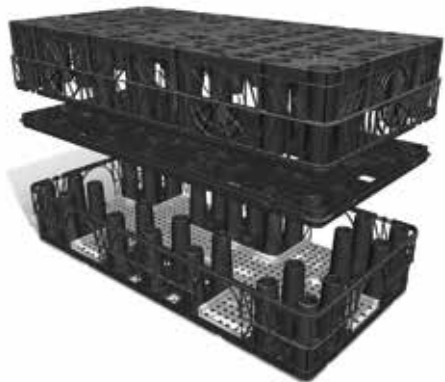


Rainbox 3SR

Product information sheet

The RAINBOX® 3SR crate, manufactured by JDP's Tessengerlo Group partner DYKA, consists of two half-boxes and a centre plate; assemble these prior to their installation within the crate structure.



*Crates with grey inspection channel plates available on request.

Dimensions	1200 x 600 x 420mm
Gross Volume	302 L
Storage Volume	287 L
Void Ratio	95%
Materials	Recycled Polypropylene
Recyclable	100%
Approx Weight	13.5kg
Inspectable	Yes
Crates are linked by clips	



Connection Options

The RAINBOX® 3SR comes with pre-formed cut-outs for connecting pipework up to 160mm OD. For larger sizes, up to 400mm OD, specially made adaptor plates can be used.

Design & Installation Guidance

Vertical loading to the crate structure is determined by the cumulative loads associated with the backfill and any loads linked to operations (vehicular loads (live loads) or permanent structures (dead loads)). Horizontally, loading is determined by the pressure exerted by the earth.

The resulting information determines the minimum and maximum covering height and the maximum excavation depth. Table 1 shows the parameters for different applications.



Table 1

	Load (GVW)			
	Pedestrians	Small Vehicles ≤ 3T	Vehicles ≤ 12T	Vehicles ≤ 30T
Coverage in m (based on backfill ϕ 30° and density 20kN/m ³)				
Min.	0.30	0.50	0.9	1.2
Max.	2.50	2.5	2.4	2.2
Max Excavation Depth in m				
with backfill 20°	3.5	3.3	3.0	3.0
with backfill 25°	4.00	4.00	3.8	3.8
with backfill 30°	4.00	4.00	4.00	4.00

The installer of the RAINBOX® 3SR system should ensure that a structural design check in line with CIRIA C680 has been carried out prior to work commencing.

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