



**4 in. Carbon Steel, Cast Gate Valve. Class 300 Rating, Flanged Connection 8 (CR13/HF) Trim, Outside Stem & Yoke (OSY)**

Item No. M100420 UOM EA

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**Specifications**

|                |                           |
|----------------|---------------------------|
| Type           | Gate Valve                |
| Item Remarks   | Outside Stem & Yoke (OSY) |
| Size           | 4 in.                     |
| Material       | Steel                     |
| Material Grade | Carbon Steel, Cast        |
| Trim           | TRIM 8 (CR13/HF)          |
| Pressure Class | Class 300                 |
| Connection     | Flanged                   |
| Specification  | ANSI B16.5                |
| Market         | Commercial                |

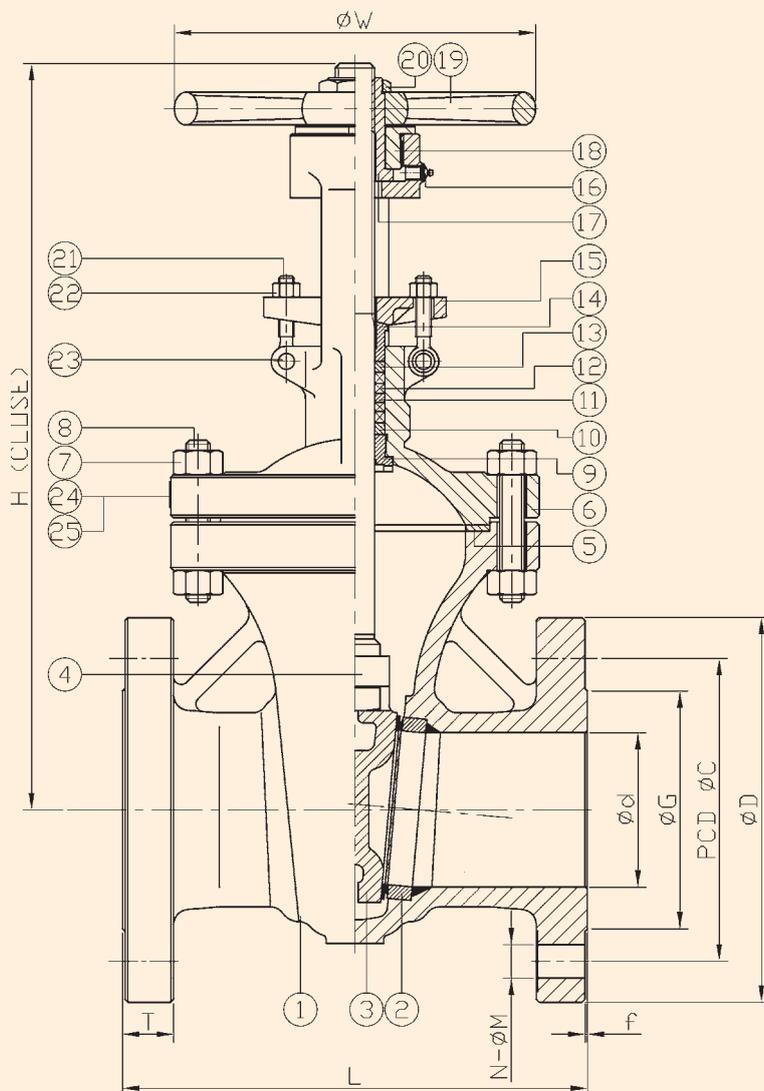
Product URL: <https://torksystems.com/M100420>

# OVC# CS300GT

## Class 300 Carbon Steel Gate Valve

### Features

- Face to face dimensions: ASME B16.10
- Flange end dimensions: ASME B16.5
- Test: API 598
- Design: API 600



| NO. | DESCRIPTION    | MATERIAL           |
|-----|----------------|--------------------|
| 1   | BODY           | ASTM A216-WCB      |
| 2   | SEAT RING      | ASTM A105+STL#6    |
| 3   | WEDGE          | ASTM A216-WCB+Cr13 |
| 4   | STEM           | ASTM A182-F6a      |
| 5   | GASKET         | SS 304 + GRAPHITE  |
| 6   | BONNET         | ASTM A216-WCB      |
| 7   | NUT            | ASTM A194-2H       |
| 8   | STUD           | ASTM A193-B7       |
| 9   | BACK SEAT      | ASTM A276-410      |
| 10  | PACKING A      | GRAPHITE           |
| 11  | SPACER RING    | ASTM A276-410      |
| 12  | PACKING B      | GRAPHITE           |
| 13  | PACKING C      | GRAPHITE           |
| 14  | GLAND          | ASTM A276-410      |
| 15  | GLAND FLANGE   | ASTM A216-WCB      |
| 16  | GREASE FITTING | CARBON STEEL       |
| 17  | STEM BUSHING   | ASTM A439 D-2      |
| 18  | RETAINING NUT  | ASTM A29-1025      |
| 19  | HANDWHEEL      | DUCTILE IRON       |
| 20  | NUT            | ASTM A29-1025      |
| 21  | EYE BOLT       | ASTM A193-B7       |
| 22  | NUT            | ASTM A194-2H       |
| 23  | PIN            | ASTM A29-1025      |
| 24  | NAMEPLATE      | SS 304             |
| 25  | RIVET          | SS 304             |

| NPS    | d   | G     | C     | D     | L      | H     | W     | T    | f    | M    | N  | Weight (lb) |
|--------|-----|-------|-------|-------|--------|-------|-------|------|------|------|----|-------------|
| 2"     | 2   | 3.62  | 5     | 6.5   | 8.5    | 13.78 | 7.87  | 0.91 | 0.06 | 0.75 | 8  | 66.1        |
| 2-1/2" | 2.5 | 4.13  | 5.87  | 7.48  | 9.5    | 15.55 | 7.87  | 1.02 | 0.06 | 0.87 | 8  | 92.6        |
| 3"     | 3   | 5     | 6.63  | 8.27  | 11.125 | 16.97 | 9.84  | 1.14 | 0.06 | 0.87 | 8  | 121.3       |
| 4"     | 4   | 6.18  | 7.87  | 10    | 12     | 19.65 | 9.84  | 1.26 | 0.06 | 0.87 | 8  | 183         |
| 5"     | 5   | 7.32  | 9.25  | 10.98 | 15     | 22.2  | 11.81 | 1.38 | 0.06 | 0.87 | 8  | 238.1       |
| 6"     | 6   | 8.5   | 10.63 | 12.52 | 15.875 | 25.47 | 13.78 | 1.46 | 0.06 | 0.87 | 12 | 302         |
| 8"     | 8   | 10.63 | 12.99 | 15    | 16.5   | 29.8  | 15.75 | 1.65 | 0.06 | 0.98 | 12 | 529.1       |
| 10"    | 10  | 12.76 | 15.26 | 17.52 | 18     | 36.5  | 17.72 | 1.89 | 0.06 | 1.14 | 16 | 734.1       |
| 12"    | 12  | 15    | 17.76 | 20.51 | 19.75  | 42.13 | 19.69 | 2.01 | 0.06 | 1.26 | 16 | 1181.7      |

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