

KDAE

TENUTA PISTONE COMPATTA TIPO KDAE

Descrizione

Sempre tra le tenute pistone compatte, la guarnizione KDAE nasce con un elemento centrale in poliuretano e due anelli antiestrusione ai lati. L'assemblaggio combinato del poliuretano ad alto modulo elastico, con due anelli in elastomero con elevata durezza, rendono la tenuta molto stabile anche alle alte pressioni. Paragonata alla gomma, l'abrasione risulta molto inferiore con l'utilizzo del poliuretano aumentandone in questo caso la durata del pistone stesso. L'attrito di primo distacco ed in esercizio, per lo speciale profilo geometrico della tenuta, è maggiormente 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
 (vedi tabella 1 a pagina 12)

Materiale

I materiali utilizzati per la costruzione di questo tipo di tenuta sono i seguenti :

- elemento centrale in poliuretano di durezza 93 Shore A Codice materiale tipo C0.
- gli anelli antiestrusione laterali in termoplastico di durezza 63 Shore D Codice materiale tipo L2

Codice materiale: CR

Montaggio

Il montaggio di questa tenuta può essere eseguito sia in cava chiusa su pistone monoblocco, sia in cava aperta su pistone in due pezzi. E' importante che il pistone non presenti bave di lavorazione meccanica che andrebbero a danneggiare la tenuta durante il montaggio. E' 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 1, page 12)*

Material

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

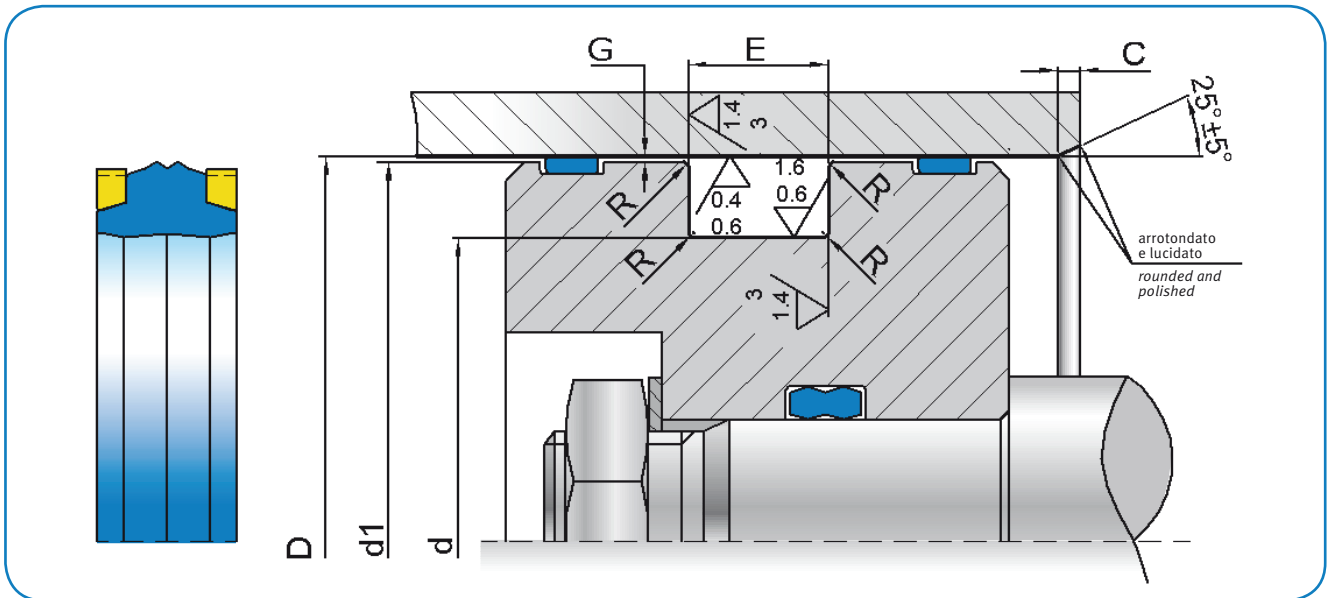
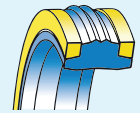
- polyurethane for the central element, hardness 93 Shore A (C0)
- the backup rings in TPE elastomer 63 Shore D (L2).

Compound reference: CR

Assembling

This seal can be assembled both in closed groove on a mono-block piston and 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.

PSA
PAE
PSH
RR
PSO
PSQ
TPD
KDSA
KDSB
KDSP
KDAE

OLEODINAMICA
HYDRAULIC