

KDSB

TENUTA PISTONE COMPATTA TIPO KDSB

Descrizione

La tenuta pistone compatta tipo KDSB è costituita da un elemento centrale in gomma nitrilica che esercita la funzione di tenuta, da due supporti laterali all'elemento in gomma che agiscono da anelli antiestrusione e da due guide esterne che mantengono in guida il pistone nel cilindro.

Dati tecnici

Pressione: da 0 a 400
Velocità: ‹ 0.5 m/s
Temperatura: da - 30 °C a +100 °C
Fluidi: oli a base minerale
(v. tabella 3 a p. 14)

Materiale

I materiali utilizzati per questa tenuta sono:

- NBR con durezza 70 Shore A ± 3 per l'elemento centrale
- elastomero termoplastico (TPE) per i supporti laterali
- resina poliacetalica le guide esterne (POM).

Codice materiale standard: CX

Montaggio

Il montaggio può essere eseguito sia in cava chiusa su pistone monoblocco sia in cava aperta su pistone in due pezzi.
L'ordine del montaggio deve essere il seguente:

- elemento in gomma
- supporti
- guide.

È necessario che il pistone non presenti bave di lavorazione meccanica che danneggerebbero l'elemento in gomma durante il montaggio.

KDSB TYPE COMPACT PISTON SEAL

Description

The KDSB compact seal is made of a central unit in NBR working as a seal, two side supports, working as anti extrusion ring, and two external guide rings, keeping aligned the piston in the cylinder.

Technical data

Pressure: *from 0 to 400*
Speed: *‹ 0.5 m/s*
Temperature: *from - 30 °C at +100 °C*
Fluids: *Mineral oils*
(see table 3, page 14)

Material

The compounds used to manufacture this seal type are the following:

- *the central units is made of NBR, the hardness is 70 Shore A ± 3*
- *the sides support are made of a thermoplastic elastomer (TPE)*
- *the external wear rings are made of polyacetal resin (POM).*

Compound reference: CX

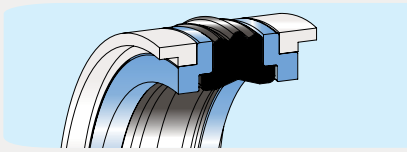
Assembling

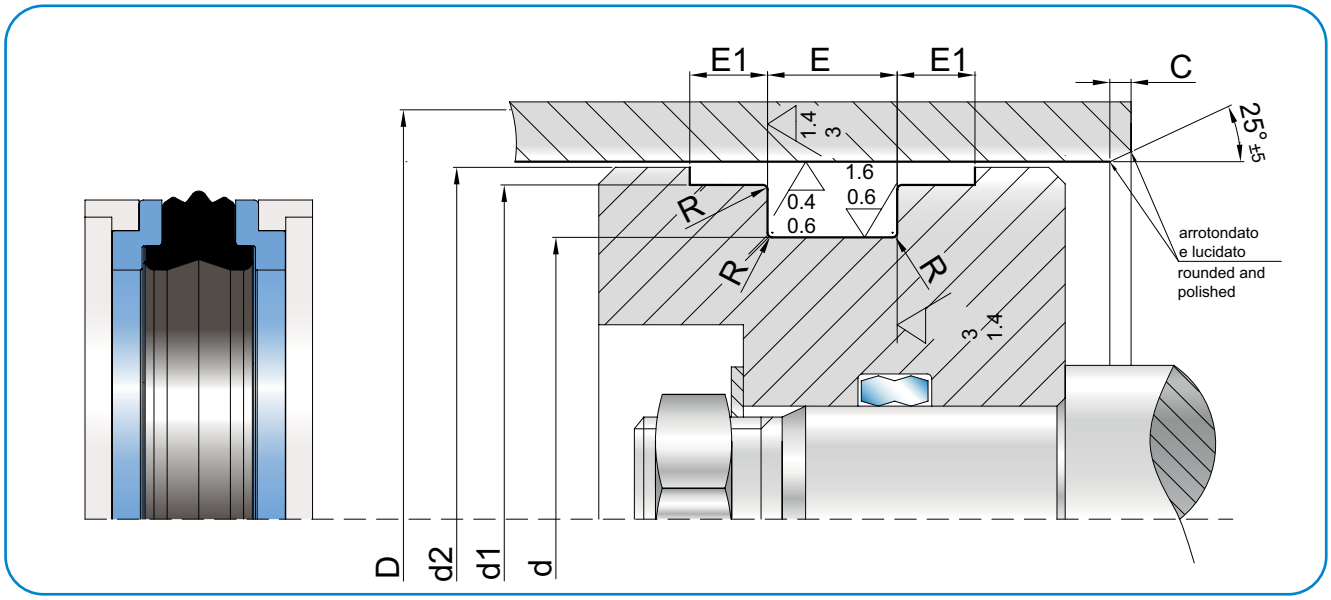
The assembling of this seal can be carried out in either closed groove in a mono-block piston, or in open groove in a two-parts piston.
The assembling has to be done as follows:

- *rubber element*
- *supports*
- *wear rings.*

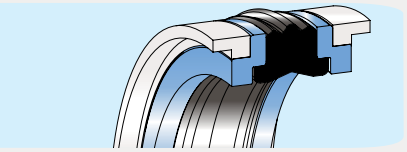
Avoid machining scores on the piston which may damage the rubber unit during the installation.

KDSB





D_{H9}	d_{h9}	$E_{+0,2}$	d_{1h9}	$d_{2\pm0,2}$	$E_{1\ +0,1}$	R	C	ART / *ITEM*				
20,0	11,0	13,5	17,00	19,0	2,10	0,4	3,5	KDSB	0200	0110	135	CX
22,0	13,0	13,5	19,00	21,0	2,10	0,4	3,5	KDSB	0220	0130	135	CX
25,0	15,0	12,0	21,00	23,0	4,00	0,4	3,5	KDSB	0250	0150	120	CX
25,0	15,0	12,5	22,00	24,0	4,00	0,4	3,5	KDSB	0250	0150	125	CX
25,0	15,0	16,4	21,45	23,5	6,35	0,4	3,5	KDSB	0250	0150	164	CX
25,0	16,0	13,5	22,00	24,0	2,10	0,4	3,5	KDSB	0250	0160	135	CX
28,0	19,0	13,5	25,00	27,0	2,10	0,4	3,5	KDSB	0280	0190	135	CX
30,0	21,0	13,5	27,00	29,0	2,10	0,4	3,5	KDSB	0300	0210	135	CX
32,0	22,0	15,5	28,00	31,0	2,60	0,4	3,5	KDSB	0320	0220	155	CX
32,0	22,0	16,4	28,50	30,5	6,35	0,4	3,5	KDSB	0320	0220	164	CX
35,0	25,0	15,5	31,00	34,0	2,60	0,4	3,5	KDSB	0350	0250	155	CX
35,0	25,0	16,4	31,40	33,5	6,35	0,4	3,5	KDSB	0350	0250	164	CX
40,0	24,0	18,4	35,40	38,5	6,35	0,4	4,0	KDSB	0400	0240	184	CX
40,0	26,0	15,5	36,00	39,0	2,60	0,4	4,0	KDSB	0400	0260	155	CX
40,0	30,0	12,5	36,00	38,0	4,00	0,4	4,0	KDSB	0400	0300	125	CX
40,0	30,0	16,4	35,40	38,5	6,35	0,4	4,0	KDSB	0400	0300	164	CX
42,0	28,0	15,5	38,00	41,0	2,60	0,4	4,0	KDSB	0420	0280	155	CX
45,0	29,0	18,4	40,40	43,5	6,35	0,4	4,0	KDSB	0450	0290	184	CX
45,0	31,0	15,5	41,00	44,0	2,60	0,4	4,0	KDSB	0450	0310	155	CX
45,0	35,0	16,4	40,40	43,5	6,35	0,4	4,0	KDSB	0450	0350	164	CX
50,0	34,0	18,4	45,40	48,5	6,35	0,4	4,0	KDSB	0500	0340	184	CX
50,0	34,0	20,5	46,00	49,0	3,10	0,4	4,0	KDSB	0500	0340	205	CX
55,0	39,0	18,4	50,36	53,5	6,35	0,4	4,0	KDSB	0550	0390	184	CX
55,0	39,0	20,5	51,00	54,0	3,10	0,4	4,0	KDSB	0550	0390	205	CX
56,0	40,0	20,5	52,00	55,0	3,10	0,4	4,0	KDSB	0560	0400	205	CX
60,0	44,0	18,4	55,40	58,5	6,35	0,4	4,5	KDSB	0600	0440	184	CX
60,0	44,0	20,5	56,00	59,0	3,10	0,4	4,5	KDSB	0600	0440	205	CX

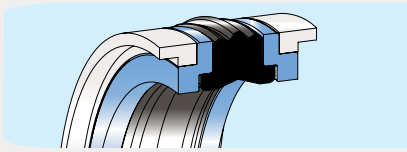


KDSB

D_{H9}	d_{h9}	$E_{+0,2}$	d_{1h9}	$d_{2\pm0,2}$	$E_{1\ +0,1}$	R	C	ART / *ITEM*				
63,0	47,0	18,4	58,40	61,5	6,35	0,4	4,5	KDSB	0630	0470	184	CX
63,0	47,0	19,4	58,40	61,5	6,35	0,4	4,5	KDSB	0630	0470	194	CX
63,0	47,0	20,5	59,00	62,0	3,10	0,4	4,5	KDSB	0630	0470	205	CX
65,0	49,0	20,5	61,00	64,0	3,10	0,4	4,5	KDSB	0650	0490	205	CX
65,0	50,0	18,4	60,40	63,5	6,35	0,4	4,5	KDSB	0650	0500	184	CX
65,0	53,0	20,5	61,0	63,5	4,10	0,4	4,5	KDSB	0650	0530	205	CX
70,0	50,0	22,4	64,20	68,3	6,35	0,4	4,5	KDSB	0700	0500	224	CX
70,0	54,0	20,5	66,00	69,0	3,10	0,4	4,5	KDSB	0700	0540	205	CX
75,0	55,0	22,4	69,20	73,3	6,35	0,4	4,5	KDSB	0750	0550	224	CX
75,0	59,0	20,5	71,00	74,0	3,10	0,4	4,5	KDSB	0750	0590	205	CX
80,0	60,0	22,4	74,15	78,3	6,35	0,4	4,5	KDSB	0800	0600	224	CX
80,0	62,0	22,5	76,00	79,0	3,60	0,4	4,5	KDSB	0800	0620	225	CX
85,0	65,0	22,4	79,15	83,3	6,35	0,4	4,5	KDSB	0850	0650	224	CX
90,0	70,0	22,4	84,15	88,3	6,35	0,4	4,5	KDSB	0900	0700	224	CX
90,0	72,0	22,5	86,00	89,0	3,60	0,4	4,5	KDSB	0900	0720	225	CX
95,0	75,0	22,4	89,15	93,3	6,35	0,4	4,5	KDSB	0950	0750	224	CX
100,0	75,0	22,4	93,15	98,0	6,35	0,4	5,0	KDSB	1000	0750	224	CX
100,0	82,0	22,5	96,00	99,0	3,60	0,4	5,0	KDSB	1000	0820	225	CX
105,0	80,0	22,4	98,10	103,0	6,35	0,4	5,0	KDSB	1050	0800	224	CX
110,0	85,0	22,4	103,10	108,0	6,35	0,4	5,0	KDSB	1100	0850	224	CX
110,0	92,0	22,5	106,00	109,0	3,60	0,4	5,0	KDSB	1100	0920	225	CX
115,0	90,0	22,4	108,10	113,0	6,35	0,4	5,0	KDSB	1150	0900	224	CX
115,0	97,0	22,5	111,00	114,0	3,60	0,4	5,0	KDSB	1150	0970	225	CX
120,0	95,0	22,4	113,10	118,1	6,35	0,8	5,0	KDSB	1200	0950	224	CX
125,0	100,0	25,4	118,10	123,0	6,35	0,8	5,0	KDSB	1250	1000	254	CX
125,0	103,0	26,5	121,00	124,0	5,10	0,8	5,0	KDSB	1250	1030	265	CX
130,0	105,0	25,4	122,60	127,5	9,50	0,8	5,0	KDSB	1300	1050	254	CX
130,0	105,0	25,4	123,10	128,0	6,35	0,8	5,0	KDSB1	1300	1050	254	CX
135,0	110,0	25,4	127,60	132,5	9,50	0,8	5,0	KDSB	1350	1100	254	CX
135,0	110,0	25,4	128,10	133,0	6,35	0,8	5,0	KDSB1	1350	1100	254	CX
140,0	115,0	25,4	132,60	137,5	9,50	0,8	5,0	KDSB	1400	1150	254	CX
140,0	115,0	25,4	133,00	138,0	6,35	0,8	5,0	KDSB1	1400	1150	254	CX
140,0	118,0	26,5	136,00	139,0	5,10	0,8	5,0	KDSB	1400	1180	265	CX
145,0	120,0	25,4	137,60	142,5	9,50	0,8	5,0	KDSB	1450	1200	254	CX
145,0	120,0	25,4	138,30	143,0	6,35	0,8	5,0	KDSB1	1450	1200	254	CX
150,0	125,0	25,4	142,60	147,5	9,50	0,8	5,0	KDSB	1500	1250	254	CX
150,0	125,0	25,4	143,00	148,0	6,35	0,8	5,0	KDSB1	1500	1250	254	CX
150,0	128,0	26,5	146,00	149,0	5,10	0,8	5,0	KDSB	1500	1280	265	CX
155,0	130,0	25,4	147,60	152,5	9,50	0,8	5,0	KDSB	1550	1300	254	CX
155,0	130,0	25,4	148,00	153,0	6,35	0,8	5,0	KDSB1	1550	1300	254	CX
160,0	130,0	25,4	153,00	157,5	6,35	0,8	5,0	KDSB1	1600	1300	254	CX
160,0	130,0	25,4	152,60	157,5	9,50	0,8	5,0	KDSB	1600	1300	254	CX
160,0	135,0	25,4	152,60	157,5	9,50	0,8	5,0	KDSB	1600	1350	254	CX
160,0	138,0	26,5	156,00	159,0	5,10	0,8	5,0	KDSB	1600	1380	265	CX
165,0	140,0	25,4	157,60	162,5	9,50	0,8	5,0	KDSB	1650	1400	254	CX

ARTIC SEALS

KDSB



D_{H9}	d_{h9}	$E_{+0,2}$	d_{1h9}	$d_{2\pm0,2}$	$E_{1\ +0,1}$	R	C	ART / *ITEM*				
170,0	145,0	25,4	161,70	167,1	12,70	0,8	5,0	KDSB	1700	1450	254	CX
170,0	148,0	26,5	166,00	169,0	5,10	0,8	5,0	KDSB	1700	1480	265	CX
175,0	150,0	25,4	166,70	172,1	12,70	0,8	5,0	KDSB	1750	1500	254	CX
180,0	150,0	35,4	172,95	177,9	6,35	0,8	5,0	KDSB	1800	1500	354	CX
180,0	155,0	25,4	171,70	177,1	12,70	0,8	5,0	KDSB	1800	1550	254	CX
185,0	160,0	25,4	176,70	182,1	12,70	0,8	5,0	KDSB	1850	1600	254	CX
190,0	165,0	25,4	181,70	187,0	12,70	0,8	5,0	KDSB	1900	1650	254	CX
195,0	170,0	25,4	186,70	192,0	12,70	0,8	5,0	KDSB	1950	1700	254	CX
200,0	175,0	25,4	191,60	197,0	12,70	0,8	6,0	KDSB	2000	1750	254	CX
200,0	180,0	31,5	196,00	198,0	9,20	0,8	6,0	KDSB	2000	1800	315	CX
210,0	185,0	25,4	201,60	207,0	12,70	0,8	6,0	KDSB	2100	1850	254	CX
220,0	190,0	35,4	212,70	217,9	6,35	0,8	6,0	KDSB	2200	1900	354	CX
220,0	195,0	25,4	211,60	217,0	12,70	0,8	6,0	KDSB	2200	1950	254	CX
230,0	205,0	25,4	221,60	227,0	12,70	0,8	6,0	KDSB	2300	2050	254	CX
240,0	215,0	25,4	231,60	237,0	12,70	0,8	6,0	KDSB	2400	2150	254	CX
250,0	220,0	35,4	242,90	247,9	6,35	0,8	6,0	KDSB	2500	2200	354	CX
250,0	225,0	25,4	241,60	247,0	12,70	0,8	6,0	KDSB	2500	2250	254	CX

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.

Dimensioni in pollici / Inch sizes

D_{H9}		d_{h9}		$E_{+0,2}$		d_{1h9}		$d_{2\pm0,2}$		$E_{1\ +0,1}$		R		C		ART / *ITEM*				
inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm					
2,000	50,80	1,375	38,10	0,750	19,05	1,820	46,23	1,948	49,42	0,250	6,35	0,015	0,4	0,157	4,0	KDSI	2000	1375	0750	CX
2,375	60,33	1,750	44,45	0,750	19,05	2,194	55,73	2,322	58,98	0,250	6,35	0,015	0,4	0,177	4,5	KDSI	2375	1750	0750	CX
2,500	63,50	1,875	47,62	0,750	19,05	2,318	58,90	2,445	62,12	0,250	6,35	0,015	0,4	0,177	4,5	KDSI	2500	1875	0750	CX
3,000	76,20	2,250	57,15	0,937	23,79	2,771	70,40	2,933	74,50	0,250	6,35	0,015	0,4	0,177	4,5	KDSI	3000	2250	0937	CX
3,500	88,90	2,750	69,85	0,937	23,79	3,270	83,08	3,433	87,22	0,250	6,35	0,015	0,4	0,177	4,5	KDSI	3500	2750	0937	CX
4,000	101,60	3,250	82,55	0,937	23,79	3,770	95,78	3,933	99,92	0,250	6,35	0,015	0,4	0,196	5,0	KDSI	4000	3250	0937	CX