



**International
Standard**

ISO 6021

Firebrand generator

First edition

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Foreword

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This document was prepared by Technical Committee ISO/TC 92, *Fire safety*.

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Introduction

Large outdoor fires present a risk to the built environment. Wildfires that spread into communities, referred to as wildland-urban interface (WUI) fires, have destroyed communities throughout the world and are a growing problem in fire safety science. Other examples are large urban fires, including those that have occurred after earthquakes. Over the past several decades, fire safety science research has invested a great deal of effort into understanding fire dynamics within buildings. Research into large outdoor fires, and how to potentially mitigate the loss of structures in such fires, lags behind other areas of fire safety science research. Once a wildland fire reaches a community and ignites structures, structure-structure fire spread can occur under similar mechanisms as in urban fire spread. Firebrand showers are a main driver of fire spread in large outdoor fires but there is no accepted internationally harmonized device to generate firebrand showers. The purpose of this document is to provide a solution for such harmonization. Within this document, the firebrand generator described is a stand-alone device.

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