

# 5. RING JOINT GASKETS

## PROPERTIES AND APPLICATION

The metallic ring joint gaskets are manufactured according to the API 6 and ASME B16.20 standards for application at elevated temperatures and pressures. The small sealing area with high contact pressure results in great reliability. The contact surfaces of the gaskets and flange should be carefully processed. Some types of ring-joints are pressure activated, that is, the greater the pressure the better the sealability.

## ADVANTAGES

The metal ring joint gaskets have been designed to withstand exceptionally high assembly loads over a small area, thus producing high seating stresses.

## SHAPE AND CONSTRUCTION

The TESNILA ring joint gaskets are produced in several shapes and sizes to meet the most demanding applications.

## STANDARD MATERIALS

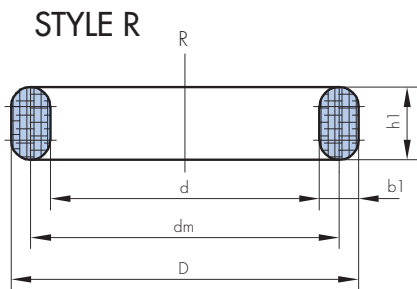
Standard materials recommended by the ANSI B16.20					
ASTM	DIN	Material.No.	Maximum HB	Maximum HV	Material code
Soft Iron		1.1003	90	56	D
Low CS		1.0038	120	68	S
4-6 Cr 1/2 Mo		1.7362	130	72	F5
AISI 410		1.4000	170	86	S 410
AISI 304		1.4301	160	83	S 304
AISI 316		1.4401	160	83	S 316
AISI 347		1.4550	160	83	S 347

## DIMENSIONS

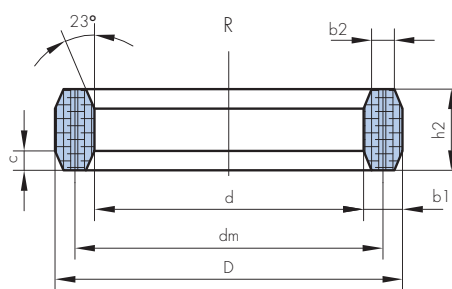
STANDARDS FOR RING JOINTS GASKETS USED WITH FLANGES		
Ring Joints Gaskets style	Ring Joints Gaskets Standard	Flange Standard
R	ASME B 16.20 API 6A	ANSI B 16.5 ANSI B 16.47 series A
RX	ASME B 16.20 API 6A	API 6B
BX	API 6A	API 6BX

## GASKET ORDERING EXAMPLE

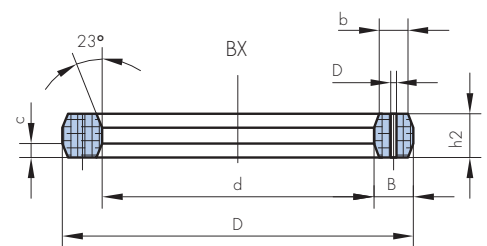
RING-JOINT GASKET API 6A, R30-oval,  
material AISI 321



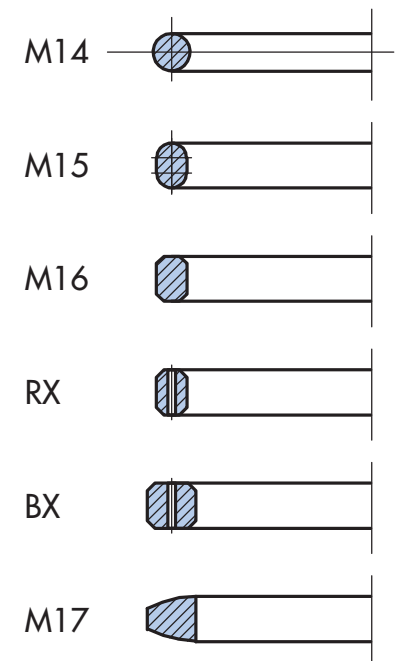
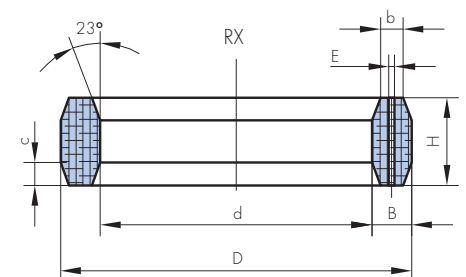
OVAL SECTION



OCTAGONAL SECTION



STYLE RX



STYLE BX



