

Typical applications

- *Loading docks*
- *Airports*
- *Gas stations*
- *Industrial areas*
- *Commercial areas*
- *Ports & docks*



FF300
FF600

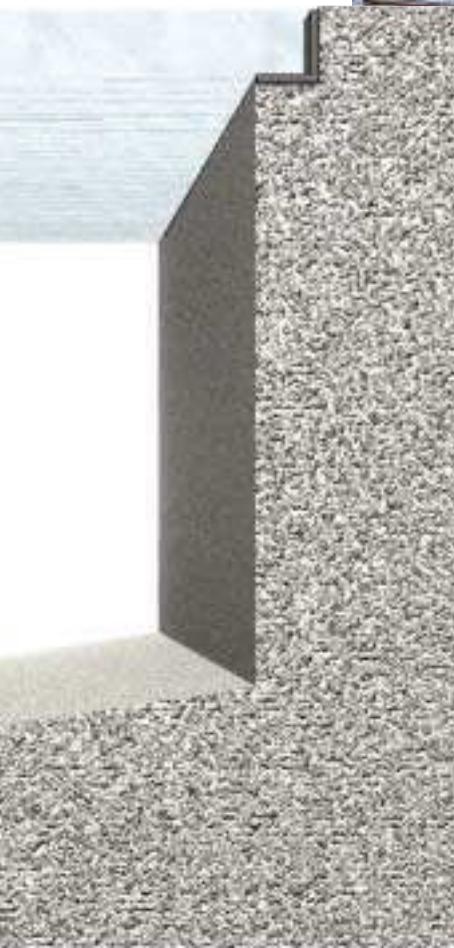
FastForm is a unique trench forming system for cast-in-place applications.

FastForm is manufactured from reinforced 2-ply cardboard. Each former is a complete kit that produces a strong, lightweight 'V' shaped form. The assembly also positions and supports the steel frames for grates.

Unlike expanded polystyrene forming systems, which are difficult to dispose of after use due to environmental issues, FastForm can be easily disposed of after removal.

FastForm is flat packed, giving significant cost savings on freight.

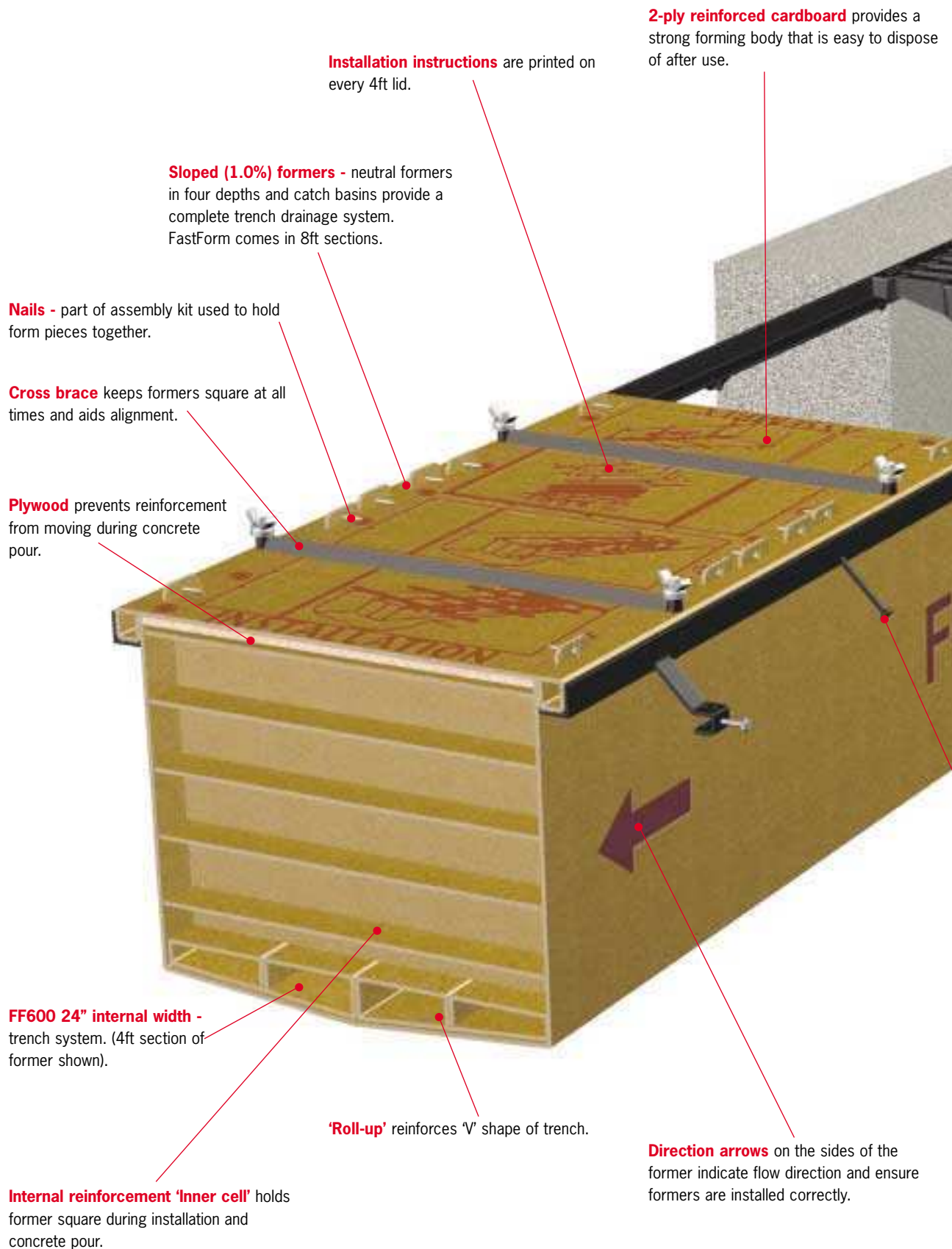




FastForm

Trench forming system for cast-in-place applications

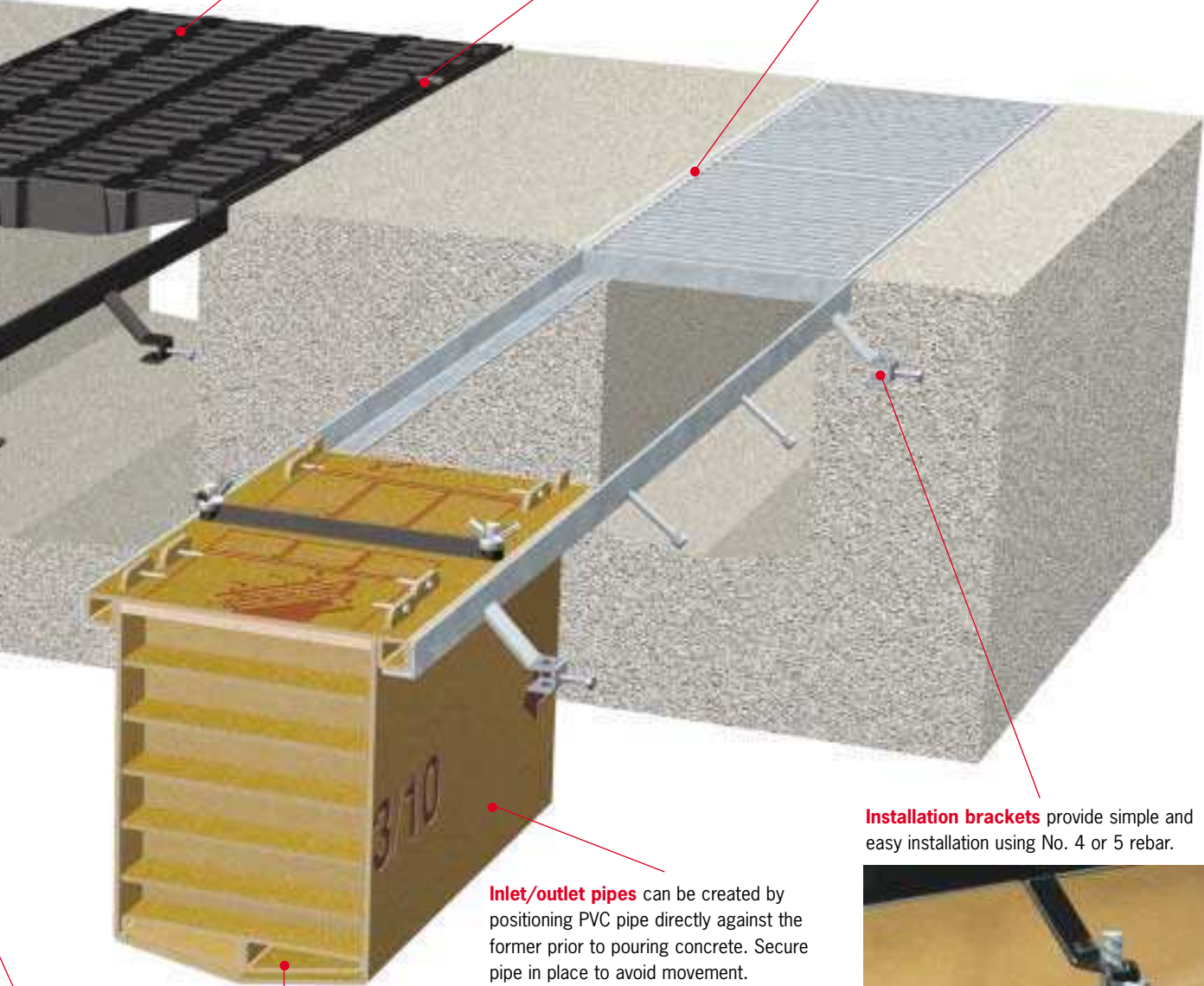




Choice of grates - Class C galvanized bar grate or Class E ductile iron grate.

Bolted grates - all grates are lockable with two 1/2- 13 x 1 3/4" bolts fixing directly into the steel frame.

Black coated or galvanized steel frame provides grate seat and locking points.



FF300 12" internal width - trench system. (2ft section of former shown).

Nelson studs attached to the frame act as concrete anchors to secure frame into concrete surround.

Inlet/outlet pipes can be created by positioning PVC pipe directly against the former prior to pouring concrete. Secure pipe in place to avoid movement.



Installation brackets provide simple and easy installation using No. 4 or 5 rebar.



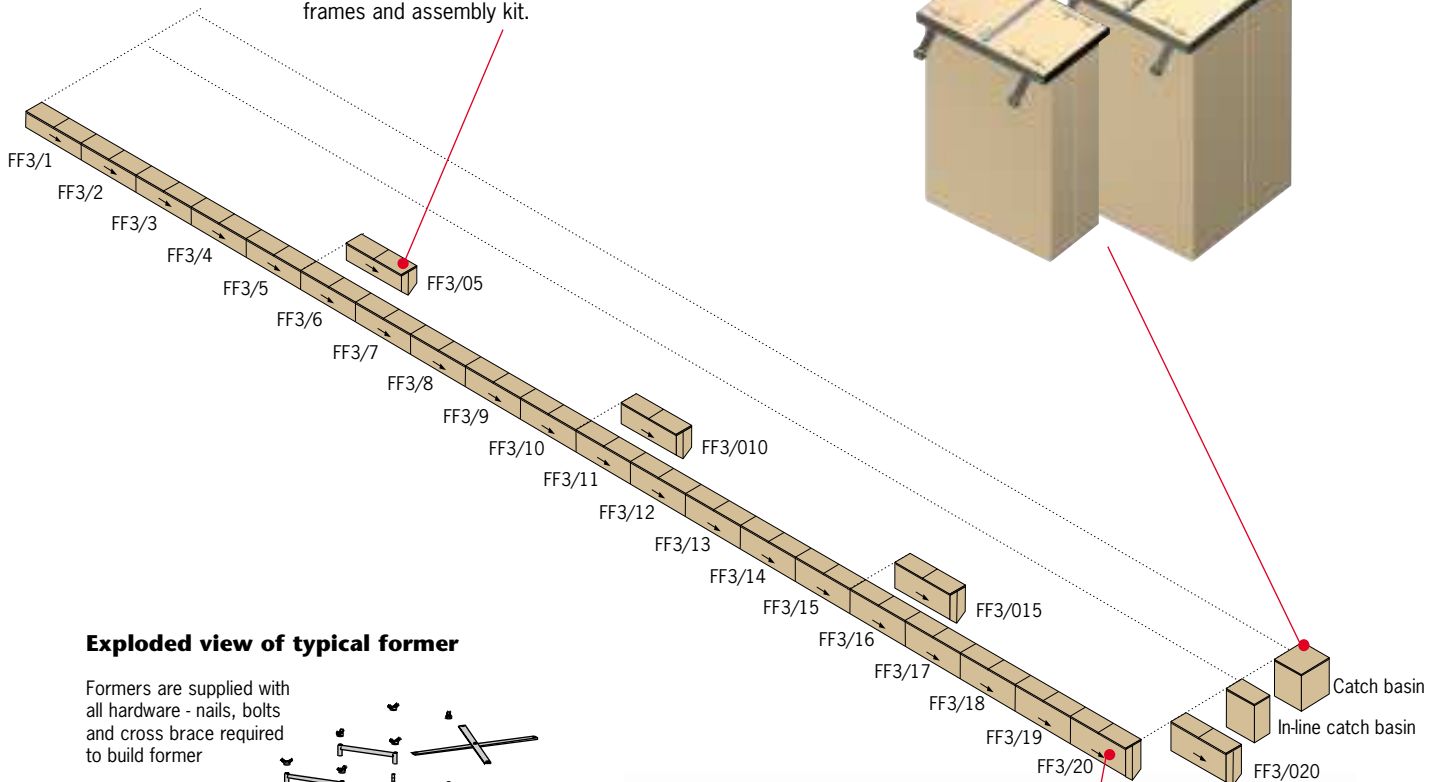
System layout

Neutral forming sections

12" width neutral formers in 4 depths to extend sloped runs or can be used to create a neutral system. Each former is supplied with two steel grate seating frames and assembly kit.

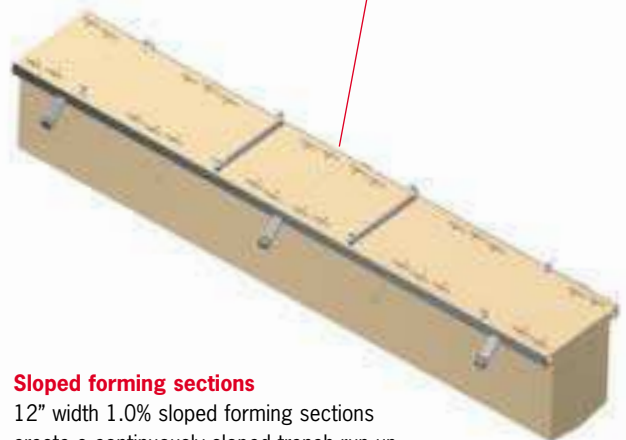
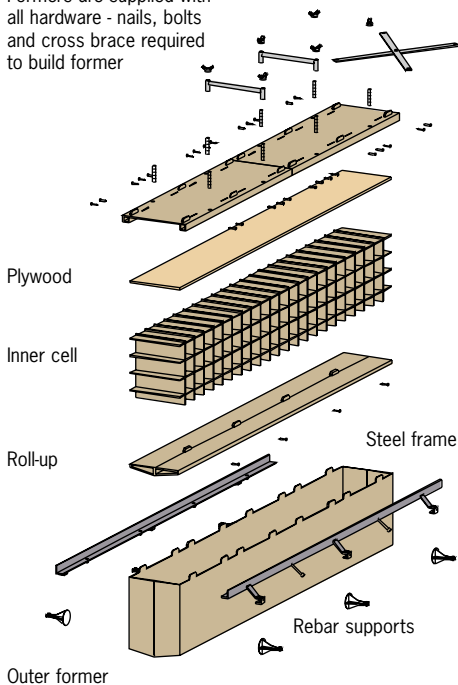
Catch basins

Catch basin formers with choice of steel frames, lockable steel bar or ductile iron slotted grate and plastic trash bucket.



Exploded view of typical former

Formers are supplied with all hardware - nails, bolts and cross brace required to build former



Sloped forming sections

12" width 1.0% sloped forming sections create a continuously sloped trench run up to 160ft (48.8 meters). Each former is supplied with two steel grate seating frames and assembly kit.

FF300 Parts list

Description	Part No		Invert Depth				Weight lbs
	Black coated	Galv. steel	inches		mm		
			Female	Male	Female	Male	
FF3/1 Sloped former - 8' (2.44m)	91393	91397	5.75	6.75	146	171	83.0
FF3/2 Sloped former - 8' (2.44m)	91405	91404	6.75	7.75	171	197	83.2
FF3/3 Sloped former - 8' (2.44m)	91412	91418	7.75	8.75	197	222	83.5
FF3/4 Sloped former - 8' (2.44m)	91427	91423	8.75	9.75	222	247	83.8
FF3/5 Sloped former - 8' (2.44m)	91436	91435	9.75	10.75	247	273	84.0
FF3/05 Neutral former - 8' (2.44m)	91439	91437	10.75	10.75	273	273	84.2
FF3/6 Sloped former - 8' (2.44m)	91448	91442	10.75	11.75	273	298	84.2
FF3/7 Sloped former - 8' (2.44m)	91450	91455	11.75	12.75	298	324	84.5
FF3/8 Sloped former - 8' (2.44m)	91464	91463	12.75	13.75	324	349	85.0
FF3/9 Sloped former - 8' (2.44m)	91473	91477	13.75	14.75	349	375	85.3
FF3/10 Sloped former - 8' (2.44m)	91481	91486	14.75	15.75	375	400	85.5
FF3/010 Neutral former - 8' (2.44m)	91499	91492	15.75	15.75	400	400	85.5
FF3/11 Sloped former - 8' (2.44m)	91504	91505	15.75	16.75	400	425	86.0
FF3/12 Sloped former - 8' (2.44m)	91513	91518	16.75	17.75	425	451	86.2
FF3/13 Sloped former - 8' (2.44m)	91527	91521	17.75	18.75	451	476	86.5
FF3/14 Sloped former - 8' (2.44m)	91536	91539	18.75	19.75	476	502	86.7
FF3/15 Sloped former - 8' (2.44m)	91541	91547	19.75	20.75	502	527	87.0
FF3/015 Neutral former - 8' (2.44m)	91552	91554	20.75	20.75	527	527	87.0
FF3/16 Sloped former - 8' (2.44m)	91563	91568	20.75	21.75	527	552	87.3
FF3/17 Sloped former - 8' (2.44m)	91578	91572	21.75	22.75	552	578	87.8
FF3/18 Sloped former - 8' (2.44m)	91584	91585	22.75	23.75	578	603	88.0
FF3/19 Sloped former - 8' (2.44m)	91596	91591	23.75	24.75	603	629	88.5
FF3/20 Sloped former - 8' (2.44m)	91608	91603	24.75	25.75	629	654	89.0
FF3/020 Neutral former - 8' (2.44m)	91617	91614	25.75	25.75	654	654	89.0
In-line catch basins							
FF3 In-line catch basin - 12" x 24"	91697	91695	36.00	36.00	915	915	28.0
Plastic trash bucket - to suit 91697/91695	98067	98067	-	-	-	-	5.0
Fastform catch basin - 24" x 24"	98255	98254	41.75	41.75	1060	1060	48.0
Plastic trash bucket - to suit 98255/98254	98059	98059	-	-	-	-	8.4
Accessories							
Steel end frame	94568	94563	-	-	-	-	0.2
Assembly tape - roll (approx 25 formers)	95460	95460	-	-	-	-	0.1



BAR STEEL

DIN 19580 Class C - 56,000lbs - 968psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area inches ²	Locking Type
Galvanized steel	97443	24.0" (0.61m)	35.2	1.0" x 3.7"	266	Bolted ¹
Galvanized steel	97464	48.0" (1.22m)	70.0	1.0" x 3.7"	532	Bolted ¹



SLOTTED IRON

DIN 19580 Class E - 135,000lbs - 2,323psi

Medium industrial



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area inches ²	Locking Type
Ductile iron	97449	24.0" (0.61m)	62.0	1.2" x 5.7" avg.	141	Bolted ²



* Ductile iron to ASTM A 536-84 - grade 65-45-12

Notes:

- Supplied with two/four galv. steel socket head bolts per grate (1/2- 13 x 1 3/4") - replacement part 93890
- Supplied with two stainless steel hex head flange bolts per grate (1/2- 13 x 1 3/4") - replacement part 93889
- For grates to suit 24" x 24" catch basin see page 77

ACO drain

System layout

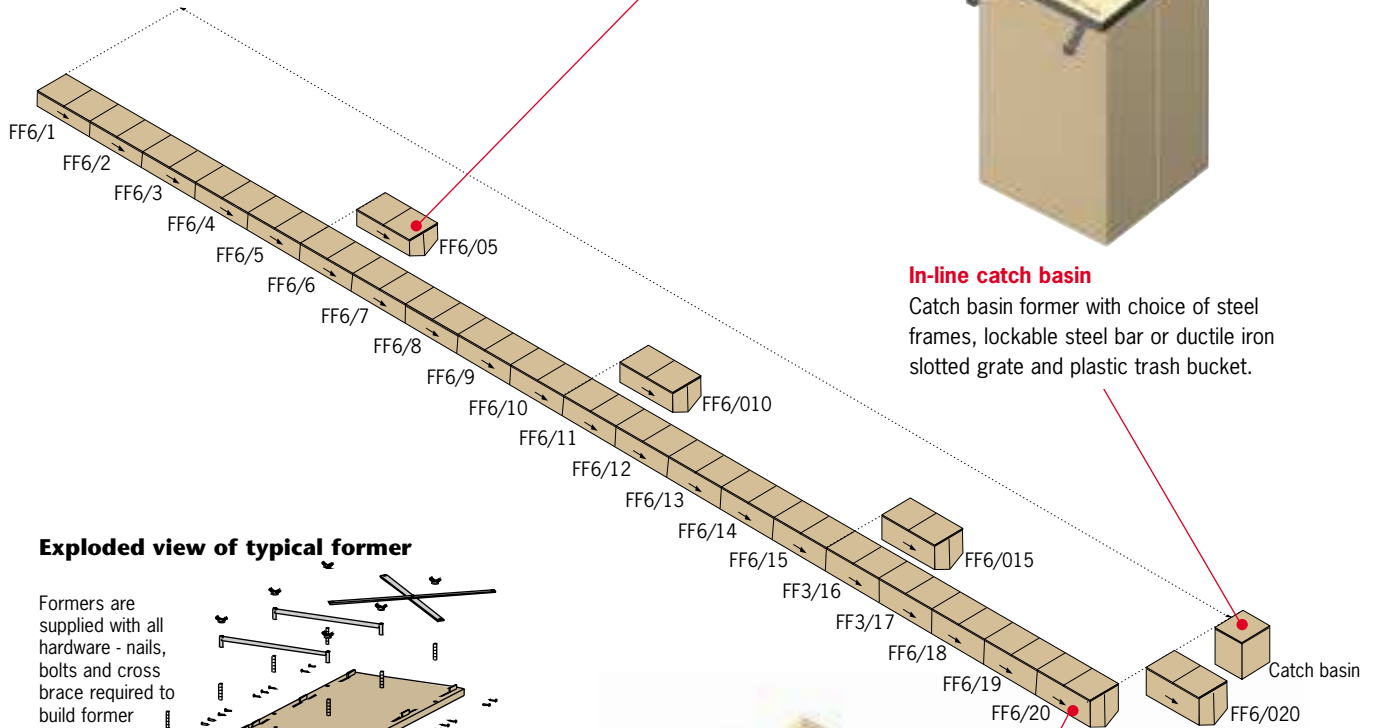
Neutral forming sections

24" width neutral formers in 4 depths to extend sloped runs or can be used to create a neutral system. Each former is supplied with two steel grate seating frames and assembly kit.



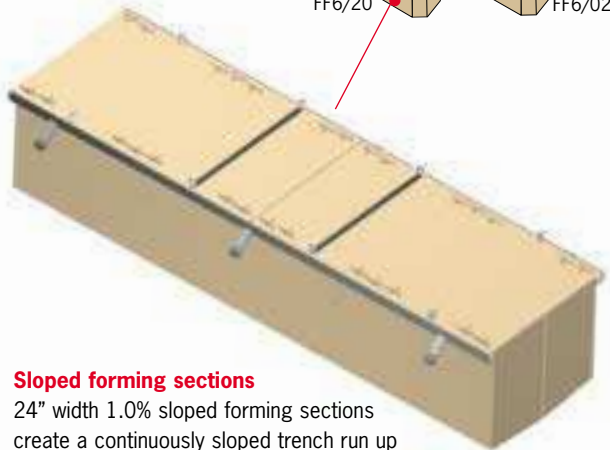
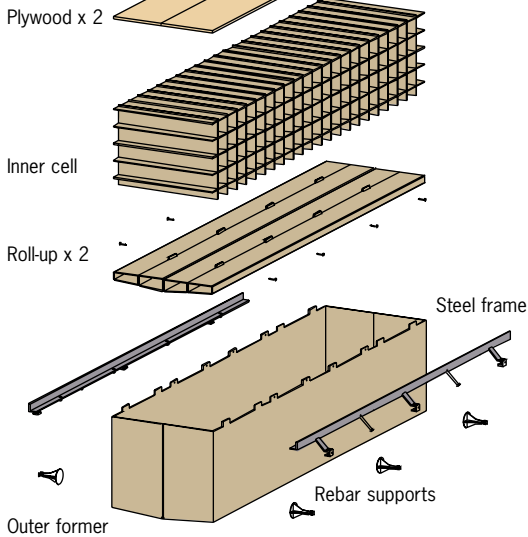
In-line catch basin

Catch basin former with choice of steel frames, lockable steel bar or ductile iron slotted grate and plastic trash bucket.



Exploded view of typical former

Formers are supplied with all hardware - nails, bolts and cross brace required to build former



Sloped forming sections

24" width 1.0% sloped forming sections create a continuously sloped trench run up to 160ft (48.8 meters). Each former is supplied with 2 steel grate seating frames and assembly kit.

FF600 Parts list

Description	Part No		Invert Depth				Weight lbs
	Black coated	Galv. steel	inches		mm		
			Female	Male	Female	Male	
FF6/1 Sloped former - 8' (2.44m)	98736	98732	9.75	10.75	248	273	110.6
FF6/2 Sloped former - 8' (2.44m)	98733	98735	10.75	11.75	273	298	111.8
FF6/3 Sloped former - 8' (2.44m)	98737	98734	11.75	12.75	298	324	113.1
FF6/4 Sloped former - 8' (2.44m)	98731	98739	12.75	13.75	324	349	114.4
FF6/5 Sloped former - 8' (2.44m)	98743	98746	13.75	14.75	349	375	115.7
FF6/05 Neutral former - 8' (2.44m)	98745	98741	14.75	14.75	375	375	116.3
FF6/6 Sloped former - 8' (2.44m)	98748	98744	14.75	15.75	375	400	116.9
FF6/7 Sloped former - 8' (2.44m)	98742	98747	15.75	16.75	400	425	118.2
FF6/8 Sloped former - 8' (2.44m)	98752	98751	16.75	17.75	425	451	119.5
FF6/9 Sloped former - 8' (2.44m)	98756	98758	17.75	18.75	451	476	120.7
FF6/10 Sloped former - 8' (2.44m)	98754	98753	18.75	19.75	476	502	122.0
FF6/010 Neutral former - 8' (2.44m)	98759	98757	19.75	19.75	502	502	122.6
FF6/11 Sloped former - 8' (2.44m)	98761	98763	19.75	20.75	502	527	123.3
FF6/12 Sloped former - 8' (2.44m)	98765	98769	20.75	21.75	527	552	124.9
FF6/13 Sloped former - 8' (2.44m)	98764	98762	21.75	22.75	552	578	126.5
FF6/14 Sloped former - 8' (2.44m)	98768	98767	22.75	23.75	578	603	128.1
FF6/15 Sloped former - 8' (2.44m)	98775	98778	23.75	24.75	603	629	129.7
FF6/015 Neutral former - 8' (2.44m)	98773	98776	24.75	24.75	629	629	130.3
FF6/16 Sloped former - 8' (2.44m)	98777	98774	24.75	25.75	629	654	131.3
FF6/17 Sloped former - 8' (2.44m)	98779	98771	25.75	26.75	654	679	132.9
FF6/18 Sloped former - 8' (2.44m)	98788	98782	26.75	27.75	679	705	134.5
FF6/19 Sloped former - 8' (2.44m)	98784	98787	27.75	28.75	705	730	136.1
FF6/20 Sloped former - 8' (2.44m)	98783	98785	28.75	29.75	730	756	136.5
FF6/020 Neutral former - 8' (2.44m)	98789	98786	29.75	29.75	756	756	137.1
In-line catch basins							
Fastform catch basin - 24" x 24"	98255	98254	41.75	41.75	1060	1060	48.0
Plastic trash bucket - to suit 98255/98254	98059	98059	-	-	-	-	8.4
Accessories							
Steel end frame	98284	98282	-	-	-	-	0.4
Assembly tape - roll (approx 20 formers)	95460	95460	-	-	-	-	0.1



BAR STEEL

DIN 19580 Class C - 56,000lbs - 739psi

Commercial vehicle

Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area inches ²	Locking Type
Galvanized steel	97452	24.0" (0.61m)	63.8	1.0" x 3.6"	457.0	Bolted ¹



SLOTTED IRON

DIN 19580 Class E - 135,000lbs - 1,773psi

Medium industrial

Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area inches ²	Locking Type
Ductile iron	97453	24.0" (0.61m)	206.0	1.2" x 3.8" avg.	219.0	Bolted ²

* Ductile iron to ASTM A 536-84 - grade 65-45-12

Notes:

- Supplied with two galv. steel socket head bolts per grate (1/2 - 13 x 1 3/4") - replacement part 93890
- Supplied with two stainless steel hex head flange bolts per grate (1/2 - 13 x 1 3/4") - replacement part 93889

