

KDAE

TENUTA PISTONE COMPATTA TIPO KDAE

Descrizione

La tenuta pistone compatta KDAE nasce con un elemento centrale in poliuretano ad alto modulo elastico e due anelli antiestrusione laterali in elastomero con elevata durezza. Grazie alla combinazione dei due materiali, la tenuta rimane molto stabile anche alle alte pressioni. L'abrasione, con l'utilizzo del poliuretano, risulta di gran lunga inferiore a quella della gomma e accresce la durata del pistone stesso. L'attrito di primo distacco e in esercizio, grazie allo speciale profilo geometrico della tenuta, è più performante rispetto alla guarnizione in NBR.

Dati tecnici

Pressione: da 0 a 400 bar
Velocità: ‹ 0,8 m/s
Temperatura: da – 30° C a + 100° C con punte fino a 110° C
Fluidi: oli a base minerale (v. tabella 3 a p. 14)

Materiale

Il materiali utilizzati per la costruzione di questa tenuta sono:

- poliuretano di durezza 93 Shore A. Codice materiale tipo Co per l'elemento centrale
- poliacetalica caricata vetro (POM) per gli anelli antiestrusione laterali.

Codice materiale: CR

Montaggio

Il montaggio di questa tenuta è eseguibile sia in cava chiusa su pistone monoblocco sia in cava aperta su pistone in due pezzi (consigliato da Artic Seals). È importante che il pistone non presenti bave di lavorazione meccanica che danneggerebbero la tenuta durante il montaggio. È inoltre consigliato ingrassare il pistone per facilitare il montaggio.

KDAE TYPE COMPACT PISTON SEAL

Description

The KDAE compact piston seal series type is designed with a central polyurethane element and two side anti extrusion rings.
The assembling between the polyurethane element with high elastic modulus and the two elastomer rings with high hardness enhances stability of the sealing even at heavy duty applications.
Compared to rubber, the abrasion is also reduced due to the use of polyurethane, therefore extending the life of the seal.
The friction (first operation and in working condition) is also considerably reduced, due to geometric shape of the seal, having better performance than NBR.

Technical data

Pressure: *from 0 to 400 bar*
Speed: *‹ 0.8 m/s*
Temperature: *from – 30° C to + 100 ° C with peaks up to + 110° C*
Fluids: *mineral oils (see table 3, page 14)*

Material

The materials used for the construction of this type of seal are:

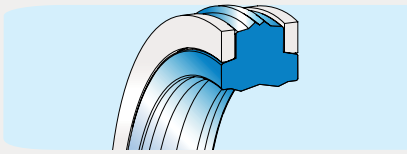
- *polyurethane for the central element, hardness 93 Shore A (Co)*
- *glass-filled polyacetal resin (POM) for the antiextrusion rings.*

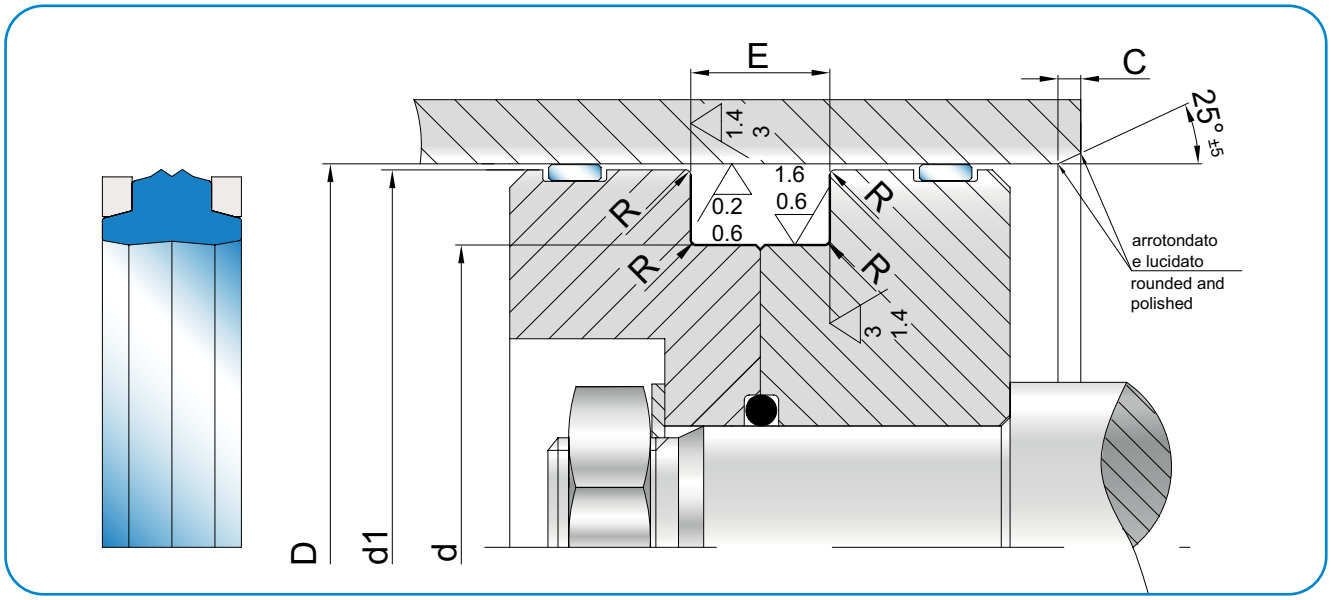
Compound reference: CR

Assembling

This seal can be assembled both in closed groove ona mono-block piston and (Artic Seals suggestion) in open groove on a two-part piston.
Avoid machining scores on the piston which may damage the sealing during the installation.
The use of grease in the piston is recommended for easier assembling.

KDAE





D_{H9}	d_{h9}	$E_{+0,2}$	C	ART / *ITEM*
50,0	36,0	9,0	4,0	KDAE 0500 0360 090 CR
50,0	38,0	10,0	4,0	KDAE 0500 0380 100 CR
55,0	41,0	9,0	4,0	KDAE 0550 0410 090 CR
60,0	46,0	9,0	4,0	KDAE 0600 0460 090 CR
63,0	48,0	11,0	4,0	KDAE 0630 0480 110 CR
63,0	51,0	10,0	4,0	KDAE 0630 0510 100 CR
65,0	50,0	11,0	4,0	KDAE 0650 0500 110 CR
70,0	53,0	14,0	4,0	KDAE 0700 0530 140 CR
70,0	55,0	11,0	4,0	KDAE 0700 0550 110 CR
75,0	60,0	11,0	4,0	KDAE 0750 0600 110 CR
80,0	63,0	14,0	4,0	KDAE 0800 0630 140 CR
80,0	65,0	11,0	4,0	KDAE 0800 0650 110 CR
85,0	70,0	11,0	4,0	KDAE 0850 0700 110 CR
90,0	73,0	14,0	5,0	KDAE 0900 0730 140 CR
90,0	75,0	11,0	5,0	KDAE 0900 0750 110 CR

D_{H9}	d_{h9}	$E_{+0,2}$	C	ART / *ITEM*
95,0	80,0	11,0	5,0	KDAE 0950 0800 110 CR
100,0	83,0	14,0	5,0	KDAE 1000 0830 140 CR
100,0	85,0	12,5	5,0	KDAE 1000 0850 125 CR
105,0	88,0	14,0	5,0	KDAE 1050 0880 140 CR
105,0	90,0	12,5	5,0	KDAE 1050 0900 125 CR
110,0	93,0	14,0	5,0	KDAE 1100 0930 140 CR
110,0	95,0	12,5	5,0	KDAE 1100 0950 125 CR
115,0	98,0	14,0	5,0	KDAE 1150 0980 140 CR
115,0	100,0	12,5	5,0	KDAE 1150 1000 125 CR
120,0	103,0	14,0	5,0	KDAE 1200 1030 140 CR
120,0	105,0	12,5	5,0	KDAE 1200 1050 125 CR
125,0	108,0	14,0	5,0	KDAE 1250 1080 140 CR

Nota: altre dimensioni non a catalogo a richiesta. Consultare il nostro ufficio tecnico.

Remark: please contact our technical dept. for further dimensions not included in the catalogue.