



Structure

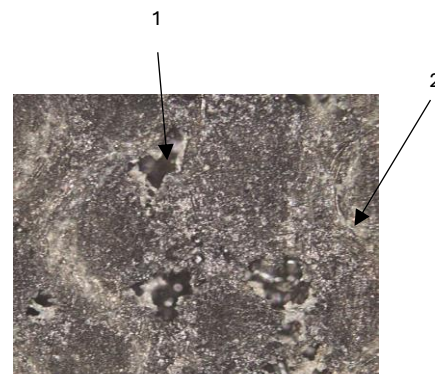
- Fibres haute résistance**, assure la résistance mécanique et la rigidité.
- Support en résine** apporte les propriétés tribologiques pour établir la propriété d'autolubrification.

Caractéristiques

Palier monocouche, sa matrice est composée de fibres noyées dans une résine, il présente une bonne résistance à l'usure. Il est adapté à une utilisation en milieu poussiéreux et sous charges modérées. Ce matériau convient aux applications à basse vitesse.

Une autre gamme de matériaux est disponible suivant les besoins de l'application tel que les multicouches CSB-CRB et CSB-CRG, nous consulter afin de définir celui qui sera le mieux adapté.

Tableau dimension standard : CSB-CR



Propriétés du palier		Unité	Valeur
Pression spécifique	Statique	N/mm ²	150
	Dynamique	N/mm ²	45
Résistance à la compression		N/mm ²	300
Prise d'humidité		ISO62 %	0,5
Température de fonctionnement	Maxi	°C	+160
	Mini	°C	- 40
Vitesse de glissement		m/s	0,13
Facteur « pv » à sec		N/mm ² x m/s	1,2
Coefficient de frottement			0,08-0,30
Densité		g/cm ³	1,30
Rugosité de l'arbre	Rectifié	Ra	<0,4
Dureté de l'arbre	Mini	HRC	> 50

Applications

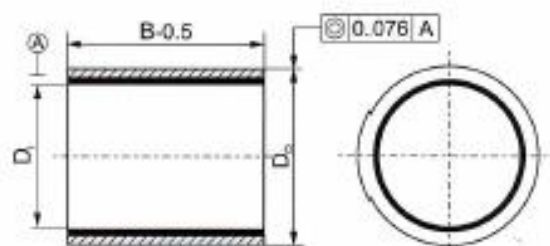
Les matériaux sont conçus pour les applications en rotation, mouvements oscillants ou nécessitant des redémarrages fréquents. Ils sont largement utilisés dans les machines agricoles, les ascenseurs, les engins de manutention, les engins de chantier, industrie navale...

CSB-CR Bearings Size Table (Wall 2.5mm)

Order Spec. CRG — 20 — 25 — 30

Materials:
CRM, CRB, CRG, CRP, CRW

D_i D_o Length

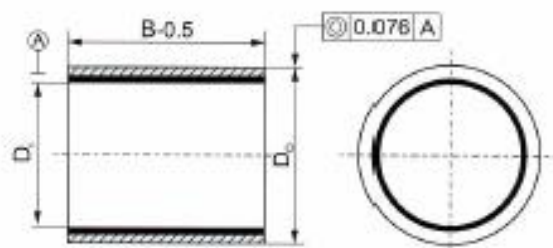


Length tolerance table		B		
		≤75 mm	> 75 to < 150 mm	≥150 mm
D _i	≤75 mm	-0.50 mm	-1.00 mm	-1.50 mm
	> 75 to ≤120 mm	-1.00 mm	-1.00 mm	-1.50 mm
	> 120 to ≤150 mm	-1.00 mm	-1.50 mm	-1.50 mm

Order P/N	Bearing Size		Recommend		Assembly Interference	Running Clearance	Standard Length L
	D _i	D _o	Shaft D ₈ h7	Housing H7 D _h			
CRB-2025-L	20 ^{+0.196} _{+0.116}	25 ^{+0.096} _{+0.046}	20 ⁰ _{-0.021}	25 ^{+0.021} ₀	0.025-0.096	0.020-0.192	15, 20, 30
CRB-2227-L	22 ^{+0.196} _{+0.116}	27 ^{+0.096} _{+0.046}	22 ⁰ _{-0.021}	27 ^{+0.021} ₀	0.025-0.096	0.020-0.192	15, 20, 30
CRB-2530-L	25 ^{+0.196} _{+0.116}	30 ^{+0.096} _{+0.046}	25 ⁰ _{-0.021}	30 ^{+0.021} ₀	0.025-0.096	0.020-0.192	20, 30, 40
CRB-2833-L	28 ^{+0.200} _{+0.120}	33 ^{+0.100} _{+0.050}	28 ⁰ _{-0.021}	33 ^{+0.025} ₀	0.025-0.100	0.020-0.196	20, 30, 40
CRB-3035-L	30 ^{+0.200} _{+0.120}	35 ^{+0.100} _{+0.050}	30 ⁰ _{-0.021}	35 ^{+0.025} ₀	0.025-0.100	0.020-0.196	20, 30, 40
CRB-3540-L	35 ^{+0.200} _{+0.120}	40 ^{+0.100} _{+0.050}	35 ⁰ _{-0.025}	40 ^{+0.025} ₀	0.025-0.100	0.020-0.200	30, 40, 50
CRB-4045-L	40 ^{+0.200} _{+0.120}	45 ^{+0.100} _{+0.050}	40 ⁰ _{-0.025}	45 ^{+0.025} ₀	0.025-0.100	0.020-0.200	30, 40, 60
CRB-4550-L	45 ^{+0.230} _{+0.130}	50 ^{+0.105} _{+0.055}	45 ⁰ _{-0.025}	50 ^{+0.025} ₀	0.025-0.105	0.025-0.230	30, 40, 60
CRB-5055-L	50 ^{+0.230} _{+0.130}	55 ^{+0.105} _{+0.055}	50 ⁰ _{-0.025}	55 ^{+0.030} ₀	0.025-0.105	0.025-0.230	40, 50, 60
CRB-5560-L	55 ^{+0.245} _{+0.145}	60 ^{+0.120} _{+0.070}	55 ⁰ _{-0.030}	60 ^{+0.030} ₀	0.040-0.120	0.025-0.235	40, 55, 70
CRB-6065-L	60 ^{+0.245} _{+0.145}	65 ^{+0.120} _{+0.070}	60 ⁰ _{-0.030}	65 ^{+0.030} ₀	0.040-0.120	0.025-0.235	40, 60, 80
CRB-6570-L	65 ^{+0.245} _{+0.145}	70 ^{+0.120} _{+0.070}	65 ⁰ _{-0.030}	70 ^{+0.030} ₀	0.040-0.120	0.025-0.235	50, 60, 80
CRB-7075-L	70 ^{+0.245} _{+0.145}	75 ^{+0.120} _{+0.070}	70 ⁰ _{-0.030}	75 ^{+0.030} ₀	0.040-0.120	0.025-0.235	50, 70, 90
CRB-7580-L	75 ^{+0.275} _{+0.175}	80 ^{+0.120} _{+0.070}	75 ⁰ _{-0.030}	80 ^{+0.030} ₀	0.040-0.125	0.050-0.265	50, 70, 90
CRB-8085-L	80 ^{+0.275} _{+0.175}	85 ^{+0.125} _{+0.075}	80 ⁰ _{-0.030}	85 ^{+0.035} ₀	0.040-0.125	0.050-0.265	60, 80, 100
CRB-8590-L	85 ^{+0.275} _{+0.175}	90 ^{+0.125} _{+0.075}	85 ⁰ _{-0.035}	90 ^{+0.035} ₀	0.040-0.125	0.050-0.270	60, 80, 100
CRB-9095-L	90 ^{+0.275} _{+0.175}	95 ^{+0.125} _{+0.075}	90 ⁰ _{-0.035}	95 ^{+0.035} ₀	0.050-0.135	0.050-0.270	60, 80, 120
CRB-95100-L	95 ^{+0.310} _{+0.185}	100 ^{+0.125} _{+0.075}	95 ⁰ _{-0.035}	100 ^{+0.035} ₀	0.050-0.135	0.050-0.295	60, 80, 120
CRB-100105-L	100 ^{+0.310} _{+0.185}	105 ^{+0.125} _{+0.075}	100 ⁰ _{-0.035}	105 ^{+0.035} ₀	0.050-0.135	0.050-0.295	80, 100, 120
CRB-110115-L	110 ^{+0.315} _{+0.190}	115 ^{+0.135} _{+0.085}	110 ⁰ _{-0.035}	115 ^{+0.035} ₀	0.050-0.140	0.050-0.300	80, 100, 120
CRB-120125-L	120 ^{+0.340} _{+0.215}	125 ^{+0.135} _{+0.085}	120 ⁰ _{-0.035}	125 ^{+0.040} ₀	0.050-0.165	0.050-0.325	100, 120, 150
CRB-130135-L	130 ^{+0.340} _{+0.215}	135 ^{+0.165} _{+0.090}	130 ⁰ _{-0.040}	135 ^{+0.040} ₀	0.050-0.165	0.050-0.330	100, 120, 150
CRB-140145-L	140 ^{+0.340} _{+0.215}	145 ^{+0.165} _{+0.090}	140 ⁰ _{-0.040}	145 ^{+0.040} ₀	0.050-0.165	0.050-0.330	100, 150, 180
CRB-150155-L	150 ^{+0.340} _{+0.215}	155 ^{+0.165} _{+0.090}	150 ⁰ _{-0.040}	155 ^{+0.040} ₀	0.050-0.165	0.050-0.330	120, 150, 180

CSB-CR Bearings Size Table (Wall 5mm)

Order Spec. CRG — 20 30 — 30
 ↓ ↓ ↓ ↓
 D_i D_o Length
 Materials:
 CRM, CRB, CRG, CRP, CRW



Length tolerance table		B		
		≤75 mm	> 75 to < 150 mm	≥150 mm
D _i	≤75 mm	-0.50 mm	-1.00 mm	-1.50 mm
	> 75 to ≤120 mm	-1.00 mm	-1.00 mm	-1.50 mm
	> 120 to ≤150 mm	-1.00 mm	-1.50 mm	-1.50 mm

Order P/N	Bearing Size		Recommend		Assembly Interference	Running Clearance	Standard Length L
	D _i	D _o	Shaft D _s h7	Housing H7 D _h			
CRB-2030-L	20 ^{+0.196} _{+0.116}	30 ^{+0.096} _{+0.046}	20 ⁰ _{-0.021}	30 ^{+0.021} ₀	0.025-0.096	0.020-0.192	15, 20, 30
CRB-2232-L	22 ^{+0.196} _{+0.116}	32 ^{+0.096} _{+0.046}	22 ⁰ _{-0.021}	32 ^{+0.021} ₀	0.025-0.096	0.020-0.192	15, 20, 30
CRB-2535-L	25 ^{+0.196} _{+0.116}	35 ^{+0.096} _{+0.046}	25 ⁰ _{-0.021}	35 ^{+0.021} ₀	0.025-0.096	0.020-0.192	20, 30, 40
CRB-2838-L	28 ^{+0.200} _{+0.120}	38 ^{+0.100} _{+0.050}	28 ⁰ _{-0.021}	38 ^{+0.025} ₀	0.025-0.100	0.020-0.196	20, 30, 40
CRB-3040-L	30 ^{+0.200} _{+0.120}	40 ^{+0.100} _{+0.050}	30 ⁰ _{-0.021}	40 ^{+0.025} ₀	0.025-0.100	0.020-0.196	20, 30, 40
CRB-3545-L	35 ^{+0.200} _{+0.120}	45 ^{+0.100} _{+0.050}	35 ⁰ _{-0.025}	45 ^{+0.025} ₀	0.025-0.100	0.020-0.200	30, 40, 50
CRB-4050-L	40 ^{+0.200} _{+0.120}	50 ^{+0.100} _{+0.050}	40 ⁰ _{-0.025}	50 ^{+0.025} ₀	0.025-0.100	0.020-0.200	30, 40, 60
CRB-4555-L	45 ^{+0.230} _{+0.130}	55 ^{+0.105} _{+0.055}	45 ⁰ _{-0.025}	55 ^{+0.030} ₀	0.025-0.105	0.025-0.230	30, 40, 60
CRB-5060-L	50 ^{+0.230} _{+0.130}	60 ^{+0.105} _{+0.055}	50 ⁰ _{-0.025}	60 ^{+0.030} ₀	0.025-0.105	0.025-0.230	40, 50, 60
CRB-5565-L	55 ^{+0.245} _{+0.145}	65 ^{+0.120} _{+0.070}	55 ⁰ _{-0.030}	65 ^{+0.030} ₀	0.040-0.120	0.025-0.235	40, 55, 70
CRB-6070-L	60 ^{+0.245} _{+0.145}	70 ^{+0.120} _{+0.070}	60 ⁰ _{-0.030}	70 ^{+0.030} ₀	0.040-0.120	0.025-0.235	40, 60, 80
CRB-6575-L	65 ^{+0.245} _{+0.145}	75 ^{+0.120} _{+0.070}	65 ⁰ _{-0.030}	75 ^{+0.030} ₀	0.040-0.120	0.025-0.235	50, 60, 80
CRB-7080-L	70 ^{+0.245} _{+0.145}	80 ^{+0.120} _{+0.070}	70 ⁰ _{-0.030}	80 ^{+0.030} ₀	0.040-0.120	0.025-0.235	50, 70, 90
CRB-7585-L	75 ^{+0.275} _{+0.175}	85 ^{+0.125} _{+0.075}	75 ⁰ _{-0.030}	85 ^{+0.035} ₀	0.040-0.125	0.050-0.265	50, 70, 90
CRB-8090-L	80 ^{+0.275} _{+0.175}	90 ^{+0.125} _{+0.075}	80 ⁰ _{-0.030}	90 ^{+0.035} ₀	0.040-0.125	0.050-0.265	60, 80, 100
CRB-8595-L	85 ^{+0.275} _{+0.175}	95 ^{+0.125} _{+0.075}	85 ⁰ _{-0.035}	95 ^{+0.035} ₀	0.040-0.125	0.050-0.270	60, 80, 100
CRB-90100-L	90 ^{+0.275} _{+0.175}	100 ^{+0.125} _{+0.075}	90 ⁰ _{-0.035}	100 ^{+0.035} ₀	0.050-0.135	0.050-0.270	60, 80, 120
CRB-95105-L	95 ^{+0.310} _{+0.185}	105 ^{+0.125} _{+0.075}	95 ⁰ _{-0.035}	105 ^{+0.035} ₀	0.050-0.135	0.050-0.295	60, 80, 120
CRB-100110-L	100 ^{+0.310} _{+0.185}	110 ^{+0.135} _{+0.085}	100 ⁰ _{-0.035}	110 ^{+0.035} ₀	0.050-0.135	0.050-0.295	80, 100, 120
CRB-110120-L	110 ^{+0.315} _{+0.190}	120 ^{+0.135} _{+0.085}	110 ⁰ _{-0.035}	120 ^{+0.040} ₀	0.050-0.140	0.050-0.300	80, 100, 120
CRB-120130-L	120 ^{+0.340} _{+0.215}	130 ^{+0.165} _{+0.095}	120 ⁰ _{-0.035}	130 ^{+0.040} ₀	0.050-0.165	0.050-0.325	100, 120, 150
CRB-130140-L	130 ^{+0.340} _{+0.215}	140 ^{+0.165} _{+0.095}	130 ⁰ _{-0.040}	140 ^{+0.040} ₀	0.050-0.165	0.050-0.330	100, 120, 150
CRB-140150-L	140 ^{+0.340} _{+0.215}	150 ^{+0.165} _{+0.095}	140 ⁰ _{-0.040}	150 ^{+0.040} ₀	0.050-0.165	0.050-0.330	100, 150, 180
CRB-150160-L	150 ^{+0.340} _{+0.215}	160 ^{+0.165} _{+0.095}	150 ⁰ _{-0.040}	160 ^{+0.040} ₀	0.050-0.165	0.050-0.330	120, 150, 180