

NO MATTER WHAT  
**THE FUTURE** HOLDS



**DATWYLER**

# Tunnelling Newsletter

## III. Quarter



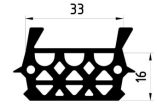


## RECEIVED PROJECTS

### Nice Light Rail Tunnel

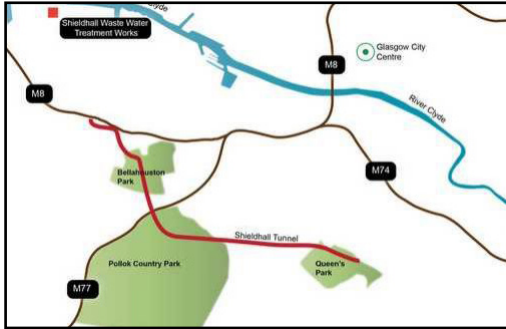


Builder: Groupement THAUMASIA - Bouyges Travaux Publics  
 Type of gaskets: anchored gasket  
 Delivery time: October 2015 - June 2016

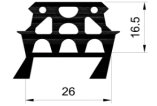


Sets	1.830 sets	Segment thickness	400 mm
Tunnel length	2.885 m	Segment width	1.600 mm
Outer diameter	9.300 mm	Number of segments	7+1
Inner diameter	8.500 mm	Groove length	83,32 m

### Shieldhall Tunnel Glasgow



Builder: Buchan concrete solutions  
 Type of gaskets: anchored gasket  
 Delivery time: September 2015 - October 2016



Sets	3.200 sets	Segment thickness	250 mm
Tunnel length	5.000 m	Segment width	1.500 mm
Outer diameter	5.200 mm	Number of segments	5+1
Inner diameter	4.700 mm	Groove length	50,20 m

## FINISHED PROJECTS

### North West Rail Link Sydney

- 16.500 sets of anchored gaskets were delivered
- 56 containers were shipped
- delivery time 18 months
- Opening at the end of 2019



### Istanbul Strait Crossing Tunnel

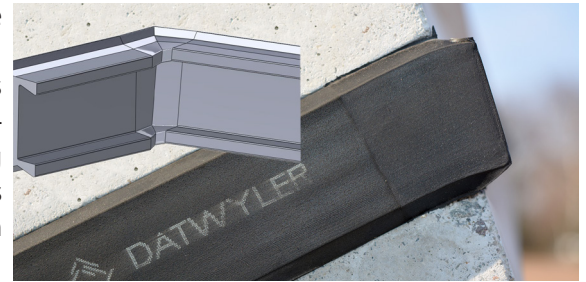
- 1.700 sets of glued on gaskets were delivered
- 18 full trucks were shipped
- delivery time 20 months
- Opening at the end of 2016



## NEW TECHNICAL TOPICS - TWISTED ANGLE

Depending on the ring design twisted angle can occur. This can be the case both small as well as large diameters.

An adjustment of the angle has to be made in order to avoid leaks in this area. The special challenge is the adapting of large twisted angles at anchored gaskets, because they have a complex geometry due to the anchoring feet. In addition to projects like Glasgow Shieldhall (10°) and Metro Rennes (8°) is Paris Line 14 Lot 2 the first project with an anchored gaskets, which was reacted with a perfectly adapted twisted angle of 13°.



## EXHIBITION

### Participated:

02.-03.09.2015 SICAT 2015 in Singapore  
 11.-12.09.2015 UDCC 2015 in Hong Kong

### Coming:



## REFERENCES

Month / Year	Project	Outside Tunnel-diameter	Month / Year	Project	Outside Tunnel-diameter
09/2015	Shieldhall Tunnel Glasgow / GB	5.200 mm	03/2015	Metro Ahwaz / IR	6.500 mm
08/2015	Dugway Storage Tunnel / US	7.925 mm	03/2015	Metro Riyadh / SA	9.920 mm
07/2015	Nice Light Rail Tunnel / FR	9.300 mm	02/2015	Metro Firenze / IT	9.100 mm
06/2015	Bosser Tunnel Lot 2 / DE	10.940 mm	01/2015	Rasskazovka / RU	6.000 mm
05/2015	LACMTA Regional Connector / US	6.274 mm	12/2014	Metro Jaipur / IN	6.350 mm