	3.3 ft (1 Meter) x 1.6 ft (1/2 Meter)
QDE-STEEL-X	QuicDiaEdg Steel CROSS	Each	Adj. 6" to 8"	3.3 ft (1 Meter) x 3.3 ft (1 Meter)
QDE-WAVE- T	QuicDiaEdg Wave TEE	Each	Adj. 6" to 8"	1.6 ft (1/2 Meter) X 0.8 ft (1/4 Meter)
QDE-WAVE-X	QuicDiaEdg Wave Cross	Each	Adj. 6" to 8"	1.6 ft (1/2 Meter) X 1.6 ft (1/2 Meter)