

### NOTICE DE MONTAGE DU MOYEU VECOBLOC SC

La transmission du couple se fait par adhérence entre les surfaces de contact.

S'assurer des recommandations suivantes :

- Toutes les surfaces de contact doivent être propres et sèches.
- Respecter impérativement le nombre de vis à monter en fonction de l'utilisation (voir tableau au verso).

#### MONTAGE

1. Glisser la bague de déformation (B) sur l'arbre (A). On pourra introduire un tournevis dans la fente pour faciliter le glissement.

2. Positionner le cône arrière (C) sur la bague de déformation (B) en veillant à faire correspondre les fentes du cône et de la bague (schéma 1).

3. Placer le mobile (F) sur le cône arrière (C).

4. Présenter le cône avant (D) dans la position traditionnelle VECOBLOC.

5. Introduire les vis de démontage (G) dans leur logement jusqu'à affleurement avec la face visible du cône (D) (schéma 2).

6. Visser l'écrou de serrage (E) sur le cône arrière jusqu'à ce que tous les filets soient en prise et en positionnant la fente du cône avant (D) entre deux vis de serrage (schémas 3 et 4).

7. Vérifier le positionnement angulaire et axial du mobile sachant que ce dernier se déplacera axialement d'un millimètre vers le cône arrière pendant le serrage.

8. Respecter le nombre de vis à monter en fonction de l'utilisation (voir tableau au verso). Serrer successivement chaque vis par quart de tour jusqu'à ce que la longue branche de la clé Allen fléchisse d'environ 10 à 15 mm sous l'effort. Cette action produit une déformation diamétrale des cônes fendus qui assure le frettage du mobile sur l'arbre.

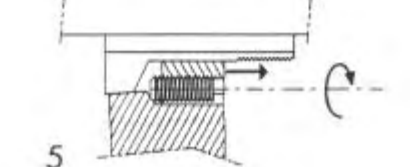
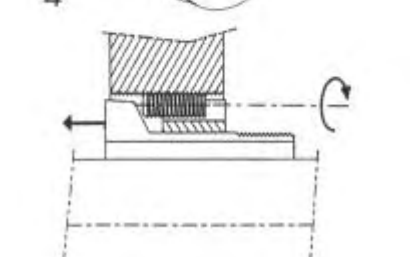
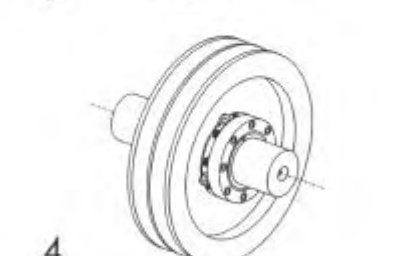
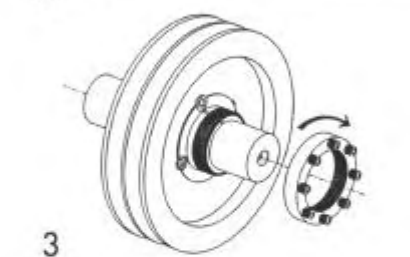
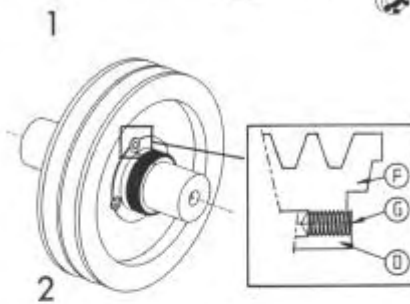
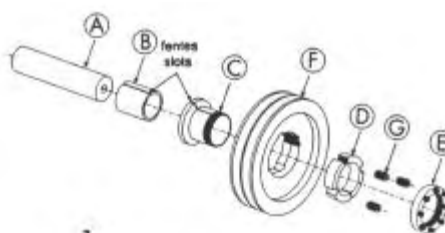
#### DEMONTAGE

1. Dévisser toutes les vis de serrage.
2. Débloquer l'écrou de serrage.
3. Serrer les vis de démontage (G) jusqu'au déblocage de l'ensemble (schéma 5).
4. Sortir le cône avant.
5. Retirer le mobile.

### INSTALLATION GUIDE FOR BUSH VECOBLOC SC

The torque transmission is achieved by adherence between the surfaces of contact. Follow these recommendations carefully :

- All the surfaces of contact must be clean and dry.
- Strictly use the number of screws according to the application as specified in the table behind.



#### ASSEMBLY

1. Slip the clamp ring (B) on the shaft (A). A screwdriver can be inserted in the slot to facilitate the sliding.

2. Set the back cone (C) on the clamp ring. Make sure the slots of the cone and the ring are correctly aligned (see drawing 1).

3. Put the mobile (F) on the back cone (C).

4. Place the front cone (D) in the traditional VECOBLOC position.

5. Insert disassembly screws (G) in position until they are levelled with the visible face of the cone (D) (see drawing 2).

6. Tighten the screwing nut on the back cone until all the threads are inserted. Make sure the front cone slot (D) is positioned between two screws (see drawings 3 and 4).

7. Check the angular and axial positioning of the mobile, bearing in mind that it will move axially by one millimeter towards the back cone during the tightening.

8. Use the number of screws according to the application as specified in the table behind. Successively tighten the screws by quarter turn until the long arm of the Allen key bends by approximately 10 to 15 mm under strain. The result of this action will be a diametral deformation of the slotted cones which ensures correct clamping of the mobile on the shaft.

#### DISASSEMBLY

1. Undo all the screws.
2. Unlock the screwing nut.
3. Tighten the disassembly screws (G) until the whole element unlocks (see drawing 5).
4. Get the front cone off.
5. Remove the mobile.

NOTRE GARANTIE EST  
LIMITEE AU STRICT RESPECT  
DES INDICATIONS DE  
MONTAGE

OUR GUARANTY IS ONLY VALID IF  
ALL ASSEMBLY INSTRUCTIONS  
HAVE BEEN STRICTLY FOLLOWED

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### NOMBRE DE VIS PAR TYPE DE MOYEU VECOBLOC "SC" NUMBER OF SCREWS PER VECOBLOC "SC" MOBILE TYPE

TAILLES DES MOYEURS / BUSH SIZE		28.20	30.25	40.25	50.30	65.45	75.50	90.90
POULIES SYNCHRO / TIMING PULLEYS	L	4	4	4	4	-	-	-
	H	6	6	6	6	6	-	-
	8 M 20	4	-	4	4	-	-	-
	8 M 30	6	-	6	6	6	-	-
	8 M 50	6	-	6	8	6	6	-
	8 M 85	-	-	8	8	8	8	-
14 M	8	8	8	8	8	8	8	
POULIES TRAPEZOÏDALES / V.BELT PULLEYS	SPZ	4	4	4	6	6	6	-
	SPA	-	4	4	6	6	6	6
	SPB	-	-	6	8	8	6	6
	SPC	-	-	-	-	8	8	8
PIGNONS SPROCKETS	SIMPLE	4	6	4	8	8	6	8
	DOUBLE	4	6	6	8	8	6	8
	TRIPLE	-	-	-	8	8	8	8
ACCOUPEMENTS COUPLINGS	PNEUMABLOC	4	8	8	8	8	8	8

Serrer successivement chaque vis par quart de tour jusqu'à ce que la longue branche de la clé Allen fléchisse d'environ 10 à 15 mm sous l'effort.  
Successively tighten the screws by quarter turn until the long arm of the Allen key bends by approximately 10 to 15 mm under strain.

### NOTICE DE MONTAGE DU MOYEU VECOBLOC STANDARD DANS UN MOBILE DOUBLE CONICITE "SC"

#### MONTAGE

Fig 1. Assembler poulie, moyeu et positionner les vis de serrage A et B sans les serrer.

Ces dernières se vissent dans la poulie (demi trou taraudé) et sont libres dans le demi trou borgne du moyeu.

Glisser l'ensemble sur l'arbre.

Fig 2. Serrer à fond A et B.

Sous cette action, l'alésage conique de la poulie resserre le moyeu conique fendu et le bloque sur l'arbre.

L'ensemble réalisé ne peut se desserrer.

TYPE DE VECOBLOC STANDARD	COUPLE DE SERRAGE DES VIS A ET B (Nm)
28.20	6
30.25	20
40.25	20
50.30	30
65.45	50
75.50	90
90.90	110

#### DEMONTAGE

Fig 3. Dévisser et enlever A et B.

Revisser à fond l'une des 2 vis dans C jusqu'au déblocage du moyeu.

L'ensemble poulie et moyeu est retiré sans effort par simple glissement sur l'arbre.

N.B : Procéder de façon identique pour les moyeux équipés de 3 vis de montage et de 2 vis de démontage.

NOTRE GARANTIE EST LIMITEE AU  
STRICT RESPECT DES INDICATIONS DE  
MONTAGE

### ASSEMBLY AND DISASSEMBLY OF VECOBLOC UNIVERSAL REMOVABLE HUB IN DOUBLE-CONICITY "SC" PULLEYS

#### ASSEMBLY

Fig 1. Assembly pulley, hub and position A and B locking screws without tightening them.

These screws are tightened into the pulley (half tap hole) and are free in the half blind hole of hub.

Slip the whole unit on the primary shaft.

Fig 2. Screw A and B tightly.

Under this action, the taper hole of the pulley tightens the split taper hub and fastens it on the primary shaft.

The whole set is now self-locking.

UNIVERSAL VECOBLOC SIZE	TIGHTEN TORQUE OF SCREWS A AND B (Nm)
28.20	6
30.25	20
40.25	20
50.30	30
65.45	50
75.50	90
90.90	110

#### DISASSEMBLY

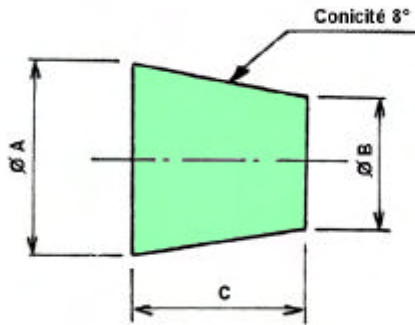
Fig 3. Unscrew and remove A and B.

Screw tightly again one of the 2 screws in C till hub releasing. Pulley and hub are easily removed by simple sliding on the shaft.

N.B : Do the same for hubs fitted with 3 assembly screws and 2 disassembly screws.

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ALL ASSEMBLY INSTRUCTIONS  
HAVE BEEN STRICTLY FOLLOWED

## General characteristics



### General Characteristics

- Bushes are made out of cast iron except when mentioned otherwise.
- All bushes are keywayed.  
The keyway is made following norm. AFNOR E 22.175 (except when mentioned otherwise), the strength must always be exercised on key sides never on top..
- For shaft diameter in inches, please ask us.

### Designation

A bush VECOBLOC bush is defined by two figures (ex: 50.30)  
- the first one shows maximum possible diameter : (ex : 50 mm)  
- the second one shows the length of the bush : (ex : 30 mm)

### Technical characteristics

Designation of the bushes		Shaft diameters (mm)	Key section	dia A (mm)	dia B (mm)	C (mm)	Screws					Weight mini. shaft (kg)
VECOBLOC®	international						Qty	Diam.	Length (mm)	Spanner (mm)	Torque (Nm)	
28.20	1108	12	4 x 4	38,4	35,5	20	2	1/4"	13	3	6	0,14
		14 - 15 - 16	5 x 5									
		18 - 19 - 20 - 22	6 x 6									
		24 - 25	8 x 7									
		28™	8 x 6									
30.25	1210	12	4 x 4	47,7	44	25	2	3/8"	16	5	20	0,30
		14 - 15 - 16	5 x 5									
		18 - 19 - 20 - 22	6 x 6									
		24 - 25 - 28 - 30	8 x 7									
		32™	10 x 7									
30.40	1215	16	5 x 5	47,7	42	40	2	3/8"	16	5	20	0,42
		19 - 20	6 x 6									
		24 - 25 - 28 - 30	8 x 7									
		32™	10 x 7									
40.25	1610	14 - 15 - 16	5 x 5	57,2	53,5	25	2	3/8"	16	5	20	0,44
		18 - 19 - 20 - 22	6 x 6									
		24 - 25 - 28 - 30	8 x 7									
		32 - 35 - 38	10 x 7									
		40™ - 42™	12 x 7									
40.40	1615	14 - 16	5 x 5	57,2	52	40	2	3/8"	16	5	20	0,61
		18 - 19 - 20 - 22	6 x 6									
		24 - 25 - 28 - 30	8 x 7									
		32 - 35 - 38	10 x 8									
		40™ - 42™	12 x 7									
50.30	2012	16	5 x 5	69,9	65	30	2	7/16"	22	5	30	0,78
		18 - 19 - 20 - 22	6 x 6									
		24 - 25 - 28 - 30	8 x 7									
		32 - 35 - 38	10 x 8									
		40 - 42	12 x 8									
		45 - 48 - 50'	14 x 9									
65.45	2517	18 - 19 - 20 - 22	6 x 6	85,8	78	45	2	1/2"	25	6	50	1,64
		24 - 25 - 28 - 30	8 x 7									
		32 - 35 - 38	10 x 8									
		40 - 42	12 x 8									
		45 - 48 - 50	14 x 9									
		55	16 x 10									
		60 - 65'	18 x 11									

™ For those diameters, the height of the key must be reduced by 1mm, the bush is made of steel.

' For those diameters, the bush is made of steel.

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# TAPER BUSHES VECOBLOC®

## General Characteristics

TECHNICAL DATA SHEET  
72002 - 2/2 - 06/98 FICHE  
TECHNIQUE

Designation of bushes		Shaft diameters (mm)	Key section	dia A (mm)	dia B (mm)	C (mm)	Screws					Weight mini. shaft (kg)
							Qty	Diam.	Length (mm)	Spanner (mm)	Torque (Nm)	
VECOBLOC®	international											
75.50	3020	25 - 28 - 30 32 - 35 - 38 40 - 42 45 - 48 - 50 55 60 - 65 70 - 75' 80'	8 x 7 10 x 8 12 x 8 14 x 9 16 x 10 18 x 11 20 x 12 22 x 14	108	100	50	2	5/8''	32	8	90	3,00
75.75	3030	35 - 38 40 - 42 45 - 48 - 50 55 60 - 65 70 - 75' 80'	10 x 8 12 x 8 14 x 9 16 x 10 18 x 11 20 x 12 22 x 14	108	97,5	75	2	5/8''	32	8	90	4,00
90.90	3535	35 - 38 40 - 42 45 - 48 - 50 55 60 - 65 70 - 75 80 - 85 90 - 95' 100π	10 x 8 12 x 8 14 x 9 16 x 10 18 x 11 20 x 12 22 x 14 25 x 14 28 x 10	127	114	90	3	1/2''	38	10	110	6,20
100.100	4040	48 55 60 - 65 70 - 75 80 - 85 90 - 95 100 - 105' 110π	14 x 9 16 x 10 18 x 11 20 x 12 22 x 14 25 x 14 28 x 16 28 x 10	146	132	100	3	5/8''	44	12	190	9,00
115.115	4545	55 60 - 65 70 - 75 80 - 85 90 - 95 100 - 105 - 110 120π	16 x 10 18 x 11 20 x 12 22 x 14 25 x 14 28 x 16 32 x 11	162	146	115	3	3/4''	50	14	275	12,50
125.125	5050	70 - 75 80 - 85 90 - 95 100 - 110 115-120-125-130'	20 x 12 22 x 14 25 x 14 28 x 16 32 x 18	177,6	158	125	3	7/8''	57	17	360	15,00
150.125	6050	100 - 120 - 125 - 130 - 135 140 - 145 - 150 155' - 160'	following norm NF E 22.175 40 x 22	235	216	125	3	1 1/4''	89	42	900	30,00
200.125	8050	140 à 200 205	following norm NF E 22.175 50 x 28	286	270	125	4	1 1/4''	89	42	900	37,00
250.160	10065	180 à 250	following norm NF E 22.175	375	352	160	4	1 1/2''	108	50	1 600	85,00
180.150	7060	125 à 180	following norm NF E 22.175	260	239	150	4	1 1/4''	89	42	900	38,60
200.160	8065	125 à 200	following norm NF E 22.175	286	263	160	4	1 1/4''	89	42	900	54,50

π For those diameters, use a thin key (norm E 22.175), the bush is made of steel .

' For those diameters, the bush is made of steel.

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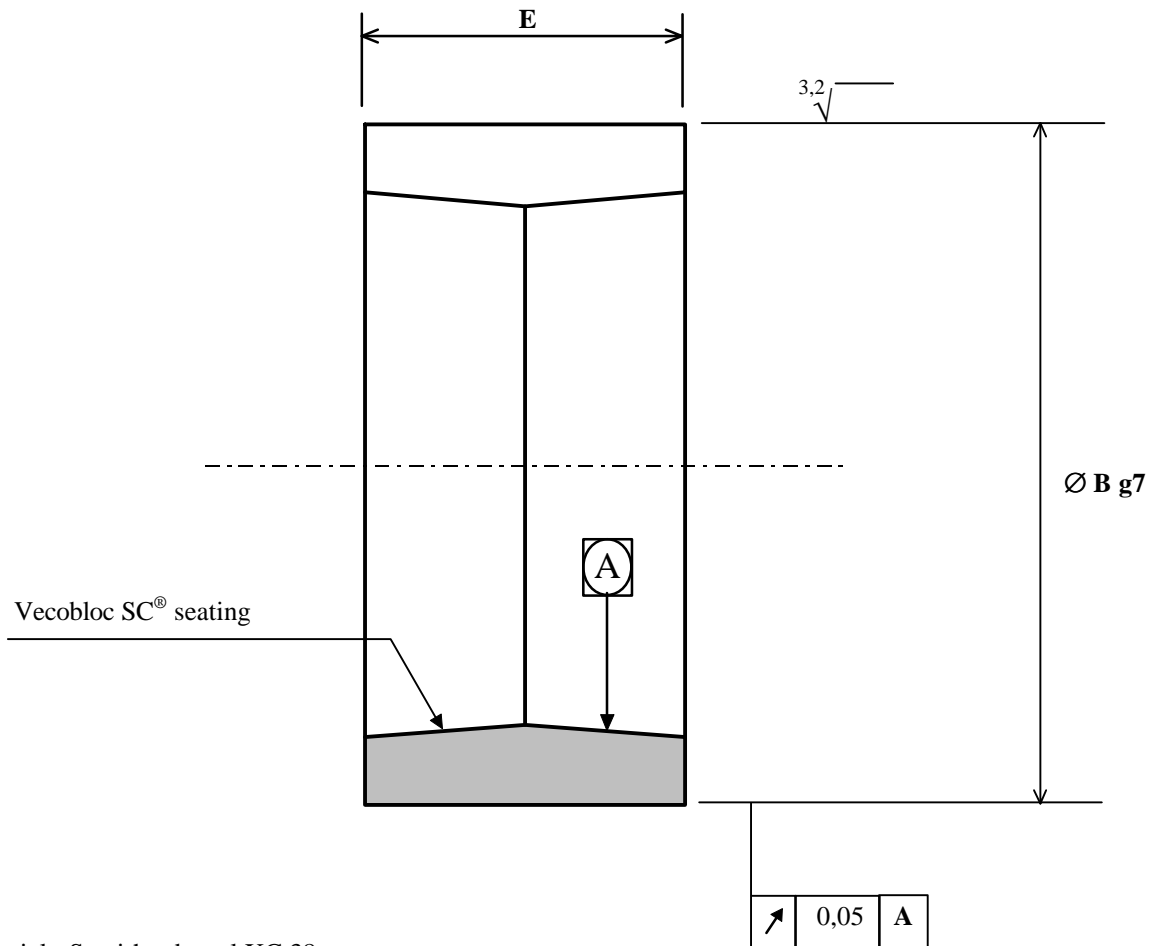
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# TAPER BUSH WITH NO KEY VECOBLOC SC :

## ADAPTATION RINGS

TECHNICAL DATA SHEET  
72003- 1/1 - 07/97 FICHE  
TECHNIQUE



Material : Semi-hard steel XC 38

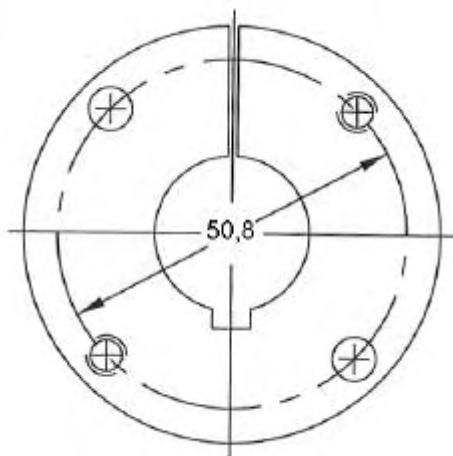
Type	E	Ø B	Vecobloc type
BA SC 28	20	46	28.20 (1108)
BA SC 30	25	50	30.25 (1210)
BA SC 40	25	70	40.25 (1610)
BA SC 50	30	90	50.30 (2012)
BA SC 65	45	104	65.45 (2517)
BA SC 75	50	130	75.50 (3020)
BA SC 90	90	160	90.90 (3535)

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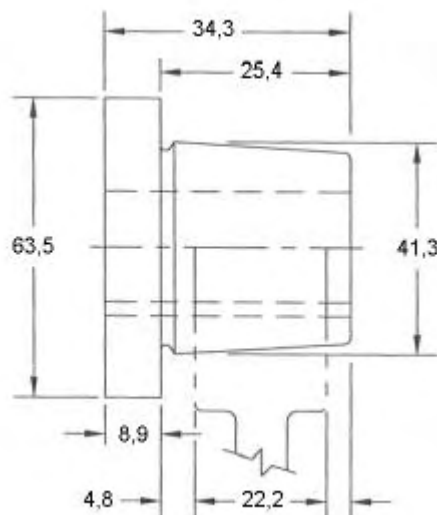
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**COLMANT CUVELIER**  
TRANSMISSION



**Moyeu L  
L Bush**



**Dimensions**

L'adhérence entre les surfaces en contact de la poulie et du moyeu assure la transmission du couple.

- Montage facilité par la présence d'une fente
- Démontage rapide par simple dévissage des vis du moyeu
- Ne pas utiliser le moyeu L sans clavette

The torque transmission is achieved by adherence between the surfaces of contact.

- The full split makes it easy to install L bushing on shafts which may be slightly oversize or under size
- A few quick turns on each screw, and the tight grip of the bushing on the shaft is broken
- Do not use L bushing without keyway

**Caractéristiques du moyeu L / Features of the L bush :**

Alésage / Bore (mm)	Clavette Keyway	Vis / screws(dimensions en mm)				
		Nombre Number	Diamètre Diameter	Longueur length	Clé Key	Couple de serrage (Nm)
Préalésé : 12						
Standard :						
14 - 15 - 16	5 x 5	2	6,35	25,4	11 mm	8,3
18 - 19 - 20 - 22	6 x 6				(7/16)	
24 - 25 - 28 - 30	8 x 7					

- Le poids approximatif du moyeu L est de 0,32 kg.
- The L bush weights about 0,32 kg (0,7 Pounds).

**Notice de montage :**

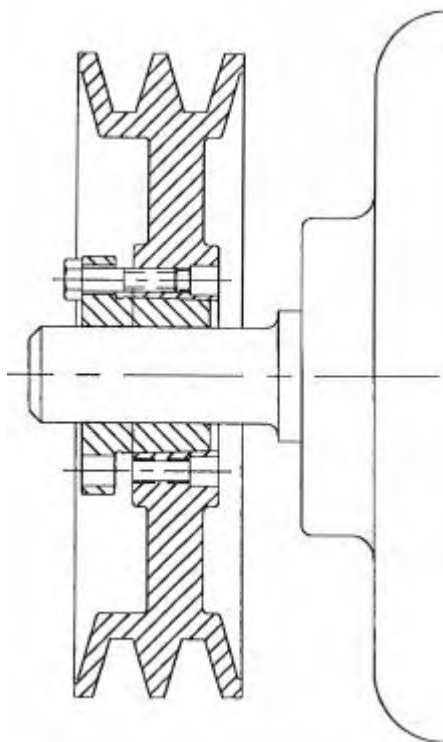
**MOYEU TOURNE DE L'AUTRE COTE DE LA POULIE :**

1. Aligner les trous de la poulie à raccorder avec ceux du moyeu.
2. Insérer les vis dans leur logement sans les serrer jusqu'à ce qu'elles atteignent la poulie.
3. Positionner l'ensemble sur la transmission et serrer les vis progressivement et uniformément.

**DEMONTAGE :**

1. Dévisser progressivement les vis et les réinsérer dans les trous filetés. Serrer les vis progressivement afin de libérer la poulie.
2. Retirer l'ensemble de la transmission.

**LES VIS SONT TOUJOURS  
ACCESSIBLES DE  
L'EXTERIEUR**



**Installation guide :**

**BUSHING FLANGE AWAY FROM MACHINE OR MOTOR :**

1. Align drilled holes in bushing flange with tapped holes in sheave hub.
2. Insert capscrews through drilled holes in bushing flange and thread loosely into tapped holes in sheave hub.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.

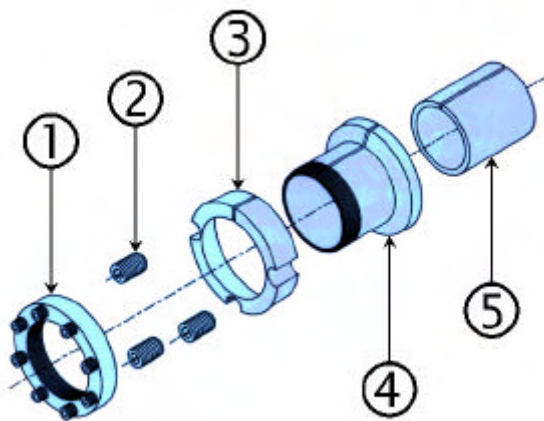
**TO REMOVE :**

1. Remove capscrews and thread into tapped holes in bushing flange. Tighten progressively until bushing is free from sheave taper.
2. Remove assembly from shaft.

**CAPSCREWS ARE ALWAYS  
ACCESSIBLE FROM THE  
OUTSIDE**



**GENERAL CHARACTERISTICS**



- 1 : Nut with tightening screws
- 2 : Removal screw
- 3 : Front cone
- 4 : Back cone
- 5 : Sleeve

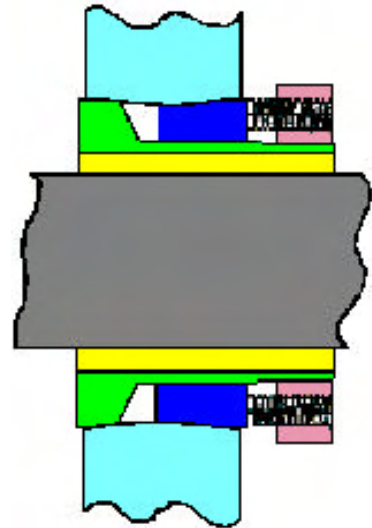
**Function** : Installation of a component on a shaft with a bush with no key

**General specifications :**

- Semi-hard steel
- Protection by black phosphatation
- No temperature limit
- Easy installation and removal
- Anti-loosening system included
- Shaft tolerance : h8

**Technical specifications :**

Type of SC bush	Maxi torque in N.m on d max.			Coeff. A	d min. mm	d mm
	4 screws	6 screws	8 screws			
10.08 (25.20)	110	164	220	1,25	10	22
11.08 (28.20)	120	180	240	1,25	12	24
12.10 (30.25)	140	210	280	1,25	14	28
16.10 (40.25)	273	410	548	1,8	14	38
20.12 (50.30)	346	518	691	1,8	16	48
25.17 (65.45)	648	972	1296	2,7	18	60
30.20 (75.50)	2156	3234	4312	7,7	25	70
35.35 (90.90)	3520	5280	7040	11	35	80
40.40 (100.100)	4228	5946	7927	11	48	90
45.45 (115.115)	4844	6936	9248	11	55	105
50.50 (125.125)	5284	7596	10128	11	60	115



**Selection :**

• **Determination of applications characteristics**

Determination the transmitted torque which will be corrected in taking account of the application conditions.  
Determination of the shaft diameter on which the bush will be installed.

Load type	Driven machines	Application conditions		
		1	2	3
Light duty	Agitators - Conveyors - Centrifugal compressors - Dynamometers - Air filter - Generators - Lineshafts - Centrifugal pumps - Centrifugal fans	1,0	1,5	2,0
Medium duty	Agitators - Lifting material - Overshot elevator - Textile machinery - Machine tools - Wood working machinery - Mixers - Gyrotory pumps - Printing presses - Hoist, Mining fans	1,5	2,0	2,5
High duty	Lifting material - Hammer mills - Crushers - Rotary compressors - Dredgers - Calenders - Gyrotory furnaces - Brick machinery - Cutting presses	2,0	2,5	3,0
High inertia Shocks Torque inversion Rotation Reversing	Gyrotory crushers - Alternative conveyors - Vibrating screens - Alternative compressors - Rubber calenders - Mills - Alternative pumps	2,5	3,0	3,5



## Dimensional Features

### • Bush selection

The selection must be done following the maxi torque and the maxi shaft diameter which can be accepted by the bush.

Calculate the number of screws to transmit the corrected torque.

$$\text{Theoretical screw number} = \frac{\text{Corrected torque (Nm)}}{\text{Coef A} \times \text{shaft dia. (mm)}}$$

The theoretical screw number must be lower than the actual screw number (**4, 6 or 8**)

### Example

Wheel on a printing machine - Transmitted power : 30 kw at 1500 rpm - shaft ø 55 mm.

Transmitted torque =  $(30 \times 9550) / 1500 = 191 \text{ Nm}$  - Service factor 1,5 - Corrected torque =  $191 \times 1,5 = 286,5 \text{ Nm}$ .  
Selection of bush : 65x45 SC  $\Rightarrow$  Corrected torque = 286.5 Nm (1296 Nm maxi ) shaft ø 55 (ø maxi of 60 mm).

Number of screws needed (4, 6, or 8) :

Number of screws =  $2865 / (2.7 \times 55) = 1.93$  , Tightening screws to use = 4

### • Control of the component (except standard products)

Control that the component resists to the bush pressure.

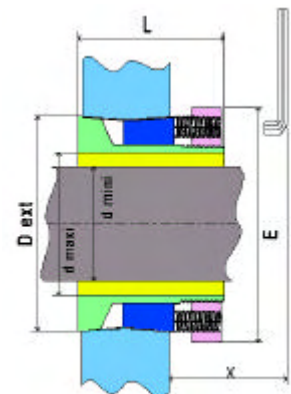
(we need a minimum of material around the bush, see the following table)

Bush type	11.08 (28.20)	12.10 (30.25)	16.10 (40.25)	20.12 (50.30)	25.17 (65.45)	30.20 (75.50)	35.35 (90.90)
Number of screws	4 6 8	4 6 8	4 6 8	4 6 8	4 6 8	4 6 8	4 6 8
FGL 250 Cast iron	53 63 74	60 67 75	77 89 103	85 93 101	100 108 117	148 173 205	16 18 204
FGS Cast iron	47 53 59	56 60 65	70 77 85	80 85 90	95 100 105	134 148 164	14 16 173
Steel XC 38	42 45 48	52 54 56	63 67 68	76 79 81	90 93 96	122 128 135	13 14 149

*Minimal material diameter around the bush following the component material (in mm)*

### • Installation : see technical sheet 72001-02/97

Type of SC bush	Screw type classe 12.9	Tightening screws			Removing screws		Screw number	Key (mm)
		Maxi number of screw	Key (mm)	Tightening torque dvised (Nm)	Special screw type ø	L (mm)		
10.08 (25.20)	HC M4x12	8	2	2.5	1/4"	13	3	3
11.08 (28.20)	HC M4x12	8	2	2.5	1/4"	13	3	3
12.10 (30.25)	HC M4x16	8	2	2.5	3/8"	16	3	5
16.10 (40.25)	HC M5x20	8	2.5	4.5	3/8"	16	3	5
20.12 (50.30)	HC M5x20	8	2.5	4.5	7/16"	22	3	5
25.17 (65.45)	HC M6x25	8	3	8	1/2"	25	3	6
30.20 (75.50)	HC M10x25	8	5	38	5/8"	32	3	8
35.35 (90.90)	HC M12x25	8	6	65	1/2"	25	5	6
40.40 (100.100)	HC M12x30	8	6	65	5/8"	32	5	8
45.45 (115.115)	HC M12x30	8	6	65	HC M20	50	5	10
50.50 (125.125)	HC M12x30	8	6	65	HC M22	50	5	12



**■** A standard taper-bush cannot be used with the double cone bore.

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**GENERAL CHARACTERISTICS**

Type of SC bush	d min. mm	d max. mm	ext.D mm	L mm	E mm	Sleeve internal diameter mm	X (*)	Weight ■ in kg
10.08 (25.20) (▲)	10	22	35,35	33	36,5	10, 12, 14, 15, 16, 18, 19, 20 1/2", 9/16", 5/8", 11/16"	34	0.12
11.08 (28.20)	12	24	38,50	33	38,5	12, 14, 15, 16, 18, 19, 20, 22 1/2", 9/16", 5/8", 11/16", 3/4"	34	0.15
12.10 (30.25)	14	28	47,9	41	48	14, 15, 16, 18, 19, 20, 22, 24, 25 1/2", 9/16", 5/8", 11/16"	38	0.32
16.10 (40.25)	14	38	57,42	45	57,5	14, 15, 16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"	44	0.42
20.12 (50.30)	16	48	70,12	52	70	16, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45 1/2", 3/4", 13/16", 7/8", 15/16", 1", 1"1/16, 1"1/8, 1"3/16", 1"1/4, 1"5/16, 1"3/8, 1"7/16, 1"1/2	44	0.69
25.17 (65.45)	18	60	86	66	86	18, 19, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55 3/4", 13/16", 7/8", 15/16", 1"1/16, 1"1/8, 1"3/16, 1"1/4, 1"5/16, 1"3/8, 1"7/16, 1"1/2	52	1.32
30.20 (75.50)	25	70	108.2	74	108	25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65 1", 1"1/16, 1"1/8, 1"3/16, 1"1/4, 1"5/16, 1"3/8, 1"7/16, 1"1/2, 1"5/8, 1"3/4, 1"7/8	62	2.74
35.35 (90.90)	35	80	127.2	118	128	35, 38, 40, 42, 45, 48, 50, 55, 60, 65, 70, 75 1"7/16, 2"5/8	67	6.3
40.40 (100.100) (▲)	48	90	146,29	132	145	50, 55, 60, 65, 70, 75, 80, 85 ON REQUEST	72	9
45.45 (115.115) (▲)	55	105	162,14	147	161	60, 65, 70, 75, 80, 85, 90, 95, 100 ON REQUEST	72	12.3
50.50 (125.125) (▲)	60	115	178,02	158	177	65, 70, 75, 80, 85, 90, 95, 100, 105, 110 ON REQUEST	72	16.2

(\*) Installation length for Vecobloc SC bush.

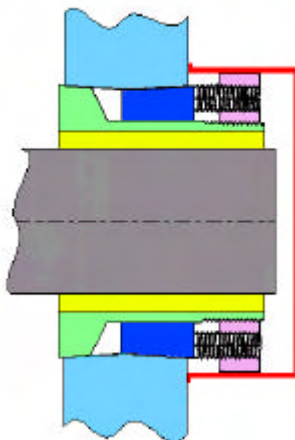
(▲) Bush type on request.

(■) Bush with no sleeve.

**Protection cap :**

The red cap of the packing can be used as a protection cap. It protects against dust, oxydation.

- Material : high pressure, low density polyethylene (PELD).
- Working temperature : from -30°C to +70°C.
- Can be used in food industry - Good resistance to hydrocarbon.
- Good resistance to solvents ( T° < 60°C).
- Good resistance to detergents.
- Slow attack from oxydes - Good resistance to dilute acids

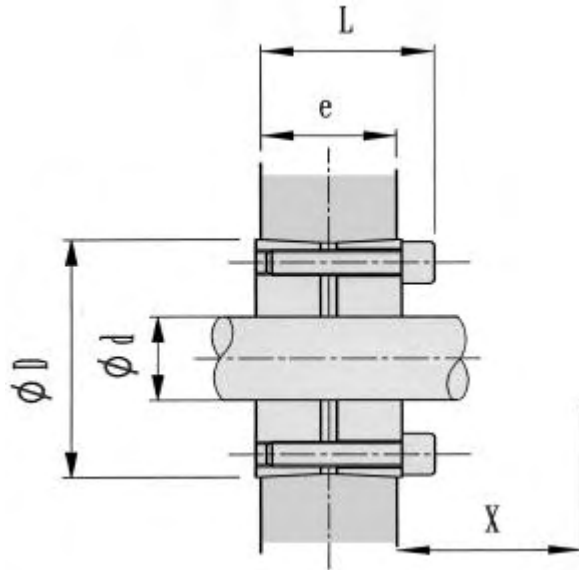
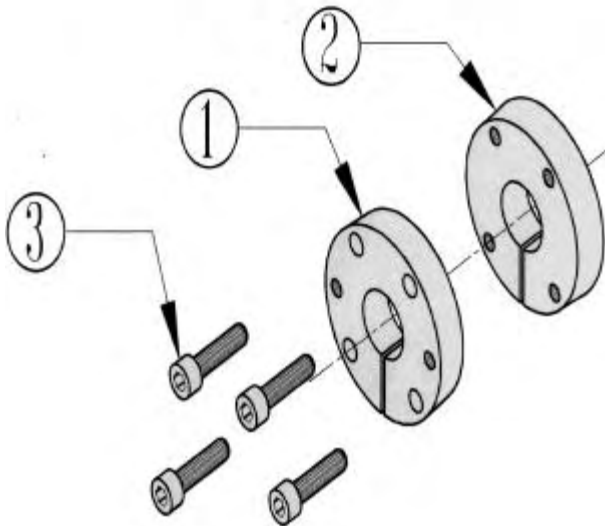


We can fill in the cap with grease to have a better protection against oxydation.

VECOBLOC SC TYPE	10.08 25.20	11.08 28.20	12.10 30.25	16.10 40.25	20.12 50.30	25.17 65.45
CAP REFERENCE	58	60	75	82	89B	101
VECOBLOC SC TYPE	30.20 75.50	35.35 90.90	40.40 100.100	45.45 115.115	50.50 125.125	
CAP REFERENCE	119	127C	135	141	149	

## General Characteristics

- 1 : front cone
- 2 : back cone
- 3 : tightening screw (and removing)



### Function

Allow to install a component on a shaft. It makes synchronisation, indexing and axial positioning easier. It can be installed on both sides

### General Characteristics

- Mild-hard steel
- No working temperatur limit
- Easier Installation and removal
- Shaft tolerance : h8

### Technical Characteristics

<b>(11.08) 28.20 SCL</b>				
4 tightening screw ChcM3x20, key of 2.5 Tightening torque Cs=1.2mN				
Ø d	transmitted torque (mN)	Ø D	L	e
14	69	38.5	23	20
19	94	38.5	23	20
20	99	38.5	23	20
Dimension for installation and removal X=25				

<b>(12.10) 30.25 SCL</b>				
4 tightening screw ChcM4x25, key of 3 Tightening torque Cs=3mN				
Ø d	transmission torque (mN)	Ø D	L	e
14	119	47.9	29	25
19	161	47.9	29	25
20	170	47.9	29	25
24	203	47.9	29	25
25	212	47.9	29	25
Dimension for installation and removal X=31				

<b>(16.10) 40.25 SCL</b>				
4 tightening screw ChcM6x25, key of 5 Tightening torque Cs=10mN				
Ø d	transmitted torque (mN)	Ø D	L	e
19	232	57.4	31	25
20	244	57.4	31	25
24	293	57.4	31	25
25	305	57.4	31	25
28	342	57.4	31	25
30	366	57.4	31	25
35	427	57.4	31	25
Dimension for installation and removal X=39				

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## General Characteristics

(20.12) 50.30 SCL				
4 tightening screw ChcM6x30, key of 5 Tightening torque Cs=10mN				
Ø d	transmitted torque (mN)	Ø D	L	e
25	304	70.1	36	30
28	341	70.1	36	30
30	365	70.1	36	30
35	426	70.1	36	30
38	462	70.1	36	30
40	487	70.1	36	30
42	511	70.1	36	30
Dimension for installation and removal X=39				

(25.17) 65.45 SCL				
4 tightening screw ChcM8x45, key of 6 Tightening torque Cs=23mN				
Ø d	transmitted torque (mN)	Ø D	L	e
35	643	86	53	45
38	698	86	53	45
40	735	86	53	45
42	772	86	53	45
45	827	86	53	45
48	882	86	53	45
50	919	86	53	45
55	1011	86	53	45
Dimension for installation and removal X=55				

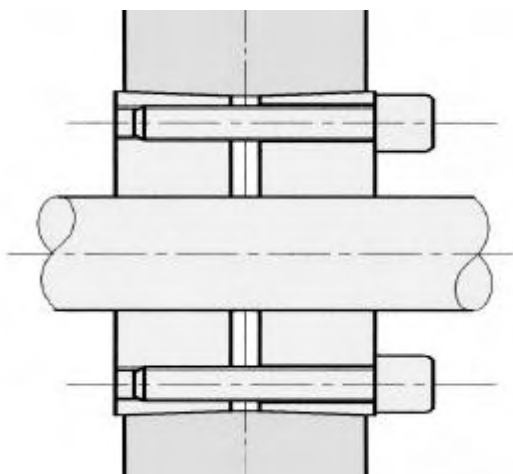
### Installation guide

- The torque is transmitted by friction. All the surfaces in contact (cone and bore) must be clean and can be oiled a little. Do not use oil with bisulfure of molybdene.
- Install the back cone (2) on shaft.
- Install the component on the back cone.
- Install the front cone (1). The slot of the back cone and front cone must be aligned.
- Tighten alternately the screws (3) until you obtain the torque Cs.

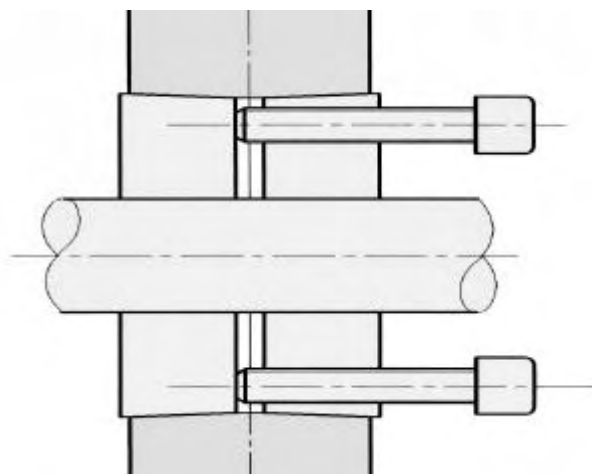
### Removal guide

- Untighten the 4 screws and place two of them in the threaded holes of the front cone (1) .
- Tighten alternately these 2 screws to remove the front and back cone.

#### Installation



#### Removal





# Поставки промышленного оборудования

## Системы линейного перемещения:

- линейные подшипники
- линейные направляющие
- прецизионные валы
- линейные модули
- координатные столы
- системы позиционирования
- шариковинтовые передачи (ШВП),  
и роликвинтовые передачи (РВП),  
стандартизованные и по чертежам  
заказчика, опоры к ШВП и РВП
- линейные приводы и актуаторы
- электромеханические приводы

## Сборочные технологии:

- модульные системы профилей

## Прецизионное оборудование:

- шпиндели

## Промышленные вентиляторы:

- центробежные вентиляторы низкого,  
среднего и высокого давления
- осевые вентиляторы
- калориферы
- канальные вентиляторы
- вентиляторы отводного канала
- крышные вентиляторы
- бытовые вентиляторы

## Другая продукция:

- опорно-поворотные устройства
- шариковые опоры
- уплотнения, муфты, ремни, шкивы
- другая продукция промышленного  
назначения

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