# **Metal Alloys**



If it's about precision, it's O'Keefe.

O'Keefe Controls Co. is a quality-conscious organization that puts customer satisfaction at the forefront of everything it does. This is why we take great care to ensure that our systems and methodologies conform to the most pertinent standards, guidelines and requirements for manufacturing, service, environmental stewardship and above all, humanitarian concerns. This has been a cornerstone of our mission since the company was founded.

### **REACH, RoHS 3 and Conflict Minerals**

O'Keefe Controls Co. uses metal alloys in its manufactured products.

O'Keefe Controls Co. does not produce the metal alloys used in its manufactured products.

We purchase metal alloys from reputable vendors who are concerned, like we are, about quality, consistency and corporate responsibility.

The principle metal alloys we use in our manufactured products are 303 Stainless Steel, 316 Stainless Steel, and CA360 Brass.

The sources we purchase 303 Stainless Steel and 316 Stainless Steel from certify these materials are RoHS 3 and REACH compliant.

In regard to Conflict Minerals, the 303 Stainless Steel and 316 Stainless Steel we source is free from tin, tungsten, tantalum and gold.

The sources we purchase CA360 Brass from declare this metal alloy is compliant with RoHS 3 as exempted under Annex III Exemption 6(c) which lists copper alloys containing up to 4% lead.

In regard to REACH, the sources we purchase CA360 Brass from have advised that the brass alloy products contain >0.1% of lead in their chemical composition. No other SVHC's are found in the CA360 Brass.

In regard to Conflict Minerals, the CA360 Brass we source is free from tin, tungsten, tantalum and gold.

Our FFRO series is made from cast brass (aka red brass) and is not RoHS 3 compliant; it has a lead content that exceeds the exemption. In regard to REACH, the FFRO series contains >0.1% of lead in its chemical composition. No other SVHC's are found in the FFRO series.

O'Keefe Controls Co. considers our supply chain as proprietary and confidential, but are pleased to provide the above information.

#### **Regulation Descriptions**

#### **REACH** – Registration, Evaluation, Authorization and Restriction of Chemicals

A regulation of the European Union, REACH addresses the production and use of chemical substances, and their potential impacts on both human health and the environment.

## **RoHS** – Restriction of Use of Hazardous Substances

RoHS regulations limit or ban specific substances — lead, cadmium, polybrominated biphenyl (PBB), mercury, hexavalent chromium, and polybrominated diphenyl ether (PBDE) flame retardants — in new electronic and electric equipment.

#### **Conflict Minerals Rule**

Concern that proceeds from the mining of tin, tungsten, tantalum and gold have been used to fund extreme violence in the Democratic Republic of the Congo (DRC) led to a requirement in the U.S. Dodd-Frank Financial Reform Law of 2010, that U.S. publicly-traded companies must disclose any "conflict minerals" necessary to the functionality or production of products they manufacture or contract to manufacture.

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