

COLLARÍN ZURCON[®] PUA



- Simple efecto -
- Perfil asimétrico, labio simple -
- Material -
- Poliuretano Zurcon[®] -



■ Collarín PUA para pistón

Descripción

El collarín es una junta de pistón de simple efecto fabricada en poliuretano moldeado por inyección. Está provisto de un robusto labio de estanquidad dinámico y una amplia área de contacto del labio estático, que asegura un efectivo posicionamiento en el alojamiento.

El perfil es adecuado para presiones de hasta 40 MPa a condición de que la holgura de extrusión se adapte al nivel de presión.

Gracias a la elasticidad del material de poliuretano, el collarín se puede instalar fácilmente en alojamientos cerrados.

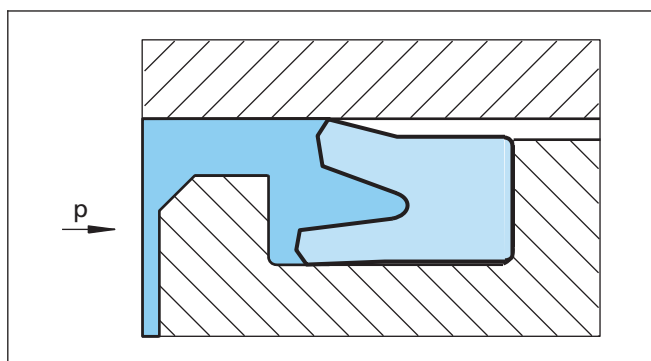


Figura 32 Collarín PUA para pistón

Ventajas

- Diseño sencillo del alojamiento.
- Alta resistencia a la abrasión.
- Larga vida de servicio.
- Eficaz efecto de estanquidad, incluso cuando el acabado de la superficie de contacto no es óptimo.

Ejemplos de aplicación

El collarín es el elemento de estanquidad recomendado para pistones de simple efecto de componentes hidráulicos como:

- Prensas.
- Plataformas elevadoras.
- Repuestos.

Datos técnicos

Condiciones de trabajo

Presión: Hasta 40 MPa

Velocidad: Hasta 0,5 m/s

Temperatura: -35°C a +110°C

Medio: Fluidos hidráulicos con base de aceite mineral.

Holgura: Para dimensionar el pistón, se puede seleccionar el máximo valor de la holgura radial $S_{\text{máx}}$ de la Tabla XXXV. Los valores indicados en esta tabla se deben reducir un 30% cuando la temperatura exceda de 80°C.

Tabla XXXV Holgura

Presión de trabajo MPa	Holgura radial $S_{\text{máx}}$	
	$d_N < 60 \text{ mm}$	$d_N > 60 \text{ mm}$
5	0,40	0,50
10	0,30	0,40
20	0,20	0,30
30	0,15	0,20
40	0,10	0,15

Nota importante:

Los datos anteriormente mencionados son valores máximos y no se pueden usar al mismo tiempo; p. ej., la velocidad máxima de trabajo depende del tipo de material, presión, temperatura y holgura. La gama de temperaturas depende también del medio.

Materiales

Aplicación estándar:

- Para componentes hidráulicos en aceites minerales o medios con buena capacidad de lubricación. Poliuretano 93 Shore A

Zurcon® Z20

Color: Turquesa



Recomendaciones de instalación

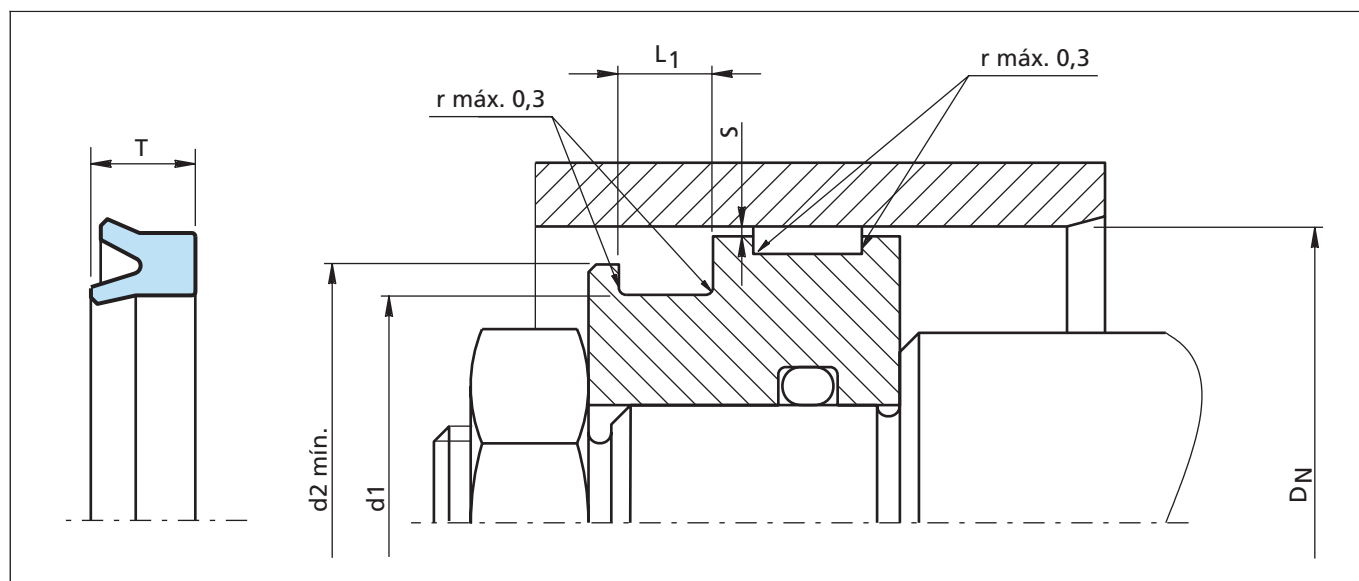


Figura 33 Esquema de instalación
* Véase la medida de la holgura "S" en Tabla XXXV

Ejemplo de pedido

Diámetro de camisa: $D_N = 80 \text{ mm}$
 Diámetro del alojamiento: $d1 = 65 \text{ mm}$
 Ancho del alojamiento: $L1 = 13 \text{ mm}$
 N.º Pieza TSS: PUA100800 (Tabla XXXVI)
 Código del material: Z20

Referencia TSS PUA 1 00800 - Z20
 N.º Serie TSS
 Código de ejecución
 Diámetro de camisa
 Índice de calidad (estándar)
 Código del material

Tabla XXXVI Dimensiones de instalación / N.º Pieza TSS

Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
$D_N \text{ H9}$	$d1 \text{ h9}$	T	$L1 +0,2$	$d2 \text{ mín.}$			
12,0	5,0	5,5	6,0	8,0	PUA000120		RSE 12 5
14,0	8,0	6,3	6,8	11,0	PUA000140		RSE 14 8
16,0	10,0	6,0	6,5	13,0	PUA100160	*	RSE 16 10/1
16,0	10,0	8,0	9,0	13,0	PUA200160	*	RSE 16 10
20,0	12,0	6,5	7,5	15,0	PUA000200	*	RSE 20 12
20,0	14,0	5,5	6,0	17,0	PUA100200	*	RSE 20 14
22,0	12,0	8,0	9,0	16,0	PUA000220	*	RSE 22 12
25,0	10,0	10,0	11,0	14,0	PUA100250	*	RSE 25 10
25,0	15,0	8,0	9,0	19,0	PUA000250	*	RSE 25 15

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.



Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
D _N H9	d1 h9	T	L1 +0,2	d2 mín.			
30,0	15,0	9,5	10,5	19,0	PUA300300	*	-
30,0	15,0	10,0	11,0	19,0	PUA000300		RSE 30 15
30,0	20,0	8,0	9,0	24,0	PUA100300	*	RSE 30 20
30,0	22,0	6,5	7,0	26,0	PUA400300	*	RSE 30 22
32,0	22,0	8,0	9,0	26,0	PUA000320	*	RSE 32 22/1
32,0	22,0	10,0	11,0	26,0	PUA100320	*	RSE 32 22
32,0	26,0	5,0	6,0	28,0	PUA200320	*	RSE 32 26
34,0	22,0	8,4	9,4	26,0	PUA100340		RSE 34 22/1
34,0	22,0	9,0	10,0	26,0	PUA200340		RSE 34 22
34,0	28,0	3,5	4,0	31,0	PUA000340	*	-
35,0	20,0	10,0	11,0	25,0	PUA000350	*	RSE 35 20
35,0	25,0	8,0	9,0	29,0	PUA100350	*	RSE 35 25
35,0	27,0	10,0	11,0	31,0	PUA200350	*	RSE 35 27
36,5	24,0	6,2	7,0	28,0	PUA000365		RSE 36.5 24
37,0	21,0	12,0	13,0	25,0	PUA000370	*	RSE 37 21
38,0	31,0	4,7	5,2	34,0	PUA000380	*	RSE 38 31
40,0	25,0	10,0	11,0	30,0	PUA000400	*	RSE 40 25
40,0	30,0	6,5	7,5	34,0	PUA200400		RSE 40 30/1
40,0	30,0	10,0	11,0	34,0	PUA500400	*	RSE 40 30
40,0	32,0	5,5	6,5	36,0	PUA300400	*	-
40,0	32,0	8,0	9,0	36,0	PUA100400	*	RSE 40 32
40,0	33,0	8,0	9,0	36,0	PUA400400	*	RSE 40 33
42,0	32,0	10,0	11,0	36,0	PUA000420		RSE 42 32
42,0	34,5	4,2	4,7	38,0	PUA100420		RSE 42 34.5
43,0	25,0	9,0	10,0	29,0	PUA000430		RSE 43 25
44,0	20,0	11,0	12,0	25,0	PUA000440	*	RSE 44 20
44,0	25,0	11,0	12,0	30,0	PUA100440	*	-
45,0	28,5	12,0	13,0	33,0	PUA000450		RSE 45.28.5
45,0	30,0	10,0	11,0	35,0	PUA100450	*	RSE 45 30
50,0	30,0	12,0	13,0	35,0	PUA500500		RSE 50 30
50,0	32,0	10,0	11,0	37,0	PUA600500		RSE 50 32
50,0	35,0	8,5	9,5	40,0	PUA100500	*	RSE 50 35/1
50,0	35,0	10,0	11,0	40,0	PUA200500	*	RSE 50 35
50,0	40,0	5,0	5,5	44,0	PUA000500		RSE 50 40/1
50,0	40,0	8,0	9,0	44,0	PUA800500	*	-
50,0	40,0	10,0	11,0	44,0	PUA400500	*	RSE 50 40

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.



Collarín Zurcon® PUA

Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
D _N H9	d1 h9	T	L1 +0,2	d2 mín.			
50,0	42,0	5,5	6,0	45,0	PUA900500	*	RSE 50 42/2
50,0	42,0	8,0	9,0	45,0	PUA700500		RSE 50 42/1
50,0	42,0	10,0	11,0	45,0	PUA300500	*	RSE 50 42
50,8	40,8	7,0	8,0	45,0	PUA100508		RSE 50.8 40.8
52,0	42,0	5,7	6,5	46,0	PUA000520	*	-
52,0	42,0	10,0	10,6	46,0	PUA100520		RSE 52 42
55,0	40,0	10,0	11,0	45,0	PUA000550	*	RSE 55 40
55,0	45,0	10,0	11,0	48,0	PUA100550	*	-
55,0	47,0	5,7	6,3	50,0	PUA200550		RSE 55 47
60,0	40,0	10,0	11,0	45,0	PUA200600	*	-
60,0	40,0	12,0	13,0	45,0	PUA100600	*	RSE 60 40
60,0	40,0	13,5	14,5	45,0	PUA400600		RSE 60 40/1
60,0	45,0	10,0	11,0	50,0	PUA500600		RSE 60 45
60,0	50,0	5,0	5,5	54,0	PUA300600		RSE 60 50/1
60,0	50,0	7,0	8,0	54,0	PUA000600		RSE 60 50
60,0	50,0	10,0	11,0	54,0	PUA600600		RSE 60 50/2
60,0	52,0	8,0	9,0	55,0	PUA700600		RSE 60 52
63,0	43,0	12,0	13,0	47,0	PUA800630		RSE 63 43
63,0	45,0	10,0	11,0	50,0	PUA700630		RSE 63 45
63,0	45,0	12,0	13,0	50,0	PUA600630	*	-
63,0	48,0	8,5	9,5	53,0	PUA400630	*	-
63,0	48,0	10,0	11,0	53,0	PUA300630		RSE 63 48/1
63,0	48,0	12,0	13,0	53,0	PUA000630	*	RSE 63 48
63,0	53,0	6,3	7,0	57,0	PUA500630	*	-
63,0	53,0	7,0	8,0	57,0	PUA200630	*	RSE 63 53
63,0	53,0	12,0	13,0	57,0	PUA100630		RSE 63 53/1
65,0	45,0	12,0	13,0	50,0	PUA000650	*	RSE 65 45/1
65,0	45,0	13,5	14,5	50,0	PUA300650		RSE 65 45
65,0	50,0	10,0	11,0	55,0	PUA100650	*	RSE 65 50
65,0	50,0	11,5	12,5	55,0	PUA200650	*	RSE 65 50/1
65,0	55,0	10,0	11,0	59,0	PUA400650		RSE 65 55/1
65,0	55,0	13,5	14,5	59,0	PUA500650		RSE 65 55
68,0	48,0	10,0	11,0	53,0	PUA000680		RSE 68 48
70,0	50,0	12,0	13,0	55,0	PUA000700	*	RSE 70 50
70,0	50,0	13,5	14,5	55,0	PUA200700		RSE 70 50/1
70,0	50,0	15,0	16,0	55,0	PUA500700		RSE 70 50/2

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.



Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
D _N H9	d1 h9	T	L1 +0,2	d2 mín.			
70,0	55,0	9,5	10,5	60,0	PUA600700		RSE 70 55/1
70,0	55,0	12,0	13,0	60,0	PUA400700	*	RSE 70 55
70,0	60,0	7,0	8,0	64,0	PUA100700	*	RSE 70 60
70,0	60,0	12,0	13,0	64,0	PUA700700		RSE 70 60/1
70,0	60,0	13,5	14,5	64,0	PUA800700		RSE 70 60/2
70,0	62,0	7,5	8,5	65,0	PUA300700		RSE 70 62
72,0	58,0	12,0	13,0	62,0	PUA000720		RSE 72 58
75,0	50,0	14,0	15,0	55,0	PUA000750		RSE 75 50
75,0	55,0	13,5	14,5	60,0	PUA100750	*	RSE 75 55
75,0	65,0	5,0	5,5	69,0	PUA200750		RSE 75 65/1
75,0	65,0	6,7	7,5	69,0	PUA300750		RSE 75 65/3
75,0	65,0	7,0	8,0	69,0	PUA500750		RSE 75 65/4
75,0	65,0	10,0	11,0	69,0	PUA400750		RSE 75 65/2
75,0	65,0	13,5	14,5	69,0	PUA600750		RSE 75 65
76,0	56,0	12,0	13,0	61,0	PUA000760	*	-
80,0	60,0	10,0	11,0	65,0	PUA400800	*	-
80,0	60,0	11,5	12,5	65,0	PUA500800	*	-
80,0	60,0	12,0	13,0	65,0	PUA000800	*	RSE 80 60
80,0	60,0	13,5	14,5	65,0	PUA200800		RSE 80 60/1
80,0	65,0	12,0	13,0	70,0	PUA100800	*	RSE 80 65
80,0	68,0	8,5	9,5	72,0	PUA300800	*	-
80,0	70,0	7,0	8,0	74,0	PUA600800		RSE 80 70
80,0	70,0	12,0	13,0	74,0	PUA700800		RSE 80 70/1
80,0	72,0	12,0	13,0	75,0	PUA800800		RSE 80 72
85,0	65,0	12,0	13,0	70,0	PUA100850	*	-
85,0	65,0	13,5	14,5	70,0	PUA200850	*	RSE 85 65
85,0	70,0	12,0	13,0	75,0	PUA300850	*	-
85,0	75,0	10,0	11,0	79,0	PUA400850		RSE 85 75/1
85,0	75,0	12,0	13,0	79,0	PUA000850		RSE 85 75
90,0	70,0	12,0	13,0	75,0	PUA100900	*	RSE 90 70
90,0	70,0	13,5	14,5	75,0	PUA200900		RSE 90 70/1
90,0	75,0	12,0	13,0	80,0	PUA300900	*	RSE 90 75
90,0	80,0	5,0	5,5	84,0	PUA500900		RSE 90 80/2
90,0	80,0	10,0	11,0	84,0	PUA000900		RSE 90 80/1
90,0	80,0	13,0	14,0	84,0	PUA400900		RSE 90 80
95,0	75,0	13,5	14,5	80,0	PUA100950		RSE 95 75

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.



Collarín Zurcon® PUA

Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
D _N H9	d1 h9	T	L1 +0,2	d2 mín.			
95,0	80,0	12,0	13,0	85,0	PUA000950	*	-
95,0	85,0	6,7	7,5	89,0	PUA200950		RSE 95 85/2
95,0	85,0	7,0	8,0	89,0	PUA300950		RSE 95 85
95,0	85,0	8,5	9,5	89,0	PUA400950		RSE 95 85/1
95,0	85,0	13,5	14,5	89,0	PUA500950		RSE 95 85/3
100,0	80,0	10,0	11,0	85,0	PUA501000		RSE 100 80/2
100,0	80,0	11,5	12,5	85,0	PUA201000	*	-
100,0	80,0	12,0	13,0	85,0	PUA001000		RSE 100 80
100,0	80,0	13,5	14,5	85,0	PUA601000		RSE 100 80/1
100,0	85,0	8,5	9,5	90,0	PUA301000	*	-
100,0	85,0	12,0	13,0	90,0	PUA401000	*	RSE 100 85
100,0	86,0	12,0	13,0	90,0	PUA701000		RSE 100 86
100,0	88,0	8,5	9,5	93,0	PUA101000	*	-
100,0	90,0	7,0	8,0	94,0	PUA801000		RSE 100 90
100,0	90,0	10,5	11,5	94,0	PUA901000		RSE 100 90/1
101,6	80,0	12,0	13,0	85,0	PUA001016		RSE 101.6 80
105,0	90,0	12,0	13,0	95,0	PUA001050	*	RSE 105 90
110,0	90,0	12,0	13,0	95,0	PUA001100		RSE 110 90
110,0	95,0	12,0	13,0	100,0	PUA101100	*	RSE 110 95
110,0	100,0	7,0	8,0	104,0	PUA201100		RSE 110 100
110,0	100,0	13,5	14,5	104,0	PUA301100		RSE 110 100/1
115,0	100,0	10,5	11,5	105,0	PUA101150		RSE 115 100
115,0	100,0	12,0	13,0	105,0	PUA001150	*	-
115,0	105,0	13,5	14,5	109,0	PUA201150		RSE 115 105
120,0	95,0	12,0	13,0	100,0	PUA401200		RSE 120 95
120,0	100,0	12,0	13,0	105,0	PUA001200	*	RSE 120 100
120,0	100,0	13,5	14,5	105,0	PUA101200		RSE 120 100/1
120,0	103,0	16,0	17,0	108,0	PUA501200		RSE 120 103
120,0	105,0	12,0	13,0	110,0	PUA301200	*	-
125,0	100,0	15,0	16,0	105,0	PUA201250	*	-
125,0	105,0	12,0	13,0	110,0	PUA301250	*	RSE 125 105
125,0	105,0	15,0	16,0	110,0	PUA001250	*	RSE 125 105/1
125,0	110,0	10,0	11,0	115,0	PUA101250	*	-
125,0	110,0	12,0	13,0	115,0	PUA401250	*	-
125,0	115,0	7,0	8,0	119,0	PUA501250		RSE 125 115
125,0	115,0	15,0	16,0	119,0	PUA601250		RSE 125 115/1

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.



Diámetro camisa	Diámetro alojamiento	Ancho junta	Ancho alojamiento	Diámetro instalación	N.º Pieza TSS	TSS	N.º Referencia Sealing Parts
D _N H9	d1 h9	T	L1 +0,2	d2 mín.			
130,0	110,0	15,0	16,0	115,0	PUA001300	*	-
140,0	120,0	12,0	13,0	125,0	PUA001400	*	-
150,0	130,0	15,0	16,0	135,0	PUA101500	*	-
160,0	140,0	11,5	12,5	145,0	PUA001600	*	-
165,0	145,0	15,0	16,0	150,0	PUA001650	*	-
180,0	160,0	11,5	12,5	165,0	PUA201800	*	-
200,0	170,0	19,0	20,0	175,0	PUA002000	*	-
200,0	175,0	15,0	16,0	180,0	PUA102000	*	-
250,0	220,0	19,0	20,0	225,0	PUA002500	*	-
250,0	225,0	15,0	16,0	230,0	PUA102500	*	-

* Disponible molde TSS, misma referencia que el N.º Pieza TSS.