



 **SCAFFCO**  
*Formwork & Scaffolding*

# Special Formwork

## Custom Made Formwork

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## The Perfect Formwork Solutions





RS Group designs and produces formwork and scaffolding systems and other accessories required for the construction of bridges, culverts and tunnels. It offers innovative formwork solutions using its years of experience, and expertise accumulated over 27 years in the construction industry.

Some of its systems are designed to use standard forming elements, while others are specifically designed to meet the needs of its customers to build perfect, durable formwork systems that comply with high quality requirements of the market.

The RS Group's services in this field include full customer support on-site so that the customer has one experienced partner throughout the entire project. Feasibility studies, site assembly, technical support, refurbishment and modification of existing systems are part of its services.

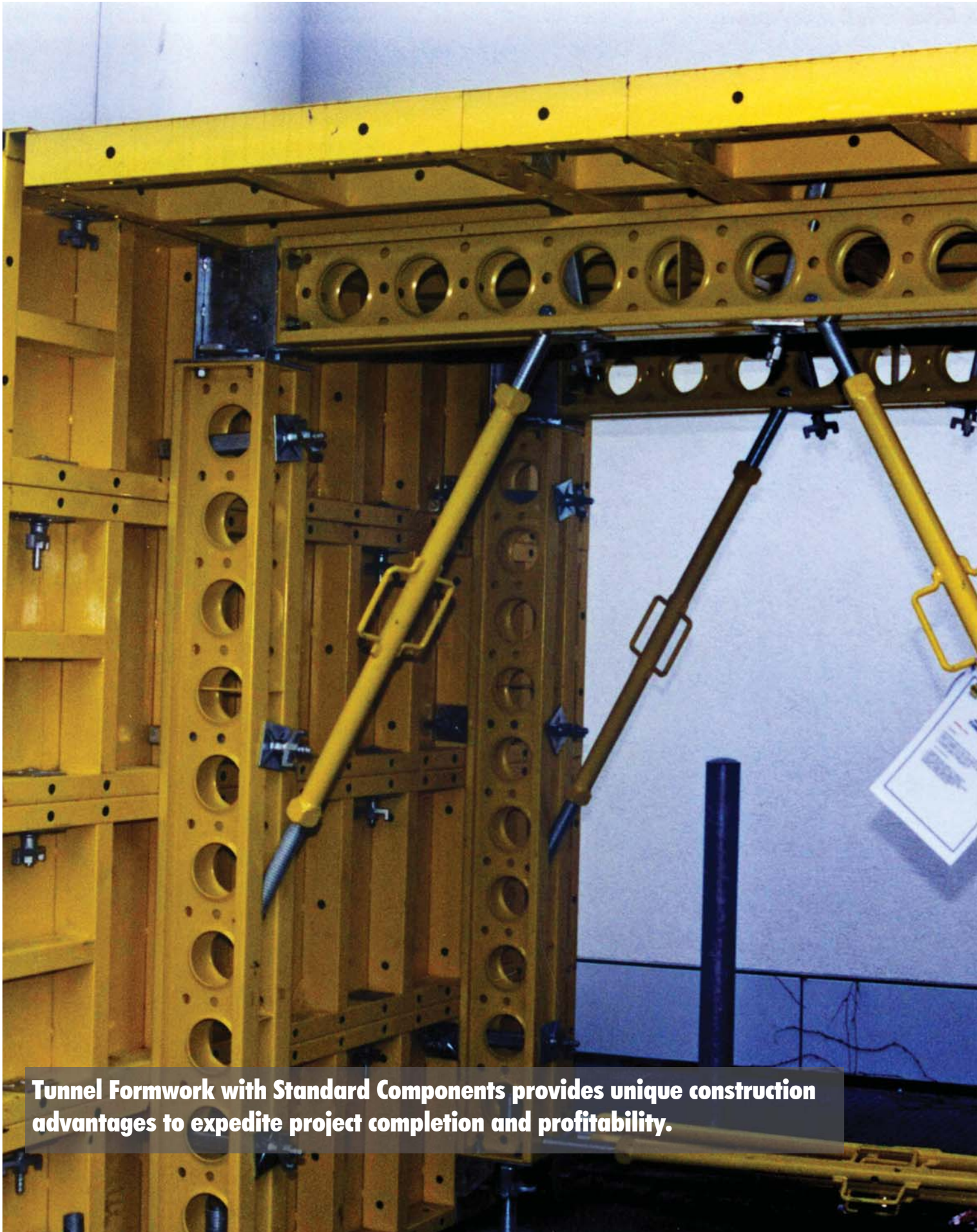


## Applications

There are numerous applications for special formwork and some of these are:

1. Complex architectural shapes
2. Formwork for pre-cast units
3. Tunnel forms
4. Culverts
5. Form handling gantries
6. Block moulds
7. Tilt-up tables
8. Round column forms
9. Complex column forms

## Tunnel Formwork Custom Made for Project Success



**Tunnel Formwork with Standard Components provides unique construction advantages to expedite project completion and profitability.**

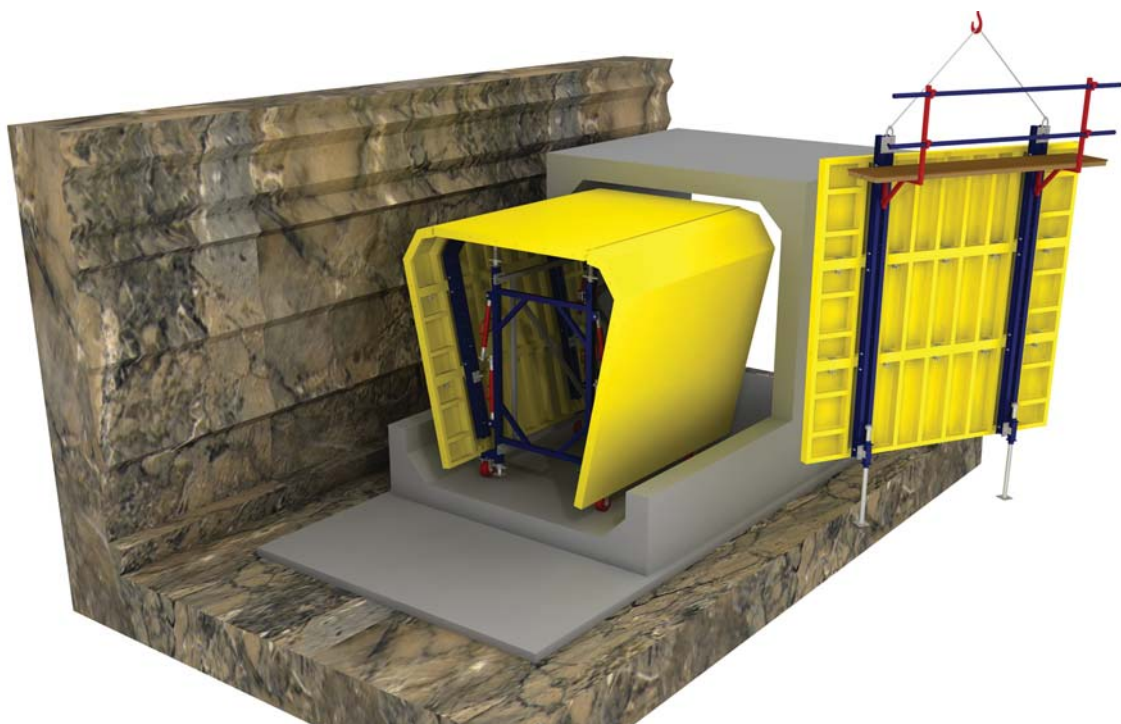


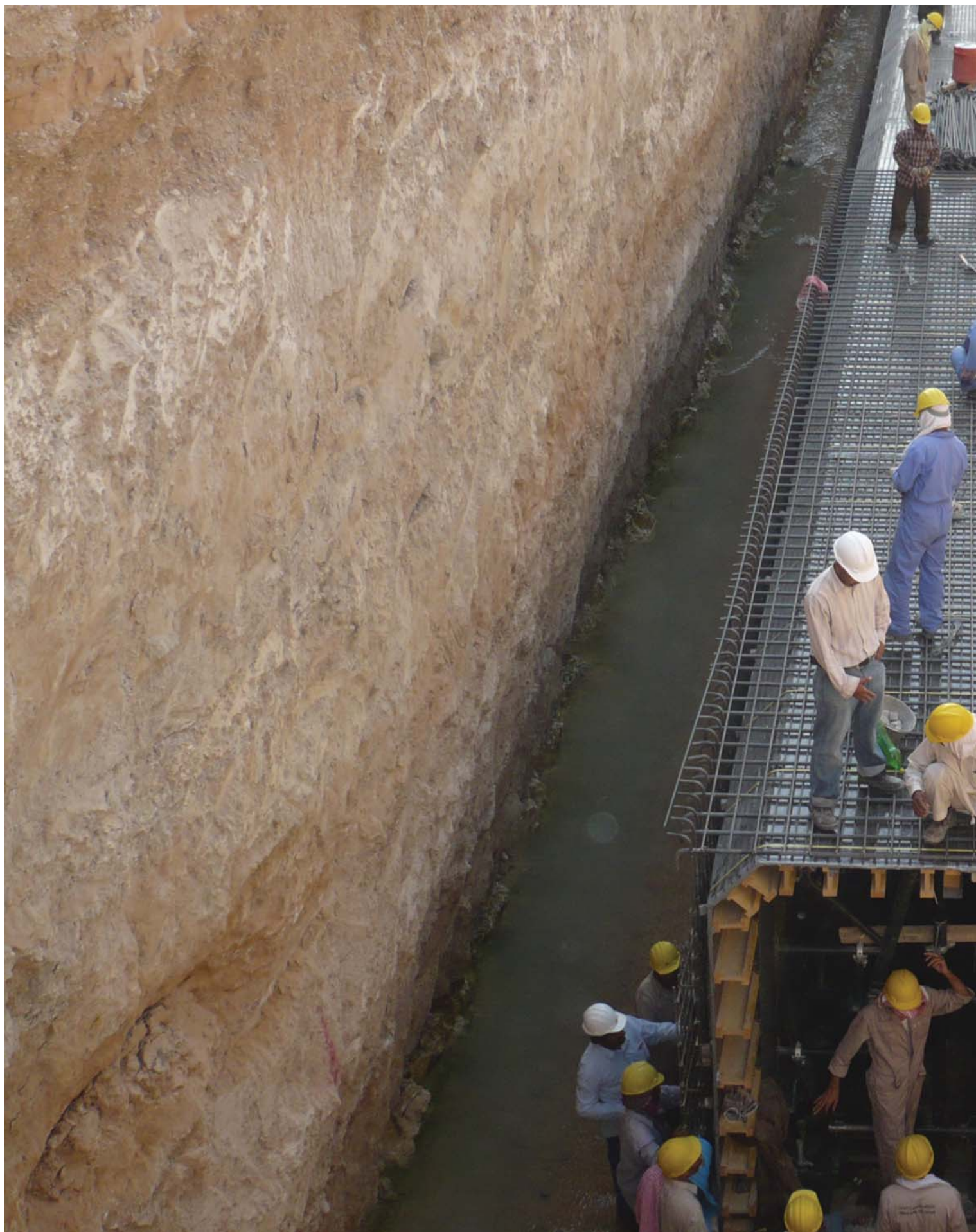
Tunnel form is a formwork system that allows construction of cellular walls and slabs in one operation on a daily cycle. It combines the speed, quality and accuracy of offsite production with the flexibility and economy of on-site construction and is recognised as a modern method of construction. The result is a cellular reinforced concrete structure, the surfaces of which are of sufficiently high quality to require only minimal finishing for direct decoration.

The benefits of using custom made tunnel formwork:

- Its modular system design provides dimensional accuracy and versatility.
- Lower concrete forming costs, improve labour productivity and requires less finishing.
- It produces a monolithic concrete structure that reduces re-shoring requirements.
- Reduced masonry, framing and drywall is needed for interior walls.
- Faster completion times to reduce interim financing and accelerate project revenues.

**With years of experience in the design and fabrication of formwork systems, RS Group can provide tunnel formwork systems to meet complex project requirements.**



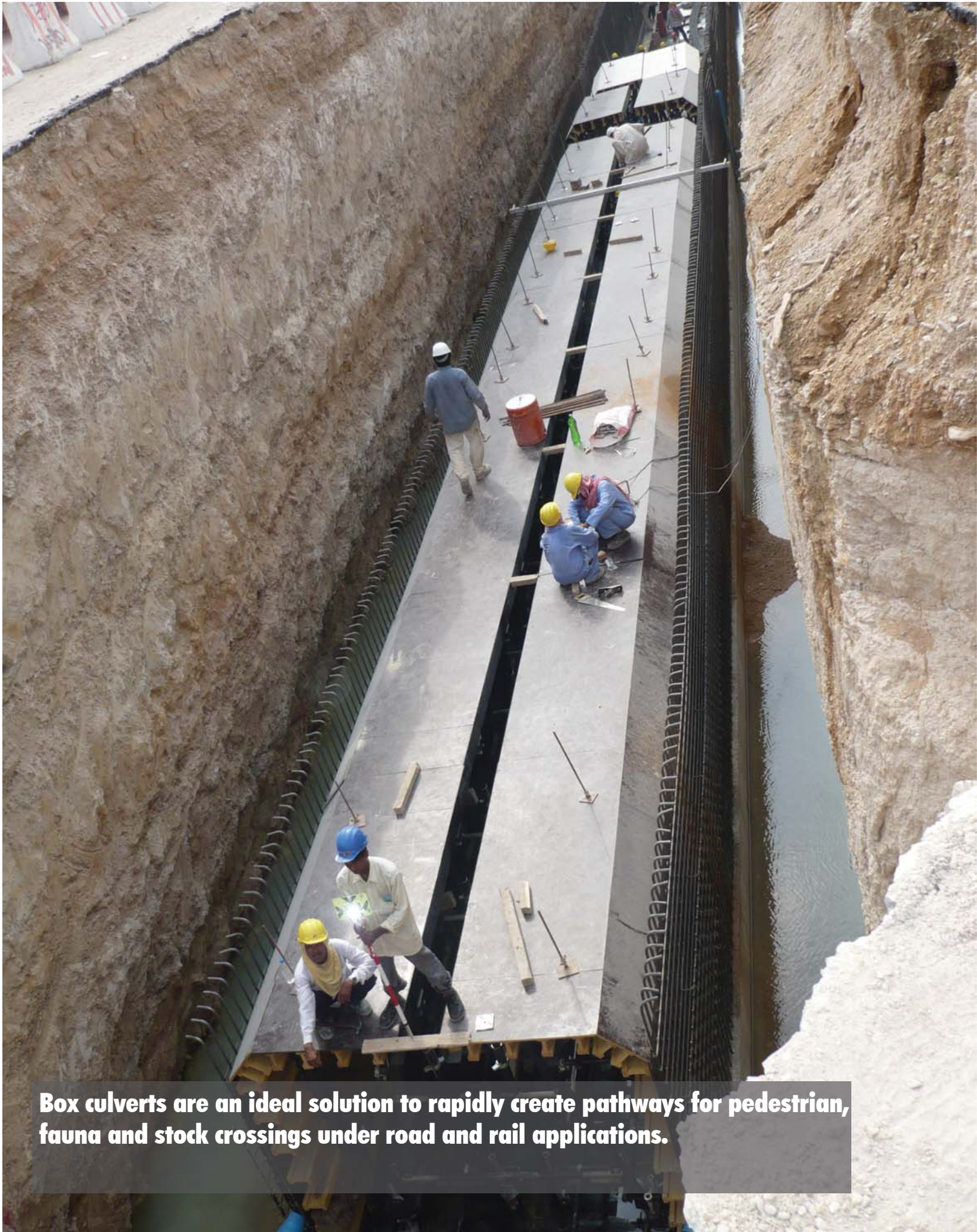








## Culvert Formwork is a Quick Solution for Instant Bridging



**Box culverts are an ideal solution to rapidly create pathways for pedestrian, fauna and stock crossings under road and rail applications.**

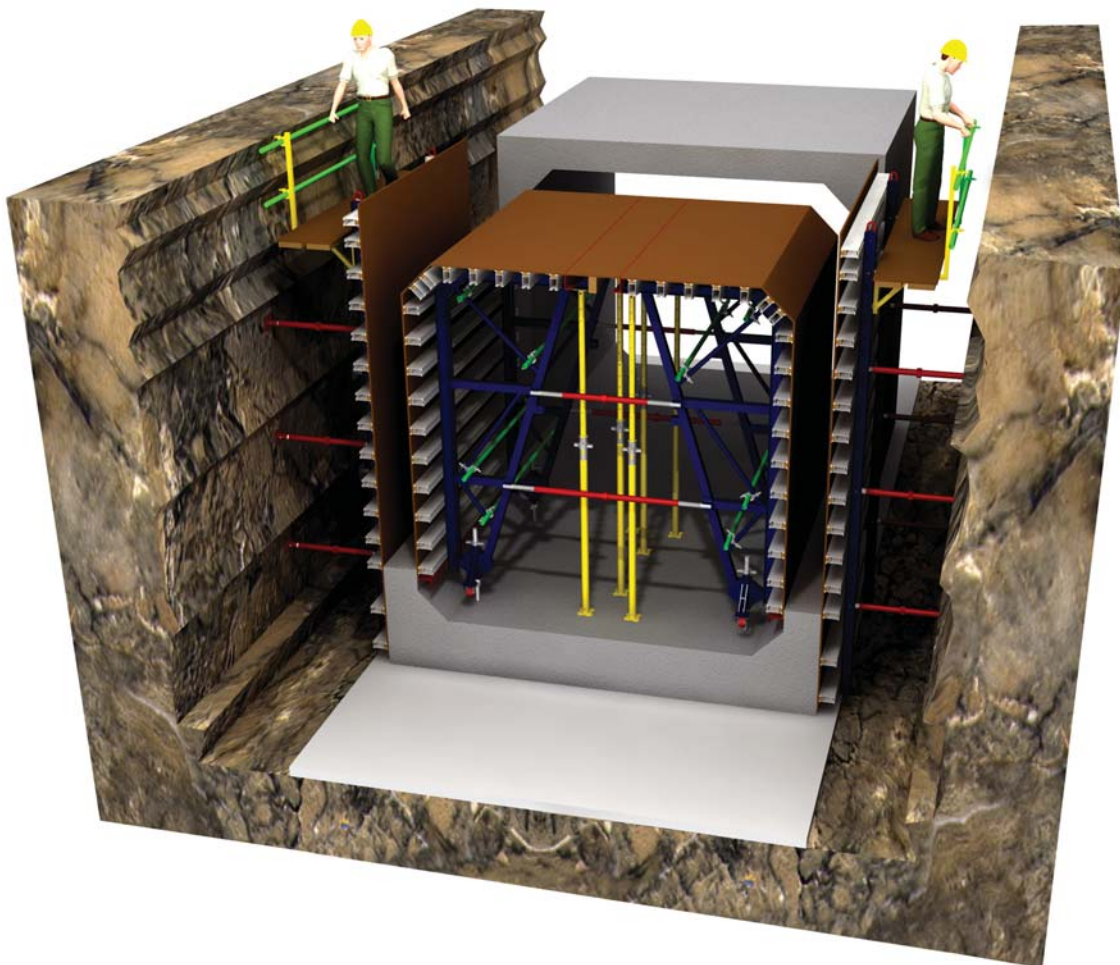


Using culvert formwork is recognised as a modern method of construction, culvert form simplifies the whole construction process by enabling a smooth and fast operation that can result in frame costs being reduced by large amounts. It provides frame program time savings of up to 50%.


During the construction process, a structural culvert is created by pouring concrete into custom-made steel formwork or formwork with standard elements to make the top slab and walls in one massive process. Every 24 hours, the formwork is moved so that another pouring cycle can be accomplished. A strong, monolithic structure is thus constructed.


The box culvert formwork customised with standard formwork elements is highly adjustable, highly flexible and still reusable for other forming purposes.

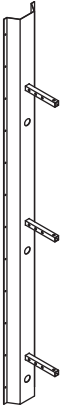
- Versatile : Complete system made to meet the needs of contractors.
- Easy to Use : Quick assembly & fixing.
- Proven Design : Fabricated for tough working conditions.

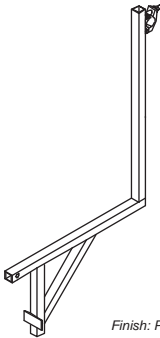


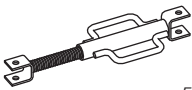



	Wt. (kg)	Code
<b>V - Stud Soldier</b>		
		
V - Stud Soldier 120 cm Painted	22.50	FVSSOLP120
V - Stud Soldier 240 cm Painted	41.50	FVSSOLP240
V - Stud Soldier 360 cm Painted	60.40	FVSSOLP360
<i>Finish: Painted Blue</i>		

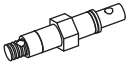
	Wt. (kg)	Code
<b>V - Stud Angle</b>		
		
V - Stud Angle 120 cm Painted	5.70	FVSANGP120
V - Stud Angle 240 cm Painted	11.40	FVSANGP240
V - Stud Angle 360 cm Painted	17.10	FVSANGP360
<i>Finish: Painted Blue</i>		

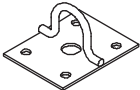
	Wt. (kg)	Code
<b>V - Stud Unit</b>		
		
V - Stud Unit 120 cm Painted	13.80	FVSUNIP120
V - Stud Unit 240 cm Painted	27.30	FVSUNIP240
V - Stud Unit 360 cm Painted	40.90	FVSUNIP360
<i>Finish: Painted Blue</i>		

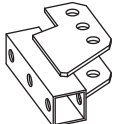
	Wt. (kg)	Code
<b>Soldier Access Bracket w/ HandRail Post (HRP)</b>		
		
Soldier Access Bracket w/ HRP (with M16X100 Bolt & Nut)	7.11	FSS99P001
<i>Finish: Painted</i>		

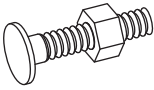
	Wt. (kg)	Code
<b>External Turnbuckle</b>		
		
External Turnbuckle (57 - 100) cm Painted	6.00	XVS002
<i>Closed Length = 57.5 cm Extended Length = 100 cm</i>		
<b>Internal Turnbuckle</b>		
		
Internal Turnbuckle (38 - 60) cm Painted	4.75	XVS006
<i>Closed Length = 38.5 cm Extended Length = 60 cm</i>		

	Wt. (kg)	Code
<b>External Fine Adjustment Jack</b>		
		
External Fine Adjustment Jack	3.80	XVS001
<i>Finish: Painted Blue</i>		


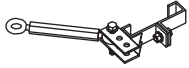
	Wt. (kg)	Code
<b>Internal Fine Adjustment Jack</b>		
		
Internal Fine Adjustment Jack	3.00	XVS005
<i>Finish: Painted Blue</i>		

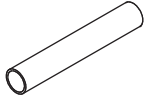

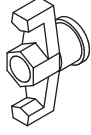
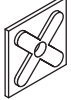

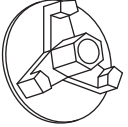
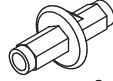

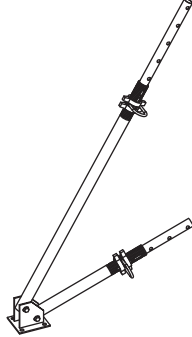
	Wt. (kg)	Code
<b>Soldier Lifting Bracket</b>		
		
Soldier Lifting Bracket	4.00	FSS99P015
<i>Plated size: 18x22 cm</i>		

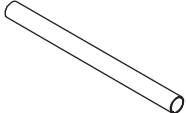
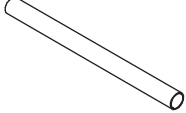
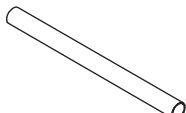
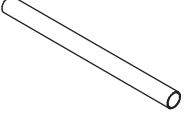
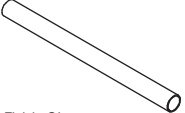
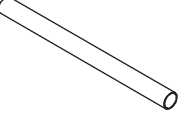
	Wt. (kg)	Code
<b>Fine Adjustment Bracket</b>		
		
Fine Adjustment Bracket	1.87	XVS003
<i>Finish: Painted Blue</i>		

	Wt. (kg)	Code
<b>Flat Bolt</b>		
		
Flat Bolt	0.08	XVS004
<i>Finish: Painted Blue</i>		

	Wt. (kg)	Code
<b>Bolt, Nut and Washer</b>		
		
Full Threaded Bolt, Nut and Washers		
Bolt Nut & Washer 16X100 mm (Full Thread)	0.20	XFGBF16100
Bolt Nut & Washer 16X100 mm (Half Thread)	0.25	XFGBH16100
		
Half Threaded Bolt, Nut and Washers		
Bolt Nut & Washer 16X40 mm (Full Thread)	0.14	XFGBF16040

	Wt. (kg)	Code
<b>Fine Adjustment Unit</b>		
		
Fine Adjustment Unit Internal (28 - 42) cm	3.50	XVS007
		
Fine Adjustment Unit External (48 - 70) cm	4.95	XVS008

		Wt. (kg)	Code
<b>Plastic Sleeve</b>			
	Plastic Sleeve 1M	0.15	XFGPSL100
<b>Plastic Cone</b>			
	Plastic Cone	0.01	XFGCONE
<b>Wing Nut</b>			
	Wing Nut E/P	0.30	XFGWNUTE
	<i>Finish: Electroplated</i>		
<b>Counter Plate</b>			
	Counter Plate 90x45x8 mm	0.23	XFGCP80E0945
	Counter Plate 90x90x6 mm	0.35	XFGCP60E09
	Counter Plate 90x90x8 mm	0.49	XFGCP80E09
	Counter Plate 120x120 mm	0.72	XFGCP80E12
	Counter Plate 150x150 mm	1.40	XFGCP80E15
	<i>Finish: Electroplated</i>		
<b>Round Wing Nut</b>			
	Round Wing Nut (Anchor Nut)	0.63	XANUT15100
	<i>Finish: Electroplated DIA.: 100 mm</i>		
<b>Water Stopper</b>			
	Water Stopper Reducer	0.01	XFGPR
	Water Stopper GI Finish	0.56	XFGWSE
	<i>Plastic Reducer</i>		
<b>Double Push Pull Props Double Adjustable (DPPPDA)</b>			
	DPPPDA 150cm (E/P Collar) HD	20.00	FDPD10015030E
	DPPPDA 250cm (E/P Collar) HD	22.24	FDPD15025030E
	DPPPDA 300cm (E/P Collar) HD	24.36	FDPD17030030E
	DPPPDA 350cm (E/P Collar) HD	26.02	FDPD20035030E
	DPPPDA 400cm (E/P Collar) HD	27.26	FDPD25040030E
	DPPPDA 450cm (E/P Collar) HD	31.93	FDPD25045030E
	DPPPDA 500cm (E/P Collar) HD	33.61	FDPD30050030E
	DPPPDA 550cm (E/P Collar) HD	35.28	FDPD35055030E
	DPPPDA 600cm (E/P Collar) HD	36.96	FDPD40060030E

		Wt. (kg)	Code
<b>Scaffold Tube (ST) Painted</b>			
<b>M.D. Tube</b>			
	ST 100 cm MD	2.28	FSTP20100
	ST 150 cm MD	3.42	FSTP20150
	ST 200 cm MD	4.57	FSTP20200
	ST 250 cm MD	5.71	FSTP20250
	ST 300 cm MD	6.85	FSTP20300
	ST 350 cm MD	7.99	FSTP20350
	ST 400 cm MD	9.13	FSTP20400
	ST 450 cm MD	10.27	FSTP20450
	ST 500 cm MD	11.42	FSTP20500
	ST 550 cm MD	12.56	FSTP20550
	ST 600 cm MD	13.70	FSTP20600
	<i>Finish: Painted Dia.:48.3 mm</i>		
<b>H.D. Tube</b>			
	ST 100 cm HD	3.35	FSTP30100
	ST 150 cm HD	5.03	FSTP30150
	ST 200 cm HD	6.70	FSTP30200
	ST 250 cm HD	8.38	FSTP30250
	ST 300 cm HD	10.05	FSTP30300
	ST 350 cm HD	11.73	FSTP30350
	ST 400 cm HD	13.41	FSTP30400
	ST 450 cm HD	15.08	FSTP30450
	ST 500 cm HD	16.76	FSTP30500
	ST 550 cm HD	18.43	FSTP30550
	ST 600 cm HD	20.11	FSTP30600
	<i>Finish: Painted Dia.:48.3 mm</i>		
<b>Scaffold Tube (ST) Black</b>			
<b>M.D. Tube</b>			
	ST 100 cm MD		FSTN20100
	ST 150 cm MD	2.28	FSTN20150
	ST 200 cm MD	3.42	FSTN20200
	ST 250 cm MD	4.57	FSTN20250
	ST 300 cm MD	5.71	FSTN20300
	ST 350 cm MD	6.85	FSTN20350
	ST 400 cm MD	7.99	FSTN20400
	ST 450 cm MD	9.13	FSTN20450
	ST 500 cm MD	10.27	FSTN20500
	ST 550 cm MD	11.42	FSTN20550
	ST 600 cm MD	12.56	FSTN20600
	<i>Finish: Black Dia.:48.3 mm</i>		
<b>H.D. Tube</b>			
	ST 100 cm HD	3.35	FSTN30100
	ST 150 cm HD	5.03	FSTN30150
	ST 200 cm HD	6.70	FSTN30200
	ST 250 cm HD	8.38	FSTN30250
	ST 300 cm HD	10.05	FSTN30300
	ST 350 cm HD	11.73	FSTN30350
	ST 400 cm HD	13.41	FSTN30400
	ST 450 cm HD	15.08	FSTN30450
	ST 500 cm HD	16.76	FSTN30500
	ST 550 cm HD	18.43	FSTN30550
	ST 600 cm HD	20.11	FSTN30600
	<i>Finish: Black Dia.:48.3 mm</i>		
<b>Scaffold Tube (ST) GI</b>			
<b>M.D. Tube</b>			
	ST 100 cm MD	2.28	FSTG20100
	ST 150 cm MD	3.42	FSTG20150
	ST 200 cm MD	4.57	FSTG20200
	ST 250 cm MD	5.71	FSTG20250
	ST 300 cm MD	6.85	FSTG20300
	ST 350 cm MD	7.99	FSTG20350
	ST 400 cm MD	9.13	FSTG20400
	ST 450 cm MD	10.27	FSTG20450
	ST 500 cm MD	11.42	FSTG20500
	ST 550 cm MD	12.56	FSTG20550
	ST 600 cm MD	13.70	FSTG20600
	<i>Finish: GI Dia.:48.3 mm</i>		
<b>H.D. Tube</b>			
	ST 100 cm HD	3.35	FSTG30100
	ST 150 cm HD	5.03	FSTG30150
	ST 200 cm HD	6.70	FSTG30200
	ST 250 cm HD	8.38	FSTG30250
	ST 300 cm HD	10.05	FSTG30300
	ST 350 cm HD	11.73	FSTG30350
	ST 400 cm HD	13.41	FSTG30400
	ST 450 cm HD	15.08	FSTG30450
	ST 500 cm HD	16.76	FSTG30500
	ST 550 cm HD	18.43	FSTG30550
	ST 600 cm HD	20.11	FSTG30600
	<i>Finish: GI Dia.:48.3 mm</i>		





Abu Dhabi

Dubai

T: +971 2 5500688

T: +971 4 8862855

F: +971 2 5500689

F: +971 4 5562558

P.O. BOX: 41851, Abu Dhabi, UAE

P.O. BOX: 18234, Jebel Ali, UAE

**WWW.SCAFFCO.COM**