

ORFIZIP® WRIST

A. GENERAL PRODUCT INFORMATION

ORFIZIP® is a low temperature thermoplastic material, embedded in an elastic fabric and finished with a zip closure. ORFIZIP® is applied directly to the patient after it is activated. ORFIZIP® Wrist is a removable wrist cast for indications as: forearm fractures, wrist sprains, post-operative immobilisation, carpal tunnel syndrome, rheumatoid arthritis etc...

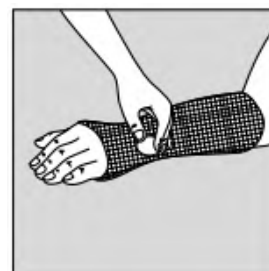
B. PRODUCT RANGE

ORFIZIP® Wrist is available in 4 different sizes, 2 thicknesses and 2 different perforation types. The thermoplastic is ORFIT® Classic.

Article number	Size	Design	Thickness	Perforation Type
39099	Extra-Small	Wrist	2 mm	Maxi perforated
39100	Small			
39101	Medium			
39102	Large			
39105	Small		3 mm	Mini perforated
39106	Medium			
39107	Large			

C. PRECAUTIONS BEFORE USE

1. workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.
4. **Make sure that the temperature of the activated material will not burn the patient. Mind the metal tab which can get very hot!**
5. Make sure the correct size is available before preparing the patient and activating ORFIZIP®. Be aware that overly large sizes cannot be made smaller whereas overly small sizes can be stretched if necessary.
6. Prepare the patient as you would for a regular plastercast (tubular stockinette) but without the traditional undercast padding. If necessary, protect the ulnar styloid with a piece of LUXOFOAM®.



D. SIZING



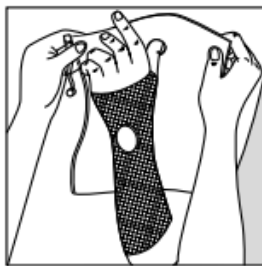
Measure the wrist circumference, distal to the ulnar styloid and determine the size of the ORFIZIP® splint using the table of measurements hereafter.

		2 mm (1/12") Maxi Perfo	3 mm (1 /8") Mini Perfo
Extra-small	11-13 cm 4"-5"	Art. no. 39099	-
Small	14-18 cm 5 1/2"-7"	Art. no. 39100	Art. no. 39105
Medium	19-22 cm 7 1/2"-8 1/2"	Art. no. 39101	Art. no. 39106
Large	23-26 cm 9"-10"	Art. no. 39102	Art. no. 39107

E. ACTIVATION TECHNIQUE

- ORFIZIP® is softened by heating at a minimum temperature of 65°C (149°F). Possible activation sources are: water bath Suspan no. 1 (art. no. 35096) and Suspan no. 2 (art. no. 35240), heat gun (art. no. 35351), heating plate, or oven. Do not use a microwave oven because of the metal ziptab. The activation time depends on the heat source and the sizes, and varies from 5 to 15 minutes.
 - To activate ORFIZIP® in hot water, it must be vacuum packed. An indicator, placed in the corner of the packaging, turns transparent when the activation temperature has been reached. ORFIZIP® can then be removed from the bath and the packaging opened. Cut the bag at the bottom side, close to ORFIZIP®, to facilitate air penetration. Do not cut alongside the zipper which could damage it.
 - When heating ORFIZIP® in an oven or with a heavy duty heat gun, it has to be taken out of the plastic bag first. The oven temperature can be turned up to 120°C (248°F) without damaging the fabric or the zipper. Make sure ORFIZIP® is homogeneously activated and can easily be stretched out, but mind the heat of the metal parts. Use cold water or spray to cool them down.
 - When using a heat gun, place ORFIZIP® in a heat resistant cylinder to save heat. Blow very hot air in the center of the recipient but avoid direct air flow on ORFIZIP® which could cause burns. Wear insulating gloves.
15. **Be careful: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna or the proximity of an open fireplace.**
16. **Never use an open flame to activate ORFIZIP®.**

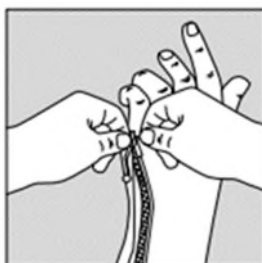
F. APPLICATION



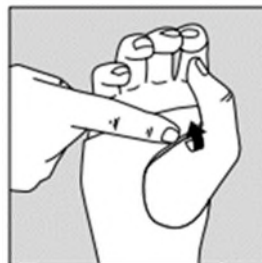
Position the ORFIZIP® splint over the patient's thumb with the ziptab pointing to the palmar aspect of the hand.



Position the wrist as required and mould the ORFIZIP® wrist splint.



Stretch ORFIZIP® broadwise to ease the zip closing.



Roll the edges at the thumb area before the splint has hardened.



Hold the zip closure while pulling the tab downwards.

G. FINISHING

1. Trim at length using an appropriate pair of scissors (art. no. 35063) and watch the finishing of the edge. If necessary, use a self-adhesive ORFILASTIC® finishing strip (art. no. 35116).
2. If trimming is necessary across the zipper, pinch a staple at the end of each ziphalf or stick some dry-heated ORFIT® to stop it from graying.
3. Heat ORFIZIP® locally with a heat gun to cut windows.
4. The zipper can be locked (if done/doff is not allowed temporarily) by adhering a piece of dry heated ORFIT® Classic, (such as the indicator) behind the ziptab. The locker can be removed later with a heat gun.
5. No packaging is needed to reactivate ORFIZIP® whether in water or in an oven.

H. MAINTENANCE AND WASTE MANAGEMENT

ORFIZIP® braces must be washed regularly in lukewarm water with washing powder, rinsed well and properly dried at (max. 40°C - 104°F) before reapplied.

!Never use solvents, avoid acid detergents.

Sterilisation of ORFIZIP® braces in an autoclave is impossible. Sterilisation by means of gas treatment is possible.

After use, ORFIZIP® can be disposed of with normal household waste without harming the environment. ORFIZIP® (except from the ziptab) is biodegradable.

I. ADVICE FOR THE PATIENT

Give the patient sufficient information about the exact use of the orthosis and about the possible constraints of the splint.

!For patients who sweat abundantly or easily develop skin irritations, a tubular stockinette is recommended.

J. STORAGE

- ORFIZIP® should be stored horizontally.
- Stock keeping should as much be in a dark, cool, dry place at a min. temperature of 10°C (50°F) and max. 30°C (86°F) and in the original packaging.

Low temperature thermoplastics can only be kept for a limited period of time and must be protected as much as possible from light, heat and humidity. The material ages in relation to storage circumstances. When aged, it becomes brittle and too stretchy when activated.

K. GENERAL SAFETY ADVICE

- ORFIZIP® is not suitable for internal use. It may not be used on open wounds or in the mouth.
- !• Never use an open flame to activate ORFIZIP®.
- !• ORFIZIP® Wrist braces may only be applied by qualified health professionals.

L. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

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ORFIZIP® WRIST & THUMB

A. GENERAL PRODUCT INFORMATION

ORFIZIP® is a low temperature thermoplastic material, embedded in an elastic fabric and finished with a zip closure. ORFIZIP® is applied directly to the patient after it is activated.

ORFIZIP® Wrist & Thumb is a removable wrist cast indicated for Scaphoid fractures, Bennett fractures, MCP strains, De Quervain tendinitis, post-operative immobilisation of wrist and thumb, etc....

B. PRODUCT RANGE

ORFIZIP® Wrist & Thumb is available in 4 different sizes, 2 thicknesses and 2 different perforation types. The thermoplastic is ORFIT® Classic.

Article number	Size	Design	Thickness	Perforation Type
39199	Extra Small	Wrist/thumb	2 mm	Maxi perforated
39200	Small			
39201	Medium			
39202	Large			
39205	Small		3 mm	Mini perforated
39206	Medium			
39207	Large			

C. SIZING



Measure the wrist circumference, distal to the ulnar styloid and determine the size of the ORFIZIP® splint using the table of measurements hereafter.

		2 mm ($\frac{1}{12}$ " Maxi Perfo	3 mm ($\frac{1}{8}$ " Mini Perfo
Extra Small	11-13 cm 4"-5"	Art. no. 39199	-
Small	14-18 cm 5 $\frac{1}{2}$ "-7"	Art. no. 39200	Art. no. 39205
Medium	19-22 cm 7 $\frac{1}{2}$ "-8 $\frac{1}{2}$ "	Art. no. 39201	Art. no. 39206
Large	23-26 cm 9"-10"	Art. no. 39202	Art. no. 39207

D. PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.
4. **Make sure that the temperature of the activated material will not burn the patient. Mind the metal tab which can get very hot!**
5. Make sure the correct size is available before preparing the patient and activating ORFIZIP®. Be aware that overly large sizes cannot be made smaller whereas overly small sizes can be stretched if necessary.
6. Prepare the patient as you would for a regular plastercast (tubular stockinette) but without the traditional undercast padding. If necessary, protect the ulnar styloid with a piece of LUXOFOAM®.

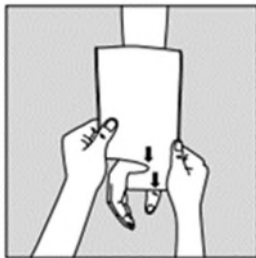


E. ACTIVATION TECHNIQUE

1. ORFIZIP® is softened by heating at a minimum temperature of 65°C (149°F). Possible activation sources are: water bath Suspan no. 1 (art. no. 35096) and Suspan no. 2 (art. no. 35240), heat gun (art. no. 35351), heating plate, or oven. Do not use a microwave oven because of the metal ziptab. The activation time depends on the heat source and the sizes, and varies from 5 to 15 minutes.
 2. To activate ORFIZIP® in hot water, it must be vacuum packed. An indicator, placed in the corner of the packaging, turns transparent when the activation temperature has been reached. ORFIZIP® can then be removed from the bath and the packaging opened. Cut the bag at the bottom side, close to ORFIZIP®, to facilitate air penetration. Do not cut alongside the zipper which could damage it.
 3. When heating ORFIZIP® in an oven or with a heavy duty heat gun, it has to be taken out of the plastic bag first. The oven temperature can be turned up to 120°C (248°F) without damaging the fabric or the zipper. Make sure ORFIZIP® is homogeneously activated and can easily be stretched out, but mind the heat of the metal parts. Use cold water or spray to cool them down.
 4. When using a heat gun, place ORFIZIP® in a heat resistant cylinder to save heat. Blow very hot air in the center of the recipient but avoid direct air flow on ORFIZIP® which could cause burns. Wear insulating gloves.
- 15. Be careful: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna or the proximity of an open fireplace.**
- 16. Never use an open flame to activate ORFIZIP®.**

F. APPLICATION

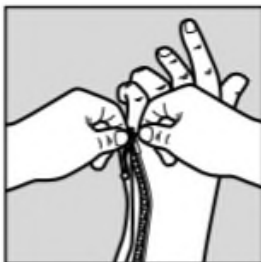
Let ORFIZIP® cool until it can be applied without discomfort.
Consider right-left side.



Position ORFIZIP® over the radial aspect of the forearm, the thumb flap pointing to the dorsal side of the hand and enters the first web-space. The distal edge reaches the interphalangeal joint.



Mould the ORFIZIP® brace and position the wrist & thumb as required.



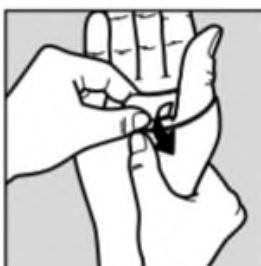
Stretch ORFIZIP® broadwise to ease the zip closing



Stick the enclosed self-adhesive loop and hook tape as shown to the thumb flap and heat the glue with a heat gun to enhance the bound.



Hold the zip closure while pulling the tab downwards.



Also stretch the thumb flap, turn it around the thumb and press it on the volar side of the splint surface.

G. FINISHING

1. Trim at length using an appropriate pair of scissors (art. no. 35063) and watch the finishing of the edge. If necessary, use a self-adhesive ORFILASTIC® finishing strip (art. no. 35116).
2. If trimming is necessary across the zipper, pinch a staple at the end of each ziphalf or stick some dryheated ORFIT® to stop it from graying.
3. Heat ORFIZIP® locally with a heat gun to cut windows.
4. The zipper can be locked (if done/doff is not allowed temporarily) by adhering a piece of dry heated ORFIT® Classic, (such as the indicator) behind the ziptab. The locker can be removed later with a heat gun.
5. No packaging is needed to reactivate ORFIZIP® whether in water or in an oven.

H. MAINTENANCE AND WASTE MANAGEMENT

ORFIZIP® braces must be washed regularly in lukewarm water with washing powder, rinsed well and properly dried at (max. 40°C - 104°F) before reapplied.

!Never use solvents, avoid acid detergents.

Sterilisation of ORFIZIP® braces in an autoclave is impossible. Sterilisation by means of gas treatment is possible.

After use, ORFIZIP® can be disposed of with normal household waste without harming the environment. ORFIZIP® (except from the ziptab) is biodegradable.

I. ADVICE FOR THE PATIENT

Give the patient sufficient information about the exact use of the orthosis and about the possible constraints of the splint.

!For patients who sweat abundantly or easily develop skin irritations, a tubular stockinette is recommended.

J. STORAGE

- ORFIZIP® should be stored horizontally.
- Stock keeping should as much be in a dark, cool, dry place at a min. temperature of 10°C (50°F) and max. 30°C (86°F) and in the original packaging.

Low temperature thermoplastics can only be kept for a limited period of time and must be protected as much as possible from light, heat and humidity. The material ages in relation to storage circumstances. When aged, it becomes brittle and too stretchy when activated.

K. GENERAL SAFETY ADVICE

- ORFIZIP® is not suitable for internal use. It may not be used on open wounds or in the mouth.
- ! **Never use an open flame to activate ORFIZIP®.**
- ! **ORFIZIP® Wrist & Thumb braces may only be applied by qualified health professionals.**

L. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

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ORFIZIP® KNEE

A. GENERAL PRODUCT INFORMATION

ORFIZIP® is a low temperature thermoplastic material, embedded in an elastic fabric and finished with a zip closure. ORFIZIP® is applied directly to the patient after it is activated.

The ORFIZIP® Knee is indicated for post-operative immobilisation, correction of knee flexor contractures, and as standing aid (hemiplegics - paraplegics).

B. PRODUCT RANGE

ORFIZIP® Knee is available in different sizes, and two thicknesses. The LTTP material is ORFIT® Classic 2 or 3,2 mm mini perforated.

Article number	Size	Design	Thickness	Perforation Type
39300	Extra Small	Knee	2 mm	Mini perforated
39301	Small			
39311	Medium			
39312	Large			
39313	Extra Large			

Article number	Size	Design	Thickness	Perforation Type
39305	Extra Small	Knee	3,2 mm	Mini perforated
39306	Small			
39316	Medium			
39317	Large			
39318	Extra Large			

C. PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.
- 14. Make sure that the temperature of the activated material will not burn the patient. Be careful with the zip closure: it can get very hot!**
5. Make sure the correct size is available before preparing the patient and activating ORFIZIP®. Be aware that overly large sizes cannot be made smaller whereas overly small sizes can be stretched if necessary.
6. Prepare the patient as you would for a regular plaster cast (tubular stockinette) but without the traditional under cast padding. If necessary, protect the fibula head with a piece of LUXOFOAM®.

D. SIZING

Measure the thigh perimeter at 1/2 distance between the trochanter major and the knee and determine the right size in the measurement table below.

		A	
	XS	38 - 43 cm	14,9 - 16,9 inch
	S	43,5 - 47 cm	17 - 18,4 inch
	M	47,5 - 53 cm	18,5 - 20,9 inch
	L	53,5 - 58 cm	21 - 22,9 inch
	XL	58,5 - 66 cm	23 - 26 inch

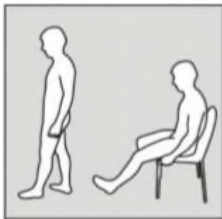
		B	
	XS	50 cm	19,7 inch
	S	55 cm	21,6 inch
	M	65 cm	25,6 inch
	L	70 cm	27,5 inch
	XL	70 cm	27,5 inch

E. ACTIVATION TECHNIQUE

- ORFIZIP® is softened by heating at a minimum temperature of 65°C (149°F). Possible activation sources are: water bath Suspan no. 1 (art. no. 35096), heating plate, or oven. The activation time depends on the heat source and the sizes, and varies from 5 to 15 minutes.
 - To activate ORFIZIP® in hot water, it must be vacuum packed. An indicator, placed in the corner(s) of the packaging, turns transparent when the activation temperature has been reached. ORFIZIP® can then be removed from the bath and the packaging opened. Cut the packaging at the bottom side, close ORFIZIP®, to facilitate air penetration. Do not cut along the zipper, which could cause permanent damage to it.
 - When dry heating ORFIZIP® in an oven, it has to be taken out of the packaging first. The oven temperature can be turned up to 120°C (248°F) without damaging the fabric and the zipper. Make sure ORFIZIP® is homogeneously activated and can easily be stretched out, but mind the heat of the metal parts. Use cold water or spray to cool the metal parts.
- 14. Be careful: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna or the proximity of an open fireplace.**
- 15. Never use an open flame to activate ORFIZIP®.**

F. APPLICATION

Let ORFIZIP® cool until it can be applied without discomfort.



The patient can be standing, sitting or lying.



Ask the patient to hold the proximal edge of the ORFIZIP® Knee while the zip fastener is being closed completely.



Adjust the ORFIZIP® Knee so that the waist angle aligns with the apex patellae.



Position the knee in the required position and mould the ORFIZIP® splint. Ensure fixation of the splint, by supra condylar pressure on the tibia.



Stretch the ORFIZIP® Knee broadwise so that the zip fastener can easily be closed.

If on shortening the zipper glides down accidentally, you can easily open the zipper manually and glide the closure again on its half, up to the top.

G. FINISHING

An ace-wrap can be useful to improve the fixation. If trimming across the zipper is necessary, secure the zip fastener with a piece of dry heated ORFIT®.

In case of reactivation of ORFIZIP®, no packaging is needed even though a hot water bath is used.

H. MAINTENANCE AND WASTE MANAGEMENT

ORFIZIP® braces must be washed regularly in lukewarm water with washing powder, rinsed well and properly dried at (max. 40°C - 104°F) before reapplied.

!Never use solvents, avoid acid detergents.

Sterilisation of ORFIZIP® braces in an autoclave is impossible. Sterilisation by means of gas treatment is possible. Disinfecting is possible with alcohol, quarternary ammonium or a solution of commercial disinfecting soaps (HAC®, Sterilium®, etc.).

After use, ORFIZIP® can be disposed of with normal household waste without harming the environment. ORFIZIP® (except from the ziptab) is biodegradable.

I. ADVICE FOR THE PATIENT

!Give the patient sufficient information about the exact use of the orthosis and about the possible constraints of the splint.

!For patients who sweat abundantly or easily develop skin irritations, a tubular stockinette is recommended.

J. STORAGE

- ORFIZIP® should be stored horizontally.
- Stock keeping should as much be in a dark, cool, dry place at a minimum temperature of 10°C (50°F) and max. 30°C (86°F) and in the original packaging.

Low temperature thermoplastics can only be kept for a limited period of time and must be protected as much as possible from light, heat and humidity. The material ages in relation to storage circumstances. When aged, it becomes brittle and too stretchy when activated.

K. GENERAL SAFETY ADVICE

- !• **ORFIZIP® is not suitable for internal use. It may not be used on open wounds or in the mouth.**
- !• **Never use an open flame to activate ORFIZIP®.**
- !• **ORFIZIP® knee braces may only be applied by qualified health professionals.**

L. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

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ORFIZIP® CORSET

A. GENERAL PRODUCT INFORMATION

ORFIZIP® is a low temperature thermoplastic material, embedded in an elastic fabric and finished with a zip closure. ORFIZIP® is applied directly to the patient after it is activated.

A complete ORFIZIP® CORSET consists of a dorsal and a ventral part assembled with 2 lateral fasteners.

General indications are: osteoporosis, spondylosis, low back pain, paraplegia, osteoarthritis, etc...

B. PRODUCT RANGE

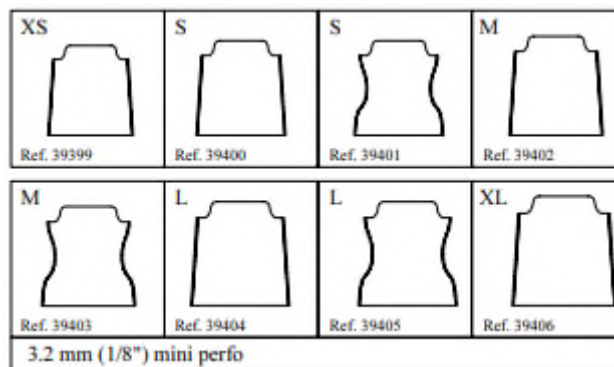
The ORFIZIP® CORSET is available in 5 sizes from Extra Small to Extra Large and there is an option of a waisted or a regular pattern. The embedded thermoplastic is ORFIZIP® CLASSIC 3,2 mm thick and mini perforated.

To make a corset TWO pre-cuts are needed. One for the back and one for the front.

Since all sizes (except extra small) have an equal length, it is possible to combine different sizes with each other.

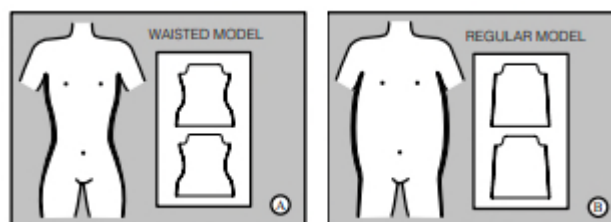
By combining a large back piece with a small front piece the zip fasteners are moved from lateral to the front.

Article number	Size	Design	Thickness	Perforation Type
39399	extra small	regular	3.2 mm	mini perforated
39400	small	regular		
39401	small	waisted		
39402	medium	regular		
39403	medium	waisted		
39404	large	regular		
39405	large	waisted		
39406	extra large	regular		



C. SIZING

First determine whether a regular or waisted pattern is needed. The difference between the two models is clearly indicated in the two illustrations below (ill. A & B).




Next, refer to the chart 'Step 1' below to determine the size.


Step 1

- When the waist circumference is less than 55 cm choose 2 extra small back pieces.
- When the waist circumference is between 55-65 cm, choose small.
- When the waist circumference is between 65-70 cm, or 80-85 cm, or 95-100 cm (the shaded areas in the Step 1 table below): go to the Step 2 table.

Step 2

- For persons whose waist measurement falls between 2 sizes (shaded areas in the Step 1 table below): measure the thorax circumference additionally.
- If thorax is less than 85 cm: choose two small pre-cuts, if larger, choose two medium pre-cuts.
- The same for the other sizes 'in between'.

		STEP 1												
	Inches	15.7	19.7	21.6	23.6	25.6	27.6	29.5	31.5	33.5	35.4	37.4	39.4	49.2
	cm	40	50	55	60	65	70	75	80	85	90	95	100	125
			XS	S			M			L			XL	

		STEP 2							
	Inches		33.5		37.4		41.4		
	cm		85		95		105		
			S		M		L		XL

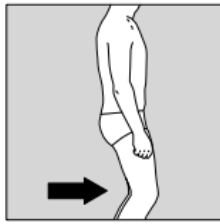
D. PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.
- 14. Make sure that the temperature of the activated material will not burn the patient. Mind the metal tab which can get very hot!**
5. Make sure the correct size is available before activating ORFIZIP®. Be aware that overly large sizes cannot be made smaller whereas overly small sizes can be stretched if necessary.
6. Prepare the patient as you would for a regular plaster cast (tubular stockinette) but without the traditional undercast padding. If necessary, protect the bony prominencies with felt or self-adhesive foam.

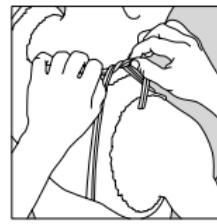
E. ACTIVATION TECHNIQUE

1. ORFIZIP® is softened by heating at a minimum temperature of 70°C (158°F). Possible activation sources are: water bath Suspan no. 1 (Art. No. 35096), heating plate, or oven. The activation time depends on the heat source and the size of ORFIZIP®, and varies from 5 to 20 minutes.
2. To activate ORFIZIP® in hot water, it must be packed vacuum. Since usually two pieces are activated together, it is recommended to change the position of the two pieces when the activation time is partially over. Always see to it that the temperature of the water remains homogeneous during the activation.
An indicator, placed in the corner(s) of the packaging, turns transparent when the activation temperature has been reached. ORFIZIP® can then be removed from the bath and the packaging opened. Cut the bag at the bottom side, close to ORFIZIP®, to facilitate air penetration. Do not cut alongside the zipper which could cause permanent damage.
3. When heating ORFIZIP® in an oven or with a heavy duty heat gun, it has to be taken out of the plastic bag first. The oven temperature can be turned up to 120°C (248°F) without damaging the fabric and the zipper. Make sure ORFIZIP® is homogeneously activated and can easily be stretched out, but mind the heat of the metal parts. Use cold water or spray to cool them down.
- 14. Be careful: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna or the proximity of an open fireplace.**
- 15. Never use an open flame to activate ORFIZIP®.**

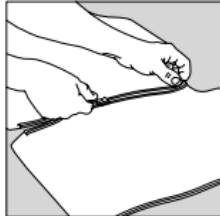
F. APPLICATION



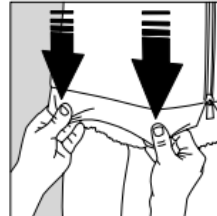
Let ORFIZIP® cool until it can be applied without discomfort for the patient.
Starting position: the patient is in a standing position, knees slightly bent.



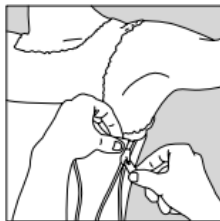
Fasten both shoulder straps.



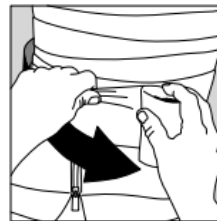
Zip both patterns together.



Mould the ORFIZIP® CORSET by stretching the material downward.



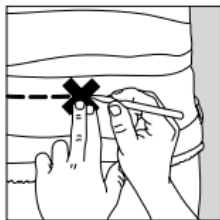
Position the front and the back piece correctly to the patient's trunk and stretch ORFIZIP® over its total width to close the zip fastener.



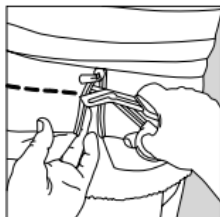
Wrap if necessary, starting from the top.

If on shortening the zipper the closure glides down accidentally, you can easily open the zipper manually and glide the closure again on its half, up to the top.

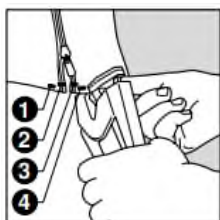
G. FINISHING



Mark the trim lines.



Trim at length (if necessary, through the zip fastener) using an appropriate pair of scissors (Art. No. 35063) and watch the finishing of the edge.
If necessary, use a self-adhesive ORFILASTIC® finishing strip (ART NO. 35116 – not shown).



When trimmed across the zipper, staple 4 stops as shown, 2 at the end of each zip half and 2 at both stitchings.

If don/doff is not allowed temporarily, the zipper can be locked by adhering a piece of dry heated ORFIT® CLASSIC, (such as the indicator) behind the ziptab. The locker can be removed later with a heat gun.

In case of reactivation of the ORFIZIP®, no packaging is needed even though a hot water bath is used.

H. MAINTENANCE AND WASTE MANAGEMENT

ORFIZIP® braces must be washed regularly in lukewarm water with washing powder, rinsed well and properly dried at max. 40°C (104°F).

! Never use solvents, avoid acid detergents.

Sterilisation of ORFIZIP® braces in an autoclave is impossible. Sterilisation by means of gas treatment is possible.

After use, ORFIZIP® can be disposed of with normal household waste without harming the environment. ORFIZIP® (except from the ziptab) is biodegradable.

I. ADVICE FOR THE PATIENT

Give the patient sufficient information about the exact use of the orthosis and about its possible constraints.

! To avoid sweating and skin rash, a T-shirt or a tubular stockinette is recommended.

J. STORAGE

- ORFIZIP® should be stored horizontally.
- Stock keeping should be in a dark, cool, dry place at a min. temperature of 10°C (50°F) and max. 30°C (86°F) and in the original packaging.
- Do not remove from vacuum packaging.

Low temperature thermoplastics can only be kept for a limited period of time and must be protected as much as possible from light, heat and humidity. The material ages in relation to storage circumstances. When aged, it becomes brittle and too stretchy when activated.

K. GENERAL SAFETY ADVICE

- !• **ORFIZIP® is not suitable for internal use. It may not be used on open wounds.**
- !• **Never use an open flame to activate ORFIZIP®.**
- !• **ORFIZIP® CORSETS may only be applied by qualified health professionals.**

L. ADDITIONAL INFORMATION

For additional information such as distributor contact information, product brochures, Safety Data Sheets and regulatory information, please visit our website www.orfit.com.

Note:

It is prohibited to make alterations to this text without prior approval from Orfit Industries.
ORFIZIP® is a registered trademark of Orfit Industries.



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VERSION 7
LAST UPDATE: 18/05/2021
REVISION DATE: 18/05/2023

ORFIZIP® FULL BODY JACKET

A. GENERAL PRODUCT INFORMATION

ORFIZIP® is a low temperature thermoplastic material, embedded in an elastic fabric and finished with a zip closure. ORFIZIP® is applied directly to the patient after activation.

A complete ORFIZIP® FULL BODY JACKET consists of TWO pieces, assembled by 2 lateral zipper fasteners.
! Two pieces are needed to make one corset.

The aim is to immobilise the thoracic and/or lumbar spine, post-operatively such as after fusions and scoliosis corrections.

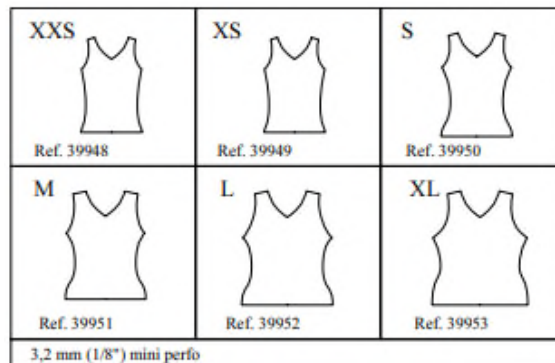
B. PRODUCT RANGE

The ORFIZIP® FULL BODY JACKET comes in 6 sizes: extra extra small, extra small, small, medium, large and extra large. All have the same length of 405 mm. The embedded thermoplast is ORFIT® CLASSIC mini perforated in 3.2 mm.

Two precuts are needed for one corset.

Since all sizes except the extra small have an equal length, it is possible to use a large back panel with a small front panel in order to move the zip fasteners to the front.

Article number	Size	Design	Thickness	Perforation Type
39948	extra extra small	waisted	3.2 mm	mini perforated
39949	extra small			
39950	small			
39951	medium			
39952	large			
39953	extra large			



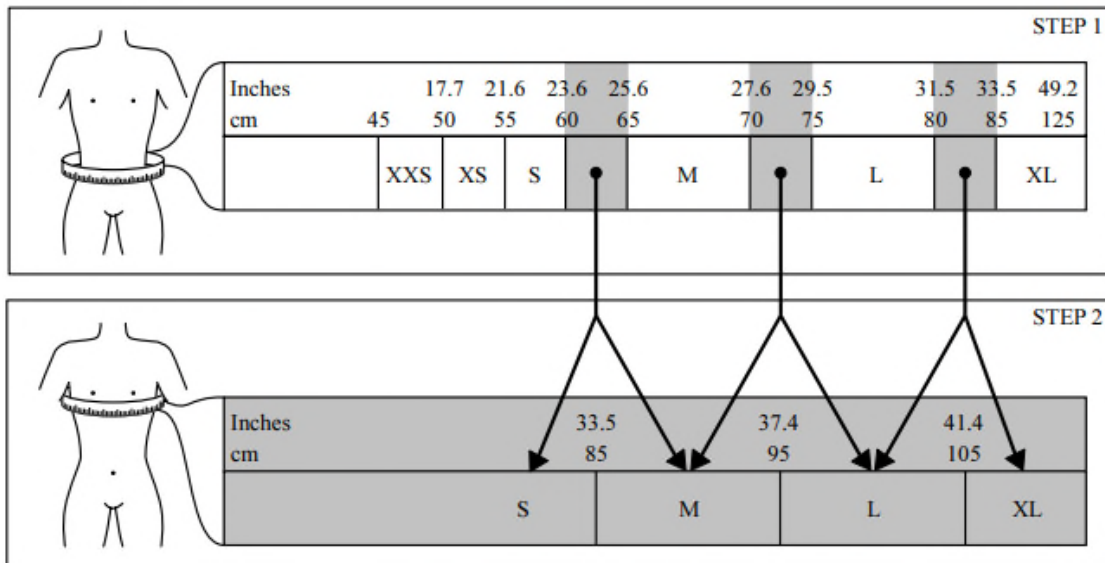
C. SIZING

Step 1

- When the waist circumference is less than 45 cm choose 2 extra extra small pieces.
- When the waist circumference is between 50-55 cm or smaller, choose extra small, between 55-60 cm choose small, when it is between 65-70cm choose medium.
- When the waist circumference is between 60-65 or 70-75 or 80-85 cm (the shaded areas in the Step 1 table below): go to the Step 2 table.

Step 2

- For persons whose waist measurement falls between 2 sizes (shaded areas in the Step 1 table below): measure the thorax circumference additionally.
- If thorax is less than 85 cm: choose 2 small sizes; if larger, choose 2 medium sizes.



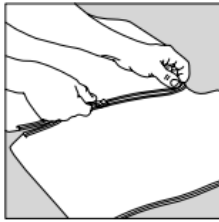
D. PRECAUTIONS BEFORE USE

1. The workplace must be well-ventilated to avoid overheating.
2. The necessary tools should in no way put the patient at risk.
3. Encourage the patient to assume a comfortable position and ensure that you yourself are in an easy working position.
- 14. Make sure that the temperature of the activated material will not burn the patient. Mind the metal tab which can get very hot!**
5. Make sure the correct size is available before activating ORFIZIP®. Be aware that overly large sizes cannot be made smaller whereas overly small sizes can be stretched if necessary.
6. Prepare the patient as you would for a regular plaster cast (tubular stockinette) but without the traditional undercast padding. If necessary, protect the bony prominencies with felt or self-adhesive foam.

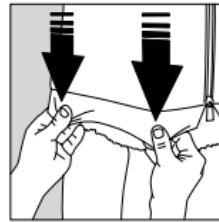
E. ACTIVATION TECHNIQUE

1. ORFIZIP® is softened by heating at a minimum temperature of 70°C (158°F). Possible activation sources are: water bath Suspan no. 1 Art. No. 35096), heating plate, or oven. The activation time depends on the heat source and the size of ORFIZIP®, and varies from 5 to 20 minutes.
2. To activate ORFIZIP® in hot water, it must be packed vacuum. Since usually two pieces are activated together, it is recommended to change the position of the two pieces when the activation time is partially over. Always see to it that the temperature of the water remains homogeneous during the activation.
An indicator, placed in the corner(s) of the packaging, turns transparent when the activation temperature has been reached. ORFIZIP® can then be removed from the bath and the packaging opened. Cut the bag at the bottom side, close to ORFIZIP®, to facilitate air penetration. Do not cut alongside the zipper which could cause permanent damage.
3. When heating ORFIZIP® in an oven or with a heavy duty heat gun, it has to be taken out of the plastic bag first. The oven temperature can be turned up to 120°C (248°F) without damaging the fabric or the zipper. Make sure ORFIZIP® is homogeneously activated and can easily be stretched out, but mind the heat of the metal parts. Use cold water or spray to cool them down.
- 14. Be careful: temperatures of 65°C (149°F) or more can also be reached in the patient's daily life. Think of a closed car in the summer, the surface of a hot radiator, a sauna or the proximity of an open fireplace.**
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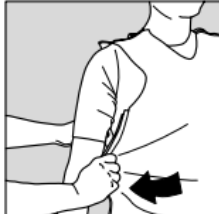
F. APPLICATION



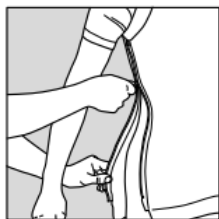
Join one of the lateral zippers and one of the shoulder zippers.



Pull the jacket downwards to avoid wrinkles. If necessary, create more space around arm and neck by stretching.



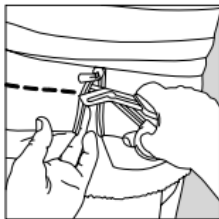
Apply onto the patient.
Close the second shoulder zipper, stretch further and...



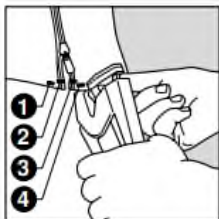
...close the second lateral zipper.

If on shortening the zipper the closure glides down accidentally, you can easily open the zipper manually and glide the closure again on its half, up to the top.

G. FINISHING



Trim at length, using an appropriate pair of scissors (Art. No. 35063) and watch the finishing of the edge.
If necessary, use a self-adhesive ORFILASTIC® finishing strip (Art No. 35116 – not shown).



If trimming across the zipper is necessary, staple 4 stops as shown, 2 at each zip half and 2 for both stitchings.

Heat ORFIZIP® locally with a heat gun to cut windows. The zipper can be locked temporarily (to avoid taking off) by adhering a piece of dry heated ORFIT® CLASSIC, behind the ziptab (not shown). The locker can be removed later with a heat gun.
In case the whole body jacket needs to be reactivated, no packaging is needed even though a hot water bath is used.

H. MAINTENANCE AND WASTE MANAGEMENT

ORFIZIP® braces must be washed regularly in lukewarm water with washing powder, rinsed well and properly dried at max. 40°C (104°F).

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