

## DATA SHEET - Material 1.4401 / 1.4404 for steel balls

### **Material 1.4401**

- X5CrNiMo17-12, INOX AISI 316, INOX V4A

#### Chemical composition:

|      | C %  | Si % | Mn % | Cr % | Ni % | Mo % | P %   | S %   | N %  |
|------|------|------|------|------|------|------|-------|-------|------|
| min. | ---  | ---  | ---  | 16,5 | 10,0 | 2,0  | ---   | ---   | ---  |
| max. | 0,07 | 1,00 | 2,00 | 18,5 | 13,0 | 2,5  | 0,045 | 0,015 | 0,11 |

### **Material 1.4404**

- X2CrNiMo17-12, INOX AISI 316L, INOX V4A

#### Chemical composition:

|      | C %  | Si % | Mn % | Cr % | Ni % | Mo % | P %   | S %   | N %  |
|------|------|------|------|------|------|------|-------|-------|------|
| min. | ---  | ---  | ---  | 16,5 | 10,0 | 2,0  | ---   | ---   | ---  |
| max. | 0,03 | 1,00 | 2,00 | 18,5 | 13,0 | 2,5  | 0,045 | 0,015 | 0,11 |

According to DIN EN 10088-3

Hardness: HRC 25 - 39  
280 / 380 HV10  
soft-annealed – 75 / 90 HRB

Spec. weight: 8,0 g /cm<sup>3</sup>

#### **Characteristics:**

**Not hardenable austenitic inox, excellent resistance to corrosion (apart of chloridric acids), not magnetic.**

**Material 1.4404 has a higher corrosion resistance than material 1.4401.**

#### **Application areas:**

**Very aggressive applications without mechanical efforts.**

**Qualities according to ISO 3290 and DIN 5401: G40 to G700**



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