

Typical applications

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



FF300
FF600

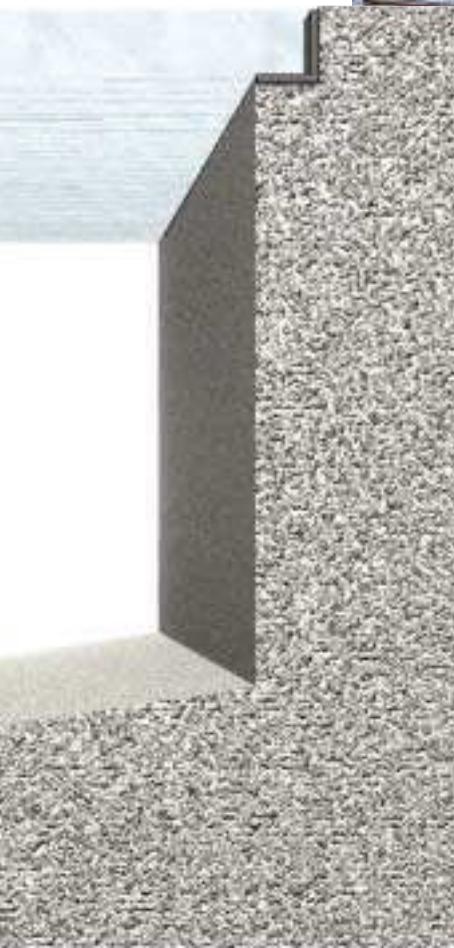
FastForm is a unique trench forming system for cast-in-place applications.

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.

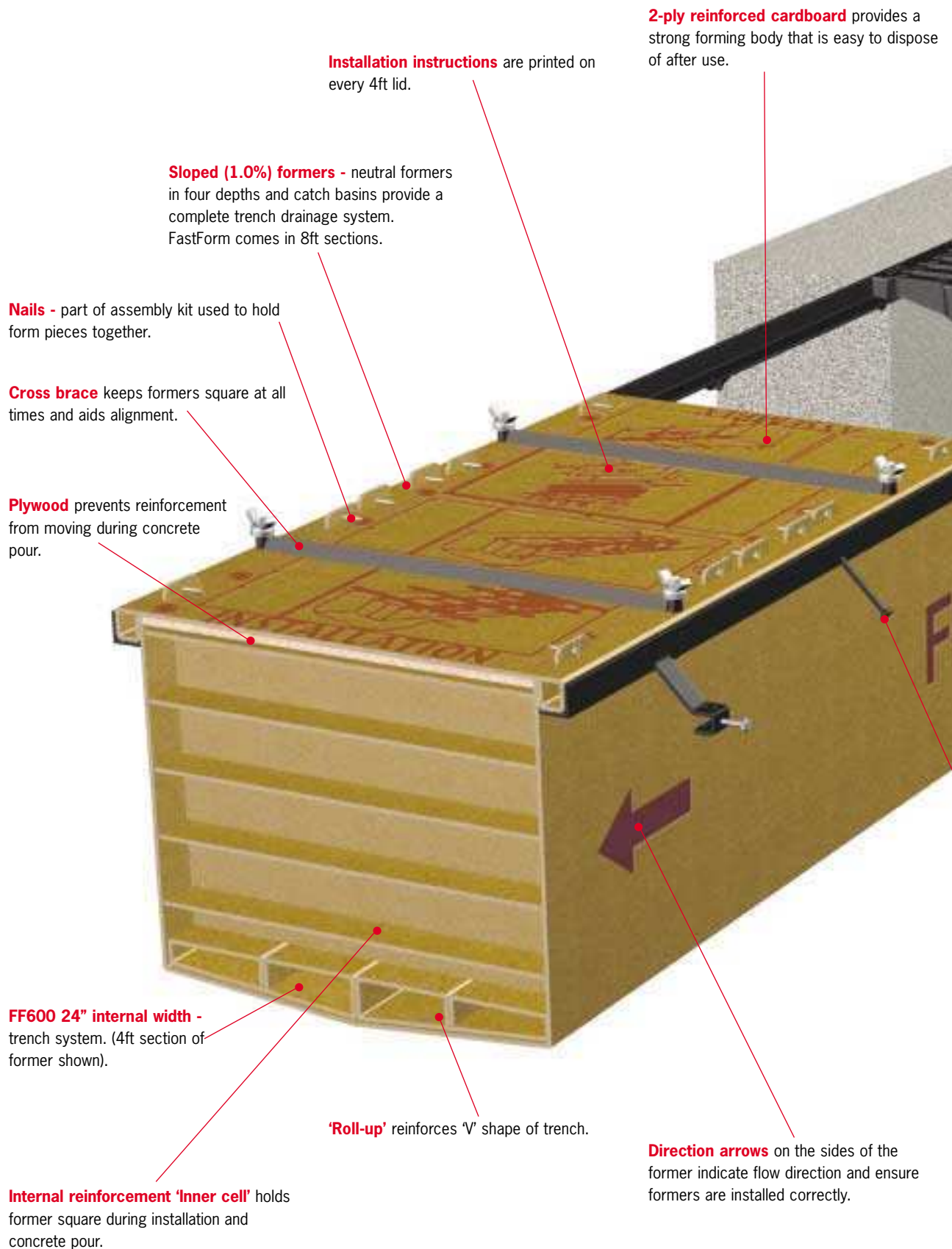




FastForm

Trench forming system for cast-in-place applications

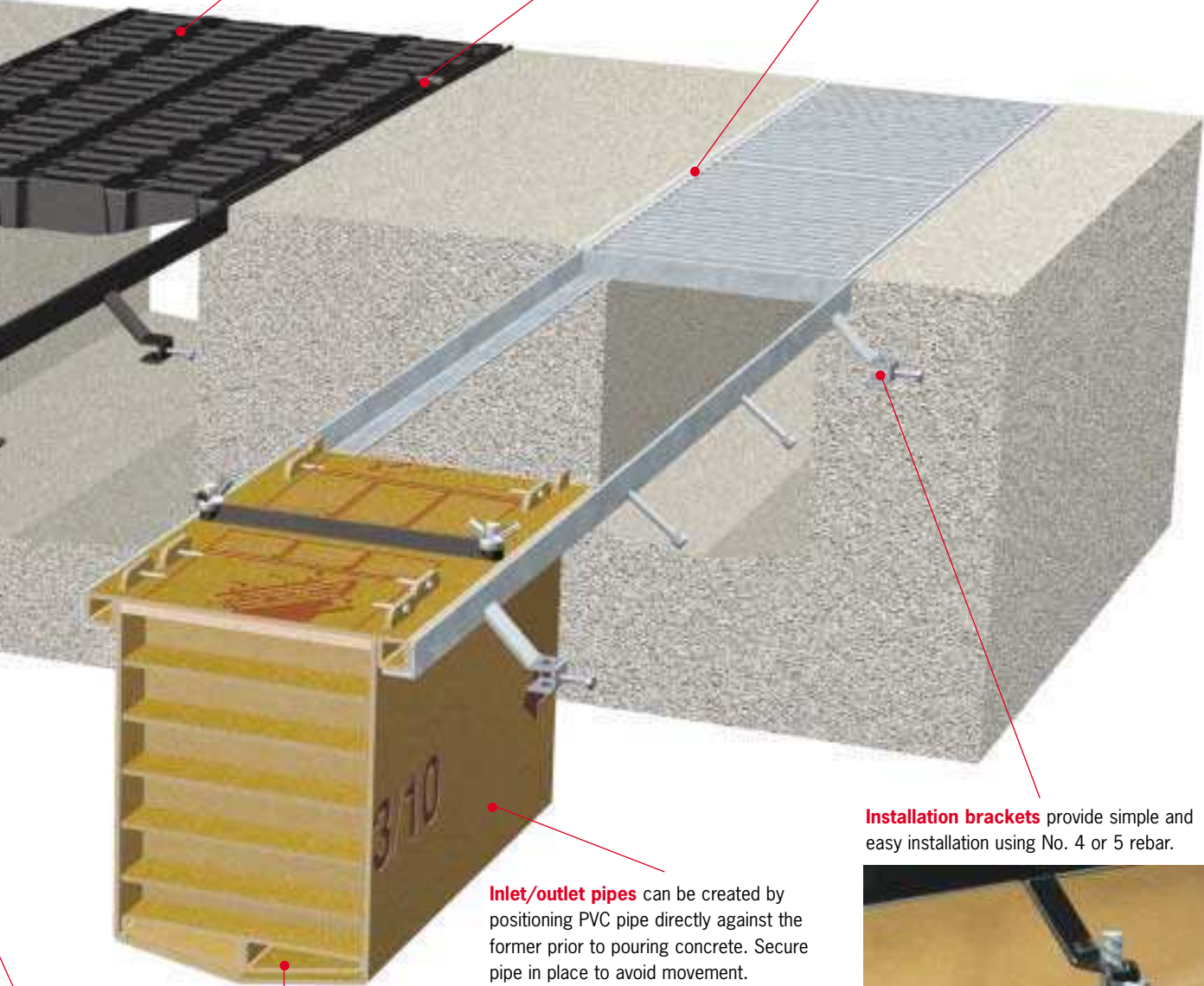




Choice of grates - Class C galvanized bar grate or Class E ductile iron grate.

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.



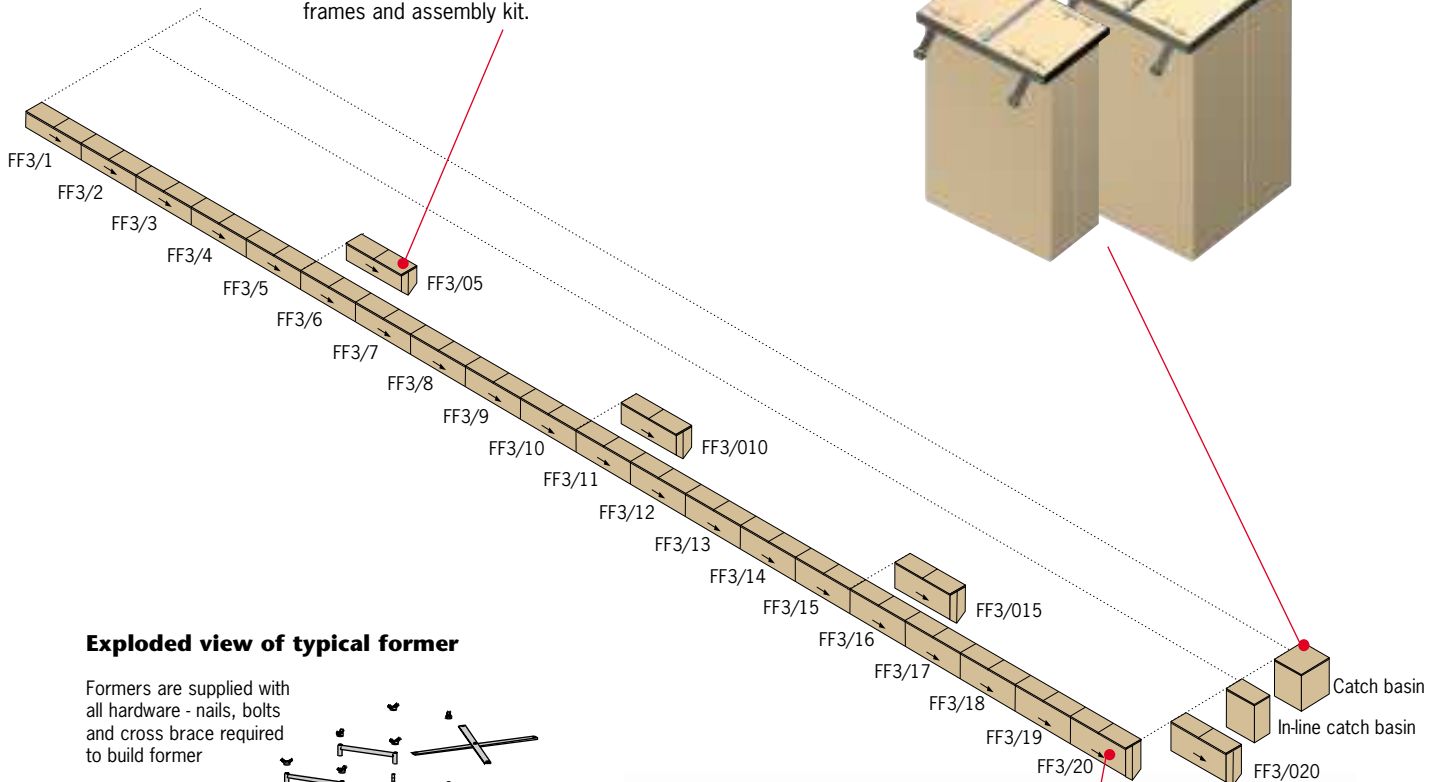
System layout

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.

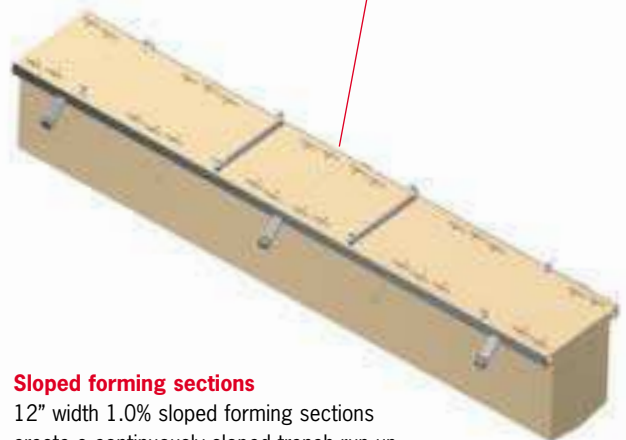
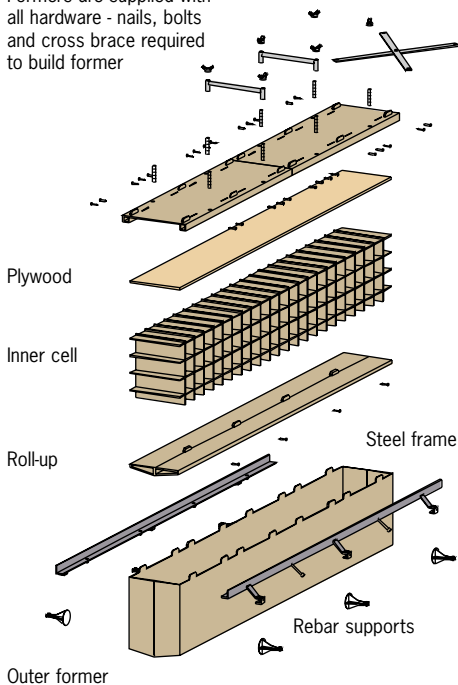
Catch basins

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

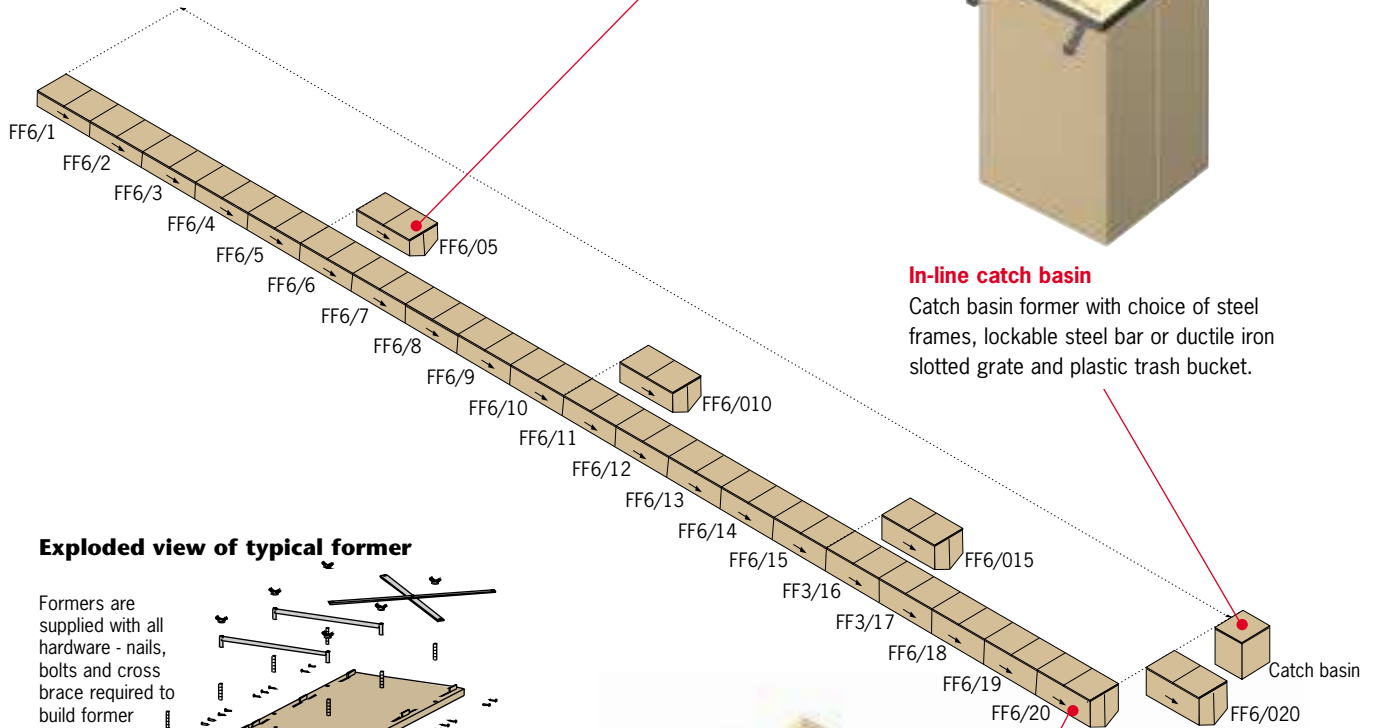
Neutral forming sections

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.



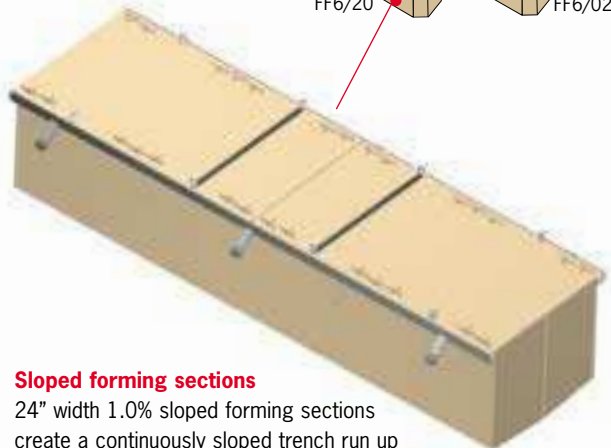
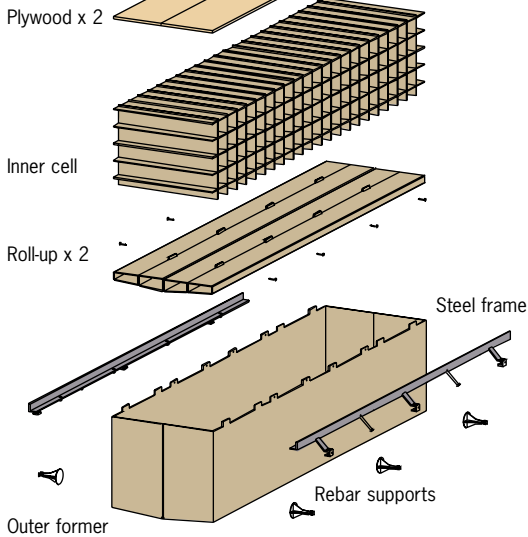
In-line catch basin

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

 **ACO drain**

