

## DATA SHEET - Material 1.4301 / 1.4306 for steel balls

### Material 1.4301

– X5CrNi18-10, INOX AISI 304, INOX V2A

#### Chemical composition:

	C %	Si %	Mn %	Cr %	Ni %	P %	S %	N %
min.	---	---	---	17,5	8,0	---	---	---
max.	0,07	1,00	2,00	19,5	10,5	0,045	0,015	0,11

### material 1.4306

- X2CrNi19-11, INOX AISI 304L, INOX V2A

#### Chemical composition:

	C %	Si %	Mn %	Cr %	Ni %	P %	S %	N %
min.	---	---	---	18,0	10,0	---	---	---
max.	0,03	1,00	2,00	20,0	12,0	0,045	0,015	0,11

According to DIN EN 10088-3

**Hardness: HRC 25 - 39**  
**280 / 380 HV10**  
**softly glowid – 75 / 90 HRB**

**Spec. weight: 7,972 g /cm<sup>3</sup>**

#### **Characteristics:**

**Not hardenable austenitic inox, very good resistance to corrosion (apart of solforic and chloridric acids), much little magnetic**

**Material 1.4306 has a higher corrosion resistance than 1.4301**

**Application areas:**  
**Aggressive applications without mechanical efforts.**

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