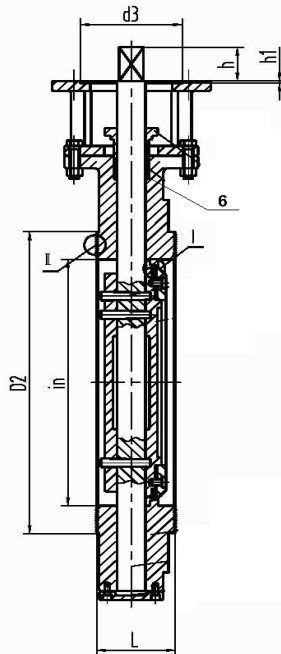
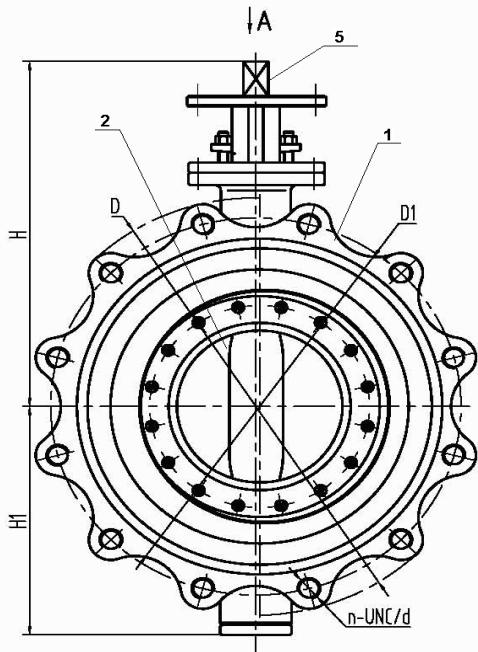
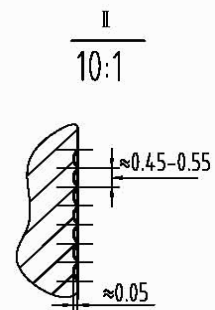
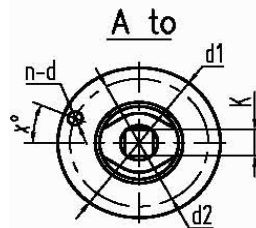
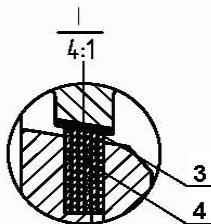


| Size | L | D | D1 | D2 | 4-UNC | H | H1 | h | K | ISO5211 | d1 | d2 | d3 | h1 |
|------|------|-------|-------|-------|----------------|-------|-------|----------|------|---------|-------|-------|-------|-----|
| 8" | 4.02 | 16.50 | 13.75 | 10.63 | 12-1 1/8"-8UNC | 28.15 | 9.29 | 4.33±.39 | 1.42 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 10" | 4.61 | 20.00 | 17.00 | 12.76 | 16-1 1/4"-8UNC | 30.12 | 11.02 | 4.33±.39 | 1.42 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 12" | 5.51 | 22.01 | 19.25 | 15.00 | 20-1 1/4"-8UNC | 34.25 | 12.13 | 4.72±.39 | 1.81 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 14" | 6.10 | 23.78 | 20.75 | 16.26 | 20-1 5/8"-8UNC | 36.22 | 12.99 | 6.30±.39 | 2.17 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 16" | 7.01 | 27.01 | 23.75 | 18.50 | 20-1 5/8"-8UNC | 38.19 | 14.61 | 6.30±.39 | 2.17 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 18" | 7.87 | 29.25 | 25.75 | 20.98 | 20-1 5/8"-8UNC | 40.55 | 15.87 | 6.69±.39 | 2.17 | F25 | 11.81 | 10.00 | 7.87 | 0.2 |
| 20" | 8.50 | 32.01 | 28.50 | 22.99 | 24-1 5/8"-8UNC | 42.52 | 17.4 | 6.69±.39 | 2.95 | F30 | 13.78 | 11.73 | 9.06 | 0.2 |
| 24" | 9.13 | 37.01 | 33.00 | 27.24 | 24-1 7/8"-8UNC | 44.49 | 19.88 | 7.48±.39 | 2.95 | F35 | 16.34 | 14.02 | 10.24 | 0.2 |



| No. | Item | Material | Optional |
|-----|-----------|-----------------|---|
| 1 | Body | WCB/316SS/304SS | Duplex |
| 2 | Disc | 316SS/304SS | Stellite/Duplex |
| 3 | Seat | .13Cr | Stellite |
| 4 | Seat Ring | 316SS+Graphoil | Stellite+Graphoil/ 304SS+Graphoil/ .13Cr+Graphoil |
| 5 | Shaft | 17-4PhSS | 316SS/Monel |
| 6 | Packing | Graphoil | Consult Factory |
| 7 | Bearings | SS+Nitrate | Consult Factory |

| | | |
|----------------------|---------------------|-------------------|
| Design | API 607 6th Edition | |
| Flange | ANSI B16.5 | |
| Test | API 598 | |
| Torque In-lbs | | |
| 8" | 47795 | 16" 167921 |
| 10" | 61603 | 18" 270291 |
| 12" | 74348 | 20" 403606 |
| 14" | 100759 | 24" 584166 |



| | |
|------------------|---------------------|
| VALVE | Lug Torque Seated |
| PRESSURE RATING | ANSI 600 |
| CUSTOMER/PROJECT | |
| SPECIFICATION | API 607 6th Edition |
| CERTIFIED BY | J.D. & K.M. |

DIMENSIONAL DATA SHEET
Series 78
Lug Torque Seated Triple Offset Butterfly Valve

Size 8" - 24"

| | |
|--------------------------|----------|
| PART NO. | |
| DRAWING NO. FL78-2600 | REV A |
| DATE 5/18/2012 | |