

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

**A: Fabric Back Endless Seal** (eg, endless types M1, M5, M9, Elast-O-Lion® or Utraglide)

**B: Fabric Back Split Seal** (eg, split types M1, M5, M9, Elast-O-Lion® or Utraglide)

**C: Metal Band — Self-retaining Seal** (eg, M6, M8, Elast-O-Lion® or Utraglide with 'M' or 'S' backs)

*Please read these instructions before starting to fit the seal*

### A: Fabric Back Endless Seal (eg, endless types M1, M5, M9, Elast-O-Lion® or Utraglide)

A1



Check that:

Seal is in excellent condition.  
Shaft has recommended lead-in chamfer.  
Shaft and housing are burr-free.

- Ⓕ Vérifiez le joint, l'arbre et le logement
- Ⓖ Die Dichtung, die Welle und das Gehäuse kontrollieren
- Ⓝ Controleer de seal, de as en de behuizing
- Ⓔ Comprobar el retén, el eje y el alojamiento

A2



Thoroughly clean the housing and adjacent shaft. Wipe the seal with a clean cloth to remove any dust that has collected in storage.

- Ⓕ Nettoyez le logement et l'arbre  
Essuyez le joint
- Ⓖ Das Gehäuse und die Welle säubern. Dichtung säubern
- Ⓝ Maak de behuizing en de daarbij behorende as schoon. Maak de seal schoon
- Ⓔ Limpiar el alojamiento y la zona adyacente del eje. Limpiar el retén

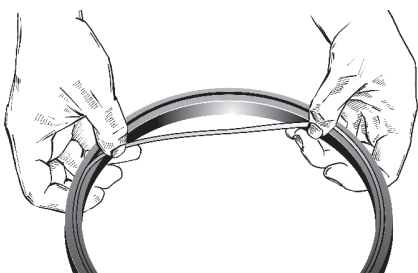
A3



Apply a smear of oil or grease to the seal lip, spring groove, spring housing and shaft immediately before fitting. For this, use the bearing lubricant, or other lubricant compatible with the media being sealed.

- Ⓕ Lubrifiez la lèvre du joint, la gorge du ressort et l'arbre
- Ⓖ Dichtungslippe, Feder und Welle schmieren
- Ⓝ Smeer de lip van de seal, de veer en as
- Ⓔ Lubricar el labio del retén, el muelle y el eje

A4

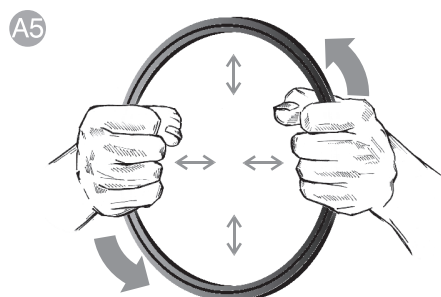


Ensure spring is fitted correctly in recess behind the seal lip.

- Ⓕ Installez le ressort
- Ⓖ Feder montieren
- Ⓝ Breng de veer op zijn plaats
- Ⓔ Montar el muelle

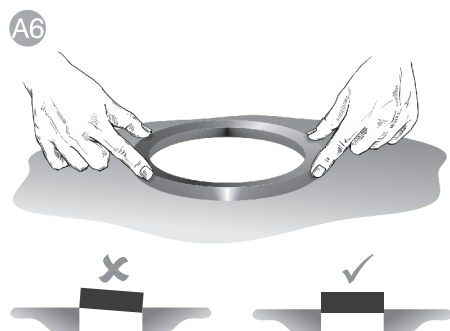
## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### A: Fabric Back Endless Seal



Flex the seal in hands to ensure an even distribution of spring tension.

- (F)** Tirez sur le joint pour égaliser la tension
- (D)** Dichtung biegen um die Spannung zu verteilen.
- (NL)** Buig de seal in de juiste vorm
- (ES)** Flexar el retén para distribuir la tensión del muelle

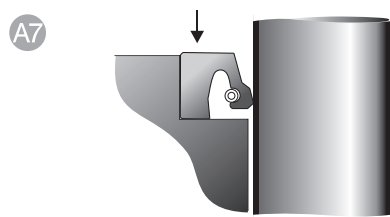


**(i)** When seal is in housing, the spring and lip should face the fluid to be sealed.

< 500mm OD — insert seal evenly into housing to one-third of seal depth.

≥ 500mm OD — insert seal into housing to one-third of seal depth at 12, 6, 9, & 3 o'clock positions, respectively. Then fit at intermediate positions.

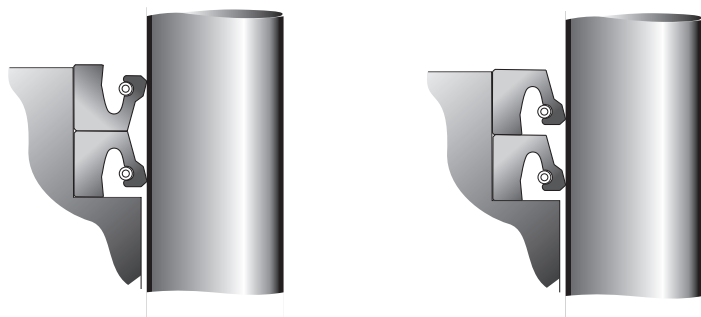
- (F)** Insérez le joint dans son logement à 1/3 de profondeur
- (D)** Dichtung ins Gehäuse einbringen bis 1/3 der Einbauhöhe
- (NL)** Druk de seal met enige inspanning op 1/3 diepte in de behuizing
- (ES)** Insertar el retén en el alojamiento 1/3 de la profundidad



Push seal firmly and evenly until it is seated securely at bottom of housing.

- (F)** Poussez uniformément sur le joint jusqu'à ce qu'il soit en place
- (D)** Gleichmäßiges Drücken der Dichtung ermöglicht Einbau ins Gehäuse
- (NL)** Druk de seal gelijkmatig aan tot deze helemaal in de behuizing zit
- (ES)** Empujar el retén uniformemente hasta que encaje

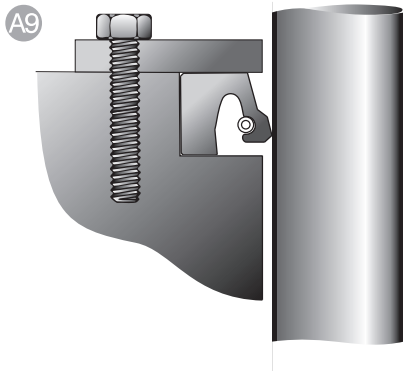
**A8** Fit further seal, if required, repeating steps A1 - A7.



- (F)** Installez un autre joint si nécessaire (répéter étapes A1-A7)
- (D)** Weitere Dichtungen einbauen, wenn erforderlich (Schritte A1-A7 wiederholen)
- (NL)** Plaats nog een seal, indien noodzakelijk (stappen A1-A7)
- (ES)** Montar retenes adicionales si fuera necesario (pasos A1-A7)

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### A: Fabric Back Endless Seal



Fit retaining plate and tighten evenly until metal-to-metal contact is achieved.

- ⓕ Fixez la plaque de retenue de façon uniforme
- ⓓ Rückhalteplatte verschrauben.
- ⓃL Plaats de opsluitdeksel gelijkmatig
- ⓔS Ajustar la palca de retención uniformemente

### B: Fabric Back Split Seal (eg, split types M1, M5, M9, Elast-O-Lion® or Ultraglide)



Check that:

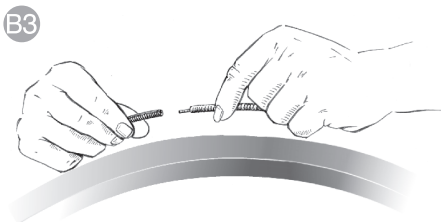
Seal is in excellent condition.  
Shaft and housing are burr-free.

- ⓕ Vérifiez le joint, l'arbre et le logement
- ⓓ Die Dichtung, die Welle und das Gehäuse kontrollieren
- ⓃL Controleer de seal, de as en de behuizing
- ⓔS Comprobar el retén, el eje y el alojamiento

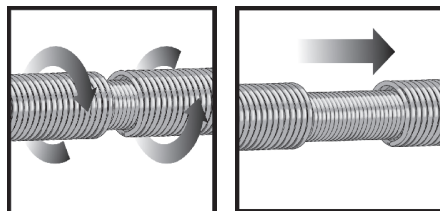


Thoroughly clean the housing and adjacent shaft. Wipe the seal with a clean cloth to remove any dust that has collected in storage.

- ⓕ Nettoyez le logement et l'arbre. Essuyez le joint
- ⓓ Das Gehäuse und die Welle säubern. Dichtung säubern.
- ⓃL Maak de behuizing en de daarbij behorende as schoon. Maak de seal schoon
- ⓔS Limpiar el alojamiento y la zona adyacente del eje. Limpiar el retén



Take the seal spring, unscrew at the join. It has a left-hand thread.

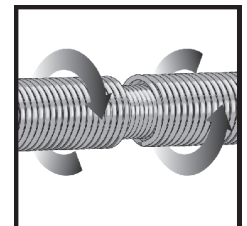
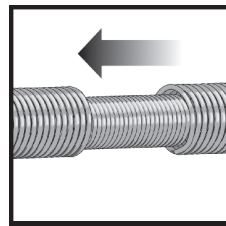
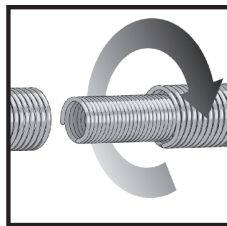
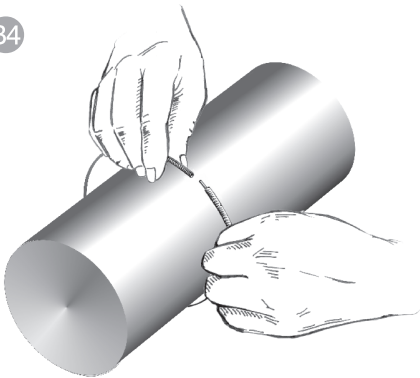


- ⓕ Dévisser le ressort, pas à gauche
- ⓓ Feder in Verbindungspunkt aufdrehen
- ⓃL Neem de splitverbinding van de veer los
- ⓔS Desenroscar el muelle en su unión

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### B: Fabric Back Split Seal

B4



Place spring around shaft. Twist spring several times as if unscrewing, then place ends together and rejoin spring by screwing ends together in opposite direction.

- Ⓕ **Passez le ressort autour de l'arbre et rejoignez. Revisser le, pas à gauche**
- Ⓖ **Die Feder um die Welle herum legen, sie wieder zusammendrehen**
- Ⓗ **Breng de veer om de as en bevestig**
- Ⓘ **Pasar el muelle alrededor del eje y juntarlos**

B5



Bend outwards the ends of the seal to counter any tendency to curl inwards.



- Ⓕ **Courbez les extrémités du joint vers l'extérieur**
- Ⓖ **Enden der Dichtung nach außen biegen, um dem Einfallen der Dichtungsenden entgegen zu wirken.**
- Ⓗ **Buig de seal uiteinden naar buiten**
- Ⓘ **Doblar los extremos de retén hacia fuera**

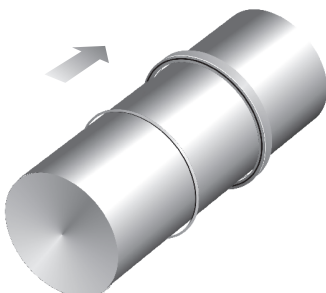
B6



Apply a smear of oil or grease to the seal lip, spring groove, spring housing and shaft immediately before fitting. For this, use the bearing lubricant, or other lubricant compatible with the media being sealed.

- Ⓕ **Lubrifiez la lèvre du joint, la gorge du ressort et l'arbre**
- Ⓖ **Schmieren der Dichtungslippe, Feder und Welle**
- Ⓗ **Smeer de lip van de seal, de veer en de as**
- Ⓘ **Lubricar el labio del retén, el muelle y el eje**

B7



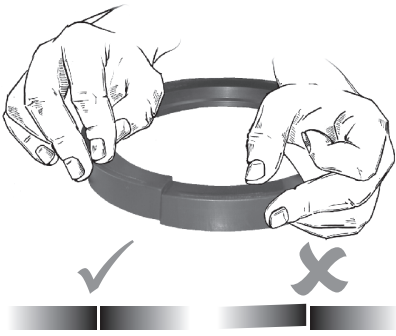
Pass seal around shaft, with lip and spring recess facing the fluid to be sealed. Carefully fit spring into recess behind lip.

- Ⓕ **Positionnez le joint et installez le ressort avec précaution**
- Ⓖ **Dichtung positionieren und Feder sorgfältig einbauen.**
- Ⓗ **Breng de veer op zijn plaats**
- Ⓘ **Posicionar el retén y montar el muelle cuidadosamente**

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### B: Fabric Back Split Seal

B8



Insert seal evenly into housing with split section first.

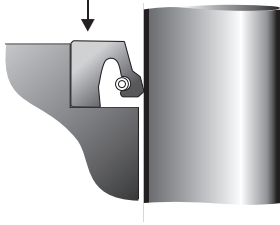
**i** On horizontal shafts put split at top.

< 500mm OD — enter seal evenly into housing to one-third of seal depth.

≥ 500mm OD — insert seal into housing to one-third of seal depth at 12, 6, 9, & 3 o'clock positions, respectively. Then fit at intermediate positions.

- Ⓕ Insérez le joint dans son logement à 1/3 de profondeur
- Ⓖ Dichtung ins Gehäuse einbringen bis 1/3 der Einbauhöhe
- Ⓝ Druk de seal met enige inspanning op 1/3 diepte in de behuizing
- Ⓔ Insertar el retén en el alojamiento 1/3 de la profundidad

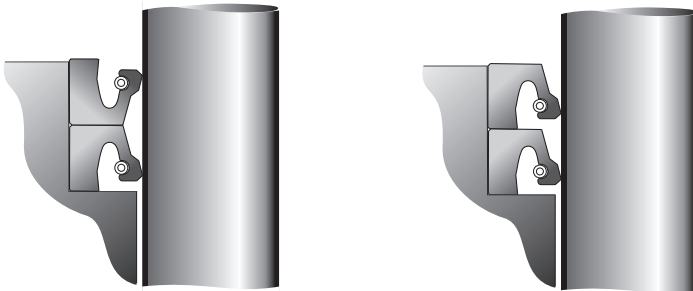
B9



Press the seal firmly and evenly until it is seated securely at bottom of housing.

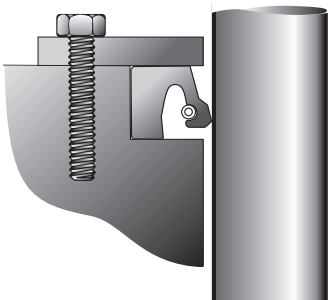
- Ⓕ Poussez uniformément sur le joint jusqu'à ce qu'il soit en place
- Ⓖ Gleichmäßiges Drücken der Dichtung ermöglicht Einbau ins Gehäuse
- Ⓝ Druk de seal gelijkmatig aan tot deze in de behuizing zit
- Ⓔ Empujar el retén uniformemente hasta que encaje

B10 Fit further seal, if required, by repeating steps B1 - B9.



- Ⓕ Installez un autre joint si nécessaire (répéter étapes B1 à B9)
- Ⓖ Weitere Dichtungen einbauen, wenn erforderlich (Schritte B1-B9 wiederholen)
- Ⓝ Plaats nog een seal, indien noodzakelijk (stappen B1-B9)
- Ⓔ Montar retenes adicionales si fuera necesario (pasos B1-B9)

B11



Fit retaining plate and tighten evenly until metal-to-metal contact is achieved.

- Ⓕ Fixez la plaque de retenue de façon uniforme
- Ⓖ Rückhalteplatte verschrauben.
- Ⓝ Plaats de opsluitdeksel gelijkmatig
- Ⓔ Ajustar la palca de retención uniformemente

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### C: Metal Band - Self-retaining Seal (eg, endless types M6, M8, Elast-O-Lion® or Ultraglide with 'M' or 'S' backs)

C1



Check that:

Seal is in excellent condition.  
Shaft has recommended lead-in chamfer.  
Shaft and housing are burr-free.

- Ⓕ Vérifiez le joint, l'arbre et le logement
- Ⓖ Die Dichtung, die Welle und das Gehäuse kontrollieren
- Ⓗ Controleer de seal, de as en de behuizing
- Ⓔ Comprobar el retén, el eje y el alojamiento

C2



Thoroughly clean the housing and adjacent shaft. Wipe the seal with a clean cloth to remove any dust that has collected in storage.

- Ⓕ Nettoyez le logement et l'arbre. Essuyez le joint
- Ⓖ Das Gehäuse und die Welle säubern. Dichtung säubern
- Ⓗ Maak de behuizing en de daarbij behorende as schoon. Maak de seal schoon
- Ⓔ Limpiar el alojamiento y la zona adyacente del eje. Limpiar el retén

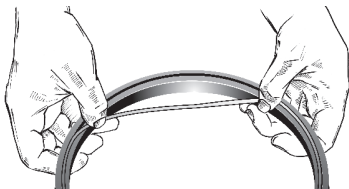
C3



Apply a smear of oil or grease to the seal lip, spring groove, spring housing and shaft immediately before fitting. For this, use the bearing lubricant, or other lubricant compatible with the media being sealed.

- Ⓕ Lubrifier tout le joint, la gorge du ressort et l'arbre
- Ⓖ Dichtungslippe, Feder und Welle schmieren
- Ⓗ Smeer de lip van de seal, de rug van de seal, de veer, de behuizing en de as
- Ⓔ Lubricar el labio del retén, el muelle, y el eje

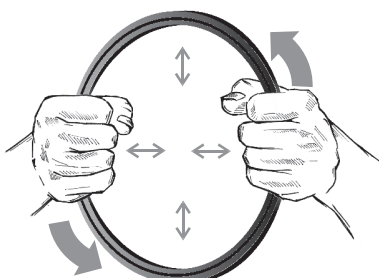
C4



Ensure spring is fitted correctly in recess behind the seal lip.

- Ⓕ Installez le ressort
- Ⓖ Feder montieren
- Ⓗ Plaats de veer
- Ⓔ Montar el muelle

C5

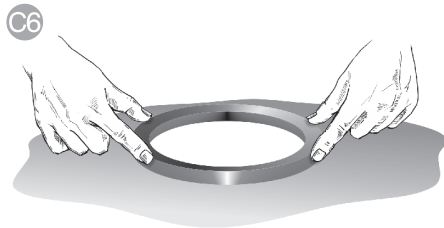


Flex the seal in hands to ensure an even distribution of spring tension.

- Ⓕ Tirez sur le joint pour égaliser la tension du ressort
- Ⓖ Dichtung walken um mögliche entstandene Spannungen zu verteilen.
- Ⓗ Buig de seal in de juiste vorm
- Ⓔ Flexar el retén para distribuir la tensión del muelle

## Fitting Guide for Walkersele® Rotary Lip Seals Issue 2

### C: Metal Band - Self-retaining Seal



**i** When seal is in housing, the spring and lip should face the fluid to be sealed.

Insert seal into housing.

**i** If join in metal band is visible, insert this area first.

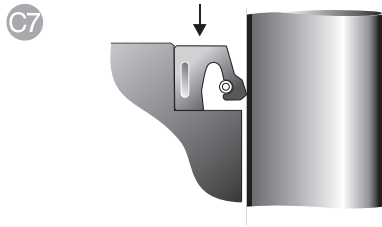
< 70mm OD — insert seal evenly into housing.

70mm - 450mm OD — leave 20% of seal out of housing, then ease in using downward and inward pressure.

> 450mm — loop the seal into housing.

**i** Do not dislodge the spring.

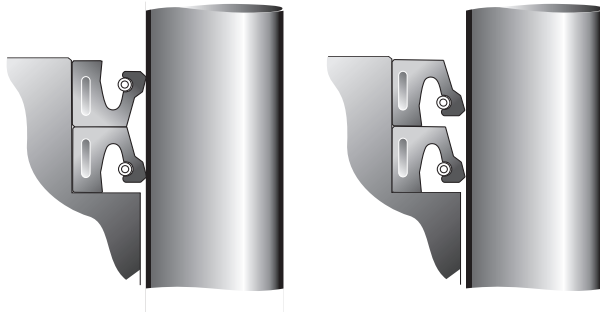
- F** Insérez le joint dans son logement
- D** Dichtung ins Gehäuse einbringen.
- NL** Druk de seal in de behuizing
- ES** Insertar el retén en el alojamiento



Push the seal firmly and evenly until it is seated securely at bottom of housing.

- F** Poussez uniformément sur le joint jusqu'à ce qu'il soit en place
- D** Gleichmäßiges Drücken der Dichtung ermöglicht Einbau ins Gehäuse
- NL** Druk de seal gelijkmatig aan tot deze in de behuizing zit
- ES** Empujar el retén uniformemente hasta que encaje

C8 Fit further seal, if required, by repeating steps C1 - C7.



- F** Installez un autre joint si nécessaire (répéter étapes C1 à C7)
- D** Weitere Dichtungen einbauen, wenn erforderlich (Schritte C1-C7 wiederholen)
- NL** Plaats nog een seal, indien noodzakelijk (stappen C1-C7)
- ES** Montar retenes adicionales si fuera necesario (pasos C1-C7)

Material Safety Data Sheets are available on request

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