

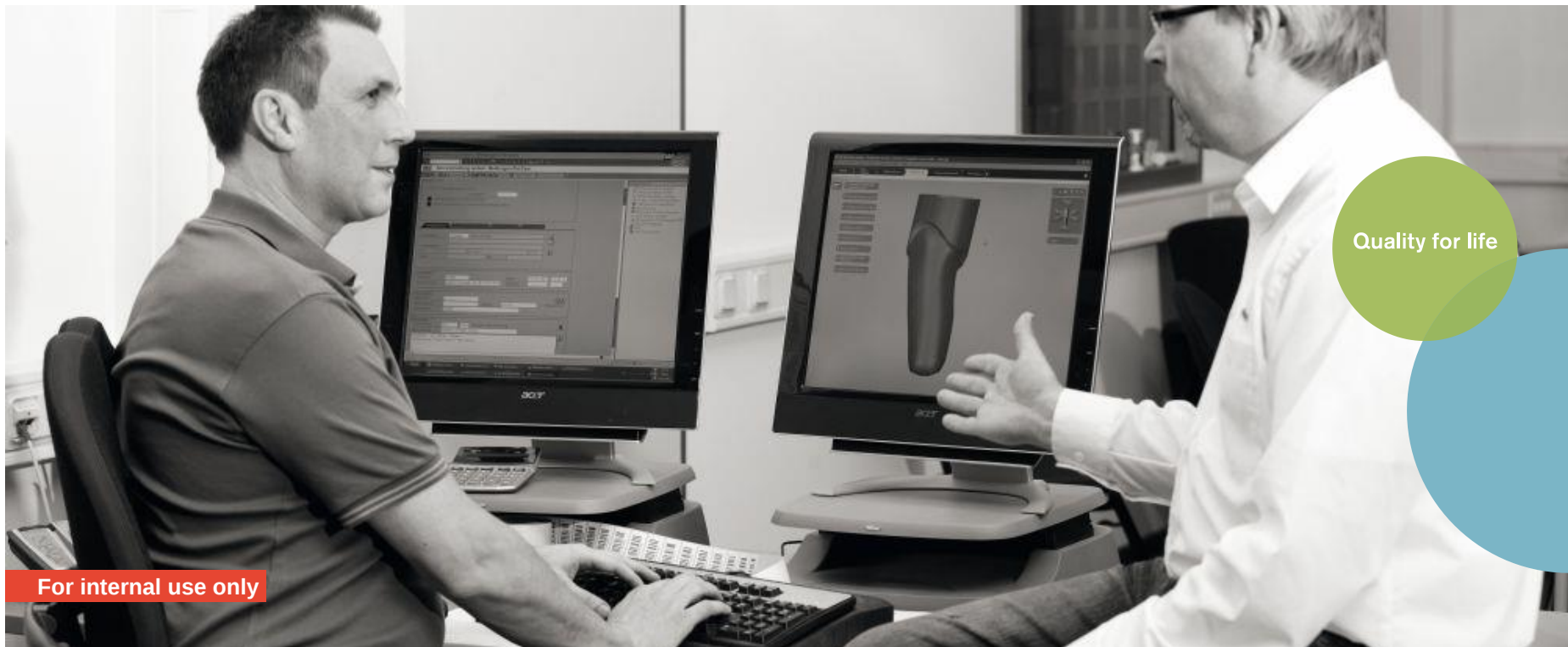
TF Design

Clinician training I - Introduction

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Quality for life

For internal use only

Agenda

1. Introduction
2. Measurements
3. Software
4. Fabrication
5. Benefits

Introduction



Introduction

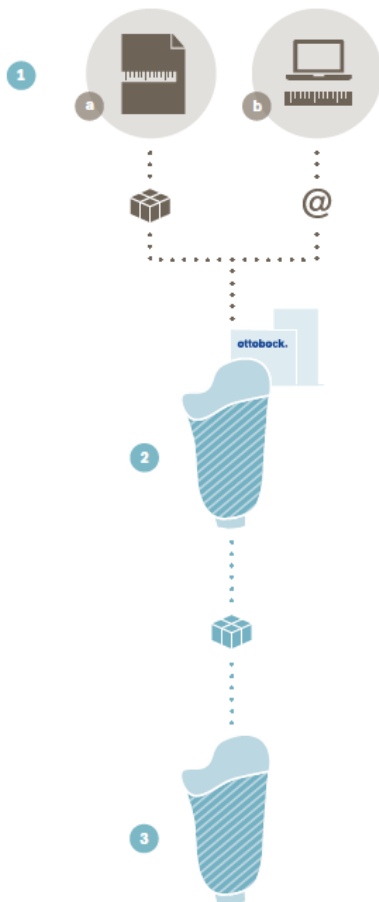
General information

- TF Design is a modern application technique for the individual fabrication of transfemoral check sockets
- Only a few measurements are necessary
- Two options for socket design and ordering
 - using the measurement form or
 - the TF Design software
- A socket made of ThermoLyn is fabricated by Ottobock Service Fabrication according to the data specified by the prosthetist
- Service Fabrication will ship the check socket within one working day



Introduction

Ordering process



1. Measure the patient's residual limb (please note the information on the back of the measurement form or the corresponding section in the 647H374 Instructions for Use of the 647X6 Ottobock TF Design Software).

Now you have two options to determine the shaping of the socket:

Ordering option a:

- Enter the measurements on the measurement form

Ordering option b:

- Then enter the measurements in the software, specifying the socket shape and design which you can verify and, if required, modify on the 3D model in the software.

Please save the order and send the data to Ottobock Service Fabrication by e-mail. When using the measurement form, it is best to send it to us by fax. You may order any prosthesis components and additional services you need at the same time.

2. Ottobock Service Fabrication will fabricate the TF Design socket for you, and usually ships it within 1 working day. If the data are received by 12 noon, shipment is on the same working day.

3. You receive a check socket which meets your specifications precisely thanks to highly modern software.

Measurements



Measurements

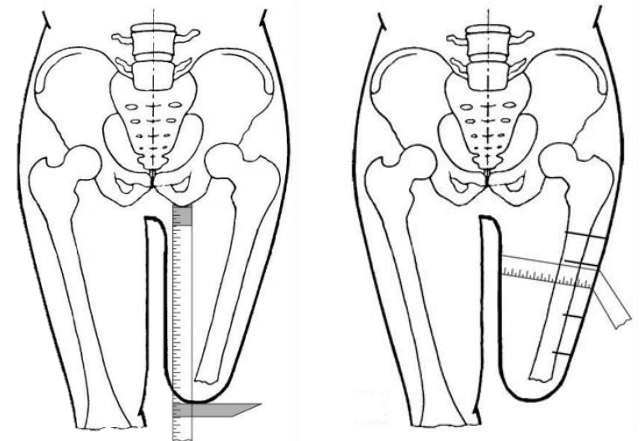
Taking measurements

Minimum

- Residual limb length
- 3 residual limb circumferences

Optional

- 2 more residual limb circumferences
- Perineum AP measurement
- Bony ML measurement
- Soft tissue ML measurement
- Flexion angle
- Adduction angle



Measurements

Tools for taking measurements

TF Design bag 743R13:

- Spring-tensioned measuring tape 743B4
- Calliper 743S10
- Calliper 743S21
- Rotary Angle Meter 743W8
- Instruction for angle determination
647G1357=DE_EN



TF and TT Design case 743R9:

- Incl. TT Design + TF Design software and all necessary tools to take measurements for TF and TT Design



Measurements

Order

- For socket creation and order you can either apply the Ottobock TF Design Software or use the Otto Bock TF Design measurement form
- The TF Design software 647X6 can be ordered as a CD or it can be downloaded for free from the following website:

www.ottobock.com/tfdesign



ottobock.

TF Design check socket
Order form (1/2)

Customer person: _____ Customer number: _____ Date: _____

Customer: _____ Shipping address (if different from customer address): _____

Company: _____ Street: _____
Postal code: _____ Postal code: _____
City: _____ Phone: _____

Express shipping requested? ☐ (shipments on the next working day. If the order date is received by 12:00 noon, the socket ships the same working day.)

Side: ☐ Left ☐ Right Requirements: ☐ Check socket ☐ Positive model ☐ Check socket and positive model

Material for check socket: ☐ Thermoplastic, clear ☐ Thermoplastic, rigid _____ (service number)

Value: ☐ Preparation only ☐ Installation Positioning: ☐ Medial ☐ Lateral

☐ 21Y12 Score value ☐ 21Y14 PushValue ☐ 21Y15 MagValue
☐ 21Y21 OneValue ☐ 21Y96 Flat rubber value _____

☐ K24.1- ProSeal ProSeal ring (not placed in and recommended only in combination with the ProSeal socket type and a ProSeal liner)

Socket Locks/ROSS: ☐ K810-1 ☐ K810-3 ☐ K810-2 ☐ SF5B10 Secure locking adapter without liner connection
☐ K814 ☐ K820-10 ☐ K820-20 ☐ SF5B11 Secure locking adapter with connector for elastic lock
☐ K820-30 ☐ K830-10 ☐ K830-20 ☐ S80-*

Socket adapter: _____

Positioning: Left side: _____ Right side: _____

Socket type: ☐ KCS Advanced ☐ ProSeal recommended especially in combination with the ProSeal ring
☐ KCS Contoured ☐ Quadrilateral Contoured
☐ KCS Medium ☐ Quadrilateral Medium
☐ KCS Peristaltic Contoured ☐ Quadrilateral Peristaltic Contoured
☐ Hybrid

Information for the socket design: _____

Preparation for liner: _____

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TF Design check socket
Order form (2/2)

Customer person: _____ Customer number: _____ Date: _____

Measurements:

Flexion angle: _____
Adduction angle: _____
Bony ML measurement: _____
Soft tissue ML measurement: _____
Peroneal AP measurement: _____

... or reduction in % ☐ 0% ☐ 10% ☐ 20% ☐ 30% ☐ 40% ☐ 50% ☐ 60% ☐ 70% ☐ 80% ☐ 90% ☐ 100%

Please note that using patches results in changes to the socket values:

1. Lateral ProSeal Fuser Patch (inner depth of 8 mm)
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Comments: _____

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Software



Software Workflow

Order Details

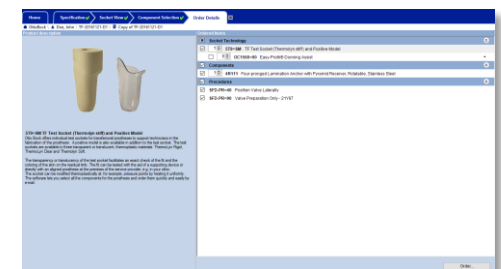
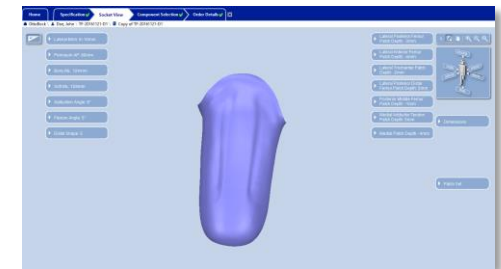
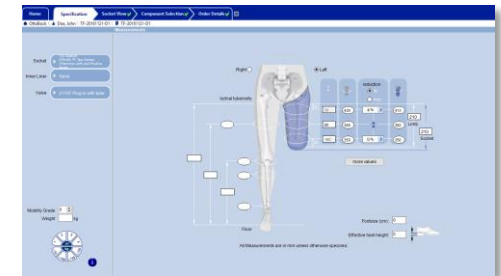
- Selection of the socket-specific data and entry of the patient measurements

Socket Design

- Three-dimensional view of the prosthetic socket, with the option to make corrections

Order

- Display and processing of the purchase order for the current job



Software Specification

Home Specification Socket View Component Selection Order Details

▲ OttoBock \ ▲ Doe, John \ TF-20161121-D1 \ Copy of TF-20161121-D1

Measurements

Socket: ICS Medium
ST9=SM TF Test Socket (Thermolyn stiff) and Positive Model

Inner Liner: Socket Style ICS Medium

Valve: Requirements Socket and Model

Type: ☒ Test Socket

Material: Thermoplastic - ThermoLyn® Stiff

Vacuum Type: ☐ Elevated (Harmony) ☒ Ordinary Suction (valve) ☐ None

Cancel OK

Mobility Grade: 0

Weight: kg

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

Right ☐ Left ☒

Ischial tuberosity

30 430 4% 413 210

90 390 382

160 350 0% 350 210

more values

Floor

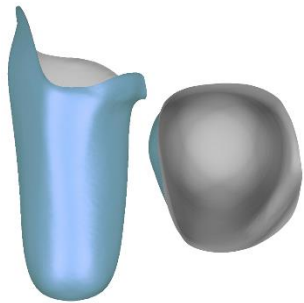
Footsize (cm): 0

Effective heel height: 0

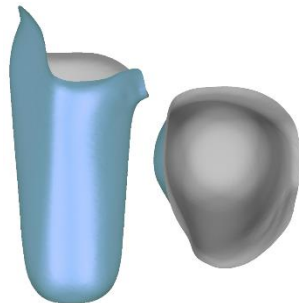
All Measurements are in mm unless otherwise specified.

Software

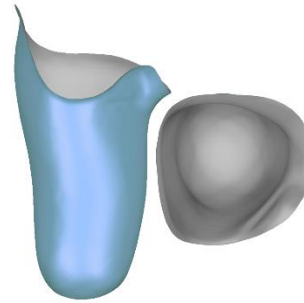
Socket shapes



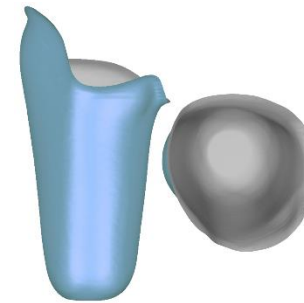
SIT-Cast Medium



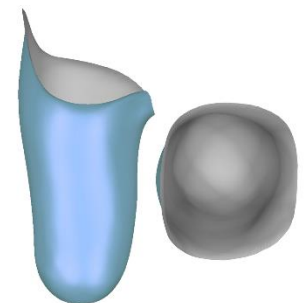
SIT-Cast
Contoured



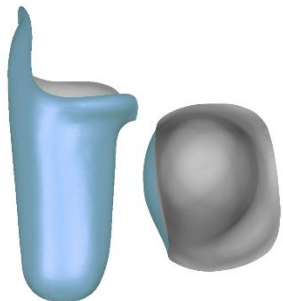
SIT-Cast
Advanced



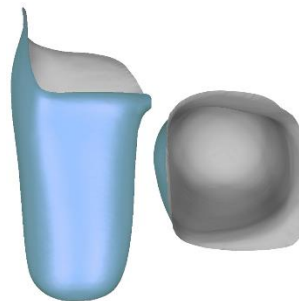
SIT-Cast
Feminine
Contoured



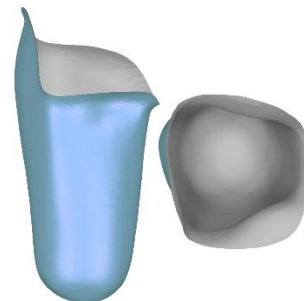
ProSeal



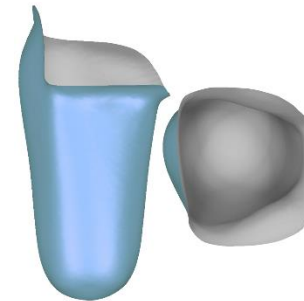
Hybrid



Quadrilateral
Medium



Quadrilateral
Contoured



Quadrilateral
Feminine
Contoured

Software Order

The screenshot displays the Ottobock software interface, specifically the 'Socket View' and 'Component Selection' tabs. The 'Socket View' shows a list of socket technologies and adapters. The 'Component Selection' tab shows the 'Ordered Items' list with selected components and procedures.

Socket Technology

- None
- 4R100-1
- 4R100-2
- 4R103
- 4R104
- 6A20-10
- 6A20-20

Adapter Type

- ☐ Wood Block
- ☐ Lamination Disk
- ☐ Draping
- ☐ 3 Prong
- ☐ 4 Prong

Socket adapter: 4R111 Four-pronged Lamination Anchor with Pyramid Receiver, Rotatable, Stainless Steel

- None
- 4R111
- 4R111-N
- 4R111-T
- 4R110
- 4R110-T
- 4R117

Adapter Type

- ☐ Wood Block
- ☐ Lamination Disk
- ☐ Draping
- ☐ 3 Prong
- ☐ 4 Prong

Ordered Items

- ☒ 1 **ST9-SM** TF Test Socket (Thermolyn stiff) and Positive Model
- ☐ 0 **OC1560-00** Easy-Proth® Donning Assist
- ☒ **Components**
- ☒ 1 **4R111** Four-pronged Lamination Anchor with Pyramid Receiver, Rotatable, Stainless Steel
- ☒ **Procedures**
- ☒ **SFD-PR-40** Position Valve Laterally
- ☒ **SFD-PR-90** Valve Preparation Only - 21Y97

ST9-SM TF Test Socket (Thermolyn stiff) and Positive Model

Otto Bock offers individual test sockets for transfemoral prostheses to support technicians in the fabrication of the prosthesis. A positive model is also available in addition to the test socket. The test sockets are available in three transparent or translucent, thermoplastic materials: Thermolyn Rigid, Thermolyn Clear and Thermolyn Soft.

The transparency or translucency of the test socket facilitates an exact check of the fit and the coloring of the skin on the residual limb. The fit can be tested with the aid of a supporting device or directly with an aligned prosthesis at the premises of the service provider, e.g. in your clinic.

The socket can be modified thermostatically at, for example, pressure points by heating it uniformly. The software lets you select all the components for the prosthesis and order them quickly and easily by email.

Fabrication



Fabrication Process



Model carving



Vacuum
forming



Grinding



Quality
control

Benefits



Benefits

Your benefits at a glance

- ✓ No labor-intensive plaster casting and modification
- ✓ Time saving of about 4 - 5 hours
- ✓ No displeasing plaster casting for the patient
- ✓ Measure in the clinic or at the patients home
- ✓ Shipping will be made after 1 working day
- ✓ High and constant Ottobock quality

Thank you for your attention!

www.ottobock.com



Quality for life