

- 3. 8" Min between holes Type 205 and smaller
- 4. 12" Min between holes, Type 206 and larger
- 5. Max hole size ≤ MH diameter-12"

Precasters may provide knockout, cored hole or formed hole. For more complex geometry, including pipe slopes ≥ 30%, or pipes not matching crowns, or saddle MHs, consider drawing in 3D, or contacting manufacturer.

Largest holes at 90°

- 2 each at 28" in 48" MH
- 2 each at 32" in 54" MH
- 2 each at 36" in 60" MH
- 2 each at 42" in 72" MH

Sizing

Methodology

- Determine O.D. of allowable pipes
- Lay out all pipes, in same plane, all centerlines intersecting.
- Select MH size where d ≥ 18"
- Add 3" to pipe O.D. and round up to even number for Min hole size.
- Check hole size ≤ MH diameter-12"
- Check distance between holes.
- For more than 3 pipes, calculate angles, Θ, Check ∑Θ ≤180°
- Check channel shelf is 1' Min
- Upsize MH and repeat until criteria 1-5 are met.