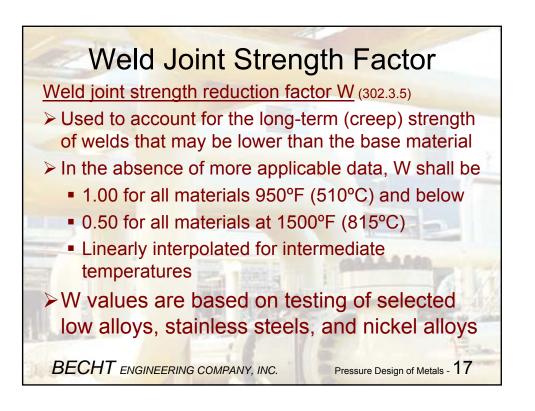
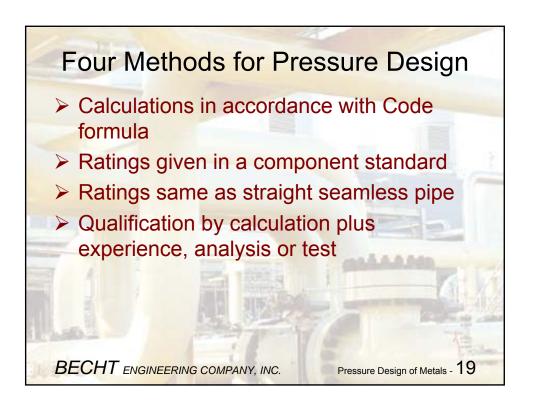
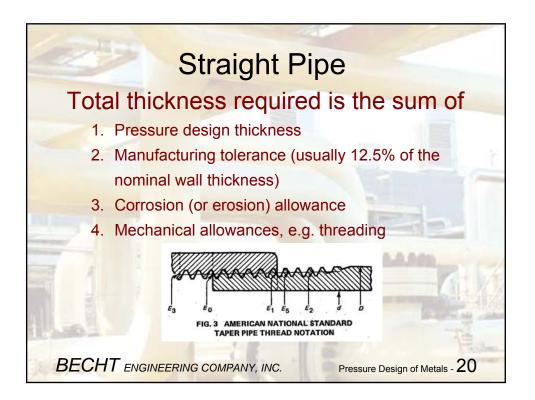


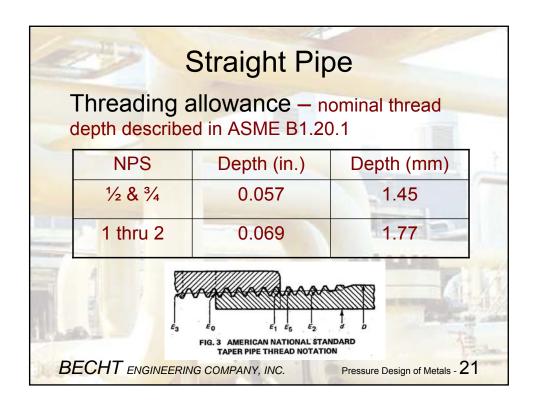
| Type of Weld                     | Factor (Table 302.2.4) |  |
|----------------------------------|------------------------|--|
| None (seamless)                  | 1.00                   |  |
| Electric Resistance Weld         | 0.85                   |  |
| Furnace Butt Weld                | 0.60                   |  |
| Sing <mark>le Fusion Weld</mark> | 0.80 to 1.00*          |  |
| Double Fusion Weld               | 0.85 to 1.00*          |  |
| API 5L SAW, GMAW                 | 0.95                   |  |

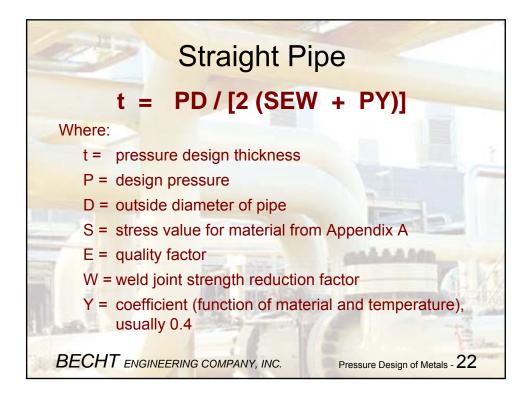




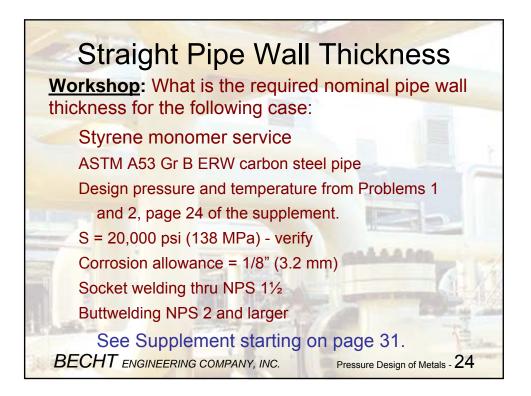




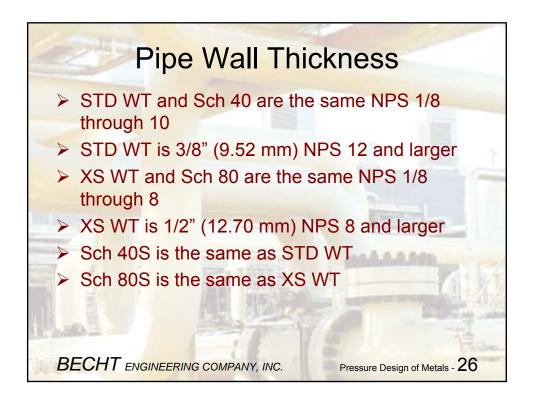


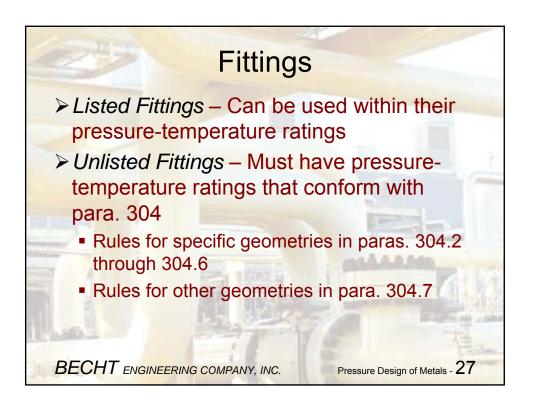


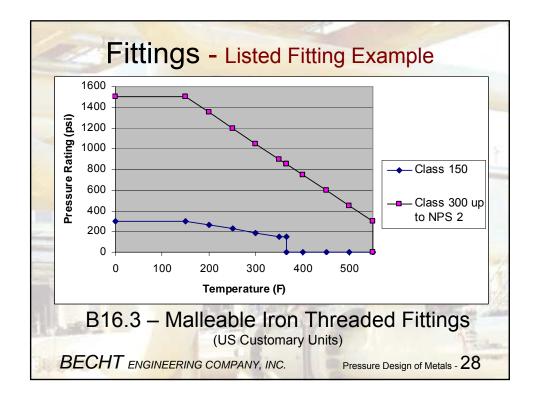
| Coefficient Y              |                  |                |                 |                 |                 |                    |
|----------------------------|------------------|----------------|-----------------|-----------------|-----------------|--------------------|
|                            | ≤900°F<br>≤482°C | 950°F<br>510°C | 1000°F<br>538°C | 1050°F<br>566°C | 1100°F<br>593°C | ≥1150°F<br>≥ 621°C |
| Ferritic<br>Steels         | 0.4              | 0.5            | 0.7             | 0.7             | 0.7             | 0.7                |
| Austenitic<br>Steels       | 0.4              | 0.4            | 0.4             | 0.4             | 0.5             | 0.7                |
| Other<br>Ductile<br>Metals | 0.4              | 0.4            | 0.4             | 0.4             | 0.4             | 0.4                |
| Cast Iron                  | 0.0              |                |                 | 7-              | ¥               | to the             |

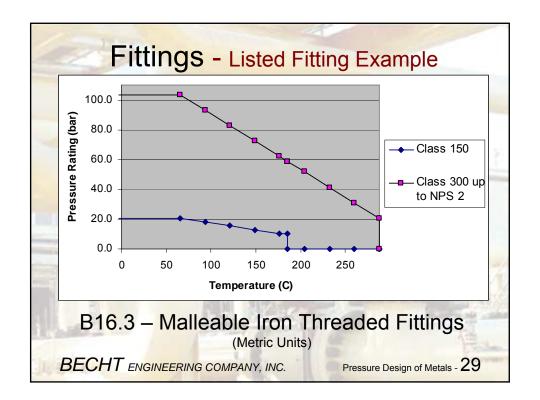


| Pipe W          | all Thicl                   | knesses              | -           |
|-----------------|-----------------------------|----------------------|-------------|
| Carbon<br>Steel | Also for<br>Carbon<br>Steel | Stainless<br>Steel   |             |
| STD WT          | Sch 10                      | Sch 5S               |             |
| XS WT           | Sch 20                      | Sch 10S              |             |
| XXS WT          | Sch 30                      | Sch 40S              |             |
|                 | Sch 40                      | Sch 80S              | -           |
|                 | Sch 60                      | 1                    | AV.         |
|                 | Sch 80                      | -                    |             |
|                 | Sch 160                     | 12                   |             |
|                 | COMPANY, INC.               | Pressure Design of M | letals - 25 |

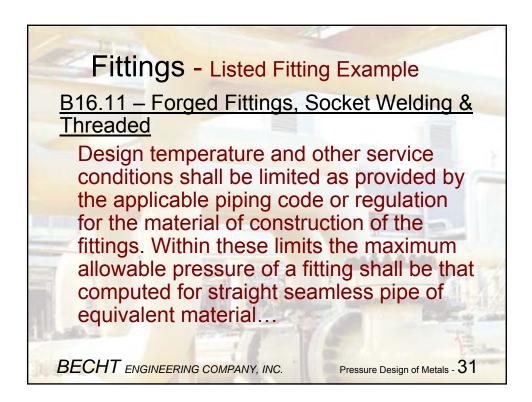












| B16.11 – For<br>Threaded The | ged Fittings, se schedule of | d Fitting Exa<br>Socket Weldir<br>pipe correspondent<br>ping purposes | ng &<br>onding to            |
|------------------------------|------------------------------|---|------------------------------|
| Class                        | Thd/SW                       | Sch No.   | Wall                         |
| 2000                         | Thd                          | 80  | XS                           |
| 3000                         | Thd                          | 160   |                              |
| 6000                         | Thd                          |   | XXS                          |
| 3000                         | SW                           | 80  | XS                           |
| 6000                         | SW                           | 160   |                              |
| 9000                         | SW                           |   | XXS                          |
|                              | EERING COMPANY, IN           | IC. Pressure I  | Design of Metals - <b>32</b> |

