

**Quality** 303  
**According to Standard** ASTM A 582/A 582M - 06  
**Number** -



| Comparable Standards | EN           | W.N.   | BS     |
|----------------------|--------------|--------|--------|
|                      | X10CrNiS18-9 | 1.4305 | 303S31 |

| Chemical Analysis | C %  | Mn %      | Si % | P%        | Cr %         | Ni %        |
|-------------------|------|-----------|------|-----------|--------------|-------------|
|                   | 0.15 | 2.00      | 1.00 | 0.20 max. | 17.0 to 19.0 | 8.0 to 10.0 |
|                   | Mo % | S%        |      |           |              |             |
|                   | -    | 0.15 min. |      |           |              |             |

**Hot Work and Heat Treatment**

| Type | Condition A<br>(Annealed) | Condition T<br>(Intermediate Temper) | Condition H<br>(Hard Temper) |
|------|---------------------------|--------------------------------------|------------------------------|
| 303  | A                         | -                                    | -                            |

**Mechanical Properties at Room Temperature**

| Types | Condition | Hardness <sup>A</sup><br>(HB) |
|-------|-----------|-------------------------------|
| 303   | A         | 262 max                       |