

The Cutting Edge Source  
For Your Metal Needs

| Alloy / Temper | Specified Thickness Range | Ultimate |       | Yield |      | Elongation Percent<br>Min. in 2 in. or 4D |
|----------------|---------------------------|----------|-------|-------|------|---|
|                |                           | Min.     | Max.  | Min.  | Max. |   |
| 3105 / O       | .013-.019                 | 14       | 21    | 5     | ---- | 16  |
|                | .020-.031                 | 14       | 21    | 5     | ---- | 18  |
|                | .032-.080                 | 14       | 21    | 5     | ---- | 20  |
| 3105 / H12     | .017-.019                 | 19       | 26    | 15    | ---- | 1   |
|                | .020-.031                 | 19       | 26    | 15    | ---- | 1   |
|                | .032-.050                 | 19       | 26    | 15    | ---- | 2   |
|                | .051-.080                 | 19       | 26    | 15    | ---- | 3   |
| 3105 / H14     | .013-.019                 | 22       | 29    | 18    | ---- | 1   |
|                | .020-.031                 | 22       | 29    | 18    | ---- | 1   |
|                | .032-.050                 | 22       | 29    | 18    | ---- | 2   |
|                | .051-.080                 | 22       | 29    | 18    | ---- | 2   |
| 3105 / H16     | .013-.031                 | 25       | 32    | 21    | ---- | 1   |
|                | .032-.050                 | 25       | 32    | 21    | ---- | 2   |
|                | .051-.080                 | 25       | 32    | 21    | ---- | 2   |
| 3105 / H18     | .013-.031                 | 28       | ----- | 24    | ---- | 1   |
|                | .032-.050                 | 28       | ----- | 24    | ---- | 1   |
|                | .051-.080                 | 28       | ----- | 24    | ---- | 2   |
| 3105 / H25     | .013-.019                 | 23       | ----- | 19    | ---- | 2   |
|                | .020-.031                 | 23       | ----- | 19    | ---- | 3   |
|                | .032-.050                 | 23       | ----- | 19    | ---- | 4   |
|                | .051-.080                 | 23       | ----- | 19    | ---- | 6   |

### Recommended Minimum Bend Radii for 90-Degree Cold Forming of Sheet & Plate

| Temper | 1/64 in. | 1/32 in. | 1/16 in. | 1/8 in. | 3/16 in. | 1/4 in. | 3/8 in. | 1/2 in. |
|--------|----------|----------|----------|---------|----------|---------|---------|---------|
| H25    | 1/2t     | 1/2t     | 1/2t     | ---     | ---      | ---     | ---     | ---     |