

# RTJ-GASKETS WITH OSCULATING RADIUS (SOFT IRON, OVAL)

8330RJ01

The oval shape can be used in flange connections with RTJ groove [flank angle 23°] in accordance with the above-mentioned standards. When the flanges are clamped, the spherical surface of the gasket is pressed against the conical surface of the flanges, creating a linear contact between the flange and the gasket. As the assembly force increases, the metal ring is further deformed and thus the contact surface is widened; the size of the sealing surface therefore depends on the assembly force applied; the oval shape is preferred for low bolt forces and varying radial expansion/offset.



## Standards

ASME B 16.20/ASME B 16.5/EN 12560-5/EN 1759-1

## Material data

Material number	1.0335
Material Name	DD13
Material designation [alternative]	STW24
Technical delivery conditions	DIN EN 10111

## Surface hardness

Brinell HB max	90
Rockwell HRB max	56

This datasheet on the internet: <https://idt-gaskets.com/products/gaskets/62ebdc80a89c3ed48>

General information: All information given in this Technical Information sheet represents our current level of knowledge and serves as information on our products and their respective scopes. It is not meant to ensure any particular properties of any product or the suitability of any product for any specific application, neither does it create any liability on our part. © Copyright by IDT

Essen: +49 201 855110 · Annaberg-Buchholz: +49 3733 5050 · München: +49 89 9918830  
Further sealing systems and technical information can be found [idt-gaskets.com](http://idt-gaskets.com)

Last Changed 2025-12-02