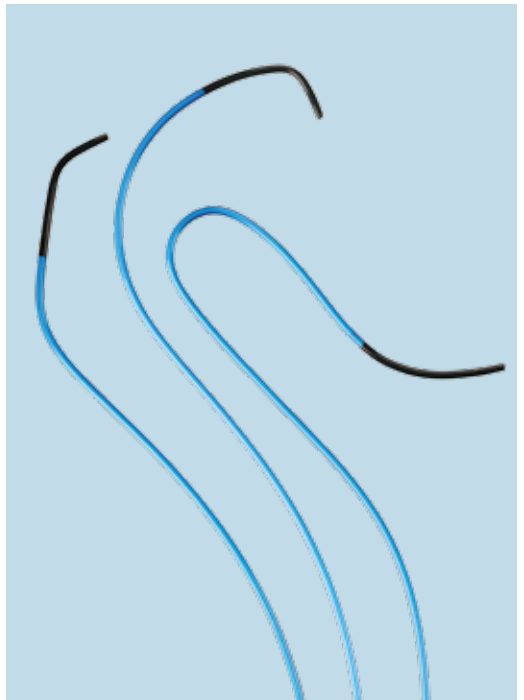
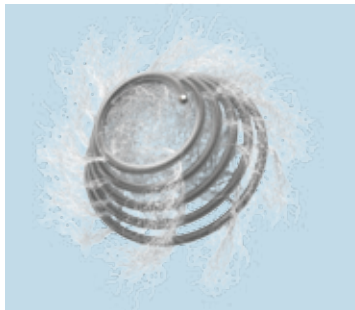
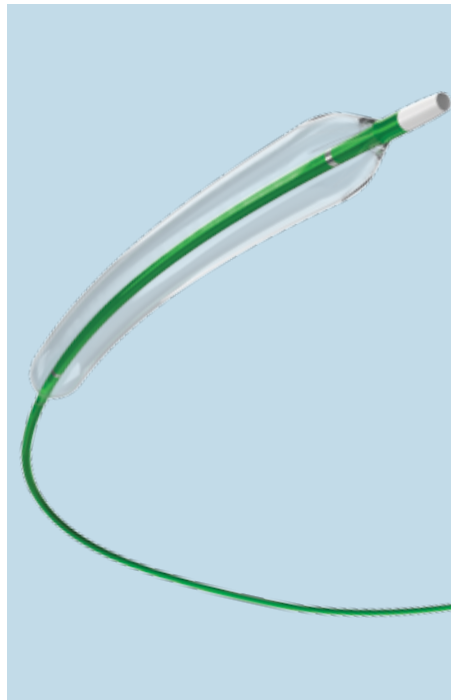
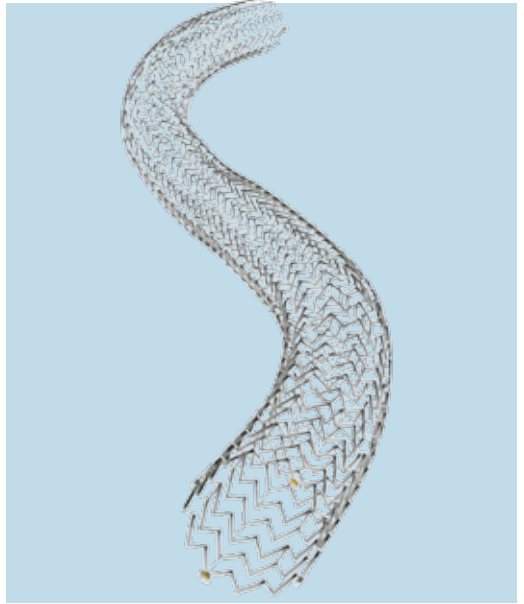
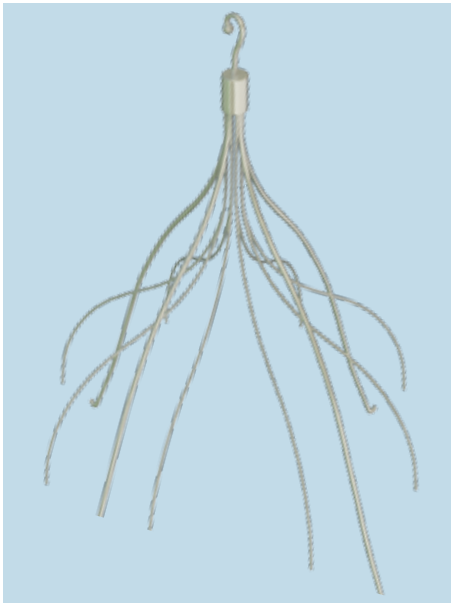


Vascular Interventions

PRODUCT CATALOG



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General Information

Every effort is made by Cook to ensure that each item listed in the catalog is maintained in stock. Due to the breadth of items listed and the dynamic nature of the product line, Cook does not guarantee all items listed are in stock. If you have any questions, please contact your local sales office.

Distribution

Cook sells direct to hospitals and physicians and also through distribution partners.

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NOTE: A list of distributors for various countries is available on www.cookmedical.com.

Ordering Information

All orders should be directed to your local sales office. To obtain further information please contact:

COOK IRELAND

European Shared Service Centre
O'Halloran Rd.
National Technology Park
Limerick, IRELAND
www.cookmedical.com/support

Global Part Number

The purpose of the Global Part Number system is to simplify, not replace, our catalog numbering system. The standard Cook catalog number or the Global Part Number can be used when placing orders.

Shipment and Terms

Items ordered, exceeding a defined minimum order value will be processed free of charge, otherwise a minimum order value charge will apply.

Standard delivery for stock items is 72 hours from the day of order confirmation. Nonstock items will be subject to longer delivery times. For standard delivery terms, please refer to your local customer service office.

Express deliveries of stock items can be arranged for and will be subject to additional freight charges.

Special Order Items

In addition to stock items listed within this catalog, Cook manufactures special order (nonstock) items. Special order items are subject to a minimum order quantity to cover order processing considerations.

Standing Order Shipments

SOS offers our customers the most flexible scheduled shipment program within the industry. Products ordered routinely and in predictable quantities, or special order (nonstock) products required on a regular basis, can be scheduled to ship weekly, bi-weekly, monthly or at some other agreed-upon regular interval. This assures that your order will be received routinely at the designated time. If you are overstocked and do not need your next SOS shipment, simply call 30 days prior to your scheduled shipping date and have the order held until your next scheduled shipment.

Product Warranty

We guarantee that at the time of manufacture, products were prepared and tested in accordance with Good Manufacturing Practices specified by the EN ISO 46001 and the EEC (EU) Directive 93/42 and were true to label. Because of biological differences in individuals, no product is 100% effective under all circumstances. In addition, because we have no control of the condition under which the product is used, diagnosis of the patient, the method of use or administration, and handling of the product after it leaves our possession, we do not warrant either a good effect or against an ill effect following the product's use. The foregoing warranty is exclusive and in lieu of all other warranties either written, oral or implied (including any warranties of merchantability or fitness for purpose). No representative of the company may change any of the foregoing, and the buyer accepts the product subject to all terms hereof.

Product Returns

Product Returns are defined as a return of products requested by a customer where the customer has no product or service complaint. Returned products will only be subject to the Product Return Rules and Credit Policy (below) where the returned product and packaging are complete and undamaged, and any sealed packaging has not been opened. If the products are incomplete or damaged, or seals have been broken, the products may be returned but no credit will be issued.

Product Return Rules and Credit Policy

Products that have been delivered can be returned and will be credited on the following basis:

Timing of Proposed Return	Is Return Accepted by Cook?	Credit and Restocking Fees
Returned within 14 days from date of shipment.	Cook will accept returns.	Cook will issue full credit for the value of the products only. Unfortunately, we cannot issue credit for freight or handling fees.
Returned after 14 -90 days from date of shipment.	Cook will accept returns.	Full credit will be issued against the value of the products only, less a restocking fee calculated as 20% of the invoice price for the products. Unfortunately we cannot issue credit for freight or handling fees.
Returned after 90 days from date of shipment.	Cook will accept returns.	No credit will be issued.

Product Return Procedures

To return products customers are requested to contact Customer Service prior to returning the products in order to get a Return Authorization (RA) number. The RA number MUST be marked on the outside of the box—this is very important for reasons of identification. We regret that we cannot accept product returns from the carrier unless the RA number is marked on the outside of the box. Cook Customer Service, after receiving the request to return, will provide customer with the address to which the products must be returned.

Product Return Shipment

Customers are responsible for arranging shipment of returns to the Cook address given.

If a customer is unable to arrange a carrier, Cook will be happy to assist by providing a facility for the

customer to use a nominated Cook carrier. To request this service, the customer should contact Cook Customer Service. A returns freight charge will apply for returns made using Cook's carrier and account.

Design Changes

Cook reserves the right to change or discontinue any product without notice. In the event that a product has been discontinued, we can recommend alternatives.

Product Expiration

Most Cook products carry an expiration date on the label. This date is based on concerns for product integrity and sterility maintenance. An unlimited shelf life cannot be verified by testing; therefore, some limit must be placed on the life of products. Cook attempts to maximize the shelf life of our products through testing; however, storage conditions used by our customers may affect the length of this period.

Product Storage

Cook products should be stored in a dark, cool, dry place. Extended periods of exposure to light have resulted in degradation of some plastic materials and should be avoided. Extended periods of elevated temperature can reduce a product's shelf life and should also be avoided.

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FOV418-18-80-3-12	G56633	FOV535-35-80-9-30	G56760	GZV-20-50	G19432
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FOV418-18-80-3-30	G56641	FOV535-35-80-10-30	G56764	GZV-40-50	G19446
FOV418-18-80-4-12	G56643	FOV535-35-80-10-40	G56765	GZV-40-75	G19658
FOV418-18-80-4-16	G56645	FOV535-35-80-10-60	G56766	GZVI-10.0-60-RB	G21180
FOV418-18-80-4-20	G56647	FOV535-35-135-4-12	G56771	GZVI-11.0-60-RB	G27448
FOV418-18-80-4-24	G56649	FOV535-35-135-4-20	G56773	GZVI-12.0-60-RB	G21182
FOV418-18-80-4-30	G56651	FOV535-35-135-4-30	G56775	GZVI-14.0-60-RB	G21184
FOV418-18-80-5-12	G56653	FOV535-35-135-4-40	G56776	GZVI-14.0-90-RB	G21185
FOV418-18-80-5-16	G56655	FOV535-35-135-5-12	G56778	HMW-14-135-ST	G52937
FOV418-18-80-5-20	G56657	FOV535-35-135-5-20	G56780	HMW-14-190-ST	G52938
FOV418-18-80-5-24	G56659	FOV535-35-135-5-30	G56782	HMW-14-300-ST	G52939
FOV418-18-80-5-30	G56661	FOV535-35-135-5-40	G56783	HNB5.0-35-65-P-1S-ACN1	G20270
FOV418-18-80-6-12	G56663	FOV535-35-135-5-60	G56784	HNB5.0-38-65-P-2S-C2	G06236
FOV418-18-80-6-16	G56665	FOV535-35-135-6-12	G56785	HNB5.0-38-65-P-NS-AB2	G05874
FOV418-18-80-6-20	G56667	FOV535-35-135-6-20	G56787	HNB5.0-38-65-P-NS-C1	G05998
FOV418-18-80-6-24	G56669	FOV535-35-135-6-30	G56789	HNB5.0-38-65-P-NS-C2	G05204
FOV418-18-80-6-30	G56671	FOV535-35-135-6-40	G56790	HNB5.0-38-65-P-NS-JR4	G05922
FOV418-18-80-7-12	G56673	FOV535-35-135-6-60	G56791	HNB5.0-38-65-P-NS-PICARD	G08736
FOV418-18-80-7-16	G56675	FOV535-35-135-7-12	G56792	HNB5.0-38-65-P-NS-RIM	G05979
FOV418-18-80-7-20	G56677	FOV535-35-135-7-20	G56796	HNB5.0-38-100-P-6S-MPA	G11541
FOV418-18-80-7-24	G56679	FOV535-35-135-7-30	G56798	HNB5.0-38-100-P-NS-H1	G06005
FOV418-18-80-7-30	G56681	FOV535-35-135-7-40	G56799	HNB5.0-38-100-P-NS-SIM1	G04922
FOV418-18-80-8-12	G56683	FOV535-35-135-7-60	G56800	HNB5.0-38-100-P-NS-SIM2	G05976
FOV418-18-80-8-16	G56685	FOV535-35-135-8-12	G56801	HNB5.0-38-100-P-NS-VAL	G32163
FOV418-18-80-8-20	G56687	FOV535-35-135-8-20	G56803	HNB5.0-38-110-P-12S-PIG	G10741
FOV418-18-80-8-24	G56689	FOV535-35-135-8-30	G56805	HNB5.0-38-125-P-NS-VTK	G10755
FOV418-18-80-8-30	G56691	FOV535-35-135-8-40	G56806	HNB5.0-NT-65-P-NS-HET	G32167
FOV418-18-135-3-12	G56634	FOV535-35-135-8-60	G56807	HNB5.0-NT-65-P-NS-MPA	G10445
FOV418-18-135-3-16	G56636	FOV535-35-135-9-20	G56808	HNB5.0-NT-80-P-NS-MPA	G10354
FOV418-18-135-3-20	G56638	FOV535-35-135-9-30	G56809	HNB5.0-NT-100-P-NS-MPA	G09660
FOV418-18-135-3-24	G56640	FOV535-35-135-9-40	G56810	HNB6.0-38-40-P-NS-BMC	G13772
FOV418-18-135-3-30	G56642	FOV535-35-135-9-60	G56811	HNB6.0-38-100-P-NS-AR1	G04836
FOV418-18-135-4-12	G56644	FOV535-35-135-10-20	G56812	HNB6.0-38-100-P-NS-JL4	G04789
FOV418-18-135-4-16	G56646	FOV535-35-135-10-30	G56813	HNB6.0-38-110-P-12S-AP2	G05738
FOV418-18-135-4-20	G56648	FOV535-35-135-10-40	G56814	HNB6.0-NT-110-P-NS-CN	G13746
FOV418-18-135-4-30	G56652	FOV535-35-135-10-60	G56815	HNB7.0-38-100-P-NS-MPA	G08591
FOV418-18-135-5-12	G56654	FOVX414-14-80-4-12	G03757	HNB8.0-35-80-Y-6S-VOTT	G43342
FOV418-18-135-5-16	G56656	FOVX414-14-80-4-16	G03758	HNB8.0-35-120-Y-6S-VOTT	G43343
FOV418-18-135-5-20	G56658	FOVX414-14-80-4-20	G03759	HNBR4.0-35-65-P-NS-C1	G53763
FOV418-18-135-5-30	G56662	FOVX414-14-80-4-24	G03760	HNBR4.0-35-65-P-NS-C2	G51313
FOV418-18-135-6-12	G56664	FOVX414-14-80-5-12	G03438	HNBR4.0-35-65-P-NS-MPA	G56371
FOV418-18-135-6-16	G56666	FOVX414-14-80-5-16	G03443	HNBR4.0-35-65-P-NS-RC1	G56372
FOV418-18-135-6-20	G56668	FOVX414-14-80-5-20	G03472	HNBR4.0-35-65-P-NS-RC2	G65373
FOV418-18-135-6-24	G56670	FOVX414-14-80-5-24	G03748	HNBR4.0-35-65-P-NS-RIM	G51315
FOV418-18-135-6-30	G56672	FOVX414-14-80-6-12	G03513	HNBR4.0-35-65-P-NS-SIM1	G56375
FOV418-18-135-7-12	G56674	FOVX414-14-80-6-16	G03537	HNBR4.0-35-100-P-NS-C1	G56340
FOV418-18-135-7-24	G56680	FOVX414-14-80-6-20	G03557	HNBR4.0-35-100-P-NS-C2	G56341
FOV418-18-135-7-30	G56682	FOVX414-14-80-6-24	G03752	HNBR4.0-35-100-P-NS-DAV	G51303
FOV418-18-135-8-12	G56684	FOVX414-14-80-7-12	G03575	HNBR4.0-35-100-P-NS-H1	G51308
FOV418-18-135-8-16	G56686	FOVX414-14-80-7-16	G03576	HNBR4.0-35-100-P-NS-JB1	G53759
FOV418-18-135-8-20	G56688	FOVX414-14-80-7-20	G03594	HNBR4.0-35-100-P-NS-JB2	G53760
FOV418-18-135-8-24	G56690	FOVX414-14-80-7-24	G03753	HNBR4.0-35-100-P-NS-KMP	G51310
FOV418-18-135-8-30	G56692	FOVX414-14-135-4-12	G03762	HNBR4.0-35-100-P-NS-MPA	G56350
FOV535-35-80-4-12	G56717	FOVX414-14-135-4-16	G03763	HNBR4.0-35-100-P-NS-SIM1	G53761
FOV535-35-80-4-20	G56719	FOVX414-14-135-4-20	G03764	HNBR4.0-35-100-P-NS-SIM2	G51311
FOV535-35-80-4-30	G56725	FOVX414-14-135-4-24	G03765	HNBR4.0-35-100-P-NS-VERT	G53762
FOV535-35-80-4-40	G56726	FOVX414-14-135-5-12	G03604	HNBR4.0-35-125-P-NS-H1	G56357
FOV535-35-80-4-60	G56727	FOVX414-14-135-5-16	G03648	HNBR4.0-35-125-P-NS-JB1	G56358
FOV535-35-80-5-12	G56728	FOVX414-14-135-5-20	G03652	HNBR4.0-35-125-P-NS-MPA	G56360
FOV535-35-80-5-20	G56730	FOVX414-14-135-5-24	G03754	HNBR4.0-35-125-P-NS-SIM2	G56361
FOV535-35-80-5-30	G56732	FOVX414-14-135-6-12	G03667	HNBR4.0-35-125-P-NS-VERT	G56362
FOV535-35-80-5-40	G56733	FOVX414-14-135-6-16	G03699	HNBR5.0-35-60-P-NS-BELL-1.5	G27815
FOV535-35-80-5-60	G56737	FOVX414-14-135-6-20	G03700	HNBR5.0-35-65-P-NS-C1	G08441
FOV535-35-80-6-12	G56738	FOVX414-14-135-6-24	G03755	HNBR5.0-35-65-P-NS-C2	G08442
FOV535-35-80-6-20	G56740	FOVX414-14-135-7-12	G03701	HNBR5.0-35-65-P-NS-DAV	G11414
FOV535-35-80-6-30	G56742	FOVX414-14-135-7-16	G03709	HNBR5.0-35-65-P-NS-KMP	G11458
FOV535-35-80-6-40	G56743	FOVX414-14-135-7-20	G03744	HNBR5.0-35-65-P-NS-RC1	G08469
FOV535-35-80-6-60	G56744	FOVX414-14-135-7-24	G03756	HNBR5.0-35-65-P-NS-RC2	G08470
FOV535-35-80-7-20	G56747	GTRS-200-RB	G13287	HNBR5.0-35-65-P-NS-RIM	G08444
FOV535-35-80-7-30	G56749	GZSD-36-82-2	G23615	HNBR5.0-35-65-P-NS-VANSCHIE1	G13795
FOV535-35-80-7-40	G56750	GZSD-36-123-2	G23616	HNBR5.0-35-65-P-NS-VANSCHIE2	G13794
FOV535-35-80-7-60	G56751	GZSD-36-164-2	G23617	HNBR5.0-35-65-P-NS-VANSCHIE3	G13792
FOV535-35-80-8-12	G56752	GZSD-46-82-2	G23618	HNBR5.0-35-65-P-NS-VANSCHIE4	G13783
FOV535-35-80-8-20	G56754	GZSD-46-123-2	G23619	HNBR5.0-35-65-P-NS-VANSCHIE5	G13793
FOV535-35-80-8-30	G56756	GZSD-46-164-2	G23620	HNBR5.0-35-90-P-NS-RUC	G26973
FOV535-35-80-8-40	G56757	GZV-15-25	G19436	HNBR5.0-35-100-P-NS-DAV	G08699
FOV535-35-80-8-60	G56758	GZV-15-50	G19447	HNBR5.0-35-100-P-NS-H1	G08421

ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER
HNBR5.0-35-100-P-NS-JB1	G08472	HW-25-150	G36334	IMWCE-35-15-10	G19929
HNBR5.0-35-100-P-NS-JB2	G08809	HW-35-150	G36283	IMWCE-35-15-15	G20055
HNBR5.0-35-100-P-NS-SIM1	G08471	HW-35-180	G36324	IMWCE-35-15-20	G19949
HNBR5.0-35-100-P-NS-SIM2	G08422	HW-35-260	G36325	IMWCE-35-20-10	G20616
HNBR5.0-35-100-P-NS-VERT	G11483	HW-38-150	G36287	IMWCE-35-20-15	G52979
HNBR5.0-35-100-P-NS-WN BG	G08805	HW-38-180	G36335	IMWCE-35-20-20	G20151
HNBR5.0-38-65-P-NS-C1	G08446	HWA-18-80	G48670	IMWCE-38-1-3	G19960
HNBR5.0-38-65-P-NS-C2	G08447	HWA-18-150	G36275	IMWCE-38-1.5-5	G20165
HNBR5.0-38-65-P-NS-C3	G08448	HWA-18-180	G36277	IMWCE-38-2-3	G42448
HNBR5.0-38-65-P-NS-KMP	G09469	HWA-18-260	G36278	IMWCE-38-3-3	G20338
HNBR5.0-38-65-P-NS-LEV1	G11194	HWA-25-180	G36280	IMWCE-38-3-5	G42451
HNBR5.0-38-65-P-NS-MPA	G11195	HWA-25-260	G36281	IMWCE-38-4-3	G42454
HNBR5.0-38-65-P-NS-RC1	G08641	HWA-35-80	G48671	IMWCE-38-4-3-JACKSON	G20108
HNBR5.0-38-65-P-NS-RC2	G08642	HWA-35-150	G36282	IMWCE-38-4-4	G20013
HNBR5.0-38-65-P-NS-RDC	G08578	HWA-35-180	G36284	IMWCE-38-4-4-JACKSON	G20109
HNBR5.0-38-65-P-NS-RIM	G10082	HWA-35-260	G36300	IMWCE-38-5-3	G42458
HNBR5.0-38-65-P-NS-SHK1.0	G11476	HWA-38-150	G36286	IMWCE-38-5-4	G20381
HNBR5.0-38-65-P-NS-SIM1	G08677	HWA-38-180	G36288	IMWCE-38-5-5	G42460
HNBR5.0-38-65-P-NS-TEGT	G11377	HWA-38-260	G36301	IMWCE-38-5-5-JACKSON	G20110
HNBR5.0-38-65-P-NS-VS1	G11486	HWAS-35-150	G36290	IMWCE-38-5-6	G20014
HNBR5.0-38-65-P-NS-VS2	G12715	HWAS-35-180	G36292	IMWCE-38-5-6-JACKSON	G20349
HNBR5.0-38-65-P-NS-VSC1	G20791	HWAS-35-260	G36293	IMWCE-38-5-7	G20032
HNBR5.0-38-65-P-NS-VSC2	G20038	HWAS-38-260	G36297	IMWCE-38-5-8	G42463
HNBR5.0-38-65-P-NS-VSC3	G21042	HWS-35-150	G36291	IMWCE-38-5-8-JACKSON	G20111
HNBR5.0-38-80-P-NS-CHG-B	G13560	HWS-35-180	G36326	IMWCE-38-5-10	G42465
HNBR5.0-38-80-P-NS-VS	G11209	HWS-35-260	G36327	IMWCE-38-5-12	G42466
HNBR5.0-38-80-P-NS-VS2	G11190	HWS-38-180	G36336	IMWCE-38-5-15	G42467
HNBR5.0-38-80-P-NS-VS3	G11191	IGTCFS-65-2-FEM-CELECT	G52920	IMWCE-38-6-10-JACKSON	G20112
HNBR5.0-38-100-P-NS-C2	G09967	IGTCFS-65-2-FEM-TULIP	G52925	IMWCE-38-6-12-JACKSON	G20113
HNBR5.0-38-100-P-NS-DAV	G08581	IGTCFS-65-2-JUG-CELECT	G52919	IMWCE-38-6-12	G20325
HNBR5.0-38-100-P-NS-H1	G08419	IGTCFS-65-2-JUG-TULIP	G52924	IMWCE-38-8-5	G42472
HNBR5.0-38-100-P-NS-JB1	G08583	IGTCFS-65-2-UNI-CELECT	G52921	IMWCE-38-8-8	G20546
HNBR5.0-38-100-P-NS-JB2	G09654	IGTCFS-65-2-UNI-TULIP	G52926	IMWCE-38-8-10	G42475
HNBR5.0-38-100-P-NS-JB3	G11192	IMWCE-3-PDA3	G20231	IMWCE-38-8-12	G19889
HNBR5.0-38-100-P-NS-MAN	G11201	IMWCE-3-PDA4	G20232	IMWCE-38-8-15	G42477
HNBR5.0-38-100-P-NS-MPA	G11205	IMWCE-3-PDA5	G20233	IMWCE-38-10-10	G19920
HNBR5.0-38-100-P-NS-MPB	G11206	IMWCE-5-PDA3	G20234	IMWCE-38-10-12	G20580
HNBR5.0-38-100-P-NS-RIM	G12870	IMWCE-5-PDA4	G20235	IMWCE-38-10-15	G19950
HNBR5.0-38-100-P-NS-SIM1	G08584	IMWCE-5-PDA5	G20236	IMWCE-38-10-20	G20578
HNBR5.0-38-100-P-NS-SIM2	G08420	IMWCE-6.5-PDA3	G20624	IMWCE-38-15-10	G19886
HNBR5.0-38-100-P-NS-SIM3	G08585	IMWCE-6.5-PDA4	G20625	IMWCE-38-15-15	G42487
HNBR5.0-38-100-P-NS-TEGT	G11193	IMWCE-6.5-PDA5	G20615	IMWCE-38-15-20	G19887
HNBR5.0-38-100-P-NS-VERT	G11484	IMWCE-8-PDA3	G20237	IMWCE-38-15-30	G52983
HNBR5.0-38-100-P-NS-WN BG	G08582	IMWCE-8-PDA4	G20238	IMWCE-38-16-45	G52984
HNBR5.0-38-125-P-NS-H1	G11378	IMWCE-8-PDA5	G20239	IMWCE-38-20-10	G20182
HNBR5.0-38-125-P-NS-JB1	G11726	IMWCE-35-1-3	G19989	IMWCE-38-20-20	G33351
HNBR5.0-38-125-P-NS-MPA	G12154	IMWCE-35-1.5-3	G20422	INDY-8.0-35-55-40	G51835
HNBR5.0-38-125-P-NS-SIM2	G11517	IMWCE-35-1.5-5	G19992	INDY-8.0-35-100-40	G51836
HNBR5.0-38-125-P-NS-VERT	G12170	IMWCE-35-2-3	G42406	JCD4.0-18-10.0-MPIS-SC-SST	G53575
HNBR5.0-38-125-P-NS-VTK	G11642	IMWCE-35-2.5-5	G19948	JCD5.0-18-10.0-MPIS-SC-SST	G53574
HNR4.0-35-65-P-85-VCF	G12394	IMWCE-35-3-3	G42408	JCD5.0-35-15	G00998
HNR4.0-35-70-P-4S-PED	G11263	IMWCE-35-3-4	G42409	JCD5.0-35-20	G00972
HNR4.0-35-70-P-10S-0	G09409	IMWCE-35-3-5	G42410	JCD5.0-35-20-HC	G10282
HNR4.0-35-70-P-10S-CFP	G11279	IMWCE-35-3-7	G20340	JCD5.0-38-20	G00983
HNR4.0-35-70-P-10S-PIG	G09406	IMWCE-35-3-8	G19952	JCD5.0-38-20-HC	G10283
HNR4.0-35-70-P-NS-0	G11158	IMWCE-35-4-3	G42414	JCD6.0-35-20	G00868
HNR4.0-35-100-P-10S-0	G09111	IMWCE-35-4-3-JACKSON	G20102	JCD6.0-35-20-HC	G10284
HNR4.0-35-100-P-10S-CFP	G11422	IMWCE-35-4-4	G20098	JCD6.0-38-20	G00937
HNR4.0-35-100-P-10S-PIG	G11278	IMWCE-35-4-4-JACKSON	G20103	JCD6.0-38-20-COONS	G04221
HNR4.0-35-110-P-10S-PIG	G11423	IMWCE-35-4-5	G20447	JCD6.0-38-20-HC	G10285
HNR4.0-35-125-P-10S-PIG	G27864	IMWCE-35-5-3	G42419	JCD7.0-35-20	G00892
HNR5.0-35-65-P-85-VCF	G12129	IMWCE-35-5-4	G20322	JCD7.0-35-20-HC	G10287
HNR5.0-35-70-P-10S-0	G09411	IMWCE-35-5-5	G36405	JCD7.0-38-20	G00973
HNR5.0-35-70-P-10S-CFP	G11262	IMWCE-35-5-5-JACKSON	G20104	JCD7.0-38-20-HC	G10208
HNR5.0-35-70-P-10S-PIG	G08832	IMWCE-35-5-6	G20291	JCD8.0-35-20	G00984
HNR5.0-35-70-P-NS-0	G11959	IMWCE-35-5-7	G19907	JCD8.0-38-20-COONS	G03927
HNR5.0-35-90-P-10S-0	G09412	IMWCE-35-5-8	G42423	JCD8.0-38-20	G00980
HNR5.0-35-100-P-10S-0	G09697	IMWCE-35-5-10	G19908	JCD8.0-38-20-HC	G10289
HNR5.0-35-100-P-10S-PIG	G09059	IMWCE-35-5-12	G20096	JCD9.0-38-20	G00992
HNR5.0-35-110-P-10S-PIG	G11265	IMWCE-35-5-15	G20149	JCD9.0-38-20-HC	G10290
HNR5.0-38-70-P-10S-0	G11270	IMWCE-35-8-5	G19957	JCD10.0-38-20	G00993
HNR5.0-38-70-P-10S-PIG	G11272	IMWCE-35-8-8	G20948	JCD10.0-38-20-COONS	G03928
HNR5.0-38-70-P-NS-0	G11289	IMWCE-35-8-10	G20207	JCD10.0-38-20-HC	G10207
HNR5.0-38-100-P-10S-0	G11267	IMWCE-35-8-12	G20407	JCD11.0-38-20	G00994
HNR5.0-38-100-P-10S-PIG	G09285	IMWCE-35-8-15	G20326	JCD12.0-38-20	G00995
HPCT8.8-30-P-FM	G00065	IMWCE-35-10-5	G19956	JCD12.0-38-20-COONS	G03929
HPCT8.8-60-P-FM	G00067	IMWCE-35-10-8	G20452	JCD12.0-38-20-HC	G10292
HPCT8.8-100-P-FM	G00059	IMWCE-35-10-10	G20035	JCD13.0-38-20	G01454
HPCT8.8-120-P-FM	G00061	IMWCE-35-10-12	G20825	JCD14.0-38-20	G00996
HPCT8.8-180-P-FM	G00882	IMWCE-35-10-15	G19942	JCD14.0-38-20-COONS	G03932
HW-18-180	G36276	IMWCE-35-10-20	G52980	JCD14.0-38-20-HC	G10293

ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER
JCD15.0-38-20	G01402	KCFW-7.0-38-55-RB-RAABE	G11633	MPIS-401-NT-SST	G47942
JCD16.0-38-20	G01212	KCFW-7.0-38-70-RB-RAABE	G11635	MPIS-401-NT-U-SST	G47944
JCD16.0-38-20-COONS	G03947	KCFW-7.0-38-90-RB	G11617	MPIS-401-PEDAL-NT-U-SST	G02972
JCD16.0-38-20-HC	G10206	KCFW-7.0-38-90-RB-RAABE	G11634	MPIS-401-U-SST	G47949
JCD18.0-38-20	G01328	KCFW-8.0-18/38-45-RB-ANL0-HC	G49099	MPIS-405-SST	G47950
JCD18.0-38-20-COONS	G04051	KCFW-8.0-18/38-45-RB-ANL1-HC	G49100	MPIS-501-10.0-SC-NT-SST	G48007
JCD20.0-38-20	G01471	KCFW-8.0-35-55-RB-HFANL0-HC	G56233	MPIS-501-10.0-SC-NT-U-SST	G48008
JCD20.0-38-20-COONS	G04264	KCFW-8.0-35-55-RB-HFANL1-HC	G49045	MPIS-501-15.0-SC-NT-SST	G48005
JCD22.0-38-20	G01472	KCFW-8.0-35-70-RB-HFANL0-HC	G56223	MPIS-501-NT-SST	G43870
JCD22.0-38-20-COONS	G04443	KCFW-8.0-35-70-RB-HFANL1-HC	G56228	MPIS-501-NT-U-SST	G43871
JCD24.0-38-20	G01884	KCFW-8.0-35-110-RB-HFANL1-HC	G49046	MPIS-501-U-SST	G43869
JCD5-14-EDS-HC	G52833	KCFW-8.0-38-30-RB	G07878	MPIS-505-SST	G43872
JCD5-1618-EDS-HC	G52834	KCFW-8.0-38-40-RB-BLKN	G10385	MWCE-18-3-2-NESTER	G52731
JCD5-2022-EDS-HC	G52835	KCFW-8.0-38-40-RB-BLKN-HC	G32216	MWCE-18-3-3-NESTER	G52732
JCD5-2426-EDS-HC	G52836	KCFW-8.0-38-45-RB	G09601	MWCE-18-5-2-NESTER	G52733
JDS-80	G33042	KCFW-8.0-38-55-RB-RAABE	G12242	MWCE-18-5-3-NESTER	G52734
JDS-110	G33041	KCFW-8.0-38-70-RB-RAABE	G11637	MWCE-18-5-5-NESTER	G23520
KCFN-5.0-18-13-RA2.5-HC	G12660	KCFW-8.0-38-90-RB	G09602	MWCE-18-7-2-NESTER	G52735
KCFN-5.0-18-23-RA2.5-HC	G12661	KCFW-9.0-18/38-45-RB-ANL0-HC	G49101	MWCE-18-7-3-NESTER	G52736
KCFN-6.0-18-7-RA2.5-HC	G11607	KCFW-9.0-38-55-RB-RAABE	G36393	MWCE-18-7-4-NESTER	G52737
KCFN-6.0-18-13-RA2.5-HC	G11604	KCFW-9.0-38-70-RB-RAABE	G12606	MWCE-18-7-5-NESTER	G23521
KCFN-6.0-18-23-RA2.5-HC	G11605	KCFW-10.0-35-45-RB-HFANL0-HC	G56278	MWCE-18-7-6-NESTER	G52738
KCFN-7.0-18-13-RA2.5-HC	G11608	KCFW-10.0-35-45-RB-HFANL1-HC	G47700	MWCE-18-7-8-NESTER	G52739
KCFN-7.0-18-23-RA2.5-HC	G11609	KCFW-10.0-38-30-RB	G13032	MWCE-18-7-10-NESTER	G52741
KCFW-4.0-18/35-45-RB-ANL0-HC	G48186	KCFW-10.0-38-40-RB	G32233	MWCE-18-14-3-NESTER	G26987
KCFW-4.0-18/35-90-RB-ANL0-HC	G48188	KCFW-10.0-38-40-RB-BLKN	G32372	MWCE-18-14-4-NESTER	G26988
KCFW-4.0-18/35-110-RB-ANL0-HC	G48191	KCFW-10.0-38-80-RB	G13033	MWCE-18-14-5-NESTER	G23522
KCFW-4.0-35-55-RB-HFANL0-HC	G56229	KCFW-12.0-35-45-RB-HFANL0-HC	G56279	MWCE-18-14-6-NESTER	G26989
KCFW-4.0-35-55-RB-HFANL1-HC	G56234	KCFW-12.0-35-45-RB-HFANL1-HC	G47701	MWCE-18-14-8-NESTER	G26990
KCFW-4.0-35-55-RB-RAABE	G48187	KCFW-12.0-38-40-RB	G32373	MWCE-18-14-10-NESTER	G26986
KCFW-4.0-35-70-RB-HFANL0-HC	G56219	KCFW-12.0-38-40-RB-BLKN	G32374	MWCE-35-7-3-NESTER	G23523
KCFW-4.0-35-70-RB-HFANL1-HC	G56224	KCFW-12.0-38-80-RB	G49487	MWCE-35-7-4-NESTER	G52742
KCFW-5.0-18/38-45-RB-ANL0-HC	G44153	KSAW-4.0-18/35-90-RB-SHTL-HC	G48190	MWCE-35-7-5-NESTER	G23524
KCFW-5.0-18/38-45-RB-ANL1-HC	G29981	KSAW-4.0-18/35-110-RB-SHTL-HC	G48193	MWCE-35-7-6-NESTER	G52743
KCFW-5.0-18/38-45-RB-ANL2-HC	G30117	KSAW-5.0-18/38-55-RB-ANL1-HC	G29995	MWCE-35-7-8-NESTER	G52744
KCFW-5.0-18/38-90-RB-ANL0-HC	G48189	KSAW-5.0-18/38-55-RB-ANL2-HC	G30120	MWCE-35-7-10-NESTER	G52745
KCFW-5.0-18/38-90-RB-ANL1-HC	G29988	KSAW-5.0-18/38-55-RB-ANL3-HC	G30121	MWCE-35-7-12-NESTER	G52746
KCFW-5.0-18/38-90-RB-ANL2-HC	G36331	KSAW-5.0-18/38-90-RB-SHTL-HC	G30009	MWCE-35-7-14-NESTER	G52747
KCFW-5.0-18/38-110-RB-ANL0-HC	G48192	KSAW-5.0-18/38-110-RB-SHTL-HC	G48194	MWCE-35-7-16-NESTER	G52748
KCFW-5.0-35-55-RB-HFANL0-HC	G56230	KSAW-5.0-38-90-RB-SHTL-FLEX-HC	G31133	MWCE-35-7-20-NESTER	G52750
KCFW-5.0-35-55-RB-HFANL1-HC	G56235	KSAW-6.0-18/38-55-RB-ANL1-HC	G29996	MWCE-35-14-3-NESTER	G23525
KCFW-5.0-35-70-RB-HFANL0-HC	G56220	KSAW-6.0-18/38-55-RB-ANL2-HC	G29997	MWCE-35-14-4-NESTER	G26993
KCFW-5.0-35-70-RB-HFANL1-HC	G56225	KSAW-6.0-18/38-55-RB-ANL3-HC	G29998	MWCE-35-14-5-NESTER	G23526
KCFW-5.0-38-30-RB	G32194	KSAW-6.0-38-80-RB-SHTL-HC	G13539	MWCE-35-14-6-NESTER	G26994
KCFW-5.0-38-45-RB	G49570	KSAW-6.0-38-90-RB-SHTL-HC	G13264	MWCE-35-14-8-NESTER	G26995
KCFW-5.0-38-55-RB-RAABE	G13009	KSAW-6.0-38-90-RB-SHTL-FLEX-HC	G31138	MWCE-35-14-10-NESTER	G26991
KCFW-5.0-38-70-RB-RAABE	G13091	KSAW-6.0-38-110-RB-SHTL-HC	G50141	MWCE-35-14-12-NESTER	G26992
KCFW-5.0-38-90-RB-RAABE	G13069	KSAW-7.0-18/38-55-RB-ANL1-HC	G29999	MWCE-35-14-14-NESTER	G52751
KCFW-5.5-38-40-RB-BLKN	G12656	KSAW-7.0-18/38-55-RB-ANL2-HC	G30000	MWCE-35-14-18-NESTER	G52753
KCFW-5.5-38-40-RB-BLKN-HC	G32208	KSAW-7.0-18/38-55-RB-ANL3-HC	G30001	MWCE-35-14-20-NESTER	G52754
KCFW-6.0-18/38-45-RB-ANL0-HC	G44154	KSAW-7.0-38-80-RB-SHTL-HC	G13338	MWCE-35-20-5-NESTER	G23527
KCFW-6.0-18/38-45-RB-ANL1-HC	G29982	KSAW-7.0-38-90-RB-SHTL-HC	G12835	MWCE-35-20-6-NESTER	G23528
KCFW-6.0-18/38-45-RB-ANL2-HC	G29983	KSAW-8.0-38-90-RB-SHTL-HC	G12836	MWCE-35-20-8-NESTER	G23529
KCFW-6.0-18/38-90-RB-ANL1-HC	G29989	LMGN-6.0C-90-0-HC	G11138	MWCE-35-20-10-NESTER	G23530
KCFW-6.0-18/38-90-RB-ANL2-HC	G29990	LMGN-6.0C-90-ANG-HC	G11140	MWCE-35-20-12-NESTER	G23531
KCFW-6.0-35-RB	G10332	LMGN-7.0C-90-ANG-HC	G11352	MWCE-35-20-14-NESTER	G23532
KCFW-6.0-35-45-RB	G09908	LMGN-8.0C-90-ANG-HC	G11353	MWCE-35-20-16-NESTER	G23533
KCFW-6.0-35-55-RB-HFANL0-HC	G56231	LMGRF-7.0C-80-MPA-PULM	G11164	MWCE-35-20-18-NESTER	G23534
KCFW-6.0-35-55-RB-HFANL1-HC	G56236	LMGRF-8.0C-55-MPB	G10143	MWCE-35-20-20-NESTER	G52756
KCFW-6.0-35-70-RB-HFANL0-HC	G56221	MCS-2.5-NT-100-15-HP	G54529	MWCE-35-4/3-TORNADO	G10414
KCFW-6.0-35-70-RB-HFANL1-HC	G56226	MCS-2.5-NT-110-15-HP	G54530	MWCE-35-5/3-TORNADO	G10415
KCFW-6.0-38-30-RB	G08867	MCS-2.5-NT-135-15-HP	G54531	MWCE-35-6/3-TORNADO	G10416
KCFW-6.0-38-40-RB-BLKN-HC	G32224	MCS-2.5-NT-150-15-HP	G54532	MWCE-35-7/3-TORNADO	G10417
KCFW-6.0-38-40-RB-BLKN	G10383	MCS-2.5-NT2-100-15-HP	G23799	MWCE-35-8/4-TORNADO	G10411
KCFW-6.0-38-45-RB	G09809	MCS-2.5-NT2-135-15-HP	G23801	MWCE-35-8/5-TORNADO	G10412
KCFW-6.0-38-55-RB-RAABE	G11638	MCS-2.5-NT2-150-15-HP	G23802	MWCE-35-10/3-TORNADO	G10418
KCFW-6.0-38-70-RB-RAABE	G11636	MCS-2.8-NT-100-15-HP	G54533	MWCE-35-10/4-TORNADO	G10428
KCFW-6.0-38-90-RB	G13129	MCS-2.8-NT-110-15-HP	G54534	MWCE-35-10/5-TORNADO	G10413
KCFW-6.0-38-90-RB-RAABE	G12266	MCS-2.8-NT-135-15-HP	G54535	MWCE-185-0.5-0-HILAL	G19693
KCFW-7.0-18/38-45-RB-ANL0-HC	G44155	MCS-2.8-NT-150-15-HP	G54536	MWCE-185-0.7-0-HILAL	G19692
KCFW-7.0-18/38-45-RB-ANL1-HC	G29985	MCS-2.8-NT2-100-15-HP	G23803	MWCE-185-1.0-0-HILAL	G19694
KCFW-7.0-18/38-45-RB-ANL2-HC	G29986	MCS-2.8-NT2-135-15-HP	G23805	MWCE-185-1.0-3-HILAL	G19695
KCFW-7.0-35-55-RB-HFANL0-HC	G56232	MCS-2.8-NT2-150-15-HP	G23806	MWCE-185-1.2-2-A	G19645
KCFW-7.0-35-55-RB-HFANL1-HC	G49043	MCSS-2.5-NT-135-SAGITTA-HC	G18484	MWCE-185-1.5-5-HILAL	G19660
KCFW-7.0-35-70-RB-HFANL0-HC	G56222	MCSS-2.5-NT-150-SAGITTA-HC	G18487	MWCE-185-1.8-3-A	G19659
KCFW-7.0-35-70-RB-HFANL1-HC	G56227	MCSS-2.8-NT-135-SAGITTA-HC	G18485	MWCE-185-2.0-2-HILAL	G20332
KCFW-7.0-35-110-RB-HFANL1-HC	G49044	MCSS-2.8-NT-150-SAGITTA-HC	G18488	MWCE-185-2.0-4-HILAL	G20333
KCFW-7.0-38-30-RB	G08246	MG-35-145-GRAD	G09452	MWCE-185-2.0-5-B	G19646
KCFW-7.0-38-40-RB-BLKN	G10384	MG-35-180-GRAD	G09508	MWCE-185-2.4-4-A	G19681
KCFW-7.0-38-40-RB-BLKN-HC	G32225	MPIS-401-10.0-SC-NT-SST	G48003	MWCE-185-2.6-3-C	G19667
KCFW-7.0-38-45-RB	G09810	MPIS-401-10.0-SC-NT-U-SST	G48004	MWCE-185-3.0-3-HILAL	G20222

ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER
MWCE-18S-3.0-4-HILAL	G20223	PTA3-14-90-3-2	G26602	PTA4-18-135-5-6	G50239
MWCE-18S-3.0-7-B	G19653	PTA3-14-90-3-3	G26604	PTA4-18-135-5-8	G50241
MWCE-18S-3.0-10-HILAL	G19683	PTA3-14-90-3-4	G26605	PTA4-18-135-5-8-PTX	G53267
MWCE-18S-3.5-4-C	G19648	PTA3-14-90-3-6	G26606	PTA4-18-135-5-10	G50243
MWCE-18S-4.0-6-HILAL	G20336	PTA3-14-90-3-8	G26607	PTA4-18-135-5-10-PTX	G51135
MWCE-18S-4.0-7-HILAL	G20586	PTA3-14-90-3-10	G26608	PTA4-18-135-6-2	G50245
MWCE-18S-4.2-10-B	G19655	PTA3-14-90-3-12	G26610	PTA4-18-135-6-2-PTX	G53268
MWCE-18S-5.2-12-B	G19654	PTA3-14-150-1.5-2	G26611	PTA4-18-135-6-4	G50247
MWCE-18S-6.0-5-HILAL	G20335	PTA3-14-150-1.5-4	G26614	PTA4-18-135-6-4-PTX	G53269
MWCE-18S-6.0-7-HILAL	G20551	PTA3-14-150-2-2	G26620	PTA4-18-135-6-6	G50249
MWCE-18S-3/2-TORNADO	G08261	PTA3-14-150-2-3	G26621	PTA4-18-135-6-8	G50251
MWCE-18S-4/2-TORNADO	G08357	PTA3-14-150-2-4	G26622	PTA4-18-135-6-8-PTX	G53270
MWCE-18S-4/3-TORNADO	G12924	PTA3-14-150-2-6	G26625	PTA4-18-135-6-10	G50253
MWCE-18S-5/2-TORNADO	G08356	PTA3-14-150-2-8	G26626	PTA4-18-135-6-10-PTX	G51137
MWCE-18S-6/2-TORNADO	G08259	PTA3-14-150-2-10	G26636	PTA4-18-135-7-2	G50255
MWCE-18S-7/3-TORNADO	G09218	PTA3-14-150-2-12	G26641	PTA4-18-135-7-2-PTX	G53271
MWCE-18S-8/4-TORNADO	G09215	PTA3-14-150-2.5-2	G26643	PTA4-18-135-7-4	G50257
MWCE-18S-8/5-TORNADO	G08939	PTA3-14-150-2.5-3	G26646	PTA4-18-135-7-4-PTX	G53272
MWCE-18S-10/4-TORNADO	G09217	PTA3-14-150-2.5-4	G26653	PTA4-18-135-7-6	G50259
MWCE-18S-10/5-TORNADO	G09216	PTA3-14-150-2.5-6	G26665	PTA4-18-135-7-8	G50262
NCD4.0-35-15	G02551	PTA3-14-150-2.5-8	G26677	PTA4-18-135-7-8-PTX	G53274
NCD4.0-35-20	G02366	PTA3-14-150-2.5-10	G26678	PTA4-18-135-7-10	G50264
NR5.0-35-70-P-10S-0-CSC-20	G31213	PTA3-14-150-2.5-12	G26679	PTA4-18-135-7-10-PTX	G53275
NR5.0-35-70-P-10S-PIG-CAVA	G31230	PTA3-14-150-3-2	G26680	PTA4-18-135-8-2-PTX	G53276
NR5.0-35-70-P-10S-PIG-CSC-20	G31215	PTA3-14-150-3-3	G26681	PTA4-18-135-8-4-PTX	G53277
NR5.0-35-70-P-10S-PIG-WSC	G31224	PTA3-14-150-3-4	G26706	PTA4-18-135-8-8-PTX	G53279
NR5.0-35-70-P-10S-VCF-CAVA	G31232	PTA3-14-150-3-6	G26707	PTA4-18-135-8-10-PTX	G53280
NR5.0-35-90-P-10S-PIG-CAVA	G31231	PTA3-14-150-3-8	G26710	PTA5-35-80-3-2.0	G52325
NR5.0-35-90-P-10S-VCF-CAVA	G31233	PTA3-14-150-3-10	G26719	PTA5-35-80-3-4.0	G52326
NR5.0-35-100-P-10S-0-CSC-20	G31214	PTA3-14-150-3-12	G26724	PTA5-35-80-3-8.0	G52327
NR5.0-35-100-P-10S-PIG-CSC-20	G31216	PTA4-18-80-3-2	G50215	PTA5-35-80-3-10.0	G52328
NR5.0-35-100-P-10S-PIG-WSC	G31226	PTA4-18-80-3-4	G50217	PTA5-35-80-3-12.0	G52329
NWCE-35-7-18-NESTER	G52749	PTA4-18-80-3-6	G50219	PTA5-35-80-3-14.0	G52330
OTD-100	G13811	PTA4-18-80-3-8	G50221	PTA5-35-80-4-2.0	G52331
P5.0-35-65-P-NS-0	G00130	PTA4-18-80-3-10	G50223	PTA5-35-80-4-4.0	G52332
P5.0-35-100-P-NS-JB2	G00106	PTA4-18-80-4-2	G50225	PTA5-35-80-4-8.0	G52333
P5.0B-38-100-P-NS-0	G00159	PTA4-18-80-4-4	G50227	PTA5-35-80-4-10.0	G52334
PDAS-5.0-80	G20119	PTA4-18-80-4-6	G50229	PTA5-35-80-4-12.0	G52335
PDAS-5.0-110	G20120	PTA4-18-80-4-8	G50231	PTA5-35-80-4-14.0	G52336
PMG-18SP-60-COPE-NT-ST	G09395	PTA4-18-80-4-10	G50232	PTA5-35-80-5-2.0	G52337
POWS-FLL-MLL	G00213	PTA4-18-80-5-2	G50234	PTA5-35-80-5-4.0	G52338
PPV-100	G03468	PTA4-18-80-5-4	G50236	PTA5-35-80-5-6.0	G52339
PPV-200	G04725	PTA4-18-80-5-6	G50238	PTA5-35-80-5-8.0	G52340
PTA3-14-50-1.5-2	G26090	PTA4-18-80-5-8	G50240	PTA5-35-80-5-10.0	G52341
PTA3-14-50-1.5-4	G26091	PTA4-18-80-5-10	G50242	PTA5-35-80-5-12.0	G52342
PTA3-14-50-2-2	G26092	PTA4-18-80-6-2	G50244	PTA5-35-80-5-14.0	G52343
PTA3-14-50-2-3	G26093	PTA4-18-80-6-4	G50246	PTA5-35-80-6-2.0	G52344
PTA3-14-50-2-4	G26094	PTA4-18-80-6-6	G50248	PTA5-35-80-6-4.0	G52345
PTA3-14-50-2-6	G26095	PTA4-18-80-6-8	G50250	PTA5-35-80-6-6.0	G52346
PTA3-14-50-2-8	G26096	PTA4-18-80-6-10	G50252	PTA5-35-80-6-8.0	G52347
PTA3-14-50-2-10	G26098	PTA4-18-80-7-2	G50254	PTA5-35-80-6-10.0	G52348
PTA3-14-50-2-12	G26099	PTA4-18-80-7-4	G50256	PTA5-35-80-6-12.0	G52349
PTA3-14-50-2.5-2	G26100	PTA4-18-80-7-6	G50258	PTA5-35-80-6-14.0	G52350
PTA3-14-50-2.5-3	G26101	PTA4-18-80-7-8	G50260	PTA5-35-80-7-2.0	G52351
PTA3-14-50-2.5-4	G26102	PTA4-18-80-7-10	G50263	PTA5-35-80-7-4.0	G52352
PTA3-14-50-2.5-6	G26103	PTA4-18-80-8-2	G50265	PTA5-35-80-7-6.0	G52353
PTA3-14-50-2.5-8	G26104	PTA4-18-80-8-4	G50267	PTA5-35-80-7-8.0	G52354
PTA3-14-50-2.5-10	G26105	PTA4-18-80-8-6	G50269	PTA5-35-80-7-10.0	G52355
PTA3-14-50-2.5-12	G26106	PTA4-18-80-8-8	G50271	PTA5-35-80-7-12.0	G52356
PTA3-14-50-3-2	G26107	PTA4-18-80-8-10	G50273	PTA5-35-80-7-14.0	G52357
PTA3-14-50-3-3	G26109	PTA4-18-135-3-2	G50216	PTA5-35-80-8-2.0	G52358
PTA3-14-50-3-4	G26110	PTA4-18-135-3-2-PTX	G52931	PTA5-35-80-8-4.0	G52359
PTA3-14-50-3-6	G26111	PTA4-18-135-3-4	G50218	PTA5-35-80-8-6.0	G52360
PTA3-14-50-3-8	G26112	PTA4-18-135-3-4-PTX	G53258	PTA5-35-80-8-8.0	G52361
PTA3-14-50-3-10	G26113	PTA4-18-135-3-6	G50220	PTA5-35-80-8-10.0	G52362
PTA3-14-50-3-12	G26115	PTA4-18-135-3-8	G50222	PTA5-35-80-8-12.0	G52363
PTA3-14-90-1.5-2	G26117	PTA4-18-135-3-8-PTX	G53260	PTA5-35-80-8-14.0	G52364
PTA3-14-90-1.5-4	G26118	PTA4-18-135-3-10	G50224	PTA5-35-80-9-3.0	G52365
PTA3-14-90-2-2	G26119	PTA4-18-135-3-10-PTX	G53261	PTA5-35-80-9-4.0	G52366
PTA3-14-90-2-3	G26121	PTA4-18-135-4-2	G50226	PTA5-35-80-9-6.0	G52367
PTA3-14-90-2-4	G26122	PTA4-18-135-4-2-PTX	G53262	PTA5-35-80-9-8.0	G52368
PTA3-14-90-2-6	G26123	PTA4-18-135-4-4	G50228	PTA5-35-80-9-10.0	G52369
PTA3-14-90-2-8	G26195	PTA4-18-135-4-4-PTX	G53263	PTA5-35-80-9-12.0	G52370
PTA3-14-90-2-10	G26400	PTA4-18-135-4-6	G50230	PTA5-35-80-9-14.0	G52371
PTA3-14-90-2-12	G26401	PTA4-18-135-4-8	G49479	PTA5-35-80-10-3.0	G52372
PTA3-14-90-2.5-2	G26402	PTA4-18-135-4-8-PTX	G53281	PTA5-35-80-10-4.0	G52373
PTA3-14-90-2.5-3	G26403	PTA4-18-135-4-10	G50233	PTA5-35-80-10-6.0	G52374
PTA3-14-90-2.5-4	G26404	PTA4-18-135-4-10-PTX	G51133	PTA5-35-80-10-8.0	G52375
PTA3-14-90-2.5-6	G26405	PTA4-18-135-5-2	G50235	PTA5-35-80-10-10.0	G52376
PTA3-14-90-2.5-8	G26406	PTA4-18-135-5-2-PTX	G53265	PTA5-35-80-10-12.0	G52377
PTA3-14-90-2.5-10	G26407	PTA4-18-135-5-4	G50237	PTA5-35-80-10-14.0	G52378
PTA3-14-90-2.5-12	G26601	PTA4-18-135-5-4-PTX	G53266	PTA5-35-80-12-4.0	G52379

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PTA5-35-80-12-8.0	G52380	PTAX4-14-110-4-4	G18969	RCFW-6.0-38-75-RB-MTS	G09532
PTA5-35-135-3-2.0	G52245	PTAX4-14-110-4-6	G18999	RCFW-7.0-35-RB	G09118
PTA5-35-135-3-4.0	G52246	PTAX4-14-110-4-8	G19006	RCFW-7.0-38	G07431
PTA5-35-135-3-8.0	G52247	PTAX4-14-110-4-12	G19021	RCFW-7.0-38-30-RB	G07707
PTA5-35-135-3-10.0	G52248	PTAX4-14-110-4-16	G19064	RCFW-7.0-38-63-RB-MTS	G07816
PTA5-35-135-3-12.0	G52249	PTAX4-14-110-4-20	G19066	RCFW-7.0-38-75-RB-HLA-091100-BV	G03769
PTA5-35-135-3-14.0	G52250	PTAX4-14-170-2-2	G50313	RCFW-7.0-38-75-RB-MTS	G08756
PTA5-35-135-4-2.0	G52251	PTAX4-14-170-2-4	G50314	RCFW-8.0-38	G07432
PTA5-35-135-4-4.0	G52252	PTAX4-14-170-2-6	G50315	RCFW-8.0-38-30-RB	G08139
PTA5-35-135-4-8.0	G52253	PTAX4-14-170-2-8	G50316	RCFW-8.0-38-63-RB-MTS	G08133
PTA5-35-135-4-10.0	G52254	PTAX4-14-170-2-12	G50317	RCFW-8.0-38-75-RB-HLA-091100-BV	G03770
PTA5-35-135-4-12.0	G52255	PTAX4-14-170-2-16	G50318	RCFW-8.0-38-75-RB-MTS	G08759
PTA5-35-135-4-14.0	G52256	PTAX4-14-170-2-20	G50319	RCFW-8.0-38-85-RB-MTS	G08600
PTA5-35-135-5-2.0	G52257	PTAX4-14-170-2.5-2	G50320	RCFW-9.0-38	G07762
PTA5-35-135-5-4.0	G52258	PTAX4-14-170-2.5-4	G50321	RCFW-9.0-38-63-RB-MTS	G08835
PTA5-35-135-5-6.0	G52259	PTAX4-14-170-2.5-6	G50322	RCFW-9.0-38-75-RB-HLA-091100	G03771
PTA5-35-135-5-8.0	G52260	PTAX4-14-170-2.5-8	G50323	RCFW-9.0-38-75-RB-MTS	G09190
PTA5-35-135-5-10.0	G52261	PTAX4-14-170-2.5-12	G50324	RCFW-9.0-38-85-RB-MTS	G08694
PTA5-35-135-5-12.0	G52262	PTAX4-14-170-2.5-16	G50325	RCFW-10.0-38	G07600
PTA5-35-135-5-14.0	G52263	PTAX4-14-170-2.5-20	G50326	RCFW-10.0-38-30-RB	G08686
PTA5-35-135-6-2.0	G52264	PTAX4-14-170-3-2	G50327	RCFW-10.0-38-45-RB	G08955
PTA5-35-135-6-4.0	G52265	PTAX4-14-170-3-4	G50328	RCFW-10.0-38-63-RB-MTS	G08834
PTA5-35-135-6-6.0	G52266	PTAX4-14-170-3-6	G50329	RCFW-10.0-38-75-RB-HLA-091100	G28425
PTA5-35-135-6-8.0	G52267	PTAX4-14-170-3-8	G50330	RCFW-10.0-38-75-RB-MTS	G08709
PTA5-35-135-6-10.0	G52268	PTAX4-14-170-3-12	G50331	RCFW-10.0-38-85-RB-MTS	G08903
PTA5-35-135-6-12.0	G52269	PTAX4-14-170-3-16	G50332	RCFW-11.0-38-63-RB-MTS	G10011
PTA5-35-135-6-14.0	G52270	PTAX4-14-170-3-20	G50333	RCFW-11.0-38-75-RB-HLA-091100	G29935
PTA5-35-135-7-2.0	G52271	PTAX4-14-170-4-2	G50334	RCFW-11.0-38-75-RB-MTS	G09109
PTA5-35-135-7-4.0	G52272	PTAX4-14-170-4-4	G50335	RCFW-11.0-38-85-RB-MTS	G09135
PTA5-35-135-7-6.0	G52273	PTAX4-14-170-4-6	G50336	RCFW-12.0-38	G07601
PTA5-35-135-7-8.0	G52274	PTAX4-14-170-4-8	G50337	RCFW-12.0-38-30-RB	G08956
PTA5-35-135-7-10.0	G52275	PTAX4-14-170-4-12	G50338	RCFW-12.0-38-45-RB	G28433
PTA5-35-135-7-12.0	G52276	PTAX4-14-170-4-16	G50339	RCFW-12.0-38-63-RB-MTS	G10012
PTA5-35-135-7-14.0	G52277	PTAX4-14-170-4-20	G50340	RCFW-12.0-38-75-RB-HLA-091100	G28434
PTA5-35-135-8-2.0	G52278	PTBYC-RA	G06299	RCFW-12.0-38-75-RB-MTS	G09171
PTA5-35-135-8-4.0	G52279	PTWS-2FLL-MLL-R	G00219	RCFW-12.0-38-80-RB	G10407
PTA5-35-135-8-6.0	G52280	PTWSC-2FLL-MLL-R-HP	G06540	RCFW-12.0-38-85-RB-MTS	G09136
PTA5-35-135-8-8.0	G52281	PVA-100	G09662	RCFW-13.0-38-75-RB-MTS	G09172
PTA5-35-135-8-10.0	G52282	PVA-200	G09663	RCFW-14.0-38-30-RB	G08957
PTA5-35-135-8-12.0	G52283	PVA-300	G09664	RCFW-14.0-38-45-RB	G28438
PTA5-35-135-8-14.0	G52284	PVA-500	G09665	RCFW-14.0-38-80-RB	G09843
PTA5-35-135-9-3.0	G52285	PVA-700	G09666	RCFW-14.0-38-85-RB-MTS	G09102
PTA5-35-135-9-4.0	G52286	PVA-1000	G09667	RCFW-16.0P-38-30-RB	G09691
PTA5-35-135-9-6.0	G52287	PVA-1500	G09668	RCFW-16.0P-38-45-RB	G28445
PTA5-35-135-9-8.0	G52288	RCF-4.0-35-J	G07913	RCFW-16.0P-38-70-RB	G09582
PTA5-35-135-9-10.0	G52289	RCF-5.0-35-J	G07605	RCFW-16.0P-38-80-RB	G09695
PTA5-35-135-9-12.0	G52290	RCF-5.0-35-45-J	G27242	RCFW-18.0P-38-30-RB	G11672
PTA5-35-135-9-14.0	G52291	RCF-5.0-38-J	G07487	RCFW-18.0P-38-85-RB	G27025
PTA5-35-135-10-3.0	G52292	RCF-6.0-35-J	G07376	RFPC-35-145	G07914
PTA5-35-135-10-4.0	G52293	RCF-7.0-35-J	G07377	RFPC-35-145-0	G07915
PTA5-35-135-10-6.0	G52294	RCF-7.0-38-J	G07338	RFPC-35-180	G07937
PTA5-35-135-10-8.0	G52295	RCF-8.0-38-J	G07490	RFPC-35-260	G09029
PTA5-35-135-10-10.0	G52296	RCF-9.0-38-J	G07564	RFSPC-35-145	G09607
PTA5-35-135-10-12.0	G52297	RCF-10.0-38-J	G07417	RFSPC-35-180	G09608
PTA5-35-135-10-14.0	G52298	RCF-12.0-38-J	G07369	RLPC-35-145	G06866
PTA5-35-135-12-4.0	G52299	RCF-14.0-38-J	G08024	RLPC-35-180	G07516
PTA5-35-135-12-8.0	G52300	RCFN-4.0-18-5.5-RA1.5	G27022	RPC-35-80	G09534
PTA5-35-135-12-10.0	G52301	RCFN-4.0-18-13-RA2.5	G21107	RPC-35-145	G06979
PTA5-35-135-12-12.0	G52302	RCFN-4.0-18-23-RA1.5	G10692	RPC-35-145-0	G07285
PTA5-35-135-12-14.0	G52303	RCFN-4.0-18-MPIS-NT	G12664	RPC-35-180	G07518
PTAX4-14-110-2-2	G18676	RCFN-5.0-18-5.5-RA1.5	G12018	RPC-35-260	G09105
PTAX4-14-110-2-4	G18686	RCFN-5.0-18-7-RA2.5	G10268	RPC-38-145	G06980
PTAX4-14-110-2-6	G18694	RCFN-5.0-18-13-RA2.5	G10266	RPC-38-145-0	G07286
PTAX4-14-110-2-8	G18695	RCFN-5.0-18-23-RA2.5	G10267	RSTF-14-180	G08777
PTAX4-14-110-2-12	G18700	RCFN-5.0-18-MPIS-NT	G12424	RSTF-14-300	G08801
PTAX4-14-110-2-16	G18701	RCFN-5.0-35-J	G10025	RSTF-18-180	G07557
PTAX4-14-110-2-20	G18737	RCFN-6.0-18-7-RA2.5	G10387	RSTF-18-300	G07640
PTAX4-14-110-2.5-2	G18743	RCFN-6.0-18-13-RA2.5	G10270	SCBR4.0-35-150-P-NS-0	G36391
PTAX4-14-110-2.5-4	G18756	RCFN-6.0-18-23-RA2.5	G10271	SCBR4.0-38-65-P-NS-C2	G31021
PTAX4-14-110-2.5-6	G18762	RCFN-6.0-18-MPIS-NT	G12423	SCBR4.0-38-65-P-NS-KMP	G31019
PTAX4-14-110-2.5-8	G18798	RCFN-6.0-38-J	G10103	SCBR4.0-38-65-P-NS-TC	G36319
PTAX4-14-110-2.5-12	G18799	RCFN-7.0-18-MPIS-NT	G12739	SCBR4.0-38-65-P-NS-TC-BNK	G36321
PTAX4-14-110-2.5-16	G18802	RCFN-8.0-38-J	G09142	SCBR4.0-38-100-P-NS-0	G31336
PTAX4-14-110-2.5-20	G18807	RCFN-9.0-38-J	G13799	SCBR4.0-38-100-P-NS-C2	G31022
PTAX4-14-110-3-2	G18838	RCFW-4.0-35	G08194	SCBR4.0-38-100-P-NS-DAV	G31004
PTAX4-14-110-3-4	G18859	RCFW-5.0-35	G07427	SCBR4.0-38-100-P-NS-H1	G31016
PTAX4-14-110-3-6	G18860	RCFW-5.0-35-RB	G08452	SCBR4.0-38-100-P-NS-JB1	G31327
PTAX4-14-110-3-8	G18875	RCFW-6.0-35	G07429	SCBR4.0-38-100-P-NS-JB2	G31328
PTAX4-14-110-3-12	G18880	RCFW-6.0-35-RB	G07919	SCBR4.0-38-100-P-NS-MPA	G31023
PTAX4-14-110-3-16	G18924	RCFW-6.0-38	G07420	SCBR4.0-38-100-P-NS-MPB	G31331
PTAX4-14-110-3-20	G18951	RCFW-6.0-38-30-RB	G08550	SCBR4.0-38-100-P-NS-SIM1	G31325
PTAX4-14-110-4-2	G18960	RCFW-6.0-38-63-RB-MTS	G08308	SCBR4.0-38-100-P-NS-SIM2	G31017

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SCBR4.0-38-100-P-NS-VERT	G31330	TDS-110-PDA	G20026	TPMG-16C-180-TC45-FLX12	G08449
SCBR4.5-35-75-P-NS-ANG-SHTL	G48151	TFFB-22-82-ZT	G48402	TSCF-18-145-3	G00436
SCBR4.5-35-135-P-NS-ANG-SHTL	G48153	TFFB-22-96-ZT	G48403	TSCF-18-180-3	G02160
SCBR5.0-35-90-P-NS-RUC	G31234	TFFB-22-111-ZT	G48404	TSCF-21-145-3	G00452
SCBR5.0-38-65-P-NS-C1	G12003	TFFB-22-125-ZT	G48405	TSCF-21-260-3	G00455
SCBR5.0-38-65-P-NS-C2	G11994	TFFB-22-140-ZT	G48406	TSCF-25-145-3	G00466
SCBR5.0-38-65-P-NS-RIM	G11995	TFFB-24-82-ZT	G48407	TSCF-25-260-3	G00471
SCBR5.0-38-65-P-NS-TC-BNK	G36322	TFFB-24-96-ZT	G48408	TSCF-32-145-3	G00488
SCBR5.0-38-65-P-NS-TC	G36320	TFFB-24-111-ZT	G48409	TSCF-35-145-1.5	G00507
SCBR5.0-38-80-P-NS-VS	G13431	TFFB-24-125-ZT	G48410	TSCF-35-145-3	G00511
SCBR5.0-38-80-P-NS-VS1	G13432	TFFB-24-140-ZT	G48411	TSCF-35-145-7.5	G00513
SCBR5.0-38-80-P-NS-VS2	G13433	TFFB-26-82-ZT	G48412	TSCF-35-145-15	G00509
SCBR5.0-38-100-P-NS-C2	G12008	TFFB-26-96-ZT	G48413	TSCF-35-180-1.5	G01304
SCBR5.0-38-100-P-NS-DAV	G11996	TFFB-26-111-ZT	G48414	TSCF-35-180-3	G00902
SCBR5.0-38-100-P-NS-H1	G11991	TFFB-26-125-ZT	G48415	TSCF-35-180-15	G02481
SCBR5.0-38-100-P-NS-JB1	G11997	TFFB-26-140-ZT	G48416	TSCF-35-200-3	G00515
SCBR5.0-38-100-P-NS-JB2	G11998	TFFB-28-82-ZT	G48417	TSCF-35-220-3	G01505
SCBR5.0-38-100-P-NS-MPA	G12002	TFFB-28-96-ZT	G48418	TSCF-35-260-1.5	G00791
SCBR5.0-38-100-P-NS-RVC	G43120	TFFB-28-111-ZT	G48419	TSCF-35-260-3	G00517
SCBR5.0-38-100-P-NS-SIM1	G12000	TFFB-28-125-ZT	G48420	TSCF-38-145-3	G00541
SCBR5.0-38-100-P-NS-SIM2	G11992	TFFB-28-140-ZT	G48421	TSCF-38-180-3	G01500
SCBR5.0-38-100-P-NS-SIM3	G12001	TFFB-30-82-ZT	G48422	TSCF-38-260-3	G00546
SCBR5.0-38-100-P-NS-VERT	G12007	TFFB-30-96-ZT	G48423	TSCFB-35-145-15	G02018
SCBR5.0-38-125-P-NS-DAV	G13413	TFFB-30-111-ZT	G48424	TSCFNA-35-145-3	G00561
SCBR5.0-38-125-P-NS-JB1	G13530	TFFB-30-125-ZT	G48425	TSCFNB-35-145-15	G00572
SCBR5.0-38-125-P-NS-SIM1	G32369	TFFB-30-140-ZT	G48426	TSCFNB-38-145-15	G00578
SCBR5.0-38-125-P-NS-SIM2	G13200	TFFB-32-82-ZT	G48427	TSCMG-35-145-4-3-LES	G46727
SCBR5.0-38-125-P-NS-VERT	G12168	TFFB-32-96-ZT	G48428	TSCMG-35-180-4-3-LES	G49230
SCBR5.0-38-125-P-NS-VTK	G12082	TFFB-32-111-ZT	G48429	TSCMG-35-260-7-LES	G45353
SCBR5.5-35-75-P-NS-ANG-SHTL	G48152	TFFB-32-125-ZT	G48430	TSCMG-35-260-E-LESDC	G53967
SCBR5.5-35-125-P-NS-H1-SHTL	G31129	TFFB-32-140-ZT	G48431	TSCMG-35-260-LES	G31453
SCBR5.5-35-125-P-NS-JB1-SHTL	G31130	TFFB-36-95-ZT	G48432	TSCMG-35-260-LESDC	G45208
SCBR5.5-35-125-P-NS-JB2-SHTL	G36361	TFFB-36-113-ZT	G48433	TSCMG-35-300-7-LES	G45407
SCBR5.5-35-125-P-NS-SIM2-SHTL	G36360	TFFB-36-131-ZT	G48434	TSCMG-35-300-E-LESDC	G53971
SCBR5.5-35-125-P-NS-VTK-SHTL	G36359	TFFB-36-149-ZT	G48435	TSCMG-35-300-LES	G45352
SCBR5.5-35-135-P-NS-ANG-SHTL	G48154	THSCF-25-145-3-AES	G03304	TSCMG-35-300-LESDC	G45408
SCBR6.5-35-125-NS-SIM2-SHTL	G36363	THSCF-25-260-3-AES	G05067	TSF-18-145	G00587
SCBR6.5-35-125-P-NS-H1-SHTL	G31134	THSCF-32-260-3-AES	G03750	TSF-18-180	G01528
SCBR6.5-35-125-P-NS-JB1-SHTL	G31135	THSCF-35-145-1.5-ROSEN	G01261	TSF-18-260	G00590
SCBR6.5-35-125-P-NS-JB2-SHTL	G36364	THSCF-35-145-3	G00412	TSF-21-145	G00602
SCBR6.5-35-125-P-NS-VTK-SHTL	G36362	THSCF-35-145-3-AUS1	G19867	TSF-21-260	G00605
SDN-18-4.0	G00271	THSCF-35-145-3-AUS2	G20220	TSF-25-145	G00617
SDN-18-5.0	G00272	THSCF-35-145-7.5-AES	G03377	TSF-25-260	G00620
SDN-18-7.0	G00166	THSCF-35-180-1.5-ROSEN	G01264	TSF-32-145	G00638
SDN-18-7.0-U	G04717	THSCF-35-180-3	G01145	TSF-35-145	G00650
SDN-18-9.0	G00273	THSCF-35-180-3-AES	G03565	TSF-35-180	G00652
SDN-18-15.0	G04406	THSCF-35-180-3-AUS1	G19868	TSF-35-260	G00655
SDN-20-4.0	G27029	THSCF-35-180-3-AUS2	G19853	TSF-38-145	G00670
SDN-20-5.0	G00277	THSCF-35-260-1.5-ROSEN	G01253	TSF-38-260	G00674
SDN-20-7.0	G00278	THSCF-35-260-3	G01197	TSFB-25-180	G04304
SDN-21-2.5	G00279	THSCF-35-260-3-AES	G03460	TSFB-35-145	G00691
SDN-21-4.0	G00280	THSCF-35-260-3-AUS1	G20170	TSFB-35-180	G01290
SDN-21-4.0-U	G10018	THSCF-38-260-3-AES	G03217	TSFB-35-200	G01095
SDN-21-5.0	G00281	THSF-18-145	G02417	TSFB-35-260	G01063
SDN-21-7.0-U	G07411	THSF-25-180-AES	G03331	TSFB-38-145	G00693
SDN-21-9.0	G03223	THSF-25-260-AES	G04047	TSFNA-35-145	G00701
SDN-21-15.0-U	G08700	THSF-35-145	G01057	TSFNB-35-145	G00715
SDN-19UT-4.0	G04899	THSF-35-145-ASG	G27032	TSFNB-38-145	G00719
SDN-19UT-5.0	G05399	THSF-35-145-AUS1	G19850	TSMG-35-145-4-LES	G49226
SDN-19UT-7.0	G04876	THSF-35-145-AUS2	G19852	TSMG-35-145-7-LES	G49227
SDN-19UT-9.0	G04893	THSF-35-180	G01237	TSMG-35-180-4-LES	G46729
SDN-19UT-15.0	G06275	THSF-35-180-AES	G03330	TSMG-35-180-7-LES	G49228
SKS-3.0-120-60-L-HC-B.C.73	G20419	THSF-35-180-ASG	G28781	VRF-3.0-120	G07187
TBE-22-80-PF	G52646	THSF-35-180-AUS1	G19865	VRF-3.0-135	G07897
TBE-24-80-PF	G52647	THSF-35-180-AUS2	G20131	ZALB-22-70	G51975
TBE-26-80-PF	G52648	THSF-35-260	G00423	ZALB-22-84	G51976
TBE-28-80-PF	G52649	THSF-35-260-AES	G03562	ZALB-22-98	G51977
TBE-30-80-PF	G52650	THSF-35-260-ASG	G27035	ZALB-22-108	G51978
TBE-32-80-PF	G52651	THSF-35-260-AUS1	G19851	ZALB-22-118	G51979
TBE-34-77-PF	G52652	THSF-35-300-AES	G04001	ZALB-22-128	G51980
TBE-36-77-PF	G52653	THSF-38-260	G00881	ZALB-24-70	G51981
TBE-38-77-PF	G52654	THSF-38-260-AES	G03216	ZALB-24-84	G51982
TBE-40-81-PF	G52655	THSF-38-300-AES	G03579	ZALB-24-98	G51983
TBE-42-81-PF	G52656	THSFNB-35-260	G01155	ZALB-24-108	G51984
TCMTNA-35-145-1.5	G01730	TMT-35-145	G01677	ZALB-24-118	G51985
TCMTNA-35-145-3	G01678	TPMG-14-180-CEP-HC	G20992	ZALB-24-128	G51986
TDOC-35-145-0-1.5	G01306	TPMG-14-180-CIR-HC	G20990	ZALB-26-70	G51987
TDOC-35-145-0-3	G00362	TPMG-14-180-CIRRUS	G20114	ZALB-26-84	G51988
TDOC-35-180-0-3	G04648	TPMG-16-135-SAG-HC	G28815	ZALB-26-98	G51989
TDOC-35-260-0-3	G03794	TPMG-16-180-SAG-HC	G21001	ZALB-26-108	G51990
TDS-80-PDA	G20025	TPMG-16C-150-TC35-FLX12	G28817	ZALB-26-118	G51991

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ZALB-26-128	G51992	ZDEG-P-22-117-PF	G24250	ZFEN-D-20-45-76	G38107
ZALB-28-70	G49681	ZDEG-P-24-79-PF	G24251	ZFEN-D-20-45-94	G38585
ZALB-28-84	G49682	ZDEG-P-24-117-PF	G24253	ZFEN-D-20-45-109	G38589
ZALB-28-98	G49683	ZDEG-P-26-79-PF	G24255	ZFEN-D-20-45-124	G38593
ZALB-28-108	G49684	ZDEG-P-26-136-PF	G24257	ZFEN-D-20-62-76	G38111
ZALB-28-118	G49685	ZDEG-P-28-82-PF	G24260	ZFEN-D-20-62-94	G38597
ZALB-28-128	G49686	ZDEG-P-28-142-PF	G24262	ZFEN-D-20-62-109	G38601
ZALB-30-70	G49675	ZDEG-P-28-202-PF	G24265	ZFEN-D-20-62-124	G38605
ZALB-30-84	G49676	ZDEG-P-30-82-PF	G24267	ZFEN-D-24-45-76	G38115
ZALB-30-98	G49695	ZDEG-P-30-142-PF	G24269	ZFEN-D-24-45-94	G38586
ZALB-30-108	G49677	ZDEG-P-30-202-PF	G24271	ZFEN-D-24-45-109	G38590
ZALB-30-118	G49678	ZDEG-P-32-82-PF	G24272	ZFEN-D-24-45-124	G38594
ZALB-30-128	G49679	ZDEG-P-32-142-PF	G24275	ZFEN-D-24-62-76	G38119
ZALB-32-70	G49688	ZDEG-P-32-202-PF	G24276	ZFEN-D-24-62-94	G38598
ZALB-32-84	G48020	ZDEG-P-34-79-PF	G24277	ZFEN-D-24-62-109	G38602
ZALB-32-98	G49689	ZDEG-P-34-154-PF	G24278	ZFEN-D-24-62-124	G38606
ZALB-32-108	G49690	ZDEG-P-34-204-PF	G24279	ZFEN-P-1-24-76	G38124
ZALB-32-118	G49692	ZDEG-P-36-79-PF	G24282	ZFEN-P-1-24-91	G38125
ZALB-32-128	G49691	ZDEG-P-36-154-PF	G24283	ZFEN-P-1-24-106	G38122
ZALL-10-36	G49536	ZDEG-P-36-204-PF	G24284	ZFEN-P-1-24-121	G38123
ZALL-10-48	G50900	ZDEG-P-38-79-PF	G24285	ZFEN-P-1-26-76	G38128
ZALL-10-60	G49537	ZDEG-P-38-154-PF	G24286	ZFEN-P-1-26-91	G38129
ZALL-10-72	G49538	ZDEG-P-38-204-PF	G24287	ZFEN-P-1-26-106	G38126
ZALL-10-84	G50901	ZDEG-P-40-83-PF	G24288	ZFEN-P-1-26-121	G38127
ZALL-10-96	G49539	ZDEG-P-40-164-PF	G24289	ZFEN-P-1-28-76	G38132
ZALL-10-108	G49540	ZDEG-P-40-218-PF	G24290	ZFEN-P-1-28-91	G38133
ZALL-10-120	G49541	ZDEG-P-42-83-PF	G24291	ZFEN-P-1-28-106	G38130
ZALL-12-36	G49542	ZDEG-P-42-164-PF	G24252	ZFEN-P-1-28-121	G38131
ZALL-12-48	G50902	ZDEG-P-42-218-PF	G24292	ZFEN-P-1-30-76	G38136
ZALL-12-60	G48021	ZDEG-PT-32-24-158-PF	G23172	ZFEN-P-1-30-91	G38137
ZALL-12-72	G49543	ZDEG-PT-32-24-196-PF	G23173	ZFEN-P-1-30-106	G38134
ZALL-12-84	G50903	ZDEG-PT-32-162-PF	G24254	ZFEN-P-1-30-121	G38135
ZALL-12-96	G49544	ZDEG-PT-32-202-PF	G24256	ZFEN-P-1-32-76	G38140
ZALL-12-108	G49545	ZDEG-PT-34-26-156-PF	G23174	ZFEN-P-1-32-91	G38141
ZALL-12-120	G48524	ZDEG-PT-34-26-194-PF	G23175	ZFEN-P-1-32-106	G38138
ZALL-14-36	G49546	ZDEG-PT-34-159-PF	G24258	ZFEN-P-1-32-121	G38139
ZALL-14-48	G50904	ZDEG-PT-34-199-PF	G24259	ZFEN-P-1-34-84	G38144
ZALL-14-60	G49547	ZDEG-PT-36-28-159-PF	G23176	ZFEN-P-1-34-99	G38145
ZALL-14-72	G49548	ZDEG-PT-36-28-199-PF	G23177	ZFEN-P-1-34-114	G38142
ZALL-14-84	G50905	ZDEG-PT-36-159-PF	G24261	ZFEN-P-1-34-129	G38143
ZALL-14-96	G49549	ZDEG-PT-36-199-PF	G24263	ZFEN-P-1-36-84	G38148
ZALL-14-108	G49550	ZDEG-PT-38-30-159-PF	G23178	ZFEN-P-1-36-99	G38149
ZALL-16-36	G49551	ZDEG-PT-38-30-199-PF	G23179	ZFEN-P-1-36-114	G38146
ZALL-16-48	G50906	ZDEG-PT-38-154-PF	G24264	ZFEN-P-1-36-129	G38147
ZALL-16-60	G49552	ZDEG-PT-38-204-PF	G24266	ZFEN-P-2-24-94	G38152
ZALL-16-72	G49553	ZDEG-PT-40-32-165-PF	G23180	ZFEN-P-2-24-109	G38150
ZALL-16-84	G50907	ZDEG-PT-40-32-205-PF	G23181	ZFEN-P-2-24-124	G38151
ZALL-16-96	G49554	ZDEG-PT-40-160-PF	G24268	ZFEN-P-2-26-94	G38155
ZALL-18-36	G49555	ZDEG-PT-40-210-PF	G24270	ZFEN-P-2-26-109	G38153
ZALL-18-48	G50908	ZDEG-PT-42-34-160-PF	G23182	ZFEN-P-2-26-124	G38154
ZALL-18-60	G49556	ZDEG-PT-42-34-210-PF	G23183	ZFEN-P-2-28-94	G38158
ZALL-18-72	G49557	ZDEG-PT-42-160-PF	G24273	ZFEN-P-2-28-109	G38156
ZALL-18-84	G50909	ZDEG-PT-42-210-PF	G24274	ZFEN-P-2-28-124	G38157
ZALL-18-96	G49558	ZFEN-D-12-28-76	G38079	ZFEN-P-2-30-94	G38161
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ZALL-20-84	G50911	ZFEN-D-12-45-94	G38583	ZFEN-P-2-32-124	G38163
ZALL-20-96	G49562	ZFEN-D-12-45-109	G38587	ZFEN-P-2-34-107	G38165
ZALL-22-36	G49563	ZFEN-D-12-45-124	G38591	ZFEN-P-2-34-122	G38166
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ZALL-22-72	G49565	ZFEN-D-12-62-109	G38599	ZFEN-P-2-36-122	G38169
ZALL-22-84	G50913	ZFEN-D-12-62-124	G38603	ZFEN-P-2-36-137	G38170
ZALL-22-96	G49566	ZFEN-D-16-28-76	G38091	ZFV6-80-5-2.0	G51855
ZALL-24-36	G49567	ZFEN-D-16-28-94	G38575	ZFV6-80-5-3.0	G51857
ZALL-24-48	G50914	ZFEN-D-16-28-109	G38578	ZFV6-80-5-4.0	G51859
ZALL-24-60	G49568	ZFEN-D-16-28-124	G38581	ZFV6-80-5-6.0	G51860
ZALL-24-72	G49569	ZFEN-D-16-45-76	G38095	ZFV6-80-5-8.0	G51862
ZALL-24-84	G50915	ZFEN-D-16-45-94	G38584	ZFV6-80-5-10.0	G51864
ZALL-24-96	G48525	ZFEN-D-16-45-109	G38588	ZFV6-80-5-12.0	G51866
ZBIS-10-45-41	G38612	ZFEN-D-16-45-124	G38592	ZFV6-80-5-14.0	G51868
ZBIS-10-45-58	G38613	ZFEN-D-16-62-76	G38099	ZFV6-80-5-17.0	G52842
ZBIS-10-61-41	G38614	ZFEN-D-16-62-94	G38596	ZFV6-80-5-20.0	G52843
ZBIS-10-61-58	G38615	ZFEN-D-16-62-109	G38600	ZFV6-80-6-2.0	G51870
ZBIS-12-45-41	G38616	ZFEN-D-16-62-124	G38604	ZFV6-80-6-3.0	G51871
ZBIS-12-45-58	G38617	ZFEN-D-20-28-76	G38103	ZFV6-80-6-4.0	G51873
ZBIS-12-61-41	G38618	ZFEN-D-20-28-94	G38576	ZFV6-80-6-6.0	G51875
ZBIS-12-61-58	G38344	ZFEN-D-20-28-109	G38579	ZFV6-80-6-8.0	G51877
ZDEG-P-22-79-PF	G24249	ZFEN-D-20-28-124	G38582	ZFV6-80-6-10.0	G51879

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ZFV6-80-6-12.0	G51880	ZFV6-125-9-6.0	G51872	ZIV6-35-125-5.0-100-PTX	G51336
ZFV6-80-6-14.0	G51882	ZFV6-125-9-8.0	G51869	ZIV6-35-125-5.0-120-PTX	G51337
ZFV6-80-6-17.0	G52844	ZFV6-125-9-10.0	G51867	ZIV6-35-125-6.0-40-PTX	G51341
ZFV6-80-6-20.0	G52845	ZFV6-125-9-12.0	G51865	ZIV6-35-125-6.0-60-PTX	G51342
ZFV6-80-7-2.0	G51884	ZFV6-125-9-14.0	G51863	ZIV6-35-125-6.0-80-PTX	G51343
ZFV6-80-7-3.0	G51886	ZFV6-125-10-2.0	G51861	ZIV6-35-125-6.0-100-PTX	G51344
ZFV6-80-7-4.0	G51888	ZFV6-125-10-3.0	G51858	ZIV6-35-125-6.0-120-PTX	G51345
ZFV6-80-7-6.0	G51889	ZFV6-125-10-4.0	G51856	ZIV6-35-125-7.0-40-PTX	G51349
ZFV6-80-7-8.0	G51891	ZFV6-125-10-6.0	G51854	ZIV6-35-125-7.0-60-PTX	G51350
ZFV6-80-7-10.0	G51893	ZFV6-125-10-8.0	G51853	ZIV6-35-125-7.0-80-PTX	G51351
ZFV6-80-7-12.0	G51895	ZFV6-125-10-10.0	G51852	ZIV6-35-125-7.0-100-PTX	G51352
ZFV6-80-7-14.0	G51897	ZFV6-125-10-12.0	G51851	ZIV6-35-125-7.0-120-PTX	G51353
ZFV6-80-7-17.0	G52846	ZFV6-125-10-14.0	G51849	ZIV6-35-125-8.0-40-PTX	G51356
ZFV6-80-7-20.0	G52847	ZIV5-80-4-2.0	G33634	ZIV6-35-125-8.0-60-PTX	G51357
ZFV6-80-8-2.0	G51898	ZIV5-80-4-4.0	G33636	ZIV6-35-125-8.0-80-PTX	G51358
ZFV6-80-8-3.0	G51900	ZIV5-80-4-8.0	G37252	ZIV6-35-125-8.0-100-PTX	G51359
ZFV6-80-8-4.0	G51902	ZIV5-80-5-4.0	G33641	ZIV6-35-125-8.0-120-PTX	G51360
ZFV6-80-8-6.0	G51903	ZIV5-80-5-8.0	G37254	ZIV6-80-12-4.0	G37293
ZFV6-80-8-8.0	G51905	ZIV5-80-6-4.0	G33149	ZIV6-80-12-6.0	G37295
ZFV6-80-8-10.0	G51907	ZIV5-80-6-6.0	G33150	ZIV6-80-12-8.0	G37297
ZFV6-80-8-12.0	G51908	ZIV5-80-6-8.0	G37256	ZIV6-80-14-4.0	G37287
ZFV6-80-8-14.0	G51910	ZIV5-80-7-4.0	G33151	ZIV6-80-14-6.0	G37289
ZFV6-80-8-17.0	G52848	ZIV5-80-7-6.0	G33152	ZIV6-80-14-8.0	G37291
ZFV6-80-8-20.0	G52849	ZIV5-80-7-8.0	G37258	ZIV6-125-12-4.0	G37554
ZFV6-80-9-2.0	G51915	ZIV5-80-8-4.0	G33153	ZIV6-125-12-6.0	G37546
ZFV6-80-9-3.0	G51916	ZIV5-80-8-6.0	G33154	ZIV6-125-12-8.0	G37555
ZFV6-80-9-4.0	G51917	ZIV5-80-8-8.0	G37260	ZIV6-125-14-4.0	G37549
ZFV6-80-9-6.0	G51919	ZIV5-80-9-4.0	G33155	ZIV6-125-14-6.0	G37550
ZFV6-80-9-8.0	G51920	ZIV5-80-9-6.0	G33156	ZIV6-125-14-8.0	G37553
ZFV6-80-9-10.0	G51922	ZIV5-80-9-8.0	G37262	ZIVX5-125-4-3.0	G50448
ZFV6-80-9-12.0	G51923	ZIV5-80-10-4.0	G33145	ZIVX5-125-4-4.0	G50449
ZFV6-80-10-2.0	G51925	ZIV5-80-10-6.0	G33147	ZIVX5-125-4-6.0	G50450
ZFV6-80-10-3.0	G51928	ZIV5-80-10-8.0	G37264	ZIVX5-125-4-8.0	G50451
ZFV6-80-10-4.0	G51929	ZIV5-125-4-2.0	G37759	ZIVX5-125-5-3.0	G50453
ZFV6-80-10-6.0	G51931	ZIV5-125-4-4.0	G37757	ZIVX5-125-5-4.0	G50454
ZFV6-80-10-8.0	G51933	ZIV5-125-4-6.0	G37755	ZIVX5-125-5-6.0	G50455
ZFV6-80-10-10.0	G51935	ZIV5-125-4-8.0	G33841	ZIVX5-125-5-8.0	G50456
ZFV6-80-10-12.0	G51937	ZIV5-125-5-4.0	G33120	ZIVX5-125-6-3.0	G50458
ZFV6-80-10-14.0	G51939	ZIV5-125-5-6.0	G33122	ZIVX5-125-6-4.0	G50459
ZFV6-125-5-4.0	G51944	ZIV5-125-6-3.0	G33124	ZIVX5-125-6-6.0	G50460
ZFV6-125-5-6.0	G51945	ZIV5-125-6-4.0	G33125	ZIVX5-125-6-8.0	G50461
ZFV6-125-5-8.0	G51943	ZIV5-125-6-6.0	G33127	ZIVX5-125-7-3.0	G50463
ZFV6-125-5-10.0	G51940	ZIV5-125-6-8.0	G33845	ZIVX5-125-7-4.0	G50464
ZFV6-125-5-12.0	G51938	ZIV5-125-7-3.0	G33129	ZIVX5-125-7-6.0	G50465
ZFV6-125-5-14.0	G51936	ZIV5-125-7-4.0	G33130	ZIVX5-125-7-8.0	G50466
ZFV6-125-5-17.0	G52850	ZIV5-125-7-6.0	G33132	ZIVX5-125-8-3.0	G50468
ZFV6-125-5-20.0	G52851	ZIV5-125-7-8.0	G33847	ZIVX5-125-8-4.0	G50469
ZFV6-125-6-2.0	G51934	ZIV5-125-8-3.0	G33134	ZIVX5-125-8-6.0	G50470
ZFV6-125-6-3.0	G51932	ZIV5-125-8-4.0	G33135	ZIVX5-125-8-8.0	G50471
ZFV6-125-6-4.0	G51930	ZIV5-125-8-6.0	G33137	ZIVX5-125-9-3.0	G50473
ZFV6-125-6-6.0	G51927	ZIV5-125-8-8.0	G33849	ZIVX5-125-9-4.0	G50474
ZFV6-125-6-8.0	G51926	ZIV5-125-9-4.0	G33140	ZIVX5-125-9-6.0	G50475
ZFV6-125-6-10.0	G51921	ZIV5-125-9-6.0	G33142	ZIVX5-125-9-8.0	G50476
ZFV6-125-6-12.0	G51918	ZIV5-125-9-8.0	G33851	ZIVX5-125-10-3.0	G50478
ZFV6-125-6-14.0	G51914	ZIV5-125-10-4.0	G37783	ZIVX5-125-10-4.0	G50479
ZFV6-125-6-17.0	G52852	ZIV5-125-10-6.0	G37830	ZIVX5-125-10-6.0	G50480
ZFV6-125-6-20.0	G52853	ZIV5-125-10-8.0	G33853	ZSLE-9-39-ZT	G55218
ZFV6-125-7-2.0	G51913	ZIV6-35-80-5.0-40-PTX	G55284	ZSLE-9-56-ZT	G55219
ZFV6-125-7-3.0	G51912	ZIV6-35-80-5.0-60-PTX	G55285	ZSLE-9-74-ZT	G55220
ZFV6-125-7-4.0	G51911	ZIV6-35-80-5.0-80-PTX	G55286	ZSLE-9-90-ZT	G55221
ZFV6-125-7-6.0	G51909	ZIV6-35-80-5.0-100-PTX	G55287	ZSLE-9-107-ZT	G55222
ZFV6-125-7-8.0	G51906	ZIV6-35-80-5.0-120-PTX	G55288	ZSLE-9-122-ZT	G55223
ZFV6-125-7-10.0	G51904	ZIV6-35-80-6.0-40-PTX	G55291	ZSLE-11-39-ZT	G55224
ZFV6-125-7-12.0	G51901	ZIV6-35-80-6.0-60-PTX	G55292	ZSLE-11-56-ZT	G55225
ZFV6-125-7-14.0	G51899	ZIV6-35-80-6.0-80-PTX	G55293	ZSLE-11-74-ZT	G55226
ZFV6-125-7-17.0	G52854	ZIV6-35-80-6.0-100-PTX	G55294	ZSLE-11-90-ZT	G55227
ZFV6-125-7-20.0	G52855	ZIV6-35-80-6.0-120-PTX	G55295	ZSLE-11-107-ZT	G55228
ZFV6-125-8-2.0	G51896	ZIV6-35-80-7.0-40-PTX	G55301	ZSLE-11-122-ZT	G55229
ZFV6-125-8-3.0	G51894	ZIV6-35-80-7.0-60-PTX	G55302	ZSLE-13-39-ZT	G55230
ZFV6-125-8-4.0	G51892	ZIV6-35-80-7.0-80-PTX	G55303	ZSLE-13-56-ZT	G55231
ZFV6-125-8-6.0	G51890	ZIV6-35-80-7.0-100-PTX	G55304	ZSLE-13-74-ZT	G55232
ZFV6-125-8-8.0	G51887	ZIV6-35-80-7.0-120-PTX	G55305	ZSLE-13-90-ZT	G55233
ZFV6-125-8-10.0	G51885	ZIV6-35-80-8.0-40-PTX	G55298	ZSLE-13-107-ZT	G55234
ZFV6-125-8-12.0	G51883	ZIV6-35-80-8.0-60-PTX	G55272	ZSLE-13-122-ZT	G55235
ZFV6-125-8-14.0	G51878	ZIV6-35-80-8.0-80-PTX	G55273	ZSLE-16-39-ZT	G55236
ZFV6-125-8-17.0	G52856	ZIV6-35-80-8.0-100-PTX	G55274	ZSLE-16-56-ZT	G55237
ZFV6-125-8-20.0	G52857	ZIV6-35-80-8.0-120-PTX	G55271	ZSLE-16-74-ZT	G55238
ZFV6-125-9-2.0	G51881	ZIV6-35-125-5.0-40-PTX	G51333	ZSLE-16-90-ZT	G55239
ZFV6-125-9-3.0	G51876	ZIV6-35-125-5.0-60-PTX	G51334	ZSLE-20-39-ZT	G55240
ZFV6-125-9-4.0	G51874	ZIV6-35-125-5.0-80-PTX	G51335	ZSLE-20-56-ZT	G55241

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ZSLE-20-74-ZT	G55242	ZTEG-2PT-42-32-205-PF	G23614
ZSLE-20-90-ZT	G55243	ZTEG-2PT-42-158-PF	G52718
ZSLE-24-39-ZT	G55244	ZTEG-2PT-42-208-PF	G52719
ZSLE-24-56-ZT	G55245	ZVT7-35-80-14-6.0	G52022
ZSLE-24-74-ZT	G55246	ZVT7-35-80-14-10.0	G52023
ZSLE-24-90-ZT	G55247	ZVT7-35-80-14-14.0	G52024
ZTEG-2D-28-147-PF	G52659	ZVT7-35-80-16-6.0	G52027
ZTEG-2D-28-207-PF	G52660	ZVT7-35-80-16-10.0	G52026
ZTEG-2D-30-147-PF	G52728	ZVT7-35-80-16-14.0	G52025
ZTEG-2D-30-207-PF	G52663	ZVT7-35-120-14-6.0	G52016
ZTEG-2D-32-147-PF	G52666	ZVT7-35-120-14-10.0	G52018
ZTEG-2D-32-207-PF	G52668	ZVT7-35-120-14-14.0	G52017
ZTEG-2D-34-136-PF	G52669	ZVT7-35-120-16-6.0	G52019
ZTEG-2D-34-186-PF	G52671	ZVT7-35-120-16-10.0	G52021
ZTEG-2D-36-136-PF	G52672	ZVT7-35-120-16-14.0	G52020
ZTEG-2D-36-186-PF	G52673		
ZTEG-2D-38-136-PF	G52674		
ZTEG-2D-38-186-PF	G52675		
ZTEG-2D-40-144-PF	G52677		
ZTEG-2D-40-198-PF	G52679		
ZTEG-2D-42-144-PF	G52680		
ZTEG-2D-42-198-PF	G52681		
ZTEG-2P-22-115-PF	G52657		
ZTEG-2P-24-115-PF	G52662		
ZTEG-2P-26-134-PF	G52664		
ZTEG-2P-28-120-PF	G52667		
ZTEG-2P-28-140-PF	G52670		
ZTEG-2P-28-200-PF	G52676		
ZTEG-2P-30-120-PF	G52678		
ZTEG-2P-30-140-PF	G52682		
ZTEG-2P-30-200-PF	G52683		
ZTEG-2P-32-120-PF	G52684		
ZTEG-2P-32-140-PF	G52685		
ZTEG-2P-32-200-PF	G52686		
ZTEG-2P-34-127-PF	G52687		
ZTEG-2P-34-152-PF	G52688		
ZTEG-2P-34-202-PF	G52689		
ZTEG-2P-36-127-PF	G52690		
ZTEG-2P-36-152-PF	G52691		
ZTEG-2P-36-202-PF	G52692		
ZTEG-2P-38-127-PF	G52693		
ZTEG-2P-38-152-PF	G52694		
ZTEG-2P-38-202-PF	G52695		
ZTEG-2P-40-135-PF	G52697		
ZTEG-2P-40-162-PF	G52698		
ZTEG-2P-40-216-PF	G52699		
ZTEG-2P-42-135-PF	G52701		
ZTEG-2P-42-162-PF	G52702		
ZTEG-2P-42-216-PF	G52703		
ZTEG-2PT-26-32-162-PF	G23591		
ZTEG-2PT-26-32-202-PF	G23592		
ZTEG-2PT-28-34-167-PF	G23593		
ZTEG-2PT-28-34-192-PF	G23594		
ZTEG-2PT-30-36-167-PF	G23595		
ZTEG-2PT-30-36-192-PF	G23596		
ZTEG-2PT-32-22-162-PF	G23603		
ZTEG-2PT-32-22-202-PF	G23604		
ZTEG-2PT-32-38-167-PF	G23597		
ZTEG-2PT-32-38-192-PF	G23598		
ZTEG-2PT-32-160-PF	G52704		
ZTEG-2PT-32-200-PF	G52705		
ZTEG-2PT-34-24-159-PF	G23605		
ZTEG-2PT-34-24-199-PF	G23606		
ZTEG-2PT-34-40-160-PF	G23599		
ZTEG-2PT-34-40-214-PF	G23600		
ZTEG-2PT-34-157-PF	G52706		
ZTEG-2PT-34-197-PF	G52707		
ZTEG-2PT-36-26-159-PF	G23607		
ZTEG-2PT-36-26-199-PF	G23608		
ZTEG-2PT-36-42-160-PF	G23601		
ZTEG-2PT-36-42-214-PF	G23602		
ZTEG-2PT-36-157-PF	G52708		
ZTEG-2PT-36-197-PF	G52709		
ZTEG-2PT-38-28-159-PF	G23609		
ZTEG-2PT-38-28-199-PF	G23610		
ZTEG-2PT-38-152-PF	G52711		
ZTEG-2PT-38-202-PF	G52713		
ZTEG-2PT-40-158-PF	G52715		
ZTEG-2PT-40-208-PF	G52717		
ZTEG-2PT-42-32-165-PF	G23613		

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G00003	BSDN-18-7.0	G01057	THSF-35-145	G03770	RCFW-8.0-38-75-RB-HLA-091100-BV
G00004	BSDN-18-9.0	G01063	TSFB-35-260	G03771	RCFW-9.0-38-75-RB-HLA-091100
G00018	DCM-18-7.0	G01095	TSFB-35-200	G03794	TDOC-35-260-0-3
G00019	DCM-18-9.0	G01145	THSCF-35-180-3	G03831	CODA-2-9.0-35-120-32
G00030	DPT5.3-15-P-FM	G01155	THSFNB-35-260	G03927	JCD8.0-38-20-COONS
G00037	DPT9.5-120-P-FM	G01197	THSCF-35-260-3	G03928	JCD10.0-38-20-COONS
G00043	DPT9.5-30-P-FM	G01212	JCD16.0-38-20	G03929	JCD12.0-38-20-COONS
G00052	DUCT9.5-30-P-FM	G01237	THSF-35-180	G03932	JCD14.0-38-20-COONS
G00053	DUCT9.5-60-P-FM	G01253	THSCF-35-260-1.5-ROSEN	G03947	JCD16.0-38-20-COONS
G00059	HPCT8.8-100-P-FM	G01261	THSCF-35-145-1.5-ROSEN	G04001	THSF-35-300-AES
G00061	HPCT8.8-120-P-FM	G01264	THSCF-35-180-1.5-ROSEN	G04047	THSF-25-260-AES
G00065	HPCT8.8-30-P-FM	G01290	TSFB-35-180	G04051	JCD18.0-38-20-COONS
G00067	HPCT8.8-60-P-FM	G01304	TSCF-35-180-1.5	G04221	JCD6.0-38-20-COONS
G00106	P5.0-35-100-P-NS-JB2	G01306	TDOC-35-145-0-1.5	G04264	JCD20.0-38-20-COONS
G00130	P5.0-35-65-P-NS-0	G01328	JCD18.0-38-20	G04304	TSFB-25-180
G00159	P5.0B-38-100-P-NS-0	G01402	JCD15.0-38-20	G04406	SDN-18-15.0
G00166	SDN-18-7.0	G01454	JCD13.0-38-20	G04443	JCD22.0-38-20-COONS
G00213	POWS-FLL-MLL	G01471	JCD20.0-38-20	G04648	TDOC-35-180-0-3
G00219	PTWS-2FLL-MLL-R	G01472	JCD22.0-38-20	G04717	SDN-18-7.0-U
G00271	SDN-18-4.0	G01500	TSCF-38-180-3	G04725	PPV-200
G00272	SDN-18-5.0	G01505	TSCF-35-220-3	G04789	HNB6.0-38-100-P-NS-JL4
G00273	SDN-18-9.0	G01528	TSF-18-180	G04836	HNB6.0-38-100-P-NS-aR1
G00277	SDN-20-5.0	G01552	DUCT9.5-100-P-FM	G04876	SDN-19UT-7.0
G00278	SDN-20-7.0	G01677	TMT-35-145	G04877	BSDN-19UT-7.0
G00279	SDN-21-2.5	G01678	TCMTNA-35-145-3	G04879	DCM-19UT-7.0
G00280	SDN-21-4.0	G01730	TCMTNA-35-145-1.5	G04893	SDN-19UT-9.0
G00281	SDN-21-5.0	G01884	JCD24.0-38-20	G04899	SDN-19UT-4.0
G00362	TDOC-35-145-0-3	G02018	TSCFB-35-145-15	G04922	HNB5.0-38-100-P-NS-SIM1
G00412	THSCF-35-145-3	G02160	TSCF-18-180-3	G05067	THSCF-25-260-3-AES
G00423	THSF-35-260	G02366	NCD4.0-35-20	G05204	HNB5.0-38-65-P-NS-C2
G00436	TSCF-18-145-3	G02417	THSF-18-145	G05399	SDN-19UT-5.0
G00452	TSCF-21-145-3	G02481	TSCF-35-180-15	G05738	HNB6.0-38-110-P-125-AP2
G00455	TSCF-21-260-3	G02551	NCD4.0-35-15	G05874	HNB5.0-38-65-P-NS-ap2
G00466	TSCF-25-145-3	G02972	MPIS-401-PEDAL-NT-U-SST	G05922	HNB5.0-38-65-P-NS-JR4
G00471	TSCF-25-260-3	G03216	THSF-38-260-AES	G05976	HNB5.0-38-100-P-NS-SIM2
G00488	TSCF-32-145-3	G03217	THSCF-38-260-3-AES	G05979	HNB5.0-38-65-P-NS-RIM
G00507	TSCF-35-145-1.5	G03223	SDN-21-9.0	G05998	HNB5.0-38-65-P-NS-C1
G00509	TSCF-35-145-15	G03304	THSCF-25-145-3-AES	G06002	CFM-100
G00511	TSCF-35-145-3	G03330	THSF-35-180-AES	G06005	HNB5.0-38-100-P-NS-H1
G00513	TSCF-35-145-7.5	G03331	THSF-25-180-AES	G06236	HNB5.0-38-65-P-25-C2
G00515	TSCF-35-200-3	G03377	THSCF-35-145-7.5-AES	G06275	SDN-19UT-15.0
G00517	TSCF-35-260-3	G03403	CRS-200	G06299	PTBYC-RA
G00541	TSCF-38-145-3	G03404	DRS-100	G06451	BNF-40-PB
G00546	TSCF-38-260-3	G03438	FOVX414-14-80-5-12	G06452	BNF-75-PB
G00561	TSCFNA-35-145-3	G03443	FOVX414-14-80-5-16	G06540	PTWSC-2FLL-MLL-R-HP
G00572	TSCFNB-35-145-15	G03460	THSCF-35-260-3-AES	G06866	RLPC-35-145
G00578	TSCFNB-38-145-15	G03468	PPV-100	G06979	RPC-35-145
G00587	TSF-18-145	G03472	FOVX414-14-80-5-20	G06980	RPC-38-145
G00590	TSF-18-260	G03513	FOVX414-14-80-6-12	G07172	CAN-18-10.0
G00602	TSF-21-145	G03537	FOVX414-14-80-6-16	G07187	VRF-3.0-120
G00605	TSF-21-260	G03557	FOVX414-14-80-6-20	G07285	RPC-35-145-0
G00617	TSF-25-145	G03562	THSF-35-260-AES	G07286	RPC-38-145-0
G00620	TSF-25-260	G03565	THSCF-35-180-3-AES	G07338	RCF-7.0-38-J
G00638	TSF-32-145	G03575	FOVX414-14-80-7-12	G07369	RCF-12.0-38-J
G00650	TSF-35-145	G03576	FOVX414-14-80-7-16	G07376	RCF-6.0-35-J
G00652	TSF-35-180	G03579	THSF-38-300-AES	G07377	RCF-7.0-35-J
G00655	TSF-35-260	G03594	FOVX414-14-80-7-20	G07411	SDN-21-7.0-U
G00670	TSF-38-145	G03604	FOVX414-14-135-5-12	G07417	RCF-10.0-38-J
G00674	TSF-38-260	G03648	FOVX414-14-135-5-16	G07420	RCFW-6.0-38
G00691	TSFB-35-145	G03652	FOVX414-14-135-5-20	G07427	RCFW-5.0-35
G00693	TSFB-38-145	G03667	FOVX414-14-135-6-12	G07429	RCFW-6.0-35
G00701	TSFNA-35-145	G03699	FOVX414-14-135-6-16	G07431	RCFW-7.0-38
G00715	TSFNB-35-145	G03700	FOVX414-14-135-6-20	G07432	RCFW-8.0-38
G00719	TSFNB-38-145	G03701	FOVX414-14-135-7-12	G07487	RCF-5.0-38-J
G00791	TSCF-35-260-1.5	G03709	FOVX414-14-135-7-16	G07490	RCF-8.0-38-J
G00868	JCD6.0-35-20	G03744	FOVX414-14-135-7-20	G07516	RLPC-35-180
G00881	THSF-38-260	G03748	FOVX414-14-80-5-24	G07518	RPC-35-180
G00882	HPCT8.8-180-P-FM	G03750	THSCF-32-260-3-AES	G07557	RSTF-18-180
G00892	JCD7.0-35-20	G03752	FOVX414-14-80-6-24	G07564	RCF-9.0-38-J
G00902	TSCF-35-180-3	G03753	FOVX414-14-80-7-24	G07600	RCFW-10.0-38
G00937	JCD6.0-38-20	G03754	FOVX414-14-135-5-24	G07601	RCFW-12.0-38
G00972	JCD5.0-35-20	G03755	FOVX414-14-135-6-24	G07605	RCF-5.0-35-J
G00973	JCD7.0-38-20	G03756	FOVX414-14-135-7-24	G07640	RSTF-18-300
G00980	JCD8.0-38-20	G03757	FOVX414-14-80-4-12	G07707	RCFW-7.0-38-30-RB
G00983	JCD5.0-38-20	G03758	FOVX414-14-80-4-16	G07762	RCFW-9.0-38
G00984	JCD8.0-35-20	G03759	FOVX414-14-80-4-20	G07816	RCFW-7.0-38-63-RB-MTS
G00992	JCD9.0-38-20	G03760	FOVX414-14-80-4-24	G07878	KCFW-8.0-38-30-RB
G00993	JCD10.0-38-20	G03762	FOVX414-14-135-4-12	G07897	VRF-3.0-135
G00994	JCD11.0-38-20	G03763	FOVX414-14-135-4-16	G07899	DTDW-35-145-10
G00995	JCD12.0-38-20	G03764	FOVX414-14-135-4-20	G07913	RCF-4.0-35-J
G00996	JCD14.0-38-20	G03765	FOVX414-14-135-4-24	G07914	RFPC-35-145
G00998	JCD5.0-35-15	G03769	RCFW-7.0-38-75-RB-HLA-091100-BV	G07915	RFPC-35-145-0

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G07919	RCFW-6.0-35-RB	G09411	HNR5.0-35-70-P-10S-0	G11194	HNR5.0-38-65-P-NS-LEV1
G07937	RFPC-35-180	G09412	HNR5.0-35-90-P-10S-0	G11195	HNR5.0-38-65-P-NS-MPA
G08024	RCF-14.0-38-J	G09452	MG-35-145-GRAD	G11201	HNR5.0-38-100-P-NS-MAN
G08133	RCFW-8.0-38-63-RB-MTS	G09469	HNR5.0-38-65-P-NS-KMP	G11205	HNR5.0-38-100-P-NS-MPA
G08139	RCFW-8.0-38-30-RB	G09508	MG-35-180-GRAD	G11206	HNR5.0-38-100-P-NS-MPB
G08194	RCFW-4.0-35	G09532	RCFW-6.0-38-75-RB-MTS	G11209	HNR5.0-38-80-P-NS-VS
G08246	KCFW-7.0-38-30-RB	G09534	RPC-35-80	G11262	HNR5.0-35-70-P-10S-CFP
G08259	MWCE-18S-6/2-TORNADO	G09582	RCFW-16.0P-38-70-RB	G11263	HNR4.0-35-70-P-4S-PED
G08261	MWCE-18S-3/2-TORNADO	G09601	KCFW-8.0-38-45-RB	G11265	HNR5.0-35-110-P-10S-PIG
G08308	RCFW-6.0-38-63-RB-MTS	G09602	KCFW-8.0-38-90-RB	G11267	HNR5.0-38-100-P-10S-0
G08356	MWCE-18S-5/2-TORNADO	G09607	RFSPC-35-145	G11270	HNR5.0-38-70-P-10S-0
G08357	MWCE-18S-4/2-TORNADO	G09608	RFSPC-35-180	G11272	HNR5.0-38-70-P-10S-PIG
G08419	HNR5.0-38-100-P-NS-H1	G09654	HNR5.0-38-100-P-NS-JB2	G11278	HNR4.0-35-100-P-10S-PIG
G08420	HNR5.0-38-100-P-NS-SIM2	G09660	HNB5.0-NT-100-P-NS-MPA	G11279	HNR4.0-35-70-P-10S-CFP
G08421	HNR5.0-35-100-P-NS-H1	G09662	PVA-100	G11289	HNR5.0-38-70-P-NS-0
G08422	HNR5.0-35-100-P-NS-SIM2	G09663	PVA-200	G11352	LMGN-7.0C-90-ANG-HC
G08441	HNR5.0-35-65-P-NS-C1	G09664	PVA-300	G11353	LMGN-8.0C-90-ANG-HC
G08442	HNR5.0-35-65-P-NS-C2	G09665	PVA-500	G11377	HNR5.0-38-65-P-NS-TEGT
G08444	HNR5.0-35-65-P-NS-RIM	G09666	PVA-700	G11378	HNR5.0-38-125-P-NS-H1
G08446	HNR5.0-38-65-P-NS-C1	G09667	PVA-1000	G11414	HNR5.0-35-65-P-NS-DAV
G08447	HNR5.0-38-65-P-NS-C2	G09668	PVA-1500	G11422	HNR4.0-35-100-P-10S-CFP
G08448	HNR5.0-38-65-P-NS-C3	G09691	RCFW-16.0P-38-30-RB	G11423	HNR4.0-35-110-P-10S-PIG
G08449	TPMG-16C-180-TC45-FLX12	G09695	RCFW-16.0P-38-80-RB	G11458	HNR5.0-35-65-P-NS-KMP
G08452	RCFW-5.0-35-RB	G09697	HNR5.0-35-100-P-10S-0	G11476	HNR5.0-38-65-P-NS-SHK1.0
G08469	HNR5.0-35-65-P-NS-RC1	G09809	KCFW-6.0-38-45-RB	G11483	HNR5.0-35-100-P-NS-VERT
G08470	HNR5.0-35-65-P-NS-RC2	G09810	KCFW-7.0-38-45-RB	G11484	HNR5.0-38-100-P-NS-VERT
G08471	HNR5.0-35-100-P-NS-SIM1	G09843	RCFW-14.0-38-80-RB	G11486	HNR5.0-38-65-P-NS-VS1
G08472	HNR5.0-35-100-P-NS-JB1	G09908	KCFW-6.0-35-45-RB	G11517	HNR5.0-38-125-P-NS-SIM2
G08550	RCFW-6.0-38-30-RB	G09967	HNR5.0-38-100-P-NS-C2	G11541	HNB5.0-38-100-P-6S-MPA
G08578	HNR5.0-38-65-P-NS-RDC	G10011	RCFW-11.0-38-63-RB-MTS	G11604	KCFN-6.0-18-13-RA2.5-HC
G08581	HNR5.0-38-100-P-NS-DAV	G10012	RCFW-12.0-38-63-RB-MTS	G11605	KCFN-6.0-18-23-RA2.5-HC
G08582	HNR5.0-38-100-P-NS-WNBG	G10018	SDN-21-4.0-U	G11607	KCFN-6.0-18-7-RA2.5-HC
G08583	HNR5.0-38-100-P-NS-JB1	G10025	RCFN-5.0-35-J	G11608	KCFN-7.0-18-13-RA2.5-HC
G08584	HNR5.0-38-100-P-NS-SIM1	G10082	HNR5.0-38-65-P-NS-RIM	G11609	KCFN-7.0-18-23-RA2.5-HC
G08585	HNR5.0-38-100-P-NS-SIM3	G10103	RCFN-6.0-38-J	G11617	KCFW-7.0-38-90-RB
G08591	HNB7.0-38-100-P-NS-MPA	G10143	LMGRF-8.0C-55-MPB	G11633	KCFW-7.0-38-55-RB-RAABE
G08600	RCFW-8.0-38-85-RB-MTS	G10206	JCD16.0-38-20-HC	G11634	KCFW-7.0-38-90-RB-RAABE
G08641	HNR5.0-38-65-P-NS-RC1	G10207	JCD10.0-38-20-HC	G11635	KCFW-7.0-38-70-RB-RAABE
G08642	HNR5.0-38-65-P-NS-RC2	G10208	JCD7.0-38-20-HC	G11636	KCFW-6.0-38-70-RB-RAABE
G08677	HNR5.0-38-65-P-NS-SIM1	G10266	RCFN-5.0-18-13-RA2.5	G11637	KCFW-8.0-38-70-RB-RAABE
G08686	RCFW-10.0-38-30-RB	G10267	RCFN-5.0-18-23-RA2.5	G11638	KCFW-6.0-38-55-RB-RAABE
G08694	RCFW-9.0-38-85-RB-MTS	G10268	RCFN-5.0-18-7-RA2.5	G11642	HNR5.0-38-125-P-NS-VTK
G08699	HNR5.0-35-100-P-NS-DAV	G10270	RCFN-6.0-18-13-RA2.5	G11672	RCFW-18.0P-38-30-RB
G08700	SDN-21-15.0-U	G10271	RCFN-6.0-18-23-RA2.5	G11726	HNR5.0-38-125-P-NS-JB1
G08709	RCFW-10.0-38-75-RB-MTS	G10282	JCD5.0-35-20-HC	G11959	HNR5.0-35-70-P-NS-0
G08736	HNB5.0-38-65-P-NS-Picard	G10283	JCD5.0-38-20-HC	G11991	SCBR5.0-38-100-P-NS-H1
G08756	RCFW-7.0-38-75-RB-MTS	G10284	JCD6.0-35-20-HC	G11992	SCBR5.0-38-100-P-NS-SIM2
G08759	RCFW-8.0-38-75-RB-MTS	G10285	JCD6.0-38-20-HC	G11994	SCBR5.0-38-65-P-NS-C2
G08777	RSTF-14-180	G10287	JCD7.0-35-20-HC	G11995	SCBR5.0-38-65-P-NS-RIM
G08801	RSTF-14-300	G10289	JCD8.0-38-20-HC	G11996	SCBR5.0-38-100-P-NS-DAV
G08805	HNR5.0-35-100-P-NS-WNBG	G10290	JCD9.0-38-20-HC	G11997	SCBR5.0-38-100-P-NS-JB1
G08809	HNR5.0-35-100-P-NS-JB2	G10292	JCD12.0-38-20-HC	G11998	SCBR5.0-38-100-P-NS-JB2
G08832	HNR5.0-35-70-P-10S-PIG	G10293	JCD14.0-38-20-HC	G12000	SCBR5.0-38-100-P-NS-SIM1
G08834	RCFW-10.0-38-63-RB-MTS	G10332	KCFW-6.0-35-RB	G12001	SCBR5.0-38-100-P-NS-SIM3
G08835	RCFW-9.0-38-63-RB-MTS	G10354	HNB5.0-NT-80-P-NS-MPA	G12002	SCBR5.0-38-100-P-NS-MPA
G08867	KCFW-6.0-38-30-RB	G10383	KCFW-6.0-38-40-RB-BLKN	G12003	SCBR5.0-38-65-P-NS-C1
G08903	RCFW-10.0-38-85-RB-MTS	G10384	KCFW-7.0-38-40-RB-BLKN	G12007	SCBR5.0-38-100-P-NS-VERT
G08939	MWCE-18S-8/5-TORNADO	G10385	KCFW-8.0-38-40-RB-BLKN	G12008	SCBR5.0-38-100-P-NS-C2
G08955	RCFW-10.0-38-45-RB	G10387	RCFN-6.0-18-7-RA2.5	G12018	RCFN-5.0-18-5.5-RA1.5
G08956	RCFW-12.0-38-30-RB	G10407	RCFW-12.0-38-80-RB	G12082	SCBR5.0-38-125-P-NS-VTK
G08957	RCFW-14.0-38-30-RB	G10411	MWCE-35-8/4-TORNADO	G12129	HNR5.0-35-65-P-8S-VCF
G09029	RFPC-35-260	G10412	MWCE-35-8/5-TORNADO	G12154	HNR5.0-38-125-P-NS-MPA
G09059	HNR5.0-35-100-P-10S-PIG	G10413	MWCE-35-10/5-TORNADO	G12168	SCBR5.0-38-125-P-NS-VERT
G09102	RCFW-14.0-38-85-RB-MTS	G10414	MWCE-35-4/3-TORNADO	G12170	HNR5.0-38-125-P-NS-VERT
G09105	RPC-35-260	G10415	MWCE-35-5/3-TORNADO	G12242	KCFW-8.0-38-55-RB-RAABE
G09109	RCFW-11.0-38-75-RB-MTS	G10416	MWCE-35-6/3-TORNADO	G12266	KCFW-6.0-38-90-RB-RAABE
G09111	HNR4.0-35-100-P-10S-0	G10417	MWCE-35-7/3-TORNADO	G12394	HNR4.0-35-65-P-8S-VCF
G09118	RCFW-7.0-35-RB	G10418	MWCE-35-10/3-TORNADO	G12423	RCFN-6.0-18-MPIS-NT
G09135	RCFW-11.0-38-85-RB-MTS	G10428	MWCE-35-10/4-TORNADO	G12424	RCFN-5.0-18-MPIS-NT
G09136	RCFW-12.0-38-85-RB-MTS	G10445	HNB5.0-NT-65-P-NS-MPA	G12606	KCFW-9.0-38-70-RB-RAABE
G09142	RCFN-8.0-38-J	G10692	RCFN-4.0-18-23-RA1.5	G12656	KCFW-5.5-38-40-RB-BLKN
G09171	RCFW-12.0-38-75-RB-MTS	G10741	HNB5.0-38-110-P-12S-piG	G12660	KCFN-5.0-18-13-RA2.5-HC
G09172	RCFW-13.0-38-75-RB-MTS	G10755	HNB5.0-38-125-P-NS-VTK	G12661	KCFN-5.0-18-23-RA2.5-HC
G09190	RCFW-9.0-38-75-RB-MTS	G10851	FDB5.3-35-80	G12664	RCFN-4.0-18-MPIS-NT
G09215	MWCE-18S-8/4-TORNADO	G11138	LMGN-6.0C-90-0-HC	G12715	HNR5.0-38-65-P-NS-VS2
G09216	MWCE-18S-10/5-TORNADO	G11140	LMGN-6.0C-90-ANG-HC	G12739	RCFN-7.0-18-MPIS-NT
G09217	MWCE-18S-10/4-TORNADO	G11158	HNR4.0-35-70-P-NS-0	G12835	KSAR-7.0-38-90-RB-SHTL-HC
G09218	MWCE-18S-7/3-TORNADO	G11164	LMGRF-7.0C-80-MPA-PULM	G12836	KSAR-8.0-38-90-RB-SHTL-HC
G09285	HNR5.0-38-100-P-10S-PIG	G11190	HNR5.0-38-80-P-NS-VS2	G12870	HNR5.0-38-100-P-NS-RIM
G09395	PMG-18SP-60-COPE-NT-ST	G11191	HNR5.0-38-80-P-NS-VS3	G12924	MWCE-18S-4/3-TORNADO
G09406	HNR4.0-35-70-P-10S-PIG	G11192	HNR5.0-38-100-P-NS-JB3	G13009	KCFW-5.0-38-55-RB-RAABE
G09409	HNR4.0-35-70-P-10S-0	G11193	HNR5.0-38-100-P-NS-TEGT	G13032	KCFW-10.0-38-30-RB

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G13033	KCFW-10.0-38-80-RB	G19692	MWCE-185-0.7-0-HILAL	G20407	IMWCE-35-8-12
G13069	KCFW-5.0-38-90-RB-RAABE	G19693	MWCE-185-0.5-0-HILAL	G20419	SKS-3.0-120-60-L-HC-B.C.73
G13091	KCFW-5.0-38-70-RB-RAABE	G19694	MWCE-185-1.0-0-HILAL	G20422	IMWCE-35-1.5-3
G13129	KCFW-6.0-38-90-RB	G19695	MWCE-185-1.0-3-HILAL	G20447	IMWCE-35-4-5
G13200	SCBR5.0-38-125-P-NS-SIM2	G19850	THSF-35-145-AUS1	G20452	IMWCE-35-10-8
G13264	KSAW-6.0-38-90-RB-SHTL-HC	G19851	THSF-35-260-AUS1	G20546	IMWCE-38-8-8
G13287	GTRS-200-RB	G19852	THSF-35-145-AUS2	G20551	MWCE-185-6.0-7-HILAL
G13338	KSAW-7.0-38-80-RB-SHTL-HC	G19853	THSCF-35-180-3-AUS2	G20578	IMWCE-38-10-20
G13413	SCBR5.0-38-125-P-NS-DAV	G19865	THSF-35-180-AUS1	G20580	IMWCE-38-10-12
G13431	SCBR5.0-38-80-P-NS-VS	G19867	THSCF-35-145-3-AUS1	G20586	MWCE-185-4.0-7-HILAL
G13432	SCBR5.0-38-80-P-NS-VS1	G19868	THSCF-35-180-3-AUS1	G20615	IMWCE-6.5-PDA5
G13433	SCBR5.0-38-80-P-NS-VS2	G19886	IMWCE-38-15-10	G20616	IMWCE-35-20-10
G13530	SCBR5.0-38-125-P-NS-JB1	G19887	IMWCE-38-15-20	G20624	IMWCE-6.5-PDA3
G13539	KSAW-6.0-38-80-RB-SHTL-HC	G19889	IMWCE-38-8-12	G20625	IMWCE-6.5-PDA4
G13560	HNBR5.0-38-80-P-NS-CHG-B	G19907	IMWCE-35-5-7	G20791	HNBR5.0-38-65-P-NS-VSC1
G13746	HNB6.0-NT-110-P-NS-CN	G19908	IMWCE-35-5-10	G20825	IMWCE-35-10-12
G13772	HNB6.0-38-40-P-NS-BMC	G19920	IMWCE-38-10-10	G20948	IMWCE-35-8-8
G13783	HNBR5.0-35-65-P-NS-VANSCHIE4	G19929	IMWCE-35-15-10	G20990	TPMG-14-180-CIR-HC
G13792	HNBR5.0-35-65-P-NS-VANSCHIE3	G19942	IMWCE-35-10-15	G20992	TPMG-14-180-CEP-HC
G13793	HNBR5.0-35-65-P-NS-VANSCHIE5	G19948	IMWCE-35-2.5-5	G21001	TPMG-16-180-SAG-HC
G13794	HNBR5.0-35-65-P-NS-VANSCHIE2	G19949	IMWCE-35-15-20	G21042	HNBR5.0-38-65-P-NS-VSC3
G13795	HNBR5.0-35-65-P-NS-VANSCHIE1	G19950	IMWCE-38-10-15	G21107	RCFN-4.0-18-13-RA2.5
G13799	RCFN-9.0-38-J	G19952	IMWCE-35-3-8	G21180	GZVI-10.0-60-RB
G13811	OTD-100	G19956	IMWCE-35-10-5	G21182	GZVI-12.0-60-RB
G18367	CXI-2.6-18-65-P-NS-0	G19957	IMWCE-35-8-5	G21184	GZVI-14.0-60-RB
G18368	CXI-2.6-18-65-P-NS-ANG	G19960	IMWCE-38-1-3	G21185	GZVI-14.0-90-RB
G18484	MCSS-2.5-NT-135-SAGITTA-HC	G19989	IMWCE-35-1-3	G23014	ATB5-35-80-14-2.0
G18485	MCSS-2.8-NT-135-SAGITTA-HC	G19992	IMWCE-35-1.5-5	G23015	ATB5-35-120-14-2.0
G18487	MCSS-2.5-NT-150-SAGITTA-HC	G20013	IMWCE-38-4-4	G23121	CFM-200
G18488	MCSS-2.8-NT-150-SAGITTA-HC	G20014	IMWCE-38-5-6	G23172	ZDEG-PT-32-24-158-PF
G18676	PTAX4-14-110-2-2	G20025	TDS-80-PDA	G23173	ZDEG-PT-32-24-196-PF
G18686	PTAX4-14-110-2-4	G20026	TDS-110-PDA	G23174	ZDEG-PT-34-26-156-PF
G18694	PTAX4-14-110-2-6	G20032	IMWCE-38-5-7	G23175	ZDEG-PT-34-26-194-PF
G18695	PTAX4-14-110-2-8	G20035	IMWCE-35-10-10	G23176	ZDEG-PT-36-28-159-PF
G18700	PTAX4-14-110-2-12	G20038	HNBR5.0-38-65-P-NS-VSC2	G23177	ZDEG-PT-36-28-199-PF
G18701	PTAX4-14-110-2-16	G20055	IMWCE-35-15-15	G23178	ZDEG-PT-38-30-159-PF
G18737	PTAX4-14-110-2-20	G20096	IMWCE-35-5-12	G23179	ZDEG-PT-38-30-199-PF
G18743	PTAX4-14-110-2.5-2	G20098	IMWCE-35-4-4	G23180	ZDEG-PT-40-32-165-PF
G18756	PTAX4-14-110-2.5-4	G20102	IMWCE-35-4-3-JACKSON	G23181	ZDEG-PT-40-32-205-PF
G18762	PTAX4-14-110-2.5-6	G20103	IMWCE-35-4-4-JACKSON	G23182	ZDEG-PT-42-34-160-PF
G18798	PTAX4-14-110-2.5-8	G20104	IMWCE-35-5-5-JACKSON	G23183	ZDEG-PT-42-34-210-PF
G18799	PTAX4-14-110-2.5-12	G20108	IMWCE-38-4-3-JACKSON	G23520	MWCE-18-5-5-NESTER
G18802	PTAX4-14-110-2.5-16	G20109	IMWCE-38-4-4-JACKSON	G23521	MWCE-18-7-5-NESTER
G18807	PTAX4-14-110-2.5-20	G20110	IMWCE-38-5-5-JACKSON	G23522	MWCE-18-14-5-NESTER
G18838	PTAX4-14-110-3-2	G20111	IMWCE-38-5-8-JACKSON	G23523	MWCE-35-7-3-NESTER
G18859	PTAX4-14-110-3-4	G20112	IMWCE-38-6-10-JACKSON	G23524	MWCE-35-7-5-NESTER
G18860	PTAX4-14-110-3-6	G20113	IMWCE-38-6-12-JACKSON	G23525	MWCE-35-14-3-NESTER
G18875	PTAX4-14-110-3-8	G20114	TPMG-14-180-CIRRUUS	G23526	MWCE-35-14-5-NESTER
G18880	PTAX4-14-110-3-12	G20119	PDAS-5.0-80	G23527	MWCE-35-20-5-NESTER
G18924	PTAX4-14-110-3-16	G20120	PDAS-5.0-110	G23528	MWCE-35-20-6-NESTER
G18951	PTAX4-14-110-3-20	G20131	THSF-35-180-AUS2	G23529	MWCE-35-20-8-NESTER
G18960	PTAX4-14-110-4-2	G20149	IMWCE-35-5-15	G23530	MWCE-35-20-10-NESTER
G18969	PTAX4-14-110-4-4	G20151	IMWCE-35-20-20	G23531	MWCE-35-20-12-NESTER
G18999	PTAX4-14-110-4-6	G20165	IMWCE-38-1.5-5	G23532	MWCE-35-20-14-NESTER
G19006	PTAX4-14-110-4-8	G20170	THSCF-35-260-3-AUS1	G23533	MWCE-35-20-16-NESTER
G19021	PTAX4-14-110-4-12	G20182	IMWCE-38-20-10	G23534	MWCE-35-20-18-NESTER
G19064	PTAX4-14-110-4-16	G20207	IMWCE-35-8-10	G23591	ZTEG-2PT-26-32-162-PF
G19066	PTAX4-14-110-4-20	G20220	THSCF-35-145-3-AUS2	G23592	ZTEG-2PT-26-32-202-PF
G19296	AWLR-6.3-100-25	G20222	MWCE-185-3.0-3-HILAL	G23593	ZTEG-2PT-28-34-167-PF
G19297	AWLR-5.0-50-10	G20223	MWCE-185-3.0-4-HILAL	G23594	ZTEG-2PT-28-34-192-PF
G19311	AWLR-6.3-100-10	G20231	IMWCE-3-PDA3	G23595	ZTEG-2PT-30-36-167-PF
G19431	GZV-20-25	G20232	IMWCE-3-PDA4	G23596	ZTEG-2PT-30-36-192-PF
G19432	GZV-20-50	G20233	IMWCE-3-PDA5	G23597	ZTEG-2PT-32-38-167-PF
G19433	GZV-30-50	G20234	IMWCE-5-PDA3	G23598	ZTEG-2PT-32-38-192-PF
G19436	GZV-15-25	G20235	IMWCE-5-PDA4	G23599	ZTEG-2PT-34-40-160-PF
G19446	GZV-40-50	G20236	IMWCE-5-PDA5	G23600	ZTEG-2PT-34-40-214-PF
G19447	GZV-15-50	G20237	IMWCE-8-PDA3	G23601	ZTEG-2PT-36-42-160-PF
G19448	GZV-30-25	G20238	IMWCE-8-PDA4	G23602	ZTEG-2PT-36-42-214-PF
G19633	CP-18-180	G20239	IMWCE-8-PDA5	G23603	ZTEG-2PT-32-22-162-PF
G19645	MWCE-185-1.2-2-A	G20270	HNBS.0-35-65-P-15-ACN1	G23604	ZTEG-2PT-32-22-202-PF
G19646	MWCE-185-2.0-5-B	G20291	IMWCE-35-5-6	G23605	ZTEG-2PT-34-24-159-PF
G19648	MWCE-185-3.5-4-C	G20322	IMWCE-35-5-4	G23606	ZTEG-2PT-34-24-199-PF
G19652	GZV-30-75	G20325	IMWCE-38-6-12	G23607	ZTEG-2PT-36-26-159-PF
G19653	MWCE-185-3.0-7-B	G20326	IMWCE-35-8-15	G23608	ZTEG-2PT-36-26-199-PF
G19654	MWCE-185-5.2-12-B	G20332	MWCE-185-2.0-2-HILAL	G23609	ZTEG-2PT-38-28-159-PF
G19655	MWCE-185-4.2-10-B	G20333	MWCE-185-2.0-4-HILAL	G23610	ZTEG-2PT-38-28-199-PF
G19658	GZV-40-75	G20335	MWCE-185-6.0-5-HILAL	G23613	ZTEG-2PT-42-32-165-PF
G19659	MWCE-185-1.8-3-A	G20336	MWCE-185-4.0-6-HILAL	G23614	ZTEG-2PT-42-32-205-PF
G19660	MWCE-185-1.5-5-HILAL	G20338	IMWCE-38-3-3	G23615	GZSD-36-82-2
G19667	MWCE-185-2.6-3-C	G20340	IMWCE-35-3-7	G23616	GZSD-36-123-2
G19681	MWCE-185-2.4-4-A	G20349	IMWCE-38-5-6-JACKSON	G23617	GZSD-36-164-2
G19683	MWCE-185-3.0-10-HILAL	G20381	IMWCE-38-5-4	G23618	GZSD-46-82-2

GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER
G23619	GZSD-46-123-2	G26402	PTA3-14-90-2.5-2	G26992	MWCE-35-14-12-NESTER
G23620	GZSD-46-164-2	G26403	PTA3-14-90-2.5-3	G26993	MWCE-35-14-4-NESTER
G23799	MCS-2.5-NT2-100-15-HP	G26404	PTA3-14-90-2.5-4	G26994	MWCE-35-14-6-NESTER
G23801	MCS-2.5-NT2-135-15-HP	G26405	PTA3-14-90-2.5-6	G26995	MWCE-35-14-8-NESTER
G23802	MCS-2.5-NT2-150-15-HP	G26406	PTA3-14-90-2.5-8	G27022	RCFN-4.0-18-5.5-RA1.5
G23803	MCS-2.8-NT2-100-15-HP	G26407	PTA3-14-90-2.5-10	G27025	RCFW-18.0P-38-85-RB
G23805	MCS-2.8-NT2-135-15-HP	G26601	PTA3-14-90-2.5-12	G27029	SDN-20-4.0
G23806	MCS-2.8-NT2-150-15-HP	G26602	PTA3-14-90-3-2	G27032	THSF-35-145-ASG
G24249	ZDEG-P-22-79-PF	G26604	PTA3-14-90-3-3	G27035	THSF-35-260-ASG
G24250	ZDEG-P-22-117-PF	G26605	PTA3-14-90-3-4	G27242	RCF-5.0-35-45-J
G24251	ZDEG-P-24-79-PF	G26606	PTA3-14-90-3-6	G27257	ADN-18-18.0
G24252	ZDEG-P-42-164-PF	G26607	PTA3-14-90-3-8	G27260	ADN-22-7.0
G24253	ZDEG-P-24-117-PF	G26608	PTA3-14-90-3-10	G27280	BSDN-20-4.0
G24254	ZDEG-PT-32-162-PF	G26610	PTA3-14-90-3-12	G27448	GZVI-11.0-60-RB
G24255	ZDEG-P-26-79-PF	G26611	PTA3-14-150-1.5-2	G27815	HNBR5.0-35-60-P-NS-BELL-1.5
G24256	ZDEG-PT-32-202-PF	G26614	PTA3-14-150-1.5-4	G27864	HNR4.0-35-125-P-10S-PIG
G24257	ZDEG-P-26-136-PF	G26620	PTA3-14-150-2-2	G28425	RCFW-10.0-38-75-RB-HLA-091100
G24258	ZDEG-PT-34-159-PF	G26621	PTA3-14-150-2-3	G28433	RCFW-12.0-38-45-RB
G24259	ZDEG-PT-34-199-PF	G26622	PTA3-14-150-2-4	G28434	RCFW-12.0-38-75-RB-HLA-091100
G24260	ZDEG-P-28-82-PF	G26625	PTA3-14-150-2-6	G28438	RCFW-14.0-38-45-RB
G24261	ZDEG-PT-36-159-PF	G26626	PTA3-14-150-2-8	G28445	RCFW-16.0P-38-45-RB
G24262	ZDEG-P-28-142-PF	G26636	PTA3-14-150-2-10	G28781	THSF-35-180-ASG
G24263	ZDEG-PT-36-199-PF	G26641	PTA3-14-150-2-12	G28815	TPMG-16-135-SAG-HC
G24264	ZDEG-PT-38-154-PF	G26643	PTA3-14-150-2.5-2	G28817	TPMG-16C-150-TC35-FLX12
G24265	ZDEG-P-28-202-PF	G26646	PTA3-14-150-2.5-3	G29935	RCFW-11.0-38-75-RB-HLA-091100
G24266	ZDEG-PT-38-204-PF	G26653	PTA3-14-150-2.5-4	G29981	KCFW-5.0-18/38-45-RB-ANL1-HC
G24267	ZDEG-P-30-82-PF	G26665	PTA3-14-150-2.5-6	G29982	KCFW-6.0-18/38-45-RB-ANL1-HC
G24268	ZDEG-PT-40-160-PF	G26677	PTA3-14-150-2.5-8	G29983	KCFW-6.0-18/38-45-RB-ANL2-HC
G24269	ZDEG-P-30-142-PF	G26678	PTA3-14-150-2.5-10	G29985	KCFW-7.0-18/38-45-RB-ANL1-HC
G24270	ZDEG-PT-40-210-PF	G26679	PTA3-14-150-2.5-12	G29986	KCFW-7.0-18/38-45-RB-ANL2-HC
G24271	ZDEG-P-30-202-PF	G26680	PTA3-14-150-3-2	G29988	KCFW-5.0-18/38-90-RB-ANL1-HC
G24272	ZDEG-P-32-82-PF	G26681	PTA3-14-150-3-3	G29989	KCFW-6.0-18/38-90-RB-ANL1-HC
G24273	ZDEG-PT-42-160-PF	G26706	PTA3-14-150-3-4	G29990	KCFW-6.0-18/38-90-RB-ANL2-HC
G24274	ZDEG-PT-42-210-PF	G26707	PTA3-14-150-3-6	G29995	KSAW-5.0-18/38-55-RB-ANL1-HC
G24275	ZDEG-P-32-142-PF	G26710	PTA3-14-150-3-8	G29996	KSAW-6.0-18/38-55-RB-ANL1-HC
G24276	ZDEG-P-32-202-PF	G26719	PTA3-14-150-3-10	G29997	KSAW-6.0-18/38-55-RB-ANL2-HC
G24277	ZDEG-P-34-79-PF	G26724	PTA3-14-150-3-12	G29998	KSAW-6.0-18/38-55-RB-ANL3-HC
G24278	ZDEG-P-34-154-PF	G26867	ADN-18-7.0	G29999	KSAW-7.0-18/38-55-RB-ANL1-HC
G24279	ZDEG-P-34-204-PF	G26868	ATB5-35-120-10-4.0	G30000	KSAW-7.0-18/38-55-RB-ANL2-HC
G24282	ZDEG-P-36-79-PF	G26870	ATB5-35-120-4-4.0	G30001	KSAW-7.0-18/38-55-RB-ANL3-HC
G24283	ZDEG-P-36-154-PF	G26871	ATB5-35-120-5-2.0	G30009	KSAW-5.0-18/38-90-RB-SHTL-HC
G24284	ZDEG-P-36-204-PF	G26872	ATB5-35-120-5-4.0	G30117	KCFW-5.0-18/38-45-RB-ANL2-HC
G24285	ZDEG-P-38-79-PF	G26873	ATB5-35-120-6-2.0	G30120	KSAW-5.0-18/38-55-RB-ANL2-HC
G24286	ZDEG-P-38-154-PF	G26874	ATB5-35-120-6-4.0	G30121	KSAW-5.0-18/38-55-RB-ANL3-HC
G24287	ZDEG-P-38-204-PF	G26875	ATB5-35-120-6-6.0	G30213	ATB5-35-80-4-6.0
G24288	ZDEG-P-40-83-PF	G26876	ATB5-35-120-6-8.0	G30214	ATB5-35-120-4-6.0
G24289	ZDEG-P-40-164-PF	G26877	ATB5-35-120-7-2.0	G30216	ATB5-35-80-5-6.0
G24290	ZDEG-P-40-218-PF	G26878	ATB5-35-120-7-4.0	G30217	ATB5-35-120-5-6.0
G24291	ZDEG-P-42-83-PF	G26879	ATB5-35-120-7-6.0	G30220	ATB5-35-80-9-2.0
G24292	ZDEG-P-42-218-PF	G26880	ATB5-35-120-8-2.0	G31004	SCBR4.0-38-100-P-NS-DAV
G26090	PTA3-14-50-1.5-2	G26881	ATB5-35-120-8-4.0	G31016	SCBR4.0-38-100-P-NS-H1
G26091	PTA3-14-50-1.5-4	G26882	ATB5-35-120-8-6.0	G31017	SCBR4.0-38-100-P-NS-SIM2
G26092	PTA3-14-50-2-2	G26883	ATB5-35-120-9-4.0	G31019	SCBR4.0-38-65-P-NS-KMP
G26093	PTA3-14-50-2-3	G26884	ATB5-35-120-6-2.0	G31021	SCBR4.0-38-65-P-NS-C2
G26094	PTA3-14-50-2-4	G26885	ATB5-35-40-6-4.0	G31022	SCBR4.0-38-100-P-NS-C2
G26095	PTA3-14-50-2-6	G26886	ATB5-35-40-7-2.0	G31023	SCBR4.0-38-100-P-NS-MPA
G26096	PTA3-14-50-2-8	G26887	ATB5-35-40-7-4.0	G31027	CID-20-30
G26098	PTA3-14-50-2-10	G26888	ATB5-35-40-8-2.0	G31129	SCBR5.5-35-125-P-NS-H1-SHTL
G26099	PTA3-14-50-2-12	G26889	ATB5-35-40-8-4.0	G31130	SCBR5.5-35-125-P-NS-JB1-SHTL
G26100	PTA3-14-50-2.5-2	G26890	ATB5-35-80-10-4.0	G31133	KSAW-5.0-38-90-RB-SHTL-FLEX-HC
G26101	PTA3-14-50-2.5-3	G26891	ATB5-35-80-4-2.0	G31134	SCBR6.5-35-125-P-NS-H1-SHTL
G26102	PTA3-14-50-2.5-4	G26892	ATB5-35-80-4-4.0	G31135	SCBR6.5-35-125-P-NS-JB1-SHTL
G26103	PTA3-14-50-2.5-6	G26893	ATB5-35-80-5-2.0	G31138	KSAW-6.0-38-90-RB-SHTL-FLEX-HC
G26104	PTA3-14-50-2.5-8	G26894	ATB5-35-80-5-4.0	G31188	ATB5-35-40-7-6.0
G26105	PTA3-14-50-2.5-10	G26895	ATB5-35-80-6-2.0	G31190	ATB5-35-40-8-6.0
G26106	PTA3-14-50-2.5-12	G26896	ATB5-35-80-6-4.0	G31191	ATB5-35-40-9-4.0
G26107	PTA3-14-50-3-2	G26897	ATB5-35-80-6-6.0	G31192	ATB5-35-40-10-4.0
G26109	PTA3-14-50-3-3	G26898	ATB5-35-80-6-8.0	G31208	ATB5-35-80-5-8.0
G26110	PTA3-14-50-3-4	G26899	ATB5-35-80-7-2.0	G31211	ATB5-35-80-7-8.0
G26111	PTA3-14-50-3-6	G26900	ATB5-35-80-7-4.0	G31213	NR5.0-35-70-P-10S-0-CSC-20
G26112	PTA3-14-50-3-8	G26901	ATB5-35-80-7-6.0	G31214	NR5.0-35-100-P-10S-0-CSC-20
G26113	PTA3-14-50-3-10	G26902	ATB5-35-80-8-2.0	G31215	NR5.0-35-70-P-10S-PIG-CSC-20
G26115	PTA3-14-50-3-12	G26904	ATB5-35-80-8-4.0	G31216	NR5.0-35-100-P-10S-PIG-CSC-20
G26117	PTA3-14-90-1.5-2	G26905	ATB5-35-80-8-6.0	G31224	NR5.0-35-70-P-10S-PIG-WSC
G26118	PTA3-14-90-1.5-4	G26906	ATB5-35-80-9-4.0	G31226	NR5.0-35-100-P-10S-PIG-WSC
G26119	PTA3-14-90-2-2	G26973	HNBR5.0-35-90-P-NS-RUC	G31230	NR5.0-35-70-P-10S-PIG-CAVA
G26121	PTA3-14-90-2-3	G26986	MWCE-18-14-10-NESTER	G31231	NR5.0-35-90-P-10S-PIG-CAVA
G26122	PTA3-14-90-2-4	G26987	MWCE-18-14-3-NESTER	G31232	NR5.0-35-70-P-10S-VCF-CAVA
G26123	PTA3-14-90-2-6	G26988	MWCE-18-14-4-NESTER	G31233	NR5.0-35-90-P-10S-VCF-CAVA
G26195	PTA3-14-90-2-8	G26989	MWCE-18-14-6-NESTER	G31234	SCBR5.0-35-90-P-NS-RUC
G26400	PTA3-14-90-2-10	G26990	MWCE-18-14-8-NESTER	G31251	ATB5-35-40-5-4.0
G26401	PTA3-14-90-2-12	G26991	MWCE-35-14-10-NESTER	G31325	SCBR4.0-38-100-P-NS-SIM1

GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER	GLOBAL PRODUCT NUMBER	ORDER NUMBER
G31327	SCBR4.0-38-100-P-NS-JB1	G33294	DCS-18-8-30-HL-SPIRAL	G36363	SCBR6.5-35-125-NS-SIM2-SHTL
G31328	SCBR4.0-38-100-P-NS-JB2	G33295	DCS-18-8/3-14-HL-TORNADO	G36364	SCBR6.5-35-125-P-NS-JB2-SHTL
G31330	SCBR4.0-38-100-P-NS-VERT	G33296	DCS-185-10-20-HL-SPIRAL	G36391	SCBR4.0-35-150-P-NS-0
G31331	SCBR4.0-38-100-P-NS-MPB	G33297	DCS-185-10-25-HL-MCJ	G36393	KCFW-9.0-38-55-RB-RAABE
G31336	SCBR4.0-38-100-P-NS-0	G33298	DCS-185-10-30-HL-MCJ	G36405	IMWCE-35-5-5
G31453	TSCMG-35-260-LES	G33299	DCS-185-10-50-HL-J	G37252	ZIV5-80-4-8.0
G32163	HNB5.0-38-100-P-NS-VAL	G33300	DCS-185-14-30-HL-SPIRAL	G37254	ZIV5-80-5-8.0
G32167	HNB5.0-NT-65-P-NS-HET	G33301	DCS-185-15-50-HL-J	G37256	ZIV5-80-6-8.0
G32194	KCFW-5.0-38-30-RB	G33302	DCS-185-16-50-HL-SPIRAL	G37258	ZIV5-80-7-8.0
G32208	KCFW-5.5-38-40-RB-BLKN-HC	G33303	DCS-185-18-50-HL-SPIRAL	G37260	ZIV5-80-8-8.0
G32216	KCFW-8.0-38-40-RB-BLKN-HC	G33304	DCS-185-20-50-HL-SPIRAL	G37262	ZIV5-80-9-8.0
G32224	KCFW-6.0-38-40-RB-BLKN-HC	G33305	DCS-185-3-6-HL-SPIRAL	G37264	ZIV5-80-10-8.0
G32225	KCFW-7.0-38-40-RB-BLKN-HC	G33306	DCS-185-3-9-HL-SPIRAL	G37287	ZIV6-80-14-4.0
G32233	KCFW-10.0-38-40-RB	G33307	DCS-185-4-10-HL-SPIRAL	G37289	ZIV6-80-14-6.0
G32369	SCBR5.0-38-125-P-NS-SIM1	G33308	DCS-185-4-15-HL-J	G37291	ZIV6-80-14-8.0
G32372	KCFW-10.0-38-40-RB-BLKN	G33309	DCS-185-4-25-HL-J	G37293	ZIV6-80-12-4.0
G32373	KCFW-12.0-38-40-RB	G33310	DCS-185-4-5-HL-SPIRAL	G37295	ZIV6-80-12-6.0
G32374	KCFW-12.0-38-40-RB-BLKN	G33311	DCS-185-4-50-HL-J	G37297	ZIV6-80-12-8.0
G33041	JDS-110	G33312	DCS-185-5-12-HL-SPIRAL	G37546	ZIV6-125-12-6.0
G33042	JDS-80	G33313	DCS-185-5-7-HL-SPIRAL	G37549	ZIV6-125-14-4.0
G33120	ZIV5-125-5-4.0	G33314	DCS-185-6-15-HL-J	G37550	ZIV6-125-14-6.0
G33122	ZIV5-125-5-6.0	G33315	DCS-185-6-15-HL-MCJ	G37553	ZIV6-125-14-8.0
G33124	ZIV5-125-6-3.0	G33316	DCS-185-6-15-HL-SPIRAL	G37554	ZIV6-125-12-4.0
G33125	ZIV5-125-6-4.0	G33317	DCS-185-6-25-HL-J	G37555	ZIV6-125-12-8.0
G33127	ZIV5-125-6-6.0	G33318	DCS-185-6-50-HL-J	G37755	ZIV5-125-4-6.0
G33129	ZIV5-125-7-3.0	G33319	DCS-185-6-8-HL-SPIRAL	G37757	ZIV5-125-4-4.0
G33130	ZIV5-125-7-4.0	G33320	DCS-185-8-10-HL-SPIRAL	G37759	ZIV5-125-4-2.0
G33132	ZIV5-125-7-6.0	G33321	DCS-185-8-15-HL-J	G37783	ZIV5-125-10-4.0
G33134	ZIV5-125-8-3.0	G33322	DCS-185-8-20-HL-MCJ	G37830	ZIV5-125-10-6.0
G33135	ZIV5-125-8-4.0	G33323	DCS-185-8-20-HL-SPIRAL	G38079	ZFEN-D-12-28-76
G33137	ZIV5-125-8-6.0	G33324	DCS-185-8-25-HL-J	G38083	ZFEN-D-12-45-76
G33140	ZIV5-125-9-4.0	G33325	DCS-185-8-50-HL-J	G38087	ZFEN-D-12-62-76
G33142	ZIV5-125-9-6.0	G33326	DLD-11/18-HL-UNI	G38091	ZFEN-D-16-28-76
G33145	ZIV5-80-10-4.0	G33351	IMWCE-38-20-20	G38095	ZFEN-D-16-45-76
G33147	ZIV5-80-10-6.0	G33634	ZIV5-80-4-2.0	G38099	ZFEN-D-16-62-76
G33149	ZIV5-80-6-4.0	G33636	ZIV5-80-4-4.0	G38103	ZFEN-D-20-28-76
G33150	ZIV5-80-6-6.0	G33641	ZIV5-80-5-4.0	G38107	ZFEN-D-20-45-76
G33151	ZIV5-80-7-4.0	G33841	ZIV5-125-4-8.0	G38111	ZFEN-D-20-62-76
G33152	ZIV5-80-7-6.0	G33845	ZIV5-125-6-8.0	G38115	ZFEN-D-24-45-76
G33153	ZIV5-80-8-4.0	G33847	ZIV5-125-7-8.0	G38119	ZFEN-D-24-62-76
G33154	ZIV5-80-8-6.0	G33849	ZIV5-125-8-8.0	G38122	ZFEN-P-1-24-106
G33155	ZIV5-80-9-4.0	G33851	ZIV5-125-9-8.0	G38123	ZFEN-P-1-24-121
G33156	ZIV5-80-9-6.0	G33853	ZIV5-125-10-8.0	G38124	ZFEN-P-1-24-76
G33249	DCS-11-2-2-HL-SPIRAL	G36275	HWA-18-150	G38125	ZFEN-P-1-24-91
G33250	DCS-11-2-4-HL-SPIRAL	G36276	HW-18-180	G38126	ZFEN-P-1-26-106
G33251	DCS-11-3-4-HL-SPIRAL	G36277	HWA-18-180	G38127	ZFEN-P-1-26-121
G33252	DCS-11-3-6-HL-SPIRAL	G36278	HWA-18-260	G38128	ZFEN-P-1-26-76
G33253	DCS-11-4-10-HL-J	G36280	HWA-25-180	G38129	ZFEN-P-1-26-91
G33254	DCS-11-4-12-HL-SPIRAL	G36281	HWA-25-260	G38130	ZFEN-P-1-28-106
G33255	DCS-11-4-15-HL-J	G36282	HWA-35-150	G38131	ZFEN-P-1-28-121
G33256	DCS-11-4-20-HL-J	G36283	HW-35-150	G38132	ZFEN-P-1-28-76
G33257	DCS-11-4-30-HL-J	G36284	HWA-35-180	G38133	ZFEN-P-1-28-91
G33258	DCS-11-4-5-HL-SPIRAL	G36286	HWA-38-150	G38134	ZFEN-P-1-30-106
G33259	DCS-11-4-8-HL-SPIRAL	G36287	HW-38-150	G38135	ZFEN-P-1-30-121
G33260	DCS-11-5-10-HL-SPIRAL	G36288	HWA-38-180	G38136	ZFEN-P-1-30-76
G33261	DCS-11-5-15-HL-SPIRAL	G36290	HWAS-35-150	G38137	ZFEN-P-1-30-91
G33262	DCS-11-5-6-HL-SPIRAL	G36291	HWS-35-150	G38138	ZFEN-P-1-32-106
G33263	DCS-11-6-12-HL-SPIRAL	G36292	HWAS-35-180	G38139	ZFEN-P-1-32-121
G33264	DCS-11-6-15-HL-J	G36293	HWAS-35-260	G38140	ZFEN-P-1-32-76
G33265	DCS-11-6-20-HL-J	G36297	HWAS-38-260	G38141	ZFEN-P-1-32-91
G33266	DCS-11-6-20-HL-SPIRAL	G36300	HWA-35-260	G38142	ZFEN-P-1-34-114
G33267	DCS-11-6-30-HL-J	G36301	HWA-38-260	G38143	ZFEN-P-1-34-129
G33268	DCS-11-6-8-HL-SPIRAL	G36319	SCBR4.0-38-65-P-NS-TC	G38144	ZFEN-P-1-34-84
G33269	DCS-11-8-15-HL-J	G36320	SCBR5.0-38-65-P-NS-TC	G38145	ZFEN-P-1-34-99
G33270	DCS-11-8-30-HL-J	G36321	SCBR4.0-38-65-P-NS-TC-BNK	G38146	ZFEN-P-1-36-114
G33273	DCS-18-10-30-HL-J	G36322	SCBR5.0-38-65-P-NS-TC-BNK	G38147	ZFEN-P-1-36-129
G33274	DCS-18-10-30-HL-MCJ	G36324	HW-35-180	G38148	ZFEN-P-1-36-84
G33275	DCS-18-10-30-HL-SPIRAL	G36325	HW-35-260	G38149	ZFEN-P-1-36-99
G33276	DCS-18-12-20-HL-SPIRAL	G36326	HWS-35-180	G38150	ZFEN-P-2-24-109
G33277	DCS-18-12-30-HL-J	G36327	HWS-35-260	G38151	ZFEN-P-2-24-124
G33278	DCS-18-12-30-HL-SPIRAL	G36331	KCFW-5.0-18/38-90-RB-ANL2-HC	G38152	ZFEN-P-2-24-94
G33279	DCS-18-12-50-HL-J	G36334	HW-25-150	G38153	ZFEN-P-2-26-109
G33280	DCS-18-15-30-HL-MCJ	G36335	HW-38-180	G38154	ZFEN-P-2-26-124
G33281	DCS-18-20-50-HL-J	G36336	HWS-38-180	G38155	ZFEN-P-2-26-94
G33282	DCS-18-4-12-HL-SPIRAL	G36348	ATB5-35-80-8-8.0	G38156	ZFEN-P-2-28-109
G33283	DCS-18-4-6-HL-SPIRAL	G36350	ATB5-35-80-9-6.0	G38157	ZFEN-P-2-28-124
G33284	DCS-18-6-10-HL-SPIRAL	G36351	ATB5-35-80-9-8.0	G38158	ZFEN-P-2-28-94
G33287	DCS-18-6-30-HL-J	G36355	ATB5-35-80-10-6.0	G38159	ZFEN-P-2-30-109
G33289	DCS-18-8-10-HL-SPIRAL	G36359	SCBR5.5-35-125-P-NS-VTK-SHTL	G38160	ZFEN-P-2-30-124
G33290	DCS-18-8-20-HL-J	G36360	SCBR5.5-35-125-P-NS-SIM2-SHTL	G38161	ZFEN-P-2-30-94
G33292	DCS-18-8-30-HL-J	G36361	SCBR5.5-35-125-P-NS-JB2-SHTL	G38162	ZFEN-P-2-32-109
G33293	DCS-18-8-30-HL-MCJ	G36362	SCBR6.5-35-125-P-NS-VTK-SHTL	G38163	ZFEN-P-2-32-124

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G38164	ZFEN-P-2-32-94	G44143	ATB5-35-40-14-4.0	G48525	ZALL-24-96
G38165	ZFEN-P-2-34-107	G44144	ATB5-35-80-12-4.0	G48670	HWA-18-80
G38166	ZFEN-P-2-34-122	G44145	ATB5-35-80-14-4.0	G48671	HWA-35-80
G38167	ZFEN-P-2-34-137	G44146	ATB5-35-120-12-4.0	G49043	KCFW-7.0-35-55-RB-HFANL1-HC
G38168	ZFEN-P-2-36-107	G44147	ATB5-35-120-14-4.0	G49044	KCFW-7.0-35-110-RB-HFANL1-HC
G38169	ZFEN-P-2-36-122	G44153	KCFW-5.0-18/38-45-RB-ANL0-HC	G49045	KCFW-8.0-35-55-RB-HFANL1-HC
G38170	ZFEN-P-2-36-137	G44154	KCFW-6.0-18/38-45-RB-ANL0-HC	G49046	KCFW-8.0-35-110-RB-HFANL1-HC
G38344	ZBIS-12-61-58	G44155	KCFW-7.0-18/38-45-RB-ANL0-HC	G49099	KCFW-8.0-18/38-45-RB-ANL0-HC
G38574	ZFEN-D-12-28-94	G45208	TSCMG-35-260-LES	G49100	KCFW-8.0-18/38-45-RB-ANL1-HC
G38575	ZFEN-D-16-28-94	G45352	TSCMG-35-300-LES	G49101	KCFW-9.0-18/38-45-RB-ANL0-HC
G38576	ZFEN-D-20-28-94	G45353	TSCMG-35-260-7-LES	G49226	TSMG-35-145-4-LES
G38577	ZFEN-D-12-28-109	G45407	TSCMG-35-300-7-LES	G49227	TSMG-35-145-7-LES
G38578	ZFEN-D-16-28-109	G45408	TSCMG-35-300-LES	G49228	TSMG-35-180-7-LES
G38579	ZFEN-D-20-28-109	G46727	TSCMG-35-145-4-3-LES	G49230	TSCMG-35-180-4-3-LES
G38580	ZFEN-D-12-28-124	G46729	TSMG-35-180-4-LES	G49479	PTA4-18-135-4-8
G38581	ZFEN-D-16-28-124	G47700	KCFW-10.0-35-45-RB-HFANL1-HC	G49487	KCFW-12.0-38-80-RB
G38582	ZFEN-D-20-28-124	G47701	KCFW-12.0-35-45-RB-HFANL1-HC	G49536	ZALL-10-36
G38583	ZFEN-D-12-45-94	G47732	CMW-14-135	G49537	ZALL-10-60
G38584	ZFEN-D-16-45-94	G47733	CMW-14-190	G49538	ZALL-10-72
G38585	ZFEN-D-20-45-94	G47734	CMW-14-300	G49539	ZALL-10-96
G38586	ZFEN-D-24-45-94	G47735	CMWA-14-135	G49540	ZALL-10-108
G38587	ZFEN-D-12-45-109	G47736	CMWA-14-190	G49541	ZALL-10-120
G38588	ZFEN-D-16-45-109	G47737	CMWA-14-300	G49542	ZALL-12-36
G38589	ZFEN-D-20-45-109	G47942	MPIS-401-NT-SST	G49543	ZALL-12-72
G38590	ZFEN-D-24-45-109	G47944	MPIS-401-NT-U-SST	G49544	ZALL-12-96
G38591	ZFEN-D-12-45-124	G47949	MPIS-401-U-SST	G49545	ZALL-12-108
G38592	ZFEN-D-16-45-124	G47950	MPIS-405-SST	G49546	ZALL-14-36
G38593	ZFEN-D-20-45-124	G48003	MPIS-401-10.0-SC-NT-SST	G49547	ZALL-14-60
G38594	ZFEN-D-24-45-124	G48004	MPIS-401-10.0-SC-NT-U-SST	G49548	ZALL-14-72
G38595	ZFEN-D-12-62-94	G48005	MPIS-501-15.0-SC-NT-SST	G49549	ZALL-14-96
G38596	ZFEN-D-16-62-94	G48007	MPIS-501-10.0-SC-NT-SST	G49550	ZALL-14-108
G38597	ZFEN-D-20-62-94	G48008	MPIS-501-10.0-SC-NT-U-SST	G49551	ZALL-16-36
G38598	ZFEN-D-24-62-94	G48020	ZALB-32-84	G49552	ZALL-16-60
G38599	ZFEN-D-12-62-109	G48021	ZALL-12-60	G49553	ZALL-16-72
G38600	ZFEN-D-16-62-109	G48151	SCBR4.5-35-75-P-NS-ANG-SHTL	G49554	ZALL-16-96
G38601	ZFEN-D-20-62-109	G48152	SCBR5.5-35-75-P-NS-ANG-SHTL	G49555	ZALL-18-36
G38602	ZFEN-D-24-62-109	G48153	SCBR4.5-35-135-P-NS-ANG-SHTL	G49556	ZALL-18-60
G38603	ZFEN-D-12-62-124	G48154	SCBR5.5-35-135-P-NS-ANG-SHTL	G49557	ZALL-18-72
G38604	ZFEN-D-16-62-124	G48186	KCFW-4.0-18/35-45-RB-ANL0-HC	G49558	ZALL-18-96
G38605	ZFEN-D-20-62-124	G48187	KCFW-4.0-35-55-RB-RAABE	G49559	ZALL-20-36
G38606	ZFEN-D-24-62-124	G48188	KCFW-4.0-18/35-90-RB-ANL0-HC	G49560	ZALL-20-60
G38612	ZBIS-10-45-41	G48189	KCFW-5.0-18/38-90-RB-ANL0-HC	G49561	ZALL-20-72
G38613	ZBIS-10-45-58	G48190	KSAW-4.0-18/35-90-RB-SHTL-HC	G49562	ZALL-20-96
G38614	ZBIS-10-61-41	G48191	KCFW-4.0-18/35-110-RB-ANL0-HC	G49563	ZALL-22-36
G38615	ZBIS-10-61-58	G48192	KCFW-5.0-18/38-110-RB-ANL0-HC	G49564	ZALL-22-60
G38616	ZBIS-12-45-41	G48193	KSAW-4.0-18/35-110-RB-SHTL-HC	G49565	ZALL-22-72
G38617	ZBIS-12-45-58	G48194	KSAW-5.0-18/38-110-RB-SHTL-HC	G49566	ZALL-22-96
G38618	ZBIS-12-61-41	G48402	TFFB-22-82-ZT	G49567	ZALL-24-36
G42367	ATB5-35-40-4-4.0	G48403	TFFB-22-96-ZT	G49568	ZALL-24-60
G42369	ATB5-35-40-4-2.0	G48404	TFFB-22-111-ZT	G49569	ZALL-24-72
G42370	ATB5-35-40-4-6.0	G48405	TFFB-22-125-ZT	G49570	KCFW-5.0-38-45-RB
G42371	ATB5-35-40-5-2.0	G48406	TFFB-22-140-ZT	G49675	ZALB-30-70
G42373	ATB5-35-40-5-6.0	G48407	TFFB-24-82-ZT	G49676	ZALB-30-84
G42374	ATB5-35-40-6-6.0	G48408	TFFB-24-96-ZT	G49677	ZALB-30-108
G42406	IMWCE-35-2-3	G48409	TFFB-24-111-ZT	G49678	ZALB-30-118
G42408	IMWCE-35-3-3	G48410	TFFB-24-125-ZT	G49679	ZALB-30-128
G42409	IMWCE-35-3-4	G48411	TFFB-24-140-ZT	G49681	ZALB-28-70
G42410	IMWCE-35-3-5	G48412	TFFB-26-82-ZT	G49682	ZALB-28-84
G42414	IMWCE-35-4-3	G48413	TFFB-26-96-ZT	G49683	ZALB-28-98
G42419	IMWCE-35-5-3	G48414	TFFB-26-111-ZT	G49684	ZALB-28-108
G42423	IMWCE-35-5-8	G48415	TFFB-26-125-ZT	G49685	ZALB-28-118
G42448	IMWCE-38-2-3	G48416	TFFB-26-140-ZT	G49686	ZALB-28-128
G42451	IMWCE-38-3-5	G48417	TFFB-28-82-ZT	G49688	ZALB-32-70
G42454	IMWCE-38-4-3	G48418	TFFB-28-96-ZT	G49689	ZALB-32-98
G42458	IMWCE-38-5-3	G48419	TFFB-28-111-ZT	G49690	ZALB-32-108
G42460	IMWCE-38-5-5	G48420	TFFB-28-125-ZT	G49691	ZALB-32-128
G42463	IMWCE-38-5-8	G48421	TFFB-28-140-ZT	G49692	ZALB-32-118
G42465	IMWCE-38-5-10	G48422	TFFB-30-82-ZT	G49695	ZALB-30-98
G42466	IMWCE-38-5-12	G48423	TFFB-30-96-ZT	G50001	CXI-2.6-18-150-P-NS-0
G42467	IMWCE-38-5-15	G48424	TFFB-30-111-ZT	G50002	CXI-2.6-18-90-P-NS-ANG
G42472	IMWCE-38-8-5	G48425	TFFB-30-125-ZT	G50003	CXI-2.6-18-150-P-NS-ANG
G42475	IMWCE-38-8-10	G48426	TFFB-30-140-ZT	G50004	CXI-2.6-18-90-P-NS-0
G42477	IMWCE-38-8-15	G48427	TFFB-32-82-ZT	G50141	KSAW-6.0-38-110-RB-SHTL-HC
G42487	IMWCE-38-15-15	G48428	TFFB-32-96-ZT	G50215	PTA4-18-80-3-2
G43120	SCBR5.0-38-100-P-NS-RVC	G48429	TFFB-32-111-ZT	G50216	PTA4-18-135-3-2
G43342	HNB8.0-35-80-Y-6S-VOTT	G48430	TFFB-32-125-ZT	G50217	PTA4-18-80-3-4
G43343	HNB8.0-35-120-Y-6S-VOTT	G48431	TFFB-32-140-ZT	G50218	PTA4-18-135-3-4
G43869	MPIS-501-U-SST	G48432	TFFB-36-95-ZT	G50219	PTA4-18-80-3-6
G43870	MPIS-501-NT-SST	G48433	TFFB-36-113-ZT	G50220	PTA4-18-135-3-6
G43871	MPIS-501-NT-U-SST	G48434	TFFB-36-131-ZT	G50221	PTA4-18-80-3-8
G43872	MPIS-505-SST	G48435	TFFB-36-149-ZT	G50222	PTA4-18-135-3-8
G44142	ATB5-35-40-12-4.0	G48524	ZALL-12-120	G50223	PTA4-18-80-3-10

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G50224	PTA4-18-135-3-10	G50459	ZIVX5-125-6-4.0	G51582	CXC4.8-3.7-35-150-P-NS-0
G50225	PTA4-18-80-4-2	G50460	ZIVX5-125-6-6.0	G51583	CXC3.4-2.2-18-135-P-NS-0
G50226	PTA4-18-135-4-2	G50461	ZIVX5-125-6-8.0	G51835	INDY-8.0-35-55-40
G50227	PTA4-18-80-4-4	G50463	ZIVX5-125-7-3.0	G51836	INDY-8.0-35-100-40
G50228	PTA4-18-135-4-4	G50464	ZIVX5-125-7-4.0	G51849	ZFV6-125-10-14.0
G50229	PTA4-18-80-4-6	G50465	ZIVX5-125-7-6.0	G51851	ZFV6-125-10-12.0
G50230	PTA4-18-135-4-6	G50466	ZIVX5-125-7-8.0	G51852	ZFV6-125-10-10.0
G50231	PTA4-18-80-4-8	G50468	ZIVX5-125-8-3.0	G51853	ZFV6-125-10-8.0
G50232	PTA4-18-80-4-10	G50469	ZIVX5-125-8-4.0	G51854	ZFV6-125-10-6.0
G50233	PTA4-18-135-4-10	G50470	ZIVX5-125-8-6.0	G51855	ZFV6-80-5-2.0
G50234	PTA4-18-80-5-2	G50471	ZIVX5-125-8-8.0	G51856	ZFV6-125-10-4.0
G50235	PTA4-18-135-5-2	G50473	ZIVX5-125-9-3.0	G51857	ZFV6-80-5-3.0
G50236	PTA4-18-80-5-4	G50474	ZIVX5-125-9-4.0	G51858	ZFV6-125-10-3.0
G50237	PTA4-18-135-5-4	G50475	ZIVX5-125-9-6.0	G51859	ZFV6-80-5-4.0
G50238	PTA4-18-80-5-6	G50476	ZIVX5-125-9-8.0	G51860	ZFV6-80-5-6.0
G50239	PTA4-18-135-5-6	G50478	ZIVX5-125-10-3.0	G51861	ZFV6-125-10-2.0
G50240	PTA4-18-80-5-8	G50479	ZIVX5-125-10-4.0	G51862	ZFV6-80-5-8.0
G50241	PTA4-18-135-5-8	G50480	ZIVX5-125-10-6.0	G51863	ZFV6-125-9-14.0
G50242	PTA4-18-80-5-10	G50782	CMW-14-135-6G	G51864	ZFV6-80-5-10.0
G50243	PTA4-18-135-5-10	G50783	CMW-14-135-12G	G51865	ZFV6-125-9-12.0
G50244	PTA4-18-80-6-2	G50784	CMW-14-135-18G	G51866	ZFV6-80-5-12.0
G50245	PTA4-18-135-6-2	G50785	CMW-14-135-25G	G51867	ZFV6-125-9-10.0
G50246	PTA4-18-80-6-4	G50786	CMW-14-190-6G	G51868	ZFV6-80-5-14.0
G50247	PTA4-18-135-6-4	G50787	CMW-14-190-12G	G51869	ZFV6-125-9-8.0
G50248	PTA4-18-80-6-6	G50788	CMW-14-190-18G	G51870	ZFV6-80-6-2.0
G50249	PTA4-18-135-6-6	G50789	CMW-14-190-25G	G51871	ZFV6-80-6-3.0
G50250	PTA4-18-80-6-8	G50790	CMW-14-300-6G	G51872	ZFV6-125-9-6.0
G50251	PTA4-18-135-6-8	G50791	CMW-14-300-12G	G51873	ZFV6-80-6-4.0
G50252	PTA4-18-80-6-10	G50792	CMW-14-300-18G	G51874	ZFV6-125-9-4.0
G50253	PTA4-18-135-6-10	G50793	CMW-14-300-25G	G51875	ZFV6-80-6-6.0
G50254	PTA4-18-80-7-2	G50900	ZALL-10-48	G51876	ZFV6-125-9-3.0
G50255	PTA4-18-135-7-2	G50901	ZALL-10-84	G51877	ZFV6-80-6-8.0
G50256	PTA4-18-80-7-4	G50902	ZALL-12-48	G51878	ZFV6-125-8-14.0
G50257	PTA4-18-135-7-4	G50903	ZALL-12-84	G51879	ZFV6-80-6-10.0
G50258	PTA4-18-80-7-6	G50904	ZALL-14-48	G51880	ZFV6-80-6-12.0
G50259	PTA4-18-135-7-6	G50905	ZALL-14-84	G51881	ZFV6-125-9-2.0
G50260	PTA4-18-80-7-8	G50906	ZALL-16-48	G51882	ZFV6-80-6-14.0
G50262	PTA4-18-135-7-8	G50907	ZALL-16-84	G51883	ZFV6-125-8-12.0
G50263	PTA4-18-80-7-10	G50908	ZALL-18-48	G51884	ZFV6-80-7-2.0
G50264	PTA4-18-135-7-10	G50909	ZALL-18-84	G51885	ZFV6-125-8-10.0
G50265	PTA4-18-80-8-2	G50910	ZALL-20-48	G51886	ZFV6-80-7-3.0
G50267	PTA4-18-80-8-4	G50911	ZALL-20-84	G51887	ZFV6-125-8-8.0
G50269	PTA4-18-80-8-6	G50912	ZALL-22-48	G51888	ZFV6-80-7-4.0
G50271	PTA4-18-80-8-8	G50913	ZALL-22-84	G51889	ZFV6-80-7-6.0
G50273	PTA4-18-80-8-10	G50914	ZALL-24-48	G51890	ZFV6-125-8-6.0
G50313	PTAX4-14-170-2-2	G50915	ZALL-24-84	G51891	ZFV6-80-7-8.0
G50314	PTAX4-14-170-2-4	G51133	PTA4-18-135-4-10-PTX	G51892	ZFV6-125-8-4.0
G50315	PTAX4-14-170-2-6	G51135	PTA4-18-135-5-10-PTX	G51893	ZFV6-80-7-10.0
G50316	PTAX4-14-170-2-8	G51137	PTA4-18-135-6-10-PTX	G51894	ZFV6-125-8-3.0
G50317	PTAX4-14-170-2-12	G51303	HNBR4.0-35-100-P-NS-DAV	G51895	ZFV6-80-7-12.0
G50318	PTAX4-14-170-2-16	G51308	HNBR4.0-35-100-P-NS-H1	G51896	ZFV6-125-8-2.0
G50319	PTAX4-14-170-2-20	G51310	HNBR4.0-35-100-P-NS-KMP	G51897	ZFV6-80-7-14.0
G50320	PTAX4-14-170-2-5-2	G51311	HNBR4.0-35-100-P-NS-SIM2	G51898	ZFV6-80-8-2.0
G50321	PTAX4-14-170-2-5-4	G51313	HNBR4.0-35-65-P-NS-C2	G51899	ZFV6-125-7-14.0
G50322	PTAX4-14-170-2-5-6	G51315	HNBR4.0-35-65-P-NS-RIM	G51900	ZFV6-80-8-3.0
G50323	PTAX4-14-170-2-5-8	G51333	ZIV6-35-125-5.0-40-PTX	G51901	ZFV6-125-7-12.0
G50324	PTAX4-14-170-2-5-12	G51334	ZIV6-35-125-5.0-60-PTX	G51902	ZFV6-80-8-4.0
G50325	PTAX4-14-170-2-5-16	G51335	ZIV6-35-125-5.0-80-PTX	G51903	ZFV6-80-8-6.0
G50326	PTAX4-14-170-2-5-20	G51336	ZIV6-35-125-5.0-100-PTX	G51904	ZFV6-125-7-10.0
G50327	PTAX4-14-170-3-2	G51337	ZIV6-35-125-5.0-120-PTX	G51905	ZFV6-80-8-8.0
G50328	PTAX4-14-170-3-4	G51341	ZIV6-35-125-6.0-40-PTX	G51906	ZFV6-125-7-8.0
G50329	PTAX4-14-170-3-6	G51342	ZIV6-35-125-6.0-60-PTX	G51907	ZFV6-80-8-10.0
G50330	PTAX4-14-170-3-8	G51343	ZIV6-35-125-6.0-80-PTX	G51908	ZFV6-80-8-12.0
G50331	PTAX4-14-170-3-12	G51344	ZIV6-35-125-6.0-100-PTX	G51909	ZFV6-125-7-6.0
G50332	PTAX4-14-170-3-16	G51345	ZIV6-35-125-6.0-120-PTX	G51910	ZFV6-80-8-14.0
G50333	PTAX4-14-170-3-20	G51349	ZIV6-35-125-7.0-40-PTX	G51911	ZFV6-125-7-4.0
G50334	PTAX4-14-170-4-2	G51350	ZIV6-35-125-7.0-60-PTX	G51912	ZFV6-125-7-3.0
G50335	PTAX4-14-170-4-4	G51351	ZIV6-35-125-7.0-80-PTX	G51913	ZFV6-125-7-2.0
G50336	PTAX4-14-170-4-6	G51352	ZIV6-35-125-7.0-100-PTX	G51914	ZFV6-125-6-14.0
G50337	PTAX4-14-170-4-8	G51353	ZIV6-35-125-7.0-120-PTX	G51915	ZFV6-80-9-2.0
G50338	PTAX4-14-170-4-12	G51356	ZIV6-35-125-8.0-40-PTX	G51916	ZFV6-80-9-3.0
G50339	PTAX4-14-170-4-16	G51357	ZIV6-35-125-8.0-60-PTX	G51917	ZFV6-80-9-4.0
G50340	PTAX4-14-170-4-20	G51358	ZIV6-35-125-8.0-80-PTX	G51918	ZFV6-125-6-12.0
G50448	ZIVX5-125-4-3.0	G51359	ZIV6-35-125-8.0-100-PTX	G51919	ZFV6-80-9-6.0
G50449	ZIVX5-125-4-4.0	G51360	ZIV6-35-125-8.0-120-PTX	G51920	ZFV6-80-9-8.0
G50450	ZIVX5-125-4-6.0	G51572	CXC3.0-1.9-14-90-P-NS-0	G51921	ZFV6-125-6-10.0
G50451	ZIVX5-125-4-8.0	G51573	CXC3.0-1.9-14-135-P-NS-0	G51922	ZFV6-80-9-10.0
G50453	ZIVX5-125-5-3.0	G51574	CXC3.0-1.9-14-150-P-NS-0	G51923	ZFV6-80-9-12.0
G50454	ZIVX5-125-5-4.0	G51575	CXC3.4-2.2-18-90-P-NS-0	G51925	ZFV6-80-10-2.0
G50455	ZIVX5-125-5-6.0	G51577	CXC3.4-2.2-18-150-P-NS-0	G51926	ZFV6-125-6-8.0
G50456	ZIVX5-125-5-8.0	G51580	CXC4.8-3.7-35-90-P-NS-0	G51927	ZFV6-125-6-6.0
G50458	ZIVX5-125-6-3.0	G51581	CXC4.8-3.7-35-135-P-NS-0	G51928	ZFV6-80-10-3.0

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G51929	ZFV6-80-10-4.0	G52282	PTA5-35-135-8-10.0	G52546	CXI-4.0-35-90-P-NS-0
G51930	ZFV6-125-6-4.0	G52283	PTA5-35-135-8-12.0	G52547	CXI-4.0-35-90-P-NS-DAV
G51931	ZFV6-80-10-6.0	G52284	PTA5-35-135-8-14.0	G52635	ESBE-22-80-T-PF
G51932	ZFV6-125-6-3.0	G52285	PTA5-35-135-9-3.0	G52636	ESBE-24-80-T-PF
G51933	ZFV6-80-10-8.0	G52286	PTA5-35-135-9-4.0	G52637	ESBE-26-80-T-PF
G51934	ZFV6-125-6-2.0	G52287	PTA5-35-135-9-6.0	G52638	ESBE-28-80-T-PF
G51935	ZFV6-80-10-10.0	G52288	PTA5-35-135-9-8.0	G52639	ESBE-30-80-T-PF
G51936	ZFV6-125-5-14.0	G52289	PTA5-35-135-9-10.0	G52640	ESBE-32-80-T-PF
G51937	ZFV6-80-10-12.0	G52290	PTA5-35-135-9-12.0	G52641	ESBE-34-77-T-PF
G51938	ZFV6-125-5-12.0	G52291	PTA5-35-135-9-14.0	G52642	ESBE-36-77-T-PF
G51939	ZFV6-80-10-14.0	G52292	PTA5-35-135-10-3.0	G52643	ESBE-38-77-T-PF
G51940	ZFV6-125-5-10.0	G52293	PTA5-35-135-10-4.0	G52644	ESBE-40-81-T-PF
G51943	ZFV6-125-5-8.0	G52294	PTA5-35-135-10-6.0	G52645	ESBE-42-81-T-PF
G51944	ZFV6-125-5-4.0	G52295	PTA5-35-135-10-8.0	G52646	TBE-22-80-PF
G51945	ZFV6-125-5-6.0	G52296	PTA5-35-135-10-10.0	G52647	TBE-24-80-PF
G51975	ZALB-22-70	G52297	PTA5-35-135-10-12.0	G52648	TBE-26-80-PF
G51976	ZALB-22-84	G52298	PTA5-35-135-10-14.0	G52649	TBE-28-80-PF
G51977	ZALB-22-98	G52299	PTA5-35-135-12-4.0	G52650	TBE-30-80-PF
G51978	ZALB-22-108	G52300	PTA5-35-135-12-8.0	G52651	TBE-32-80-PF
G51979	ZALB-22-118	G52301	PTA5-35-135-12-10.0	G52652	TBE-34-77-PF
G51980	ZALB-22-128	G52302	PTA5-35-135-12-12.0	G52653	TBE-36-77-PF
G51981	ZALB-24-70	G52303	PTA5-35-135-12-14.0	G52654	TBE-38-77-PF
G51982	ZALB-24-84	G52325	PTA5-35-80-3-2.0	G52655	TBE-40-81-PF
G51983	ZALB-24-98	G52326	PTA5-35-80-3-4.0	G52656	TBE-42-81-PF
G51984	ZALB-24-108	G52327	PTA5-35-80-3-8.0	G52657	ZTEG-2P-22-115-PF
G51985	ZALB-24-118	G52328	PTA5-35-80-3-10.0	G52659	ZTEG-2D-28-147-PF
G51986	ZALB-24-128	G52329	PTA5-35-80-3-12.0	G52660	ZTEG-2D-28-207-PF
G51987	ZALB-26-70	G52330	PTA5-35-80-3-14.0	G52662	ZTEG-2P-24-115-PF
G51988	ZALB-26-84	G52331	PTA5-35-80-4-2.0	G52663	ZTEG-2D-30-207-PF
G51989	ZALB-26-98	G52332	PTA5-35-80-4-4.0	G52664	ZTEG-2P-26-134-PF
G51990	ZALB-26-108	G52333	PTA5-35-80-4-8.0	G52666	ZTEG-2D-32-147-PF
G51991	ZALB-26-118	G52334	PTA5-35-80-4-10.0	G52667	ZTEG-2P-28-120-PF
G51992	ZALB-26-128	G52335	PTA5-35-80-4-12.0	G52668	ZTEG-2D-32-207-PF
G52016	ZVT7-35-120-14-6.0	G52336	PTA5-35-80-4-14.0	G52669	ZTEG-2D-34-136-PF
G52017	ZVT7-35-120-14-14.0	G52337	PTA5-35-80-5-2.0	G52670	ZTEG-2P-28-140-PF
G52018	ZVT7-35-120-14-10.0	G52338	PTA5-35-80-5-4.0	G52671	ZTEG-2D-34-186-PF
G52019	ZVT7-35-120-16-6.0	G52339	PTA5-35-80-5-6.0	G52672	ZTEG-2D-36-136-PF
G52020	ZVT7-35-120-16-14.0	G52340	PTA5-35-80-5-8.0	G52673	ZTEG-2D-36-186-PF
G52021	ZVT7-35-120-16-10.0	G52341	PTA5-35-80-5-10.0	G52674	ZTEG-2D-38-136-PF
G52022	ZVT7-35-80-14-6.0	G52342	PTA5-35-80-5-12.0	G52675	ZTEG-2D-38-186-PF
G52023	ZVT7-35-80-14-10.0	G52343	PTA5-35-80-5-14.0	G52676	ZTEG-2P-28-200-PF
G52024	ZVT7-35-80-14-14.0	G52344	PTA5-35-80-6-2.0	G52677	ZTEG-2D-40-144-PF
G52025	ZVT7-35-80-16-14.0	G52345	PTA5-35-80-6-4.0	G52678	ZTEG-2P-30-120-PF
G52026	ZVT7-35-80-16-10.0	G52346	PTA5-35-80-6-6.0	G52679	ZTEG-2D-40-198-PF
G52027	ZVT7-35-80-16-6.0	G52347	PTA5-35-80-6-8.0	G52680	ZTEG-2D-42-144-PF
G52245	PTA5-35-135-3-2.0	G52348	PTA5-35-80-6-10.0	G52681	ZTEG-2D-42-198-PF
G52246	PTA5-35-135-3-4.0	G52349	PTA5-35-80-6-12.0	G52682	ZTEG-2P-30-140-PF
G52247	PTA5-35-135-3-8.0	G52350	PTA5-35-80-6-14.0	G52683	ZTEG-2P-30-200-PF
G52248	PTA5-35-135-3-10.0	G52351	PTA5-35-80-7-2.0	G52684	ZTEG-2P-32-120-PF
G52249	PTA5-35-135-3-12.0	G52352	PTA5-35-80-7-4.0	G52685	ZTEG-2P-32-140-PF
G52250	PTA5-35-135-3-14.0	G52353	PTA5-35-80-7-6.0	G52686	ZTEG-2P-32-200-PF
G52251	PTA5-35-135-4-2.0	G52354	PTA5-35-80-7-8.0	G52687	ZTEG-2P-34-127-PF
G52252	PTA5-35-135-4-4.0	G52355	PTA5-35-80-7-10.0	G52688	ZTEG-2P-34-152-PF
G52253	PTA5-35-135-4-8.0	G52356	PTA5-35-80-7-12.0	G52689	ZTEG-2P-34-202-PF
G52254	PTA5-35-135-4-10.0	G52357	PTA5-35-80-7-14.0	G52690	ZTEG-2P-36-127-PF
G52255	PTA5-35-135-4-12.0	G52358	PTA5-35-80-8-2.0	G52691	ZTEG-2P-36-152-PF
G52256	PTA5-35-135-4-14.0	G52359	PTA5-35-80-8-4.0	G52692	ZTEG-2P-36-202-PF
G52257	PTA5-35-135-5-2.0	G52360	PTA5-35-80-8-6.0	G52693	ZTEG-2P-38-127-PF
G52258	PTA5-35-135-5-4.0	G52361	PTA5-35-80-8-8.0	G52694	ZTEG-2P-38-152-PF
G52259	PTA5-35-135-5-6.0	G52362	PTA5-35-80-8-10.0	G52695	ZTEG-2P-38-202-PF
G52260	PTA5-35-135-5-8.0	G52363	PTA5-35-80-8-12.0	G52697	ZTEG-2P-40-135-PF
G52261	PTA5-35-135-5-10.0	G52364	PTA5-35-80-8-14.0	G52698	ZTEG-2P-40-162-PF
G52262	PTA5-35-135-5-12.0	G52365	PTA5-35-80-9-3.0	G52699	ZTEG-2P-40-216-PF
G52263	PTA5-35-135-5-14.0	G52366	PTA5-35-80-9-4.0	G52701	ZTEG-2P-42-135-PF
G52264	PTA5-35-135-6-2.0	G52367	PTA5-35-80-9-6.0	G52702	ZTEG-2P-42-162-PF
G52265	PTA5-35-135-6-4.0	G52368	PTA5-35-80-9-8.0	G52703	ZTEG-2P-42-216-PF
G52266	PTA5-35-135-6-6.0	G52369	PTA5-35-80-9-10.0	G52704	ZTEG-2PT-32-160-PF
G52267	PTA5-35-135-6-8.0	G52370	PTA5-35-80-9-12.0	G52705	ZTEG-2PT-32-200-PF
G52268	PTA5-35-135-6-10.0	G52371	PTA5-35-80-9-14.0	G52706	ZTEG-2PT-34-157-PF
G52269	PTA5-35-135-6-12.0	G52372	PTA5-35-80-10-3.0	G52707	ZTEG-2PT-34-197-PF
G52270	PTA5-35-135-6-14.0	G52373	PTA5-35-80-10-4.0	G52708	ZTEG-2PT-36-157-PF
G52271	PTA5-35-135-7-2.0	G52374	PTA5-35-80-10-6.0	G52709	ZTEG-2PT-36-197-PF
G52272	PTA5-35-135-7-4.0	G52375	PTA5-35-80-10-8.0	G52711	ZTEG-2PT-38-152-PF
G52273	PTA5-35-135-7-6.0	G52376	PTA5-35-80-10-10.0	G52713	ZTEG-2PT-38-202-PF
G52274	PTA5-35-135-7-8.0	G52377	PTA5-35-80-10-12.0	G52715	ZTEG-2PT-40-158-PF
G52275	PTA5-35-135-7-10.0	G52378	PTA5-35-80-10-14.0	G52717	ZTEG-2PT-40-208-PF
G52276	PTA5-35-135-7-12.0	G52379	PTA5-35-80-12-4.0	G52718	ZTEG-2PT-42-158-PF
G52277	PTA5-35-135-7-14.0	G52380	PTA5-35-80-12-8.0	G52719	ZTEG-2PT-42-208-PF
G52278	PTA5-35-135-8-2.0	G52542	CXI-4.0-35-135-P-NS-0	G52728	ZTEG-2D-30-147-PF
G52279	PTA5-35-135-8-4.0	G52543	CXI-4.0-35-135-P-NS-DAV	G52731	MWCE-18-3-2-NESTER
G52280	PTA5-35-135-8-6.0	G52544	CXI-4.0-35-150-P-NS-0	G52732	MWCE-18-3-3-NESTER
G52281	PTA5-35-135-8-8.0	G52545	CXI-4.0-35-150-P-NS-DAV	G52733	MWCE-18-5-2-NESTER

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G52734	MWCE-18-5-3-NESTER	G53967	TSCMG-35-260- E-LESDC	G55305	ZIV6-35-80-7.0-120-PTX
G52735	MWCE-18-7-2-NESTER	G53971	TSCMG-35-300- E-LESDC	G56219	KCFW-4.0-35-70-RB-HFANL0-HC
G52736	MWCE-18-7-3-NESTER	G54500	DCS-18SF-12-30-HL-J	G56220	KCFW-5.0-35-70-RB-HFANL0-HC
G52737	MWCE-18-7-4-NESTER	G54501	DCS-18SF-5-12-HL-spiral	G56221	KCFW-6.0-35-70-RB-HFANL0-HC
G52738	MWCE-18-7-6-NESTER	G54502	DCS-18SF-6-15-HL-spiral	G56222	KCFW-7.0-35-70-RB-HFANL0-HC
G52739	MWCE-18-7-8-NESTER	G54503	DCS-18SF-8-30-HL-spiral	G56223	KCFW-8.0-35-70-RB-HFANL0-HC
G52741	MWCE-18-7-10-NESTER	G54505	DCS-18SF-10-30-HL-spiral	G56224	KCFW-4.0-35-70-RB-HFANL1-HC
G52742	MWCE-35-7-4-NESTER	G54507	DCS-18SF-12-30-HL-spiral	G56225	KCFW-5.0-35-70-RB-HFANL1-HC
G52743	MWCE-35-7-6-NESTER	G54508	DCS-18SF-14-30-HL-spiral	G56226	KCFW-6.0-35-70-RB-HFANL1-HC
G52744	MWCE-35-7-8-NESTER	G54509	DCS-18SF-16-30-HL-spiral	G56227	KCFW-7.0-35-70-RB-HFANL1-HC
G52745	MWCE-35-7-10-NESTER	G54510	DCS-18SF-18-30-HL-spiral	G56228	KCFW-8.0-35-70-RB-HFANL1-HC
G52746	MWCE-35-7-12-NESTER	G54511	DCS-18SF-20-30-HL-spiral	G56229	KCFW-4.0-35-55-RB-HFANL0-HC
G52747	MWCE-35-7-14-NESTER	G54529	MCS-2.5-NT-100-15-HP	G56230	KCFW-5.0-35-55-RB-HFANL0-HC
G52748	MWCE-35-7-16-NESTER	G54530	MCS-2.5-NT-110-15-HP	G56231	KCFW-6.0-35-55-RB-HFANL0-HC
G52749	NWCE-35-7-18-NESTER	G54531	MCS-2.5-NT-135-15-HP	G56232	KCFW-7.0-35-55-RB-HFANL0-HC
G52750	MWCE-35-7-20-NESTER	G54532	MCS-2.5-NT-150-15-HP	G56233	KCFW-8.0-35-55-RB-HFANL0-HC
G52751	MWCE-35-14-14-NESTER	G54533	MCS-2.8-NT-100-15-HP	G56234	KCFW-4.0-35-55-RB-HFANL1-HC
G52753	MWCE-35-14-18-NESTER	G54534	MCS-2.8-NT-110-15-HP	G56235	KCFW-5.0-35-55-RB-HFANL1-HC
G52754	MWCE-35-14-20-NESTER	G54535	MCS-2.8-NT-135-15-HP	G56236	KCFW-6.0-35-55-RB-HFANL1-HC
G52756	MWCE-35-20-20-NESTER	G54536	MCS-2.8-NT-150-15-HP	G56278	KCFW-10.0-35-45-RB-HFANL0-HC
G52833	JCDS-14-EDS-HC	G54759	DCS-18SF-3-6-HL-spiral	G56279	KCFW-12.0-35-45-RB-HFANL0-HC
G52834	JCDS-1618-EDS-HC	G54760	DCS-18SF-3-9-HL-spiral	G56340	HNBR4.0-35-100-P-NS-C1
G52835	JCDS-2022-EDS-HC	G54761	DCS-18SF-4-6-HL-spiral	G56341	HNBR4.0-35-100-P-NS-C2
G52836	JCDS-2426-EDS-HC	G54762	DCS-18SF-4-10-HL-spiral	G56350	HNBR4.0-35-100-P-NS-MPA
G52842	ZFV6-80-5-17.0	G54763	DCS-18SF-5-7-HL-spiral	G56357	HNBR4.0-35-125-P-NS-H1
G52843	ZFV6-80-5-20.0	G54764	DCS-18SF-6-10-HL-spiral	G56358	HNBR4.0-35-125-P-NS-JB1
G52844	ZFV6-80-6-17.0	G54765	DCS-18SF-8-10-HL-spiral	G56360	HNBR4.0-35-125-P-NS-MPA
G52845	ZFV6-80-6-20.0	G54766	DCS-18SF-8-20-HL-spiral	G56361	HNBR4.0-35-125-P-NS-SIM2
G52846	ZFV6-80-7-17.0	G54768	DCS-18SF-10-20-HL-spiral	G56362	HNBR4.0-35-125-P-NS-VERT
G52847	ZFV6-80-7-20.0	G54781	DCS-18SF-4-25-HL-J	G56371	HNBR4.0-35-65-P-NS-MPA
G52848	ZFV6-80-8-17.0	G54783	DCS-18SF-6-25-HL-J	G56372	HNBR4.0-35-65-P-NS-RC1
G52849	ZFV6-80-8-20.0	G54785	DCS-18SF-8-25-HL-J	G56375	HNBR4.0-35-65-P-NS-SIM1
G52850	ZFV6-125-5-17.0	G54786	DCS-18SF-10-30-HL-J	G56633	FOV418-18-80-3-12
G52851	ZFV6-125-5-20.0	G55218	ZSLE-9-39-ZT	G56634	FOV418-18-135-3-12
G52852	ZFV6-125-6-17.0	G55219	ZSLE-9-56-ZT	G56635	FOV418-18-80-3-16
G52853	ZFV6-125-6-20.0	G55220	ZSLE-9-74-ZT	G56636	FOV418-18-135-3-16
G52854	ZFV6-125-7-17.0	G55221	ZSLE-9-90-ZT	G56637	FOV418-18-80-3-20
G52855	ZFV6-125-7-20.0	G55222	ZSLE-9-107-ZT	G56638	FOV418-18-135-3-20
G52856	ZFV6-125-8-17.0	G55223	ZSLE-9-122-ZT	G56639	FOV418-18-80-3-24
G52857	ZFV6-125-8-20.0	G55224	ZSLE-11-39-ZT	G56640	FOV418-18-135-3-24
G52919	IGTCFS-65-2-JUG-CELECT	G55225	ZSLE-11-56-ZT	G56641	FOV418-18-80-3-30
G52920	IGTCFS-65-2-FEM-CELECT	G55226	ZSLE-11-74-ZT	G56642	FOV418-18-135-3-30
G52921	IGTCFS-65-2-UNI-CELECT	G55227	ZSLE-11-90-ZT	G56643	FOV418-18-80-4-12
G52924	IGTCFS-65-2-JUG-TULIP	G55228	ZSLE-11-107-ZT	G56644	FOV418-18-135-4-12
G52925	IGTCFS-65-2-FEM-TULIP	G55229	ZSLE-11-122-ZT	G56645	FOV418-18-80-4-16
G52926	IGTCFS-65-2-UNI-TULIP	G55230	ZSLE-13-39-ZT	G56646	FOV418-18-135-4-16
G52931	PTA4-18-135-3-2-PTX	G55231	ZSLE-13-56-ZT	G56647	FOV418-18-80-4-20
G52937	HMW-14-135-ST	G55232	ZSLE-13-74-ZT	G56648	FOV418-18-135-4-20
G52938	HMW-14-190-ST	G55233	ZSLE-13-90-ZT	G56649	FOV418-18-80-4-24
G52939	HMW-14-300-ST	G55234	ZSLE-13-107-ZT	G56651	FOV418-18-80-4-30
G52979	IMWCE-35-20-15	G55235	ZSLE-13-122-ZT	G56652	FOV418-18-135-4-30
G52980	IMWCE-35-10-20	G55236	ZSLE-16-39-ZT	G56653	FOV418-18-80-5-12
G52983	IMWCE-38-15-30	G55237	ZSLE-16-56-ZT	G56654	FOV418-18-135-5-12
G52984	IMWCE-38-16-45	G55238	ZSLE-16-74-ZT	G56655	FOV418-18-80-5-16
G53025	CODA-2-10.0-35-120-40*	G55239	ZSLE-16-90-ZT	G56656	FOV418-18-135-5-16
G53258	PTA4-18-135-3-4-PTX	G55240	ZSLE-20-39-ZT	G56657	FOV418-18-80-5-20
G53260	PTA4-18-135-3-8-PTX	G55241	ZSLE-20-56-ZT	G56658	FOV418-18-135-5-20
G53261	PTA4-18-135-3-10-PTX	G55242	ZSLE-20-74-ZT	G56659	FOV418-18-80-5-24
G53262	PTA4-18-135-4-2-PTX	G55243	ZSLE-20-90-ZT	G56661	FOV418-18-80-5-30
G53263	PTA4-18-135-4-4-PTX	G55244	ZSLE-24-39-ZT	G56662	FOV418-18-135-5-30
G53265	PTA4-18-135-5-2-PTX	G55245	ZSLE-24-56-ZT	G56663	FOV418-18-80-6-12
G53266	PTA4-18-135-5-4-PTX	G55246	ZSLE-24-74-ZT	G56664	FOV418-18-135-6-12
G53267	PTA4-18-135-5-8-PTX	G55247	ZSLE-24-90-ZT	G56665	FOV418-18-80-6-16
G53268	PTA4-18-135-6-2-PTX	G55271	ZIV6-35-80-8.0-120-PTX	G56666	FOV418-18-135-6-16
G53269	PTA4-18-135-6-4-PTX	G55272	ZIV6-35-80-8.0-60-PTX	G56667	FOV418-18-80-6-20
G53270	PTA4-18-135-6-8-PTX	G55273	ZIV6-35-80-8.0-80-PTX	G56668	FOV418-18-135-6-20
G53271	PTA4-18-135-7-2-PTX	G55274	ZIV6-35-80-8.0-100-PTX	G56669	FOV418-18-80-6-24
G53272	PTA4-18-135-7-4-PTX	G55284	ZIV6-35-80-5.0-40-PTX	G56670	FOV418-18-135-6-24
G53274	PTA4-18-135-7-8-PTX	G55285	ZIV6-35-80-5.0-60-PTX	G56671	FOV418-18-80-6-30
G53275	PTA4-18-135-7-10-PTX	G55286	ZIV6-35-80-5.0-80-PTX	G56672	FOV418-18-135-6-30
G53276	PTA4-18-135-8-2-PTX	G55287	ZIV6-35-80-5.0-100-PTX	G56673	FOV418-18-80-7-12
G53277	PTA4-18-135-8-4-PTX	G55288	ZIV6-35-80-5.0-120-PTX	G56674	FOV418-18-135-7-12
G53279	PTA4-18-135-8-8-PTX	G55291	ZIV6-35-80-6.0-40-PTX	G56675	FOV418-18-80-7-16
G53280	PTA4-18-135-8-10-PTX	G55292	ZIV6-35-80-6.0-60-PTX	G56677	FOV418-18-80-7-20
G53281	PTA4-18-135-4-8-PTX	G55293	ZIV6-35-80-6.0-80-PTX	G56679	FOV418-18-80-7-24
G53574	JCD5.0-18-10.0-MPIS-SC-SST	G55294	ZIV6-35-80-6.0-100-PTX	G56680	FOV418-18-135-7-24
G53575	JCD4.0-18-10.0-MPIS-SC-SST	G55295	ZIV6-35-80-6.0-120-PTX	G56681	FOV418-18-80-7-30
G53759	HNBR4.0-35-100-P-NS-JB1	G55298	ZIV6-35-80-8.0-40-PTX	G56682	FOV418-18-135-7-30
G53760	HNBR4.0-35-100-P-NS-JB2	G55301	ZIV6-35-80-7.0-40-PTX	G56683	FOV418-18-80-8-12
G53761	HNBR4.0-35-100-P-NS-SIM1	G55302	ZIV6-35-80-7.0-60-PTX	G56684	FOV418-18-135-8-12
G53762	HNBR4.0-35-100-P-NS-VERT	G55303	ZIV6-35-80-7.0-80-PTX	G56685	FOV418-18-80-8-16
G53763	HNBR4.0-35-65-P-NS-C1	G55304	ZIV6-35-80-7.0-100-PTX	G56686	FOV418-18-135-8-16

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G56687	FOV418-18-80-8-20
G56688	FOV418-18-135-8-20
G56689	FOV418-18-80-8-24
G56690	FOV418-18-135-8-24
G56691	FOV418-18-80-8-30
G56692	FOV418-18-135-8-30
G56717	FOV535-35-80-4-12
G56719	FOV535-35-80-4-20
G56725	FOV535-35-80-4-30
G56726	FOV535-35-80-4-40
G56727	FOV535-35-80-4-60
G56728	FOV535-35-80-5-12
G56730	FOV535-35-80-5-20
G56732	FOV535-35-80-5-30
G56733	FOV535-35-80-5-40
G56737	FOV535-35-80-5-60
G56738	FOV535-35-80-6-12
G56740	FOV535-35-80-6-20
G56742	FOV535-35-80-6-30
G56743	FOV535-35-80-6-40
G56744	FOV535-35-80-6-60
G56747	FOV535-35-80-7-20
G56749	FOV535-35-80-7-30
G56750	FOV535-35-80-7-40
G56751	FOV535-35-80-7-60
G56752	FOV535-35-80-8-12
G56754	FOV535-35-80-8-20
G56756	FOV535-35-80-8-30
G56757	FOV535-35-80-8-40
G56758	FOV535-35-80-8-60
G56759	FOV535-35-80-9-20
G56760	FOV535-35-80-9-30
G56761	FOV535-35-80-9-40
G56762	FOV535-35-80-9-60
G56763	FOV535-35-80-10-20
G56764	FOV535-35-80-10-30
G56765	FOV535-35-80-10-40
G56766	FOV535-35-80-10-60
G56771	FOV535-35-135-4-12
G56773	FOV535-35-135-4-20
G56775	FOV535-35-135-4-30
G56776	FOV535-35-135-4-40
G56778	FOV535-35-135-5-12
G56780	FOV535-35-135-5-20
G56782	FOV535-35-135-5-30
G56783	FOV535-35-135-5-40
G56784	FOV535-35-135-5-60
G56785	FOV535-35-135-6-12
G56787	FOV535-35-135-6-20
G56789	FOV535-35-135-6-30
G56790	FOV535-35-135-6-40
G56791	FOV535-35-135-6-60
G56792	FOV535-35-135-7-12
G56796	FOV535-35-135-7-20
G56798	FOV535-35-135-7-30
G56799	FOV535-35-135-7-40
G56800	FOV535-35-135-7-60
G56801	FOV535-35-135-8-12
G56803	FOV535-35-135-8-20
G56805	FOV535-35-135-8-30
G56806	FOV535-35-135-8-40
G56807	FOV535-35-135-8-60
G56808	FOV535-35-135-9-20
G56809	FOV535-35-135-9-30
G56810	FOV535-35-135-9-40
G56811	FOV535-35-135-9-60
G56812	FOV535-35-135-10-20
G56813	FOV535-35-135-10-30
G56814	FOV535-35-135-10-40
G56815	FOV535-35-135-10-60
G65373	HNBR4.0-35-65-P-NS-RC2

Angioplasty

Balloon Catheters

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Advance® 14LP
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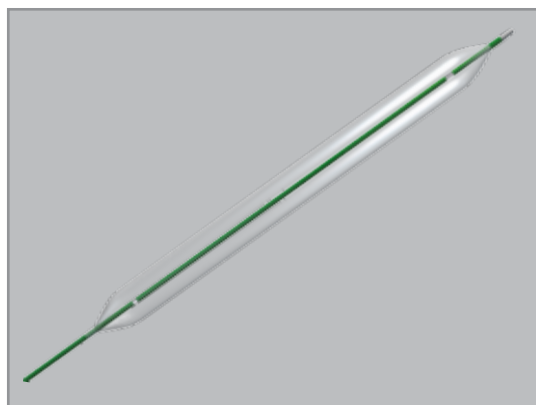
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Flow-Directed Balloon Catheters 41

Drug-Eluting Balloon Catheters

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Inflation Device 43



Advance® 35LP

Low Profile PTA Balloon Dilatation Catheters

- Low Profile design with the first 8 mm x 8 cm balloon to be able to pass through a 5 Fr sheath.
- Pliaform™ surface texture for reduced friction and ease of crossing.
- Starcast™ shoulders for enhanced rewrap.
- Optimized D-lumen shaft for rapid inflation/deflation and superb trackability and pushability.
- Semicompliant balloon.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
80 cm Shaft							
G52325	PTA5-35-80-3-2.0	5.0	.035	3	2	15	80
G52326	PTA5-35-80-3-4.0	5.0	.035	3	4	15	80
G52327	PTA5-35-80-3-8.0	5.0	.035	3	8	15	80
G52328	PTA5-35-80-3-10.0	5.0	.035	3	10	15	80
G52329	PTA5-35-80-3-12.0	5.0	.035	3	12	15	80
G52330	PTA5-35-80-3-14.0	5.0	.035	3	14	15	80
G52331	PTA5-35-80-4-2.0	5.0	.035	4	2	15	80
G52332	PTA5-35-80-4-4.0	5.0	.035	4	4	15	80
G52333	PTA5-35-80-4-8.0	5.0	.035	4	8	15	80
G52334	PTA5-35-80-4-10.0	5.0	.035	4	10	15	80
G52335	PTA5-35-80-4-12.0	5.0	.035	4	12	15	80
G52336	PTA5-35-80-4-14.0	5.0	.035	4	14	15	80
G52337	PTA5-35-80-5-2.0	5.0	.035	5	2	15	80
G52338	PTA5-35-80-5-4.0	5.0	.035	5	4	15	80
G52339	PTA5-35-80-5-6.0	5.0	.035	5	6	15	80
G52340	PTA5-35-80-5-8.0	5.0	.035	5	8	15	80
G52341	PTA5-35-80-5-10.0	5.0	.035	5	10	15	80
G52342	PTA5-35-80-5-12.0	5.0	.035	5	12	15	80
G52343	PTA5-35-80-5-14.0	5.0	.035	5	14	15	80
G52344	PTA5-35-80-6-2.0	5.0	.035	6	2	15	80
G52345	PTA5-35-80-6-4.0	5.0	.035	6	4	15	80
G52346	PTA5-35-80-6-6.0	5.0	.035	6	6	15	80
G52347	PTA5-35-80-6-8.0	5.0	.035	6	8	15	80
G52348	PTA5-35-80-6-10.0	5.0	.035	6	10	15	80
G52349	PTA5-35-80-6-12.0	5.0	.035	6	12	15	80
G52350	PTA5-35-80-6-14.0	5.0	.035	6	14	15	80
G52351	PTA5-35-80-7-2.0	5.0	.035	7	2	12	80
G52352	PTA5-35-80-7-4.0	5.0	.035	7	4	12	80
G52353	PTA5-35-80-7-6.0	5.0	.035	7	6	12	80
G52354	PTA5-35-80-7-8.0	5.0	.035	7	8	12	80
G52355	PTA5-35-80-7-10.0	6.0	.035	7	10	12	80
G52356	PTA5-35-80-7-12.0	6.0	.035	7	12	12	80
G52357	PTA5-35-80-7-14.0	6.0	.035	7	14	12	80
G52358	PTA5-35-80-8-2.0	5.0	.035	8	2	11	80
G52359	PTA5-35-80-8-4.0	5.0	.035	8	4	11	80
G52360	PTA5-35-80-8-6.0	5.0	.035	8	6	11	80

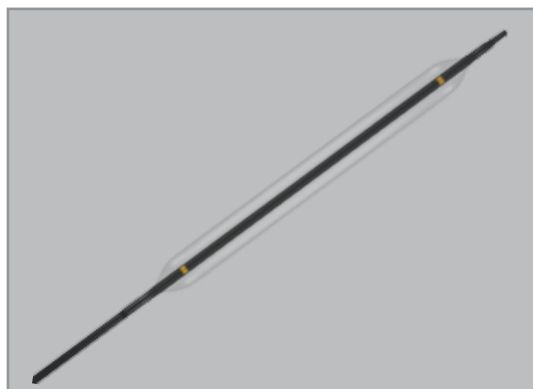
Advance® 35LP Low Profile PTA Balloon Dilatation Catheters (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
G52361	PTA5-35-80-8-8.0	5.0	.035	8	8	11	80
G52362	PTA5-35-80-8-10.0	6.0	.035	8	10	11	80
G52363	PTA5-35-80-8-12.0	6.0	.035	8	12	11	80
G52364	PTA5-35-80-8-14.0	6.0	.035	8	14	11	80
G52365	PTA5-35-80-9-3.0	6.0	.035	9	3	11	80
G52366	PTA5-35-80-9-4.0	6.0	.035	9	4	11	80
G52367	PTA5-35-80-9-6.0	6.0	.035	9	6	11	80
G52368	PTA5-35-80-9-8.0	6.0	.035	9	8	11	80
G52369	PTA5-35-80-9-10.0	6.0	.035	9	10	11	80
G52370	PTA5-35-80-9-12.0	6.0	.035	9	12	11	80
G52371	PTA5-35-80-9-14.0	6.0	.035	9	14	11	80
G52372	PTA5-35-80-10-3.0	6.0	.035	10	3	11	80
G52373	PTA5-35-80-10-4.0	6.0	.035	10	4	11	80
G52374	PTA5-35-80-10-6.0	6.0	.035	10	6	11	80
G52375	PTA5-35-80-10-8.0	6.0	.035	10	8	11	80
G52376	PTA5-35-80-10-10.0	7.0	.035	10	10	11	80
G52377	PTA5-35-80-10-12.0	7.0	.035	10	12	11	80
G52378	PTA5-35-80-10-14.0	7.0	.035	10	14	11	80
G52379	PTA5-35-80-12-4.0	7.0	.035	12	4	8	80
G52380	PTA5-35-80-12-8.0	7.0	.035	12	8	8	80
135 cm Shaft							
G52245	PTA5-35-135-3-2.0	5.0	.035	3	2	15	135
G52246	PTA5-35-135-3-4.0	5.0	.035	3	4	15	135
G52247	PTA5-35-135-3-8.0	5.0	.035	3	8	15	135
G52248	PTA5-35-135-3-10.0	5.0	.035	3	10	15	135
G52249	PTA5-35-135-3-12.0	5.0	.035	3	12	15	135
G52250	PTA5-35-135-3-14.0	5.0	.035	3	14	15	135
G52251	PTA5-35-135-4-2.0	5.0	.035	4	2	15	135
G52252	PTA5-35-135-4-4.0	5.0	.035	4	4	15	135
G52253	PTA5-35-135-4-8.0	5.0	.035	4	8	15	135
G52254	PTA5-35-135-4-10.0	5.0	.035	4	10	15	135
G52255	PTA5-35-135-4-12.0	5.0	.035	4	12	15	135
G52256	PTA5-35-135-4-14.0	5.0	.035	4	14	15	135
G52257	PTA5-35-135-5-2.0	5.0	.035	5	2	15	135
G52258	PTA5-35-135-5-4.0	5.0	.035	5	4	15	135
G52259	PTA5-35-135-5-6.0	5.0	.035	5	6	15	135
G52260	PTA5-35-135-5-8.0	5.0	.035	5	8	15	135
G52261	PTA5-35-135-5-10.0	5.0	.035	5	10	15	135
G52262	PTA5-35-135-5-12.0	5.0	.035	5	12	15	135
G52263	PTA5-35-135-5-14.0	5.0	.035	5	14	15	135
G52264	PTA5-35-135-6-2.0	5.0	.035	6	2	15	135
G52265	PTA5-35-135-6-4.0	5.0	.035	6	4	15	135
G52266	PTA5-35-135-6-6.0	5.0	.035	6	6	15	135
G52267	PTA5-35-135-6-8.0	5.0	.035	6	8	15	135
G52268	PTA5-35-135-6-10.0	5.0	.035	6	10	15	135
G52269	PTA5-35-135-6-12.0	5.0	.035	6	12	15	135

Continued on next page.

Advance® 35LP Low Profile PTA Balloon Dilatation Catheters (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
G52270	PTA5-35-135-6-14.0	5.0	.035	6	14	15	135
G52271	PTA5-35-135-7-2.0	5.0	.035	7	2	12	135
G52272	PTA5-35-135-7-4.0	5.0	.035	7	4	12	135
G52273	PTA5-35-135-7-6.0	5.0	.035	7	6	12	135
G52274	PTA5-35-135-7-8.0	5.0	.035	7	8	12	135
G52275	PTA5-35-135-7-10.0	6.0	.035	7	10	12	135
G52276	PTA5-35-135-7-12.0	6.0	.035	7	12	12	135
G52277	PTA5-35-135-7-14.0	6.0	.035	7	14	12	135
G52278	PTA5-35-135-8-2.0	5.0	.035	8	2	11	135
G52279	PTA5-35-135-8-4.0	5.0	.035	8	4	11	135
G52280	PTA5-35-135-8-6.0	5.0	.035	8	6	11	135
G52281	PTA5-35-135-8-8.0	5.0	.035	8	8	11	135
G52282	PTA5-35-135-8-10.0	6.0	.035	8	10	11	135
G52283	PTA5-35-135-8-12.0	6.0	.035	8	12	11	135
G52284	PTA5-35-135-8-14.0	6.0	.035	8	14	11	135
G52285	PTA5-35-135-9-3.0	6.0	.035	9	3	11	135
G52286	PTA5-35-135-9-4.0	6.0	.035	9	4	11	135
G52287	PTA5-35-135-9-6.0	6.0	.035	9	6	11	135
G52288	PTA5-35-135-9-8.0	6.0	.035	9	8	11	135
G52289	PTA5-35-135-9-10.0	6.0	.035	9	10	11	135
G52290	PTA5-35-135-9-12.0	6.0	.035	9	12	11	135
G52291	PTA5-35-135-9-14.0	6.0	.035	9	14	11	135
G52292	PTA5-35-135-10-3.0	6.0	.035	10	3	11	135
G52293	PTA5-35-135-10-4.0	6.0	.035	10	4	11	135
G52294	PTA5-35-135-10-6.0	6.0	.035	10	6	11	135
G52295	PTA5-35-135-10-8.0	6.0	.035	10	8	11	135
G52296	PTA5-35-135-10-10.0	7.0	.035	10	10	11	135
G52297	PTA5-35-135-10-12.0	7.0	.035	10	12	11	135
G52298	PTA5-35-135-10-14.0	7.0	.035	10	14	11	135
G52299	PTA5-35-135-12-4.0	7.0	.035	12	4	8	135
G52300	PTA5-35-135-12-8.0	7.0	.035	12	8	8	135
G52301	PTA5-35-135-12-10.0	7.0	.035	12	10	8	135
G52302	PTA5-35-135-12-12.0	7.0	.035	12	12	8	135
G52303	PTA5-35-135-12-14.0	7.0	.035	12	14	8	135



Advance ATB®

PTA Dilatation Catheters

- Semicompliant balloon.
- Krylink™ material provides unique rewrap memory for multiple inflations and uniform expansion properties.
- Excellent pushability.
- Gold radiopaque markers.
- Ergonomic Bat Wing™ fitting.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
40 cm Shaft							
G42369	ATB5-35-40-4-2.0	5.0	.035	4	2	15	40
G42367	ATB5-35-40-4-4.0	5.0	.035	4	4	15	40
G42370	ATB5-35-40-4-6.0	5.0	.035	4	6	15	40
G42371	ATB5-35-40-5-2.0	5.0	.035	5	2	15	40
G31251	ATB5-35-40-5-4.0	5.0	.035	5	4	15	40
G42373	ATB5-35-40-5-6.0	5.0	.035	5	6	15	40
G26884	ATB5-35-40-6-2.0	5.0	.035	6	2	15	40
G26885	ATB5-35-40-6-4.0	5.0	.035	6	4	15	40
G42374	ATB5-35-40-6-6.0	5.0	.035	6	6	15	40
G26886	ATB5-35-40-7-2.0	6.0	.035	7	2	15	40
G26887	ATB5-35-40-7-4.0	6.0	.035	7	4	15	40
G31188	ATB5-35-40-7-6.0	6.0	.035	7	6	15	40
G26888	ATB5-35-40-8-2.0	6.0	.035	8	2	15	40
G26889	ATB5-35-40-8-4.0	6.0	.035	8	4	15	40
G31190	ATB5-35-40-8-6.0	7.0	.035	8	6	15	40
G31191	ATB5-35-40-9-4.0	7.0	.035	9	4	14	40
G31192	ATB5-35-40-10-4.0	7.0	.035	10	4	14	40
G44142	ATB5-35-40-12-4.0	7.0	.035	12	4	8	40
G44143	ATB5-35-40-14-4.0	8.0	.035	14	4	8	40
80 cm Shaft							
G26891	ATB5-35-80-4-2.0	5.0	.035	4	2	15	80
G26892	ATB5-35-80-4-4.0	5.0	.035	4	4	15	80
G30213	ATB5-35-80-4-6.0	5.0	.035	4	6	15	80
G26893	ATB5-35-80-5-2.0	5.0	.035	5	2	15	80
G26894	ATB5-35-80-5-4.0	5.0	.035	5	4	15	80
G30216	ATB5-35-80-5-6.0	5.0	.035	5	6	15	80
G31208	ATB5-35-80-5-8.0	5.0	.035	5	8	15	80
G26895	ATB5-35-80-6-2.0	5.0	.035	6	2	15	80
G26896	ATB5-35-80-6-4.0	5.0	.035	6	4	15	80
G26897	ATB5-35-80-6-6.0	5.0	.035	6	6	15	80
G26898	ATB5-35-80-6-8.0	6.0	.035	6	8	15	80
G26899	ATB5-35-80-7-2.0	6.0	.035	7	2	15	80
G26900	ATB5-35-80-7-4.0	6.0	.035	7	4	15	80
G26901	ATB5-35-80-7-6.0	6.0	.035	7	6	15	80
G31211	ATB5-35-80-7-8.0	6.0	.035	7	8	15	80
G26902	ATB5-35-80-8-2.0	6.0	.035	8	2	15	80
G26904	ATB5-35-80-8-4.0	6.0	.035	8	4	15	80

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Advance ATB® PTA Dilatation Catheters (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
80 cm Shaft							
G26905	ATB5-35-80-8-6.0	7.0	.035	8	6	15	80
G36348	ATB5-35-80-8-8.0	7.0	.035	8	8	15	80
G30220	ATB5-35-80-9-2.0	7.0	.035	9	2	14	80
G26906	ATB5-35-80-9-4.0	7.0	.035	9	4	14	80
G36350	ATB5-35-80-9-6.0	7.0	.035	9	6	14	80
G36351	ATB5-35-80-9-8.0	7.0	.035	9	8	14	80
G26890	ATB5-35-80-10-4.0	7.0	.035	10	4	14	80
G36355	ATB5-35-80-10-6.0	7.0	.035	10	6	14	80
G44144	ATB5-35-80-12-4.0	7.0	.035	12	4	8	80
G23014	ATB5-35-80-14-2.0	8.0	.035	14	2	8	80
G44145	ATB5-35-80-14-4.0	8.0	.035	14	4	8	80
120 cm Shaft							
G26870	ATB5-35-120-4-4.0	5.0	.035	4	4	15	120
G30214	ATB5-35-120-4-6.0	5.0	.035	4	6	15	120
G26871	ATB5-35-120-5-2.0	5.0	.035	5	2	15	120
G26872	ATB5-35-120-5-4.0	5.0	.035	5	4	15	120
G30217	ATB5-35-120-5-6.0	5.0	.035	5	6	15	120
G26873	ATB5-35-120-6-2.0	5.0	.035	6	2	15	120
G26874	ATB5-35-120-6-4.0	5.0	.035	6	4	15	120
G26875	ATB5-35-120-6-6.0	5.0	.035	6	6	15	120
G26876	ATB5-35-120-6-8.0	6.0	.035	6	8	15	120
G26877	ATB5-35-120-7-2.0	6.0	.035	7	2	15	120
G26878	ATB5-35-120-7-4.0	6.0	.035	7	4	15	120
G26879	ATB5-35-120-7-6.0	6.0	.035	7	6	15	120
G26880	ATB5-35-120-8-2.0	6.0	.035	8	2	15	120
G26881	ATB5-35-120-8-4.0	6.0	.035	8	4	15	120
G26882	ATB5-35-120-8-6.0	7.0	.035	8	6	15	120
G26883	ATB5-35-120-9-4.0	7.0	.035	9	4	14	120
G26868	ATB5-35-120-10-4.0	7.0	.035	10	4	14	120
G44146	ATB5-35-120-12-4.0	7.0	.035	12	4	8	120
G23015	ATB5-35-120-14-2.0	8.0	.035	14	2	8	120
G44147	ATB5-35-120-14-4.0	8.0	.035	14	4	8	120



Advance® 18LP

Low Profile PTA Balloon Dilatation Catheters

- Optimized balloon rewrap.
- Semicompliant nylon balloon.
- Crosses tight lesions easily with low balloon profile and robust pushability.
- Fast balloon deflation for rapid restoration of blood flow.
- Uses 4 Fr introducers, except for balloons 8 mm diameter in lengths 6, 8 and 10 cm.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
80 cm Shaft							
G50215	PTA4-18-80-3-2	4.0	.018	3	2	14	80
G50217	PTA4-18-80-3-4	4.0	.018	3	4	14	80
G50219	PTA4-18-80-3-6	4.0	.018	3	6	14	80
G50221	PTA4-18-80-3-8	4.0	.018	3	8	14	80
G50223	PTA4-18-80-3-10	4.0	.018	3	10	14	80
G50225	PTA4-18-80-4-2	4.0	.018	4	2	14	80
G50227	PTA4-18-80-4-4	4.0	.018	4	4	14	80
G50229	PTA4-18-80-4-6	4.0	.018	4	6	14	80
G50231	PTA4-18-80-4-8	4.0	.018	4	8	14	80
G50232	PTA4-18-80-4-10	4.0	.018	4	10	14	80
G50234	PTA4-18-80-5-2	4.0	.018	5	2	14	80
G50236	PTA4-18-80-5-4	4.0	.018	5	4	14	80
G50238	PTA4-18-80-5-6	4.0	.018	5	6	14	80
G50240	PTA4-18-80-5-8	4.0	.018	5	8	14	80
G50242	PTA4-18-80-5-10	4.0	.018	5	10	14	80
G50244	PTA4-18-80-6-2	4.0	.018	6	2	14	80
G50246	PTA4-18-80-6-4	4.0	.018	6	4	14	80
G50248	PTA4-18-80-6-6	4.0	.018	6	6	14	80
G50250	PTA4-18-80-6-8	4.0	.018	6	8	14	80
G50252	PTA4-18-80-6-10	4.0	.018	6	10	14	80
G50254	PTA4-18-80-7-2	4.0	.018	7	2	14	80
G50256	PTA4-18-80-7-4	4.0	.018	7	4	14	80
G50258	PTA4-18-80-7-6	4.0	.018	7	6	14	80
G50260	PTA4-18-80-7-8	4.0	.018	7	8	14	80
G50263	PTA4-18-80-7-10	4.0	.018	7	10	14	80
G50265	PTA4-18-80-8-2	4.0	.018	8	2	14	80
G50267	PTA4-18-80-8-4	4.0	.018	8	4	14	80
G50269	PTA4-18-80-8-6	5.0	.018	8	6	14	80
G50271	PTA4-18-80-8-8	5.0	.018	8	8	14	80
G50273	PTA4-18-80-8-10	5.0	.018	8	10	14	80
135 cm Shaft							
G50216	PTA4-18-135-3-2	4.0	.018	3	2	14	135
G50218	PTA4-18-135-3-4	4.0	.018	3	4	14	135
G50220	PTA4-18-135-3-6	4.0	.018	3	6	14	135
G50222	PTA4-18-135-3-8	4.0	.018	3	8	14	135
G50224	PTA4-18-135-3-10	4.0	.018	3	10	14	135

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Advance® 18LP Low Profile PTA Balloon Dilatation Catheters (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
G50226	PTA4-18-135-4-2	4.0	.018	4	2	14	135
G50228	PTA4-18-135-4-4	4.0	.018	4	4	14	135
G50230	PTA4-18-135-4-6	4.0	.018	4	6	14	135
G49479	PTA4-18-135-4-8	4.0	.018	4	8	14	135
G50233	PTA4-18-135-4-10	4.0	.018	4	10	14	135
G50235	PTA4-18-135-5-2	4.0	.018	5	2	14	135
G50237	PTA4-18-135-5-4	4.0	.018	5	4	14	135
G50239	PTA4-18-135-5-6	4.0	.018	5	6	14	135
G50241	PTA4-18-135-5-8	4.0	.018	5	8	14	135
G50243	PTA4-18-135-5-10	4.0	.018	5	10	14	135
G50245	PTA4-18-135-6-2	4.0	.018	6	2	14	135
G50247	PTA4-18-135-6-4	4.0	.018	6	4	14	135
G50249	PTA4-18-135-6-6	4.0	.018	6	6	14	135
G50251	PTA4-18-135-6-8	4.0	.018	6	8	14	135
G50253	PTA4-18-135-6-10	4.0	.018	6	10	14	135
G50255	PTA4-18-135-7-2	4.0	.018	7	2	14	135
G50257	PTA4-18-135-7-4	4.0	.018	7	4	14	135
G50259	PTA4-18-135-7-6	4.0	.018	7	6	14	135
G50262	PTA4-18-135-7-8	4.0	.018	7	8	14	135
G50264	PTA4-18-135-7-10	4.0	.018	7	10	14	135



Advance Micro™ 14

Ultra Low Profile PTA Balloon Dilatation Catheters

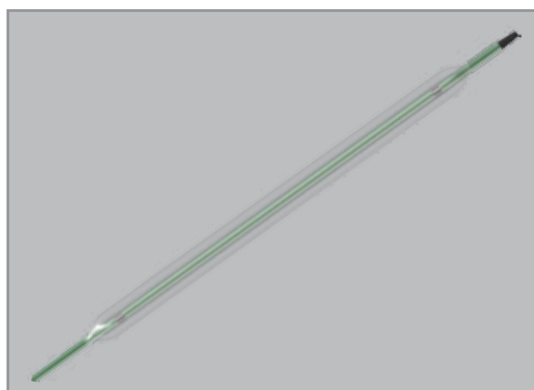
- Ultra low profile with tip entry profile of .018 inch.
- Pliaform™ surface texture for reduced friction and ease of passing lesions.
- Distal 15 cm is hydrophilic coated.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
50 cm Shaft							
G26090	PTA3-14-50-1.5-2	3.0	.014	1.5	2	16	50
G26091	PTA3-14-50-1.5-4	3.0	.014	1.5	4	16	50
G26092	PTA3-14-50-2-2	3.0	.014	2	2	16	50
G26093	PTA3-14-50-2-3	3.0	.014	2	3	16	50
G26094	PTA3-14-50-2-4	3.0	.014	2	4	16	50
G26095	PTA3-14-50-2-6	3.0	.014	2	6	16	50
G26096	PTA3-14-50-2-8	3.0	.014	2	8	16	50
G26098	PTA3-14-50-2-10	3.0	.014	2	10	16	50
G26099	PTA3-14-50-2-12	3.0	.014	2	12	16	50
G26100	PTA3-14-50-2.5-2	3.0	.014	2.5	2	16	50
G26101	PTA3-14-50-2.5-3	3.0	.014	2.5	3	16	50
G26102	PTA3-14-50-2.5-4	3.0	.014	2.5	4	16	50
G26103	PTA3-14-50-2.5-6	3.0	.014	2.5	6	16	50
G26104	PTA3-14-50-2.5-8	3.0	.014	2.5	8	16	50
G26105	PTA3-14-50-2.5-10	3.0	.014	2.5	10	16	50
G26106	PTA3-14-50-2.5-12	3.0	.014	2.5	12	16	50
G26107	PTA3-14-50-3-2	3.0	.014	3	2	16	50
G26109	PTA3-14-50-3-3	3.0	.014	3	3	16	50
G26110	PTA3-14-50-3-4	3.0	.014	3	4	16	50
G26111	PTA3-14-50-3-6	3.0	.014	3	6	16	50
G26112	PTA3-14-50-3-8	3.0	.014	3	8	16	50
G26113	PTA3-14-50-3-10	3.0	.014	3	10	16	50
G26115	PTA3-14-50-3-12	3.0	.014	3	12	16	50
90 cm Shaft							
G26117	PTA3-14-90-1.5-2	3.0	.014	1.5	2	16	90
G26118	PTA3-14-90-1.5-4	3.0	.014	1.5	4	16	90
G26119	PTA3-14-90-2-2	3.0	.014	2	2	16	90
G26121	PTA3-14-90-2-3	3.0	.014	2	3	16	90
G26122	PTA3-14-90-2-4	3.0	.014	2	4	16	90
G26123	PTA3-14-90-2-6	3.0	.014	2	6	16	90
G26195	PTA3-14-90-2-8	3.0	.014	2	8	16	90
G26400	PTA3-14-90-2-10	3.0	.014	2	10	16	90
G26401	PTA3-14-90-2-12	3.0	.014	2	12	16	90
G26402	PTA3-14-90-2.5-2	3.0	.014	2.5	2	16	90
G26403	PTA3-14-90-2.5-3	3.0	.014	2.5	3	16	90
G26404	PTA3-14-90-2.5-4	3.0	.014	2.5	4	16	90

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Advance Micro™ 14 Ultra Low Profile PTA Balloon Dilatation Catheters (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
G26405	PTA3-14-90-2.5-6	3.0	.014	2.5	6	16	90
G26406	PTA3-14-90-2.5-8	3.0	.014	2.5	8	16	90
G26407	PTA3-14-90-2.5-10	3.0	.014	2.5	10	16	90
G26601	PTA3-14-90-2.5-12	3.0	.014	2.5	12	16	90
G26602	PTA3-14-90-3-2	3.0	.014	3	2	16	90
G26604	PTA3-14-90-3-3	3.0	.014	3	3	16	90
G26605	PTA3-14-90-3-4	3.0	.014	3	4	16	90
G26606	PTA3-14-90-3-6	3.0	.014	3	6	16	90
G26607	PTA3-14-90-3-8	3.0	.014	3	8	16	90
G26608	PTA3-14-90-3-10	3.0	.014	3	10	16	90
G26610	PTA3-14-90-3-12	3.0	.014	3	12	16	90
150 cm Shaft							
G26611	PTA3-14-150-1.5-2	3.0	.014	1.5	2	16	150
G26614	PTA3-14-150-1.5-4	3.0	.014	1.5	4	16	150
G26620	PTA3-14-150-2-2	3.0	.014	2	2	16	150
G26621	PTA3-14-150-2-3	3.0	.014	2	3	16	150
G26622	PTA3-14-150-2-4	3.0	.014	2	4	16	150
G26625	PTA3-14-150-2-6	3.0	.014	2	6	16	150
G26626	PTA3-14-150-2-8	3.0	.014	2	8	16	150
G26636	PTA3-14-150-2-10	3.0	.014	2	10	16	150
G26641	PTA3-14-150-2-12	3.0	.014	2	12	16	150
G26643	PTA3-14-150-2.5-2	3.0	.014	2.5	2	16	150
G26646	PTA3-14-150-2.5-3	3.0	.014	2.5	3	16	150
G26653	PTA3-14-150-2.5-4	3.0	.014	2.5	4	16	150
G26665	PTA3-14-150-2.5-6	3.0	.014	2.5	6	16	150
G26677	PTA3-14-150-2.5-8	3.0	.014	2.5	8	16	150
G26678	PTA3-14-150-2.5-10	3.0	.014	2.5	10	16	150
G26679	PTA3-14-150-2.5-12	3.0	.014	2.5	12	16	150
G26680	PTA3-14-150-3-2	3.0	.014	3	2	16	150
G26681	PTA3-14-150-3-3	3.0	.014	3	3	16	150
G26706	PTA3-14-150-3-4	3.0	.014	3	4	16	150
G26707	PTA3-14-150-3-6	3.0	.014	3	6	16	150
G26710	PTA3-14-150-3-8	3.0	.014	3	8	16	150
G26719	PTA3-14-150-3-10	3.0	.014	3	10	16	150
G26724	PTA3-14-150-3-12	3.0	.014	3	12	16	150



Advance® 14LP

Low Profile PTA Balloon Dilatation Catheters

- 110 and 170 cm shaft lengths, enabling passage to distal lesions from both an ipsilateral and a contralateral approach.
- Low profile design with 4 Fr sheath compatibility on all sizes.
- Peripheral, coiled wire shaft for optimized trackability and pushability.
- Distal 40 cm is hydrophilic coated.
- Semicompliant balloon.
- Peripheral exchange system.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
110 cm Peripheral Exchange Shaft							
G18676	PTAX4-14-110-2-2	4.0	.014	2	2	16	110
G18686	PTAX4-14-110-2-4	4.0	.014	2	4	16	110
G18694	PTAX4-14-110-2-6	4.0	.014	2	6	16	110
G18695	PTAX4-14-110-2-8	4.0	.014	2	8	16	110
G18700	PTAX4-14-110-2-12	4.0	.014	2	12	16	110
G18701	PTAX4-14-110-2-16	4.0	.014	2	16	16	110
G18737	PTAX4-14-110-2-20	4.0	.014	2	20	16	110
G18743	PTAX4-14-110-2.5-2	4.0	.014	2.5	2	16	110
G18756	PTAX4-14-110-2.5-4	4.0	.014	2.5	4	16	110
G18762	PTAX4-14-110-2.5-6	4.0	.014	2.5	6	16	110
G18798	PTAX4-14-110-2.5-8	4.0	.014	2.5	8	16	110
G18799	PTAX4-14-110-2.5-12	4.0	.014	2.5	12	16	110
G18802	PTAX4-14-110-2.5-16	4.0	.014	2.5	16	16	110
G18807	PTAX4-14-110-2.5-20	4.0	.014	2.5	20	16	110
G18838	PTAX4-14-110-3-2	4.0	.014	3	2	16	110
G18859	PTAX4-14-110-3-4	4.0	.014	3	4	16	110
G18860	PTAX4-14-110-3-6	4.0	.014	3	6	16	110
G18875	PTAX4-14-110-3-8	4.0	.014	3	8	16	110
G18880	PTAX4-14-110-3-12	4.0	.014	3	12	16	110
G18924	PTAX4-14-110-3-16	4.0	.014	3	16	16	110
G18951	PTAX4-14-110-3-20	4.0	.014	3	20	16	110
G18960	PTAX4-14-110-4-2	4.0	.014	4	2	16	110
G18969	PTAX4-14-110-4-4	4.0	.014	4	4	16	110
G18999	PTAX4-14-110-4-6	4.0	.014	4	6	16	110
G19006	PTAX4-14-110-4-8	4.0	.014	4	8	16	110
G19021	PTAX4-14-110-4-12	4.0	.014	4	12	16	110
G19064	PTAX4-14-110-4-16	4.0	.014	4	16	16	110
G19066	PTAX4-14-110-4-20	4.0	.014	4	20	16	110
170 cm Peripheral Exchange Shaft							
G50313	PTAX4-14-170-2-2	4.0	.014	2	2	16	170
G50314	PTAX4-14-170-2-4	4.0	.014	2	4	16	170
G50315	PTAX4-14-170-2-6	4.0	.014	2	6	16	170
G50316	PTAX4-14-170-2-8	4.0	.014	2	8	16	170
G50317	PTAX4-14-170-2-12	4.0	.014	2	12	16	170
G50318	PTAX4-14-170-2-16	4.0	.014	2	16	16	170
G50319	PTAX4-14-170-2-20	4.0	.014	2	20	16	170

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Advance® 14LP Low Profile PTA Balloon Dilatation Catheters (cont.)

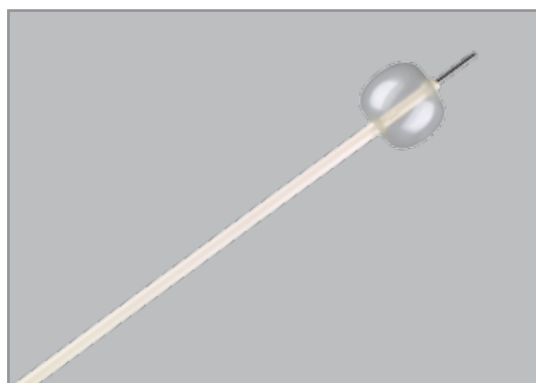
Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
G50320	PTAX4-14-170-2.5-2	4.0	.014	2.5	2	16	170
G50321	PTAX4-14-170-2.5-4	4.0	.014	2.5	4	16	170
G50322	PTAX4-14-170-2.5-6	4.0	.014	2.5	6	16	170
G50323	PTAX4-14-170-2.5-8	4.0	.014	2.5	8	16	170
G50324	PTAX4-14-170-2.5-12	4.0	.014	2.5	12	16	170
G50325	PTAX4-14-170-2.5-16	4.0	.014	2.5	16	16	170
G50326	PTAX4-14-170-2.5-20	4.0	.014	2.5	20	16	170
G50327	PTAX4-14-170-3-2	4.0	.014	3	2	16	170
G50328	PTAX4-14-170-3-4	4.0	.014	3	4	16	170
G50329	PTAX4-14-170-3-6	4.0	.014	3	6	16	170
G50330	PTAX4-14-170-3-8	4.0	.014	3	8	16	170
G50331	PTAX4-14-170-3-12	4.0	.014	3	12	16	170
G50332	PTAX4-14-170-3-16	4.0	.014	3	16	16	170
G50333	PTAX4-14-170-3-20	4.0	.014	3	20	16	170
G50334	PTAX4-14-170-4-2	4.0	.014	4	2	16	170
G50335	PTAX4-14-170-4-4	4.0	.014	4	4	16	170
G50336	PTAX4-14-170-4-6	4.0	.014	4	6	16	170
G50337	PTAX4-14-170-4-8	4.0	.014	4	8	16	170
G50338	PTAX4-14-170-4-12	4.0	.014	4	12	16	170
G50339	PTAX4-14-170-4-16	4.0	.014	4	16	16	170
G50340	PTAX4-14-170-4-20	4.0	.014	4	20	16	170



Coda® Balloon Catheters

Order Number	Reference Part Number	Catheter Fr/Length cm	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Maximum Inflated Diameter mm	Balloon Maximum Inflation Volume mL
G03831	CODA-2-9.0-35-120-32	9.0/120	12.0	.035	32	30
G53025	CODA-2-10.0-35-120-40*	10.0/120	14.0	.035	40	40

*The 40 mm Coda Balloon Catheter should not be used in vessels < 24 mm in diameter or for expansion of vascular prostheses within iliac or other nonaortic vessels.



Flow-Directed Balloon Catheter

- Compliant natural rubber latex balloon.
- Intended for use in venous sampling and pressure monitoring.

Order Number	Reference Part Number	Catheter Fr/Length cm	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Maximum Inflated Diameter mm	Balloon Maximum Inflation Volume cc
G10851	FDB5.3-35-80	5.3/80	6.0	.035	10	1



Advance® 18PTX®

Drug-Eluting PTA Balloon Dilatation Catheters

- Combination therapy product combining mechanical and drug therapy.
- Coated before being folded, allowing more drug-to-vessel contact.
- Coated without using polymers or additives.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Balloon Inflated Diameter mm	Balloon Length cm	Rated Burst Pressure atm	Shaft Length cm
135 cm Shaft							
G52931	PTA4-18-135-3-2-PTX	4.0	.018	3	2	12	135
G53258	PTA4-18-135-3-4-PTX	4.0	.018	3	4	12	135
G53260	PTA4-18-135-3-8-PTX	4.0	.018	3	8	12	135
G53261	PTA4-18-135-3-10-PTX	4.0	.018	3	10	12	135
G53262	PTA4-18-135-4-2-PTX	5.0	.018	4	2	12	135
G53263	PTA4-18-135-4-4-PTX	5.0	.018	4	4	12	135
G53281	PTA4-18-135-4-8-PTX	5.0	.018	4	8	12	135
G51133	PTA4-18-135-4-10-PTX	5.0	.018	4	10	12	135
G53265	PTA4-18-135-5-2-PTX	6.0	.018	5	2	12	135
G53266	PTA4-18-135-5-4-PTX	6.0	.018	5	4	12	135
G53267	PTA4-18-135-5-8-PTX	6.0	.018	5	8	12	135
G51135	PTA4-18-135-5-10-PTX	6.0	.018	5	10	12	135
G53268	PTA4-18-135-6-2-PTX	6.0	.018	6	2	12	135
G53269	PTA4-18-135-6-4-PTX	6.0	.018	6	4	12	135
G53270	PTA4-18-135-6-8-PTX	6.0	.018	6	8	12	135
G51137	PTA4-18-135-6-10-PTX	6.0	.018	6	10	12	135
G53271	PTA4-18-135-7-2-PTX	6.0	.018	7	2	12	135
G53272	PTA4-18-135-7-4-PTX	6.0	.018	7	4	12	135
G53274	PTA4-18-135-7-8-PTX	6.0	.018	7	8	12	135
G53275	PTA4-18-135-7-10-PTX	6.0	.018	7	10	12	135
G53276	PTA4-18-135-8-2-PTX	7.0	.018	8	2	12	135
G53277	PTA4-18-135-8-4-PTX	7.0	.018	8	4	12	135
G53279	PTA4-18-135-8-8-PTX	7.0	.018	8	8	12	135
G53280	PTA4-18-135-8-10-PTX	7.0	.018	8	10	12	135



Sphere® Inflation Device

Used while performing balloon dilatation procedures to inflate the balloon, monitor the pressure within the balloon and deflate the balloon.

- Easy to read luminescent dial.
- Ergonomically shaped 20 cc barrel.
- Quick release lock-lever mechanism.
- Maximum pressure of 30 atmospheres.

Order Number	Reference Part Number	Barrel Volume cc	Maximum Pressure atm
G31027	CID-20-30	20	30

Catheters

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Over-the-Top

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Seeking

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Technology Overview

Technologies create options.

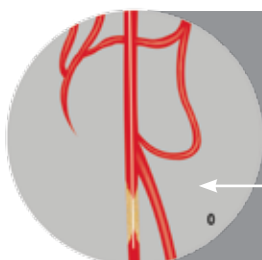
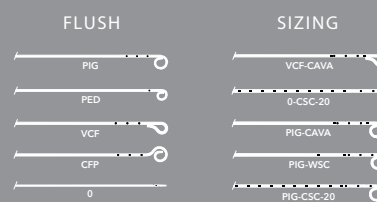
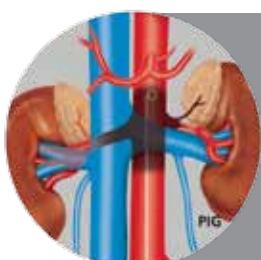
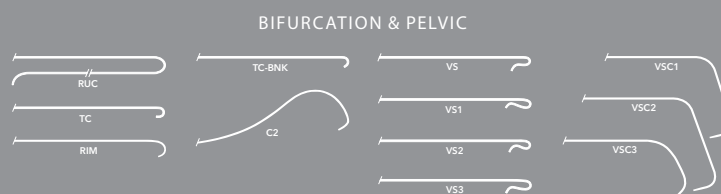
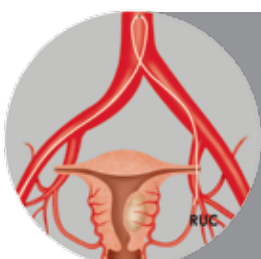
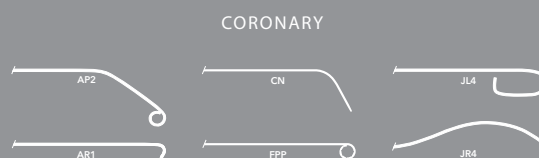
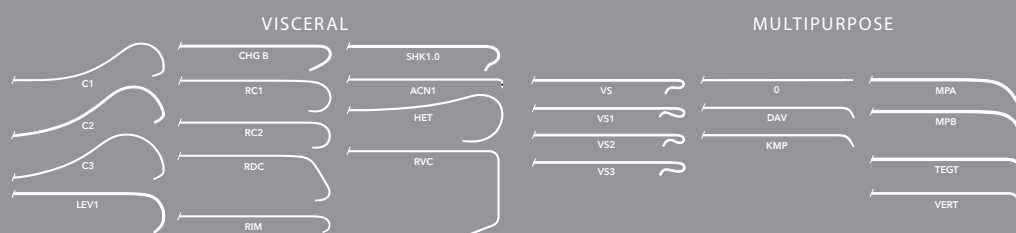
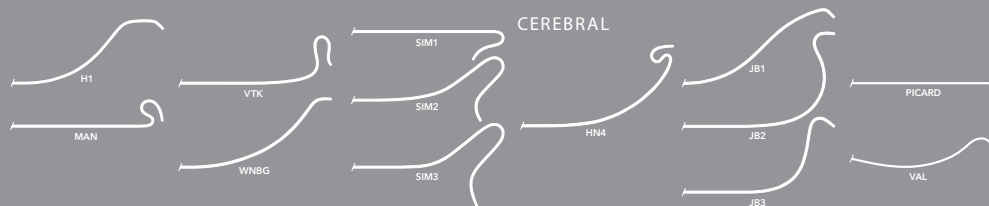
An uncompromising focus on physicians and their patients has driven Cook to create an array of catheters with size and configuration options, and the following technologies:

Beacon® tip radiopacity ensures excellent visibility during catheter manipulation.

Hydrophilic coatings provide long-lasting lubricity to smooth navigation—even through tortuous anatomy.

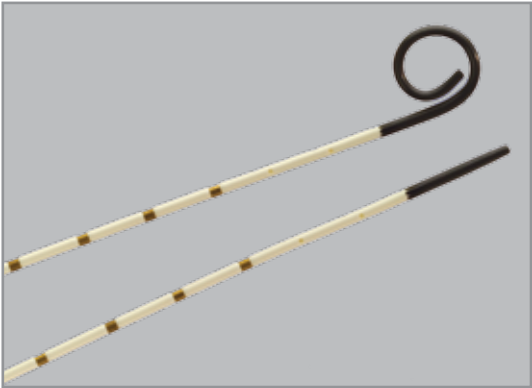
Braided stainless steel construction offers 1:1 torque response, as well as superior pushability and kink-resistance.

Catheter Type	Product	Radiopaque technology	Stainless steel braid	Hydrophilic coating
Diagnostic Catheter	Beacon Tip Sizing Catheters	Beacon tip and gold bands		
	Royal Flush® Plus Beacon Tip High-Flow Catheters	Beacon tip		
Selective Catheter	Torcon NB® Advantage Beacon Tip Angiographic Catheter	Beacon tip	X	
	Slip-Cath® Angiographic Catheters	Beacon tip	X	X
Support Catheter	CXI™ Support Catheter	Tungsten tip and markers	X	X



At left: CXI Support Catheter
Reach and cross lesions with the support catheter engineered for the periphery.
Compatible with Approach® CTO Microwire Guide.

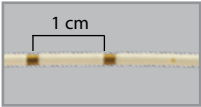
Note: Illustrations represent both stock and nonstock products.



Beacon® Tip Sizing Catheters

Aurous®

- Gold bands delineate a 20 cm segment at 1 cm intervals.
- Patented enhanced radiopaque Beacon tip provides superior visualization.
- Designed for angiographic injections of contrast media.



Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Measure Interval
Pigtail						
G31215	NR5.0-35-70-P-10S-PIG-CSC-20	5.0	.035	70	10	20 - 1 cm segments
G31216	NR5.0-35-100-P-10S-PIG-CSC-20	5.0	.035	100	10	20 - 1 cm segments
Straight						
G31213	NR5.0-35-70-P-10S-0-CSC-20	5.0	.035	70	10	20 - 1 cm segments
G31214	NR5.0-35-100-P-10S-0-CSC-20	5.0	.035	100	10	20 - 1 cm segments



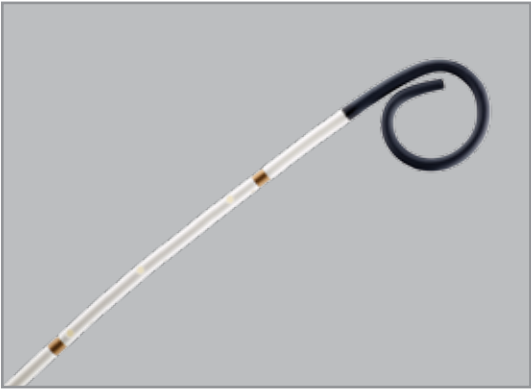
Beacon® Tip Sizing Catheters

White

- Two gold bands spaced 2 cm apart.
- Patented enhanced radiopaque Beacon tip provides superior visualization.
- Designed for angiographic injections of contrast media.



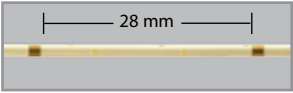
Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports
Pigtail					
G31224	NR5.0-35-70-P-10S-PIG-WSC	5.0	.035	70	10
G31226	NR5.0-35-100-P-10S-PIG-WSC	5.0	.035	100	10



Beacon® Tip Sizing Catheters

Cava

- Two gold bands spaced 28 mm apart.
- Patented enhanced radiopaque Beacon tip provides superior visualization.
- Designed for angiographic injections of contrast media.



Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Band Placement Interval mm
Pigtail						
G31230	NR5.0-35-70-P-10S-PIG-CAVA	5.0	.035	70	10	28
G31231	NR5.0-35-90-P-10S-PIG-CAVA	5.0	.035	90	10	28
Varrel Contralateral Flush						
G31232	NR5.0-35-70-P-10S-VCF-CAVA	5.0	.035	70	10	28
G31233	NR5.0-35-90-P-10S-VCF-CAVA	5.0	.035	90	10	28



Royal Flush Plus

Beacon® Tip High-Flow Catheters

When imaging larger regions, you can rely on these devices, which have a maximum flow rate of up to 32 mL/sec and a maximum pressure of 1,200 psi.

- High flow rates provide procedural flexibility.
- Beacon Tip provides brilliance under fluoroscopy.
- Gradual transition from tip to shaft designed to enhance stability during injection.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Maximum Flow Rate mL/sec	Maximum Pressure kg/cm ²	Maximum Pressure psi
Verrill Contralateral Flush								
G12394	HNR4.0-35-65-P-8S-VCF	4.0	.035	65	8	19	84	1,200
G12129	HNR5.0-35-65-P-8S-VCF	5.0	.035	65	8	32	84	1,200

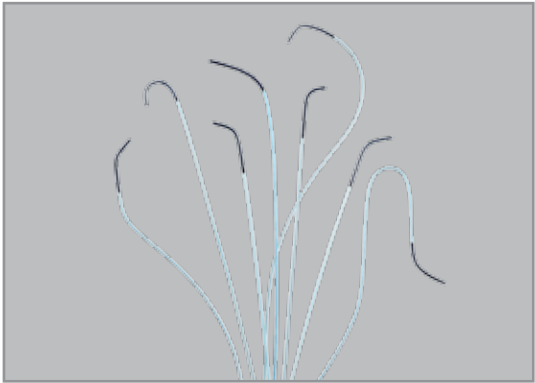
Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Maximum Flow Rate mL/sec	Maximum Pressure kg/cm ²	Maximum Pressure psi
Pigtail Flush								
G09406	HNR4.0-35-70-P-10S-PIG	4.0	.035	70	10	20	84	1,200
G11278	HNR4.0-35-100-P-10S-PIG	4.0	.035	100	10	15	84	1,200
G11423	HNR4.0-35-110-P-10S-PIG	4.0	.035	110	10	14	84	1,200
G27864	HNR4.0-35-125-P-10S-PIG	4.0	.035	125	10	14	84	1,200
G08832	HNR5.0-35-70-P-10S-PIG	5.0	.035	70	10	32	84	1,200
G09059	HNR5.0-35-100-P-10S-PIG	5.0	.035	100	10	27	84	1,200
G11265	HNR5.0-35-110-P-10S-PIG	5.0	.035	110	10	26	84	1,200
G11272	HNR5.0-38-70-P-10S-PIG	5.0	.038	70	10	32	84	1,200
G09285	HNR5.0-38-100-P-10S-PIG	5.0	.038	100	10	27	84	1,200

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Maximum Flow Rate mL/sec	Maximum Pressure kg/cm ²	Maximum Pressure psi
Pediatric Pigtail Flush								
G11263	HNR4.0-35-70-P-4S-PED	4.0	.035	70	4	17	84	1,200

Royal Flush Plus (cont.)

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Maximum Flow Rate mL/sec	Maximum Pressure kg/cm ²	Maximum Pressure psi
Centra-Flo™ Pigtail Flush								
G11279	HNR4.0-35-70-P-10S-CFP	4.0	.035	70	10	20	84	1,200
G11422	HNR4.0-35-100-P-10S-CFP	4.0	.035	100	10	15	84	1,200
G11262	HNR5.0-35-70-P-10S-CFP	5.0	.035	70	10	32	84	1,200

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Sideports	Maximum Flow Rate mL/sec	Maximum Pressure kg/cm ²	Maximum Pressure psi
Straight Flush								
G09409	HNR4.0-35-70-P-10S-0	4.0	.035	70	10	20	84	1,200
G11158	HNR4.0-35-70-P-NS-0	4.0	.035	70	-	20	84	1,200
G09111	HNR4.0-35-100-P-10S-0	4.0	.035	100	10	15	84	1,200
G09411	HNR5.0-35-70-P-10S-0	5.0	.035	70	10	32	84	1,200
G11959	HNR5.0-35-70-P-NS-0	5.0	.035	70	-	32	84	1,200
G09412	HNR5.0-35-90-P-10S-0	5.0	.035	90	10	29	84	1,200
G09697	HNR5.0-35-100-P-10S-0	5.0	.035	100	10	27	84	1,200
G11270	HNR5.0-38-70-P-10S-0	5.0	.038	70	10	32	84	1,200
G11289	HNR5.0-38-70-P-NS-0	5.0	.038	70	-	32	84	1,200
G11267	HNR5.0-38-100-P-10S-0	5.0	.038	100	10	27	84	1,200



Beacon® Tip Torcon NB® Advantage Catheters
Cerebral Angiographic

- Patented enhanced radiopaque Beacon tip provides superior visualization.
- Gradual transition of radiopaque Beacon tip to catheter shaft results in stability during injection.
- Stainless steel wire braid imparts 1:1 torque control to catheter tip and maximizes pushability.
- Nylon material resists softening during prolonged catheter manipulation.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Bentson–Hanafee–Wilson Cerebral					
G53759	HNBR4.0-35-100-P-NS-JB1	4.0	.035	100	JB1
G56358	HNBR4.0-35-125-P-NS-JB1	4.0	.035	125	JB1
G53760	HNBR4.0-35-100-P-NS-JB2	4.0	.035	100	JB2
G08472	HNBR5.0-35-100-P-NS-JB1	5.0	.035	100	JB1
G08809	HNBR5.0-35-100-P-NS-JB2	5.0	.035	100	JB2
G08583	HNBR5.0-38-100-P-NS-JB1	5.0	.038	100	JB1
G09654	HNBR5.0-38-100-P-NS-JB2	5.0	.038	100	JB2
G11192	HNBR5.0-38-100-P-NS-JB3	5.0	.038	100	JB3
G11726	HNBR5.0-38-125-P-NS-JB1	5.0	.038	125	JB1
Davis Cerebral					
G51303	HNBR4.0-35-100-P-NS-DAV	4.0	.035	100	DAV
G11414	HNBR5.0-35-65-P-NS-DAV	5.0	.035	65	DAV
G08699	HNBR5.0-35-100-P-NS-DAV	5.0	.035	100	DAV
G08581	HNBR5.0-38-100-P-NS-DAV	5.0	.038	100	DAV

Beacon® Tip Torcon NB® Advantage Catheters (cont.)

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Hinck Headhunter Cerebral					
G51308	HNBR4.0-35-100-P-NS-H1	4.0	.035	100	H1
G56357	HNBR4.0-35-125-P-NS-H1	4.0	.035	125	H1
G08421	HNBR5.0-35-100-P-NS-H1	5.0	.035	100	H1
G08419	HNBR5.0-38-100-P-NS-H1	5.0	.038	100	H1
G11378	HNBR5.0-38-125-P-NS-H1	5.0	.038	125	H1
Left Vertebral					
G53762	HNBR4.0-35-100-P-NS-VERT	4.0	.035	100	VERT
G56362	HNBR4.0-35-125-P-NS-VERT	4.0	.035	125	VERT
G11483	HNBR5.0-35-100-P-NS-VERT	5.0	.035	100	VERT
G11484	HNBR5.0-38-100-P-NS-VERT	5.0	.038	100	VERT
G12170	HNBR5.0-38-125-P-NS-VERT	5.0	.038	125	VERT
Mani Cerebral					
G11201	HNBR5.0-38-100-P-NS-MAN	5.0	.038	100	MAN
Simmons Cerebral					
G56375	HNBR4.0-35-65-P-NS-SIM1	4.0	.035	65	SIM1
G53761	HNBR4.0-35-100-P-NS-SIM1	4.0	.035	100	SIM1
G51311	HNBR4.0-35-100-P-NS-SIM2	4.0	.035	100	SIM2
G56361	HNBR4.0-35-125-P-NS-SIM2	4.0	.035	125	SIM2
G08471	HNBR5.0-35-100-P-NS-SIM1	5.0	.035	100	SIM1
G08422	HNBR5.0-35-100-P-NS-SIM2	5.0	.035	100	SIM2
G08677	HNBR5.0-38-65-P-NS-SIM1	5.0	.038	65	SIM1
G08584	HNBR5.0-38-100-P-NS-SIM1	5.0	.038	100	SIM1
G08420	HNBR5.0-38-100-P-NS-SIM2	5.0	.038	100	SIM2
G08585	HNBR5.0-38-100-P-NS-SIM3	5.0	.038	100	SIM3
G11517	HNBR5.0-38-125-P-NS-SIM2	5.0	.038	125	SIM2
Vitek Cerebral					
G11642	HNBR5.0-38-125-P-NS-VTK	5.0	.038	125	VTK
Weinberg Cerebral					
G08805	HNBR5.0-35-100-P-NS-WNBG	5.0	.035	100	WNBG
G08582	HNBR5.0-38-100-P-NS-WNBG	5.0	.038	100	WNBG

Beacon® Tip Torcon NB® Advantage Catheters

Manipulation

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Kumpe Selective Wire Guide Manipulation					
G51310	HNBR4.0-35-100-P-NS-KMP	4.0	.035	100	KMP
G11458	HNBR5.0-35-65-P-NS-KMP	5.0	.035	65	KMP
G09469	HNBR5.0-38-65-P-NS-KMP	5.0	.038	65	KMP
Tegtmeyer Selective Wire Guide Manipulation					
G11377	HNBR5.0-38-65-P-NS-TEGT	5.0	.038	65	TEGT
G11193	HNBR5.0-38-100-P-NS-TEGT	5.0	.038	100	TEGT
Endovascular Graft Seeking					
G27815	HNBR5.0-35-60-P-NS-BELL-1.5	5.0	.035	60	BELL
Multipurpose A					
G56371	HNBR4.0-35-65-P-NS-MPA	4.0	.035	65	MPA
G56350	HNBR4.0-35-100-P-NS-MPA	4.0	.035	100	MPA
G56360	HNBR4.0-35-125-P-NS-MPA	4.0	.035	125	MPA
G11195	HNBR5.0-38-65-P-NS-MPA	5.0	.038	65	MPA
G11205	HNBR5.0-38-100-P-NS-MPA	5.0	.038	100	MPA
G12154	HNBR5.0-38-125-P-NS-MPA	5.0	.038	125	MPA
Multipurpose B					
G11206	HNBR5.0-38-100-P-NS-MPB	5.0	.038	100	MPB

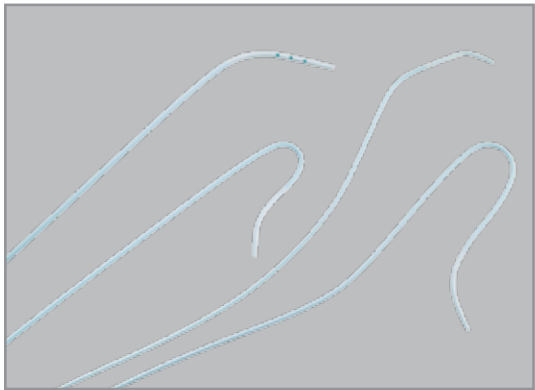
Beacon® Tip Torcon NB® Advantage Catheters

Visceral Angiographic

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Cobra Visceral					
G53763	HNBR4.0-35-65-P-NS-C1	4.0	.035	65	C1
G56340	HNBR4.0-35-100-P-NS-C1	4.0	.035	100	C1
G51313	HNBR4.0-35-65-P-NS-C2	4.0	.035	65	C2
G56341	HNBR4.0-35-100-P-NS-C2	4.0	.035	100	C2
G08441	HNBR5.0-35-65-P-NS-C1	5.0	.035	65	C1
G08442	HNBR5.0-35-65-P-NS-C2	5.0	.035	65	C2
G08446	HNBR5.0-38-65-P-NS-C1	5.0	.038	65	C1
G08447	HNBR5.0-38-65-P-NS-C2	5.0	.038	65	C2
G08448	HNBR5.0-38-65-P-NS-C3	5.0	.038	65	C3
G09967	HNBR5.0-38-100-P-NS-C2	5.0	.038	100	C2

Beacon® Tip Torcon NB® Advantage Catheters (cont.)
Visceral Angiographic

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Levin Visceral					
G11194	HNBR5.0-38-65-P-NS-LEV1	5.0	.038	65	LEV1
Renal Double Visceral					
G08578	HNBR5.0-38-65-P-NS-RDC	5.0	.038	65	RDC
Roberts Uterine					
G26973	HNBR5.0-35-90-P-NS-RUC	5.0	.035	90	RUC
Selective Visceral					
G56372	HNBR4.0-35-65-P-NS-RC1	4.0	.035	65	RC1
G65373	HNBR4.0-35-65-P-NS-RC2	4.0	.035	65	RC2
G51315	HNBR4.0-35-65-P-NS-RIM	4.0	.035	65	RIM
G08469	HNBR5.0-35-65-P-NS-RC1	5.0	.035	65	RC1
G08470	HNBR5.0-35-65-P-NS-RC2	5.0	.035	65	RC2
G08444	HNBR5.0-35-65-P-NS-RIM	5.0	.035	65	RIM
G10082	HNBR5.0-38-65-P-NS-RIM	5.0	.038	65	RIM
G12870	HNBR5.0-38-100-P-NS-RIM	5.0	.038	100	RIM
G08641	HNBR5.0-38-65-P-NS-RC1	5.0	.038	65	RC1
G08642	HNBR5.0-38-65-P-NS-RC2	5.0	.038	65	RC2
G11486	HNBR5.0-38-65-P-NS-VS1	5.0	.038	65	VS1
G12715	HNBR5.0-38-65-P-NS-VS2	5.0	.038	65	VS2
G11209	HNBR5.0-38-80-P-NS-VS	5.0	.038	80	VS
G11190	HNBR5.0-38-80-P-NS-VS2	5.0	.038	80	VS2
G11191	HNBR5.0-38-80-P-NS-VS3	5.0	.038	80	VS3
G13560	HNBR5.0-38-80-P-NS-CHG-B	5.0	.038	80	CHG-B
Shepherd Hook Visceral					
G11476	HNBR5.0-38-65-P-NS-SHK1.0	5.0	.038	65	SHK1.0
Vena SpermatICA					
G20791	HNBR5.0-38-65-P-NS-VSC1	5.0	.038	65	VSC1
G20038	HNBR5.0-38-65-P-NS-VSC2	5.0	.038	65	VSC2
G21042	HNBR5.0-38-65-P-NS-VSC3	5.0	.038	65	VSC3



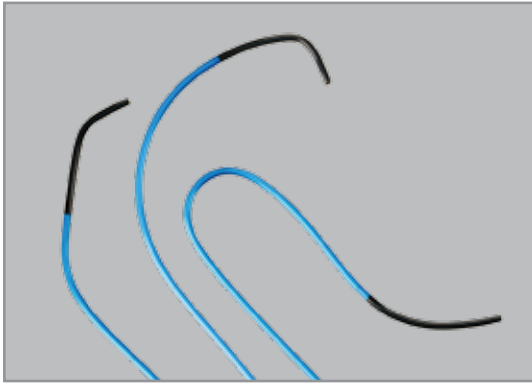
Torcon NB® Advantage Catheters
Cerebral Angiographic

- Stainless steel wire braid imparts 1:1 torque control to catheter tip and maximizes pushability.
- Nylon material resists softening during prolonged catheter manipulation.
- Short, flexible, atraumatic catheter tip maintains stability during injection.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Hinck Headhunter Cerebral					
G06005	HNB5.0-38-100-P-NS-H1	5.0	.038	100	H1
Simmons Cerebral					
G04922	HNB5.0-38-100-P-NS-SIM1	5.0	.038	100	SIM1
G05976	HNB5.0-38-100-P-NS-SIM2	5.0	.038	100	SIM2
Valavanis					
G32163	HNB5.0-38-100-P-NS-VAL	5.0	.038	100	VAL
Vitek Cerebral					
G10755	HNB5.0-38-125-P-NS-VTK	5.0	.038	125	VTK
Wire Guide Manipulation					
G13772	HNB6.0-38-40-P-NS-BMC	6.0	.038	40	BMC

Torcon NB® Advantage Catheters (cont.)
Cerebral Angiographic

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration	Sideports
Aachen Selective						
G20270	HNB5.0-35-65-P-1S-ACN1	5.0	.035	65	ACN1	1
Cobra Visceral						
G05998	HNB5.0-38-65-P-NS-C1	5.0	.038	65	C1	
G05204	HNB5.0-38-65-P-NS-C2	5.0	.038	65	C2	
G06236	HNB5.0-38-65-P-2S-C2	5.0	.038	65	C2	2
Left Varicocele Embolotherapy						
G32167	HNB5.0-NT-65-P-NS-HET	5.0	.041	65	HET	
Selective Visceral						
G05979	HNB5.0-38-65-P-NS-RIM	5.0	.038	65	RIM	
Coronary						
G05922	HNB5.0-38-65-P-NS-JR4	5.0	.038	65	JR4	
G04789	HNB6.0-38-100-P-NS-JL4	6.0	.038	100	JL4	
G05874	HNB5.0-38-65-P-NS-AP2	5.0	.038	65	AP2	
G05738	HNB6.0-38-110-P-12S-AP2	6.0	.038	110	AP2	12
G04836	HNB6.0-38-100-P-NS-AR1	6.0	.038	100	AR1	
G13746	HNB6.0-NT-110-P-NS-CN	6.0	.043	110	CN	
G10741	HNB5.0-38-110-P-12S-PIG	5.0	.038	110	PIG	12
Cerebral						
G08736	HNB5.0-38-65-P-NS-PICARD	5.0	.038	65	PICARD	
Multipurpose						
G11541	HNB5.0-38-100-P-6S-MPA	5.0	.038	100	MPA	6
G10445	HNB5.0-NT-65-P-NS-MPA	5.0		65	MPA	
G10354	HNB5.0-NT-80-P-NS-MPA	5.0		80	MPA	
G09660	HNB5.0-NT-100-P-NS-MPA	5.0		100	MPA	
G08591	HNB7.0-38-100-P-NS-MPA	7.0	.038	100	MPA	



Slip-Cath® Beacon® Tip Catheters

Angiographic with AQ® Hydrophilic Coating

- Patented enhanced radiopaque Beacon tip provides superior visualization.
- Extremely lubricious surface facilitates introduction and vessel selection.
- Stainless steel wire braid imparts 1:1 torque control to catheter tip and maximizes pushability.
- Nylon material resists softening during prolonged catheter manipulation.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Bentson–Hanafee–Wilson Cerebral					
G31327	SCBR4.0-38-100-P-NS-JB1	4.0	.038	100	JB1
G31328	SCBR4.0-38-100-P-NS-JB2	4.0	.038	100	JB2
G11997	SCBR5.0-38-100-P-NS-JB1	5.0	.038	100	JB1
G11998	SCBR5.0-38-100-P-NS-JB2	5.0	.038	100	JB2
G13530	SCBR5.0-38-125-P-NS-JB1	5.0	.038	125	JB1
Davis Cerebral					
G31004	SCBR4.0-38-100-P-NS-DAV	4.0	.038	100	DAV
G11996	SCBR5.0-38-100-P-NS-DAV	5.0	.038	100	DAV
G13413	SCBR5.0-38-125-P-NS-DAV	5.0	.038	125	DAV
Hinck Headhunter Cerebral					
G31016	SCBR4.0-38-100-P-NS-H1	4.0	.038	100	H1
G11991	SCBR5.0-38-100-P-NS-H1	5.0	.038	100	H1
Left Vertebral					
G31330	SCBR4.0-38-100-P-NS-VERT	4.0	.038	100	VERT
G12007	SCBR5.0-38-100-P-NS-VERT	5.0	.038	100	VERT
G12168	SCBR5.0-38-125-P-NS-VERT	5.0	.038	125	VERT
Renal Vena Cava					
G43120	SCBR5.0-38-100-P-NS-RVC	5.0	.038	100	RVC
Shuttle Select®					
G48151	SCBR4.5-35-75-P-NS-ANG-SHTL	4.5	.035	75	ANG-SHTL
G48153	SCBR4.5-35-135-P-NS-ANG-SHTL	4.5	.035	135	ANG-SHTL
G48152	SCBR5.5-35-75-P-NS-ANG-SHTL	5.5	.035	75	ANG-SHTL
G31129	SCBR5.5-35-125-P-NS-H1-SHTL	5.5	.035	125	H1-SHTL
G31130	SCBR5.5-35-125-P-NS-JB1-SHTL	5.5	.035	125	JB1-SHTL
G36361	SCBR5.5-35-125-P-NS-JB2-SHTL	5.5	.035	125	JB2-SHTL
G36360	SCBR5.5-35-125-P-NS-SIM2-SHTL	5.5	.035	125	SIM2-SHTL
G36359	SCBR5.5-35-125-P-NS-VTK-SHTL	5.5	.035	125	VTK-SHTL
G48154	SCBR5.5-35-135-P-NS-ANG-SHTL	5.5	.035	135	ANG-SHTL

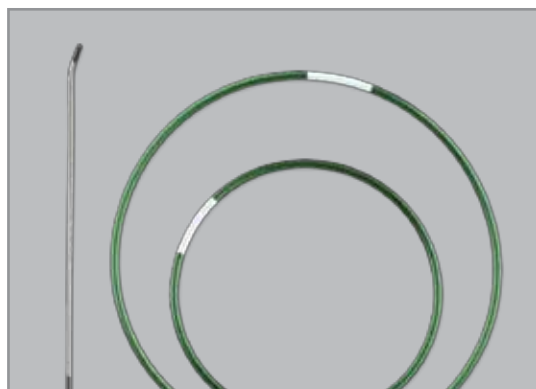
Slip-Cath® Beacon® Tip Catheters (cont.)

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
G31134	SCBR6.5-35-125-P-NS-H1-SHTL	6.5	.035	125	H1-SHTL
G31135	SCBR6.5-35-125-P-NS-JB1-SHTL	6.5	.035	125	JB1-SHTL
G36364	SCBR6.5-35-125-P-NS-JB2-SHTL	6.5	.035	125	JB2-SHTL
G36363	SCBR6.5-35-125-NS-SIM2-SHTL	6.5	.035	125	SIM2-SHTL
G36362	SCBR6.5-35-125-P-NS-VTK-SHTL	6.5	.035	125	VTK-SHTL
Simmons Cerebral					
G31325	SCBR4.0-38-100-P-NS-SIM1	4.0	.038	100	SIM1
G31017	SCBR4.0-38-100-P-NS-SIM2	4.0	.038	100	SIM2
G12000	SCBR5.0-38-100-P-NS-SIM1	5.0	.038	100	SIM1
G11992	SCBR5.0-38-100-P-NS-SIM2	5.0	.038	100	SIM2
G12001	SCBR5.0-38-100-P-NS-SIM3	5.0	.038	100	SIM3
G32369	SCBR5.0-38-125-P-NS-SIM1	5.0	.038	125	SIM1
G13200	SCBR5.0-38-125-P-NS-SIM2	5.0	.038	125	SIM2
Visceral					
G13431	SCBR5.0-38-80-P-NS-VS	5.0	.038	80	VS
G13432	SCBR5.0-38-80-P-NS-VS1	5.0	.038	80	VS1
G13433	SCBR5.0-38-80-P-NS-VS2	5.0	.038	80	VS2
Vitek Cerebral					
G12082	SCBR5.0-38-125-P-NS-VTK	5.0	.038	125	VTK

Continued on next page.

Slip-Cath® Beacon® Tip Catheters (cont.)

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Cobra Visceral					
G31021	SCBR4.0-38-65-P-NS-C2	4.0	.038	65	C2
G31022	SCBR4.0-38-100-P-NS-C2	4.0	.038	100	C2
G12003	SCBR5.0-38-65-P-NS-C1	5.0	.038	65	C1
G11994	SCBR5.0-38-65-P-NS-C2	5.0	.038	65	C2
G12008	SCBR5.0-38-100-P-NS-C2	5.0	.038	100	C2
Roberts Uterine					
G31234	SCBR5.0-35-90-P-NS-RUC	5.0	.035	90	RUC
Slip-Cath® TC					
G36319	SCBR4.0-38-65-P-NS-TC	4.0	.038	65	TC
G36320	SCBR5.0-38-65-P-NS-TC	5.0	.038	65	TC
Slip-Cath® TC-BNK					
G36321	SCBR4.0-38-65-P-NS-TC-BNK	4.0	.038	65	TC-BNK
G36322	SCBR5.0-38-65-P-NS-TC-BNK	5.0	.038	65	TC-BNK
Straight Visceral					
G36391	SCBR4.0-35-150-P-NS-0	4.0	.035	150	straight
G31336	SCBR4.0-38-100-P-NS-0	4.0	.038	100	straight
Rosch Inferior Mesenteric					
G11995	SCBR5.0-38-65-P-NS-RIM	5.0	.038	65	RIM
Multipurpose					
G31023	SCBR4.0-38-100-P-NS-MPA	4.0	.038	100	MPA
G31331	SCBR4.0-38-100-P-NS-MPB	4.0	.038	100	MPB
G12002	SCBR5.0-38-100-P-NS-MPA	5.0	.038	100	MPA
Kumpe Wire Guide Manipulation					
G31019	SCBR4.0-38-65-P-NS-KMP	4.0	.038	65	KMP



CXI® Support Catheters

- Stainless steel braiding provides superior pushability.
- Four radiopaque markers allow vessel segment sizing.
- The distal 40 cm portion has hydrophilic coating for ease of insertion and passage through tortuous anatomy.
- Depth markers clearly show progression into the sheath.
- Low profile and Cook's superior tip tapering process facilitate passage through tight lesions.

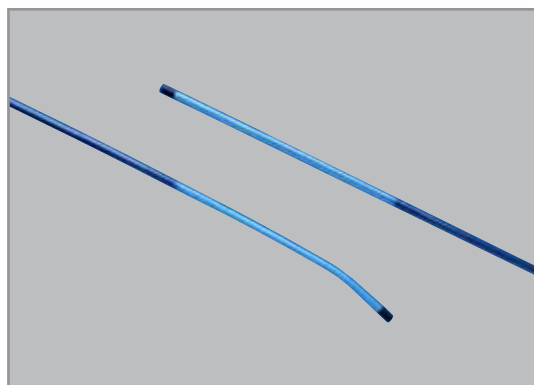
Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Straight					
G18367	CXI-2.6-18-65-P-NS-0	2.6	.018	65	straight
G50004	CXI-2.6-18-90-P-NS-0	2.6	.018	90	straight
G50001	CXI-2.6-18-150-P-NS-0	2.6	.018	150	straight
Angled					
G18368	CXI-2.6-18-65-P-NS-ANG	2.6	.018	65	angled
G50002	CXI-2.6-18-90-P-NS-ANG	2.6	.018	90	angled
G50003	CXI-2.6-18-150-P-NS-ANG	2.6	.018	150	angled
Straight					
G52546	CXI-4.0-35-90-P-NS-0	4.0	.035	90	straight
G52542	CXI-4.0-35-135-P-NS-0	4.0	.035	135	straight
G52544	CXI-4.0-35-150-P-NS-0	4.0	.035	150	straight
Angled					
G52547	CXI-4.0-35-90-P-NS-DAV	4.0	.035	90	angled
G52543	CXI-4.0-35-135-P-NS-DAV	4.0	.035	135	angled
G52545	CXI-4.0-35-150-P-NS-DAV	4.0	.035	150	angled



CrossCath® Support Catheters

- CrossCath support catheters are single-lumen intravascular catheters, designed to support a wire guide during vascular access procedure, allow the exchange of wire guides, and provide a conduit for the delivery of saline solutions or diagnostic contrast agents.
- Three highly radiopaque platinum-iridium markers aid in estimating lengths within the vasculature.
- A hydrophilic coating on its distal end enhances smooth catheter advancement.

Order Number	Reference Part Number	Proximal/Distal Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
G51572	CXC3.0-1.9-14-90-P-NS-0	3.0/1.9	.014	90	straight
G51573	CXC3.0-1.9-14-135-P-NS-0	3.0/1.9	.014	135	straight
G51574	CXC3.0-1.9-14-150-P-NS-0	3.0/1.9	.014	150	straight
G51575	CXC3.4-2.2-18-90-P-NS-0	3.4/2.2	.018	90	straight
G51583	CXC3.4-2.2-18-135-P-NS-0	3.4/2.2	.018	135	straight
G51577	CXC3.4-2.2-18-150-P-NS-0	3.4/2.2	.018	150	straight
G51580	CXC4.8-3.7-35-90-P-NS-0	4.8/3.7	.035	90	straight
G51581	CXC4.8-3.7-35-135-P-NS-0	4.8/3.7	.035	135	straight
G51582	CXC4.8-3.7-35-150-P-NS-0	4.8/3.7	.035	150	straight

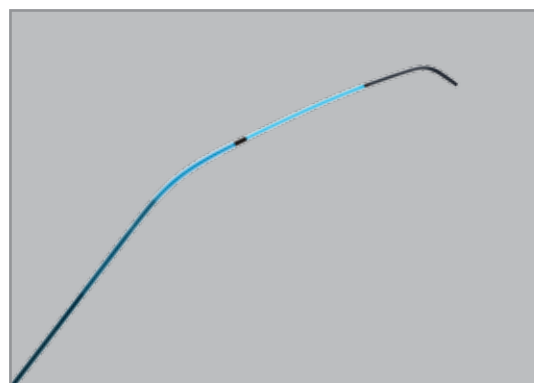


Northstar LuMax® Flex Catheters

Guiding Coaxial Design with AQ® Hydrophilic Coating

- Distal 50 cm segment coated with AQ hydrophilic coating.
- Each guiding catheter is matched to an inner coaxial catheter.
- The inner catheter end hole is tapered to enhance over-the-wire trackability.
- Nylon wrapped stainless steel braid provides excellent torqueability.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Inner Diameter inch	Length cm	Tip Configuration
Angled						
G11140	LMGN-6.0C-90-ANG-HC	6.0	.035	.060	90	angled
G11352	LMGN-7.0C-90-ANG-HC	7.0	.038	.073	90	angled
G11353	LMGN-8.0C-90-ANG-HC	8.0	.038	.086	90	angled
Straight						
G11138	LMGN-6.0C-90-0-HC	6.0	.038	.060	90	straight

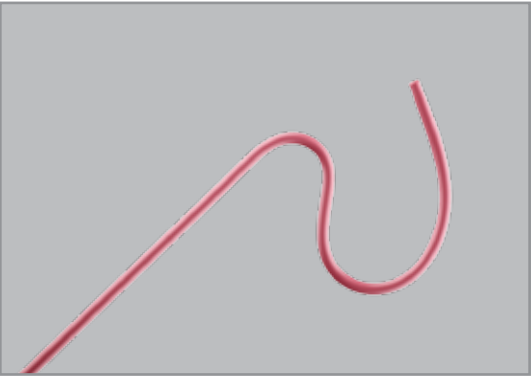


White LuMax® Guiding Catheters

Coaxial Design with AQ® Hydrophilic Coating

- Each guiding catheter is matched to an inner coaxial catheter.
- The inner catheter end hole is tapered to enhance over-the-wire trackability.
- Braided inner catheter coated with AQ hydrophilic coating.
- Nylon wrapped stainless steel braid provides excellent torqueability.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Inner Diameter inch	Length cm	Tip Configuration
Angled/Multipurpose						
G11164	LMGRF-7.0C-80-MPA-PULM	7.0	.038	.073	80	MPA-PULM
Multipurpose						
Visceral Coaxial Guiding Catheter						
G10143	LMGRF-8.0C-55-MPB	8.0	.038	.086	55	MPB



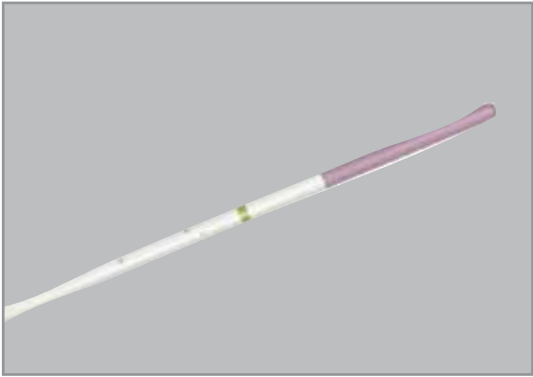
Polyethylene Catheters
Cerebral Angiographic

- Polyethylene material softens during prolonged catheter manipulation.
- Flexible catheter material recommended for low to medium pressure applications.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Bentson–Hanafee–Wilson Cerebral					
G00106	P5.0-35-100-P-NS-JB2	5.0	.035	100	JB2

Polyethylene Catheters
Visceral Angiographic

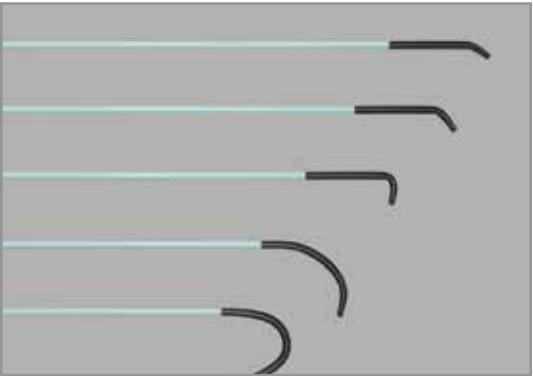
Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm	Tip Configuration
Straight					
G00130	P5.0-35-65-P-NS-0	5.0	.035	65	straight
G00159	P5.0B-38-100-P-NS-0	5.0	.038	100	straight



VOTT™ Van Schie Over-The-Top Catheters

- Used for intraprocedural angiography.

Order Number	Reference Part Number	Fr	Wire Guide Diameter inch	Length cm	Sideports	Tip Configuration
G43342	HNB8.0-35-80-Y-6S-VOTT	8.0	.035	80	6	VOTT
G43343	HNB8.0-35-120-Y-6S-VOTT	8.0	.035	120	6	VOTT



Beacon® Tip Van Schie Seeking Catheters

- Used for catheterization of bifurcated endoluminal AAA stent grafts.

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm
G13795	HNBR5.0-35-65-P-NS-VANSCHIE1	5.0	.035	65
G13794	HNBR5.0-35-65-P-NS-VANSCHIE2	5.0	.035	65
G13792	HNBR5.0-35-65-P-NS-VANSCHIE3	5.0	.035	65
G13783	HNBR5.0-35-65-P-NS-VANSCHIE4	5.0	.035	65
G13793	HNBR5.0-35-65-P-NS-VANSCHIE5	5.0	.035	65

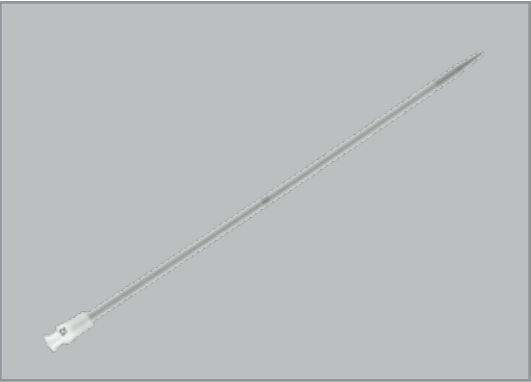
Dilators

Dilators

AQ® Hydrophilic Coating	68
Standard	69
Coons Taper	70

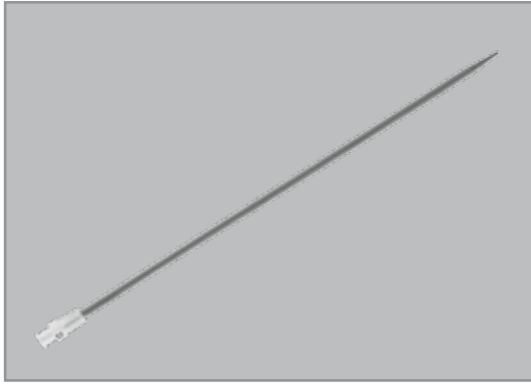
Dilator Sets

Endovascular Dilator Sets	71
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Dilators
AQ® Hydrophilic Coating

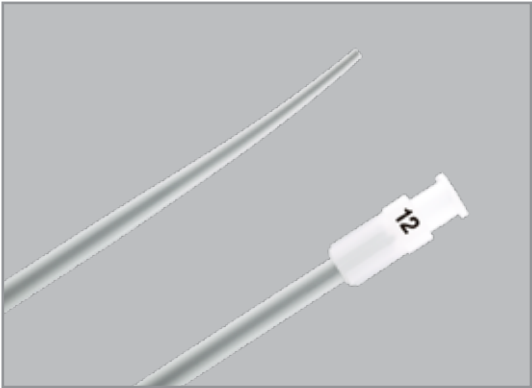
Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm
G10282	JCD5.0-35-20-HC	5.0	.035	20
G10283	JCD5.0-38-20-HC	5.0	.038	20
G10284	JCD6.0-35-20-HC	6.0	.035	20
G10285	JCD6.0-38-20-HC	6.0	.038	20
G10287	JCD7.0-35-20-HC	7.0	.035	20
G10208	JCD7.0-38-20-HC	7.0	.038	20
G10289	JCD8.0-38-20-HC	8.0	.038	20
G10290	JCD9.0-38-20-HC	9.0	.038	20
G10207	JCD10.0-38-20-HC	10.0	.038	20
G10292	JCD12.0-38-20-HC	12.0	.038	20
G10293	JCD14.0-38-20-HC	14.0	.038	20
G10206	JCD16.0-38-20-HC	16.0	.038	20



Dilators

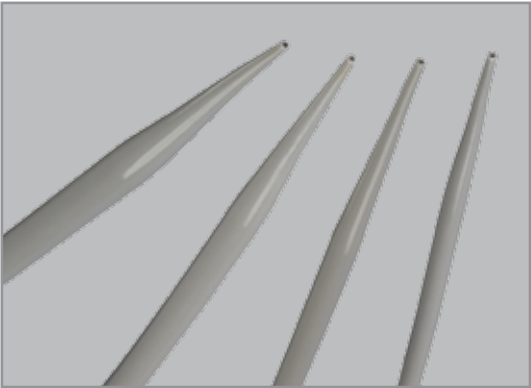
Standard

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm
G02551	NCD4.0-35-15	4.0	.035	15
G02366	NCD4.0-35-20	4.0	.035	20
G00998	JCD5.0-35-15	5.0	.035	15
G00972	JCD5.0-35-20	5.0	.035	20
G00983	JCD5.0-38-20	5.0	.038	20
G00868	JCD6.0-35-20	6.0	.035	20
G00937	JCD6.0-38-20	6.0	.038	20
G00892	JCD7.0-35-20	7.0	.035	20
G00973	JCD7.0-38-20	7.0	.038	20
G00984	JCD8.0-35-20	8.0	.035	20
G00980	JCD8.0-38-20	8.0	.038	20
G00992	JCD9.0-38-20	9.0	.038	20
G00993	JCD10.0-38-20	10.0	.038	20
G00994	JCD11.0-38-20	11.0	.038	20
G00995	JCD12.0-38-20	12.0	.038	20
G01454	JCD13.0-38-20	13.0	.038	20
G00996	JCD14.0-38-20	14.0	.038	20
G01402	JCD15.0-38-20	15.0	.038	20
G01212	JCD16.0-38-20	16.0	.038	20
G01328	JCD18.0-38-20	18.0	.038	20
G01471	JCD20.0-38-20	20.0	.038	20
G01472	JCD22.0-38-20	22.0	.038	20
G01884	JCD24.0-38-20	24.0	.038	20



Dilators
Coons Taper

Order Number	Reference Part Number	Fr	Accepts Wire Guide Diameter inch	Length cm
G04221	JCD6.0-38-20-COONS	6.0	.038	20
G03927	JCD8.0-38-20-COONS	8.0	.038	20
G03928	JCD10.0-38-20-COONS	10.0	.038	20
G03929	JCD12.0-38-20-COONS	12.0	.038	20
G03932	JCD14.0-38-20-COONS	14.0	.038	20
G03947	JCD16.0-38-20-COONS	16.0	.038	20
G04051	JCD18.0-38-20-COONS	18.0	.038	20
G04264	JCD20.0-38-20-COONS	20.0	.038	20
G04443	JCD22.0-38-20-COONS	22.0	.038	20



Endovascular Dilator Sets

- Used to pre-dilate abnormal iliac arteries that must be navigated for the delivery and deployment of endovascular devices.
- Hydrophilic-coated, long-tapered dilator tips provide excellent over-the-wire trackability.
- New standard length of 45 cm.

Order Number	Reference Part Number	Accepts Wire Guide Diameter inch	Fr	Length cm	Hydrophilic Coated
G52833	JCDS-14-EDS-HC	.035	14.0	45	yes
G52834	JCDS-1618-EDS-HC	.035	16.0, 18.0	45	yes
G52835	JCDS-2022-EDS-HC	.035	20.0, 22.0	45	yes
G52836	JCDS-2426-EDS-HC	.035	24.0, 26.0	45	yes

Embolization and Occlusion

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Technology Overview

Overview

- With more than 300 different coils Cook Medical offers the broadest range of embolization products on the market. Embolization products include: pushable and detachable coils, PVA particles, microcatheters, and microwire guides.
- Most coils have a general indication and can be used for both arterial and venous embolization.

Configurations

- Coils come in a variety of shapes: Spiral, Tornado (Helical), Straight, Single Loop, J-shape.



Sizes

- .011, .018, .035, and .038 inches covering the need for both micro- and macro embolization.

Materials

- The majority of coils used are made of either platinum or Inconel.

Platinum

- The soft texture of platinum enables the coils to conform to the vessel creating a dense cross sectional occlusion.

Inconel®

- Inconel is a nickel-chromium based alloy. Its composition is firmer than platinum causing these coils to maintain their shape and exceed greater radial force making our MReye Inconel coils ideal for high-flow environments.

Fibers

- Most coils are provided with nylon fibers ranging from a few fibers to heavily fibered, depending on the coil type. Fibers increase the thrombogenicity of the coils thus creating faster occlusion.

Coil Recommendations		
	High-Flow	Low-Flow
Short Vessels	MReye® Coils Hilal Microcoils™ Flipper® Detachable Coils	Tornado® Coils A, B, C Microcoils Detach Coils Hilal® Microcoils
Long Vessels	MReye® Coils MReye® Jackson Detachable Coils	Nester® Coils Detach™ Coils

MRI-conditional

- All Cook Medical Inconel and platinum coils are MRI- conditional.

MicroCatheters

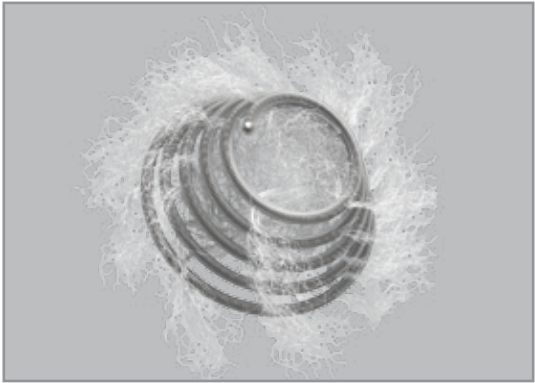
- Cook Medical offers both braided and non-braided microcatheters with good control in a variety of sizes and flow rates.

PVA Foam Embolization Particles

- PVA is a permanent embolic agent that comes in a variety of particle sizes. We offer these particles in a version with a general indication and in a special version approved for uterine fibroid embolization and prostatic artery embolization.

Wire Guides

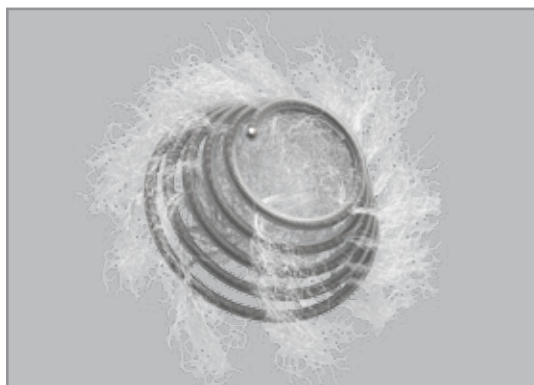
- Cook offers a selection of wire guides and micro wireguides for targeting lesions and wire guides especially recommended for pushing coils. These wire guides are found in the wire guide section.



Tornado® Embolization Microcoils
Soft Platinum

- Ideally suited for tapered vessels and short vessels.
- Soft platinum coil with synthetic fibers to maximize thrombogenicity.
- Tornado configuration maximizes coil exposure to cross section of lumen for disruption of blood flow.
- Available for delivery with .018 and .035 inch end hole catheters.
- MRI conditional.
- The coil is preloaded with the small end first.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Tapering Diameter mm
.018 inch				
G08261	MWCE-18S-3/2-TORNADO	.018	2.0	3-2
G08357	MWCE-18S-4/2-TORNADO	.018	4.0	4-2
G12924	MWCE-18S-4/3-TORNADO	.018	4.0	4-3
G08356	MWCE-18S-5/2-TORNADO	.018	5.0	5-2
G08259	MWCE-18S-6/2-TORNADO	.018	7.0	6-2
G09218	MWCE-18S-7/3-TORNADO	.018	9.0	7-3
G09215	MWCE-18S-8/4-TORNADO	.018	9.5	8-4
G08939	MWCE-18S-8/5-TORNADO	.018	9.0	8-5
G09217	MWCE-18S-10/4-TORNADO	.018	14.2	10-4
G09216	MWCE-18S-10/5-TORNADO	.018	14.2	10-5

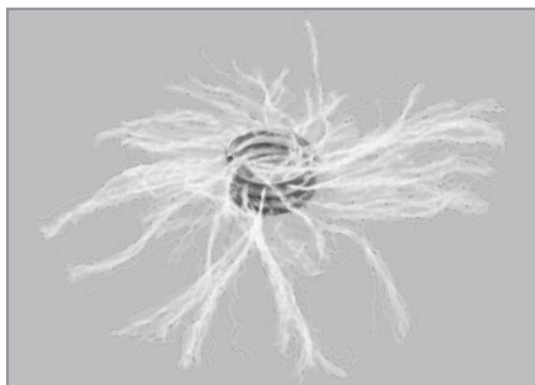


Tornado® Embolization Coils

Platinum

- Ideally suited for tapered vessels and short vessels.
- Platinum coil with synthetic fibers to maximize thrombogenicity.
- Tornado configuration maximizes coil exposure to cross section of lumen for disruption of blood flow.
- Available for delivery with .018 and .035 inch end hole catheters.
- MRI conditional.
- The coil is preloaded with the small end first.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Tapering Diameter mm
.035 inch				
G10414	MWCE-35-4/3-TORNADO	.035	2.6	4-3
G10415	MWCE-35-5/3-TORNADO	.035	4.1	5-3
G10416	MWCE-35-6/3-TORNADO	.035	5.8	6-3
G10417	MWCE-35-7/3-TORNADO	.035	8.0	7-3
G10411	MWCE-35-8/4-TORNADO	.035	8.0	8-4
G10412	MWCE-35-8/5-TORNADO	.035	8.2	8-5
G10418	MWCE-35-10/3-TORNADO	.035	14.0	10-3
G10428	MWCE-35-10/4-TORNADO	.035	12.5	10-4
G10413	MWCE-35-10/5-TORNADO	.035	12.5	10-5



MReye® Embolization Coils

Inconel®

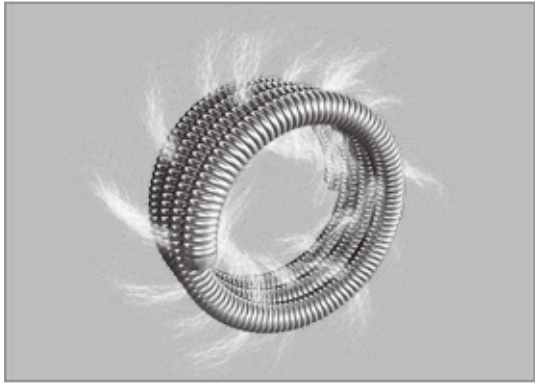
- For embolization of arterial and venous vessels.
- Inconel coil with long synthetic fibers to promote maximum thrombogenicity.
- Maintains greater radial force than platinum coils.
- Available for delivery with .035 and .038 inch end hole catheters.
- MRI conditional.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm	Approximate Configuration loops
.035 inch					
G19989	IMWCE-35-1-3	.035	1.0	3	1.0
G20422	IMWCE-35-1.5-3	.035	1.5	3	1.6
G19992	IMWCE-35-1.5-5	.035	1.5	5	0.9
G42406	IMWCE-35-2-3	.035	2.0	3	2.1
G19948	IMWCE-35-2.5-5	.035	2.5	5	1.6
G42408	IMWCE-35-3-3	.035	3.0	3	3.1
G42409	IMWCE-35-3-4	.035	3.0	4	2.4
G42410	IMWCE-35-3-5	.035	3.0	5	1.9
G20340	IMWCE-35-3-7	.035	3.0	7	1.3
G19952	IMWCE-35-3-8	.035	3.0	8	1.2
G42414	IMWCE-35-4-3	.035	4.0	3	4.2
G20098	IMWCE-35-4-4	.035	4.0	4	3.1
G20447	IMWCE-35-4-5	.035	4.0	5	2.5
G42419	IMWCE-35-5-3	.035	5.0	3	5.2
G20322	IMWCE-35-5-4	.035	5.0	4	3.9
G36405	IMWCE-35-5-5	.035	5.0	5	3.1
G20291	IMWCE-35-5-6	.035	5.0	6	2.6
G19907	IMWCE-35-5-7	.035	5.0	7	2.2
G42423	IMWCE-35-5-8	.035	5.0	8	2.0
G19908	IMWCE-35-5-10	.035	5.0	10	1.6
G20096	IMWCE-35-5-12	.035	5.0	12	1.3
G20149	IMWCE-35-5-15	.035	5.0	15	1.0
G19957	IMWCE-35-8-5	.035	8.0	5	5.0
G20948	IMWCE-35-8-8	.035	8.0	8	3.2
G20207	IMWCE-35-8-10	.035	8.0	10	2.5
G20407	IMWCE-35-8-12	.035	8.0	12	2.1
G20326	IMWCE-35-8-15	.035	8.0	15	1.7
G19956	IMWCE-35-10-5	.035	10.0	5	6.3
G20452	IMWCE-35-10-8	.035	10.0	8	3.9
G20035	IMWCE-35-10-10	.035	10.0	10	3.1
G20825	IMWCE-35-10-12	.035	10.0	12	2.1

Inconel® is a registered trademark of Huntington Alloys Corporation.

MReye® Embolization Coils (cont.)
Inconel®

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm	Approximate Configuration loops
.035 inch Cont.					
G19942	IMWCE-35-10-15	.035	10.0	15	2.1
G52980	IMWCE-35-10-20	.035	10.0	20	1.6
G19929	IMWCE-35-15-10	.035	15.0	10	4.7
G20055	IMWCE-35-15-15	.035	15.0	15	3.1
G19949	IMWCE-35-15-20	.035	15.0	20	2.4
G20616	IMWCE-35-20-10	.035	20.0	10	6.3
G52979	IMWCE-35-20-15	.035	20.0	15	4.2
G20151	IMWCE-35-20-20	.035	20.0	20	3.1
.038 inch					
G19960	IMWCE-38-1-3	.038	1.0	3	1.1
G20165	IMWCE-38-1.5-5	.038	1.5	5	1.0
G42448	IMWCE-38-2-3	.038	2.0	3	2.1
G20338	IMWCE-38-3-3	.038	3.0	3	3.2
G42451	IMWCE-38-3-5	.038	3.0	5	1.9
G42454	IMWCE-38-4-3	.038	4.0	3	4.2
G20013	IMWCE-38-4-4	.038	4.0	4	3.2
G42458	IMWCE-38-5-3	.038	5.0	3	5.3
G20381	IMWCE-38-5-4	.038	5.0	4	4.0
G42460	IMWCE-38-5-5	.038	5.0	5	3.2
G20014	IMWCE-38-5-6	.038	5.0	6	2.6
G20032	IMWCE-38-5-7	.038	5.0	7	2.3
G42463	IMWCE-38-5-8	.038	5.0	8	2.0
G42465	IMWCE-38-5-10	.038	5.0	10	1.6
G42466	IMWCE-38-5-12	.038	5.0	12	1.3
G42467	IMWCE-38-5-15	.038	5.0	15	1.1
G20325	IMWCE-38-6-12	.038	6.0	12	1.6
G42472	IMWCE-38-8-5	.038	8.0	5	5.1
G20546	IMWCE-38-8-8	.038	8.0	8	3.2
G42475	IMWCE-38-8-10	.038	8.0	10	2.5
G19889	IMWCE-38-8-12	.038	8.0	12	2.1
G42477	IMWCE-38-8-15	.038	8.0	15	1.7
G19920	IMWCE-38-10-10	.038	10.0	10	3.2
G20580	IMWCE-38-10-12	.038	10.0	12	2.6
G19950	IMWCE-38-10-15	.038	10.0	15	2.1
G20578	IMWCE-38-10-20	.038	10.0	20	1.6
G19886	IMWCE-38-15-10	.038	15.0	10	4.8
G42487	IMWCE-38-15-15	.038	15.0	15	3.2
G19887	IMWCE-38-15-20	.038	15.0	20	2.4
G52983	IMWCE-38-15-30	.038	15.0	30	1.6
G52984	IMWCE-38-16-45	.038	16.0	45	1.1
G20182	IMWCE-38-20-10	.038	20.0	10	6.4
G33351	IMWCE-38-20-20	.038	20.0	20	3.2



Hilal Embolization Microcoils
Soft Platinum

- Supplied 2 per package.
- For embolization of short superselective vessels.
- Platinum coil with synthetic fibers.
- Straight and curled configurations.
- Available for delivery with .018 inch end hole catheters.
- MRI conditional.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm
Straight-.018 inch				
G19693	MWCE-18S-0.5-0-HILAL	.018	0.5	N/A
G19692	MWCE-18S-0.7-0-HILAL	.018	0.7	N/A
G19694	MWCE-18S-1.0-0-HILAL	.018	1.0	N/A
Curled-.018 inch				
G19695	MWCE-18S-1.0-3-HILAL	.018	1.0	3
G19660	MWCE-18S-1.5-5-HILAL	.018	1.5	5
Multiple-Curled- .018 inch				
G20332	MWCE-18S-2.0-2-HILAL	.018	2.0	2
G20333	MWCE-18S-2.0-4-HILAL	.018	2.0	4
G20222	MWCE-18S-3.0-3-HILAL	.018	3.0	3
G20223	MWCE-18S-3.0-4-HILAL	.018	3.0	4
G19683	MWCE-18S-3.0-10-HILAL	.018	3.0	10
G20336	MWCE-18S-4.0-6-HILAL	.018	4.0	6
G20586	MWCE-18S-4.0-7-HILAL	.018	4.0	7
G20335	MWCE-18S-6.0-5-HILAL	.018	6.0	5
G20551	MWCE-18S-6.0-7-HILAL	.018	6.0	7

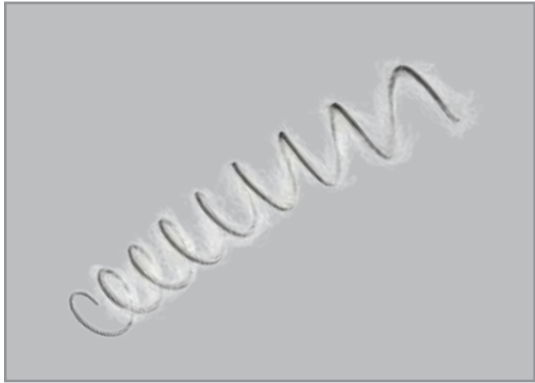


Nester® Embolization Coils

Platinum

- For embolization of moderate to low-flow vessels.
- Good for occlusion of long vessels.
- Platinum coil with synthetic fibers to maximize thrombogenicity.
- Softer than similar type platinum coils (e.g., Tornado) of similar diameter which makes coil conform within vessel for tight nest and optimal occlusion.
- Available in .018 and .035 inch sizes.
- MRI conditional.

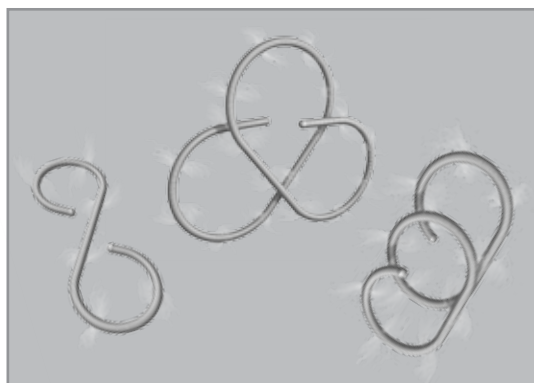
Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm	Approximate Configuration loops
.035 inch					
G23523	MWCE-35-7-3-NESTER	.035	7	3	7.4
G52742	MWCE-35-7-4-NESTER	.035	7	4	5.6
G23524	MWCE-35-7-5-NESTER	.035	7	5	4.5
G52743	MWCE-35-7-6-NESTER	.035	7	6	3.7
G52744	MWCE-35-7-8-NESTER	.035	7	8	2.8
G52745	MWCE-35-7-10-NESTER	.035	7	10	2.2
G52746	MWCE-35-7-12-NESTER	.035	7	12	1.9
G52747	MWCE-35-7-14-NESTER	.035	7	14	1.6
G52748	MWCE-35-7-16-NESTER	.035	7	16	1.4
G52749	NWCE-35-7-18-NESTER	.035	7	18	1.2
G52750	MWCE-35-7-20-NESTER	.035	7	20	1.1
G23525	MWCE-35-14-3-NESTER	.035	14	3	14.9
G26993	MWCE-35-14-4-NESTER	.035	14	4	11.1
G23526	MWCE-35-14-5-NESTER	.035	14	5	8.9
G26994	MWCE-35-14-6-NESTER	.035	14	6	7.4
G26995	MWCE-35-14-8-NESTER	.035	14	8	5.6
G26991	MWCE-35-14-10-NESTER	.035	14	10	4.5
G26992	MWCE-35-14-12-NESTER	.035	14	12	3.7
G52751	MWCE-35-14-14-NESTER	.035	14	14	3.2
G52753	MWCE-35-14-18-NESTER	.035	14	18	2.5
G52754	MWCE-35-14-20-NESTER	.035	14	20	2.2
G23527	MWCE-35-20-5-NESTER	.035	20	5	12.7
G23528	MWCE-35-20-6-NESTER	.035	20	6	10.6
G23529	MWCE-35-20-8-NESTER	.035	20	8	8.0
G23530	MWCE-35-20-10-NESTER	.035	20	10	6.4
G23531	MWCE-35-20-12-NESTER	.035	20	12	5.3
G23532	MWCE-35-20-14-NESTER	.035	20	14	4.5
G23533	MWCE-35-20-16-NESTER	.035	20	16	4.0
G23534	MWCE-35-20-18-NESTER	.035	20	18	3.5
G52756	MWCE-35-20-20-NESTER	.035	20	20	3.2



MicroNester® Embolization Microcoils
Platinum

- For embolization of moderate to low-flow vessels.
- Good for occlusion of long vessels.
- Platinum coil with synthetic fibers to maximize thrombogenicity.
- Softer than similar type platinum coils (e.g., Tornado) of similar diameter which makes coil conform within vessel for tight nest and optimal occlusion.
- Available in .018 and .035 inch sizes.
- MRI conditional.

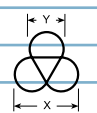
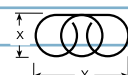
Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm	Approximate Configuration loops
.018 inch					
G52731	MWCE-18-3-2-NESTER	.018	3	2	4.8
G52732	MWCE-18-3-3-NESTER	.018	3	3	3.2
G52733	MWCE-18-5-2-NESTER	.018	5	2	8.0
G52734	MWCE-18-5-3-NESTER	.018	5	3	5.3
G23520	MWCE-18-5-5-NESTER	.018	5	5	3.2
G52735	MWCE-18-7-2-NESTER	.018	7	2	11.1
G52736	MWCE-18-7-3-NESTER	.018	7	3	7.4
G52737	MWCE-18-7-4-NESTER	.018	7	4	5.6
G23521	MWCE-18-7-5-NESTER	.018	7	5	4.5
G52738	MWCE-18-7-6-NESTER	.018	7	6	3.7
G52739	MWCE-18-7-8-NESTER	.018	7	8	2.8
G52741	MWCE-18-7-10-NESTER	.018	7	10	2.2
G26987	MWCE-18-14-3-NESTER	.018	14	3	14.9
G26988	MWCE-18-14-4-NESTER	.018	14	4	11.1
G23522	MWCE-18-14-5-NESTER	.018	14	5	8.9
G26989	MWCE-18-14-6-NESTER	.018	14	6	7.4
G26990	MWCE-18-14-8-NESTER	.018	14	8	5.6
G26986	MWCE-18-14-10-NESTER	.018	14	10	4.5

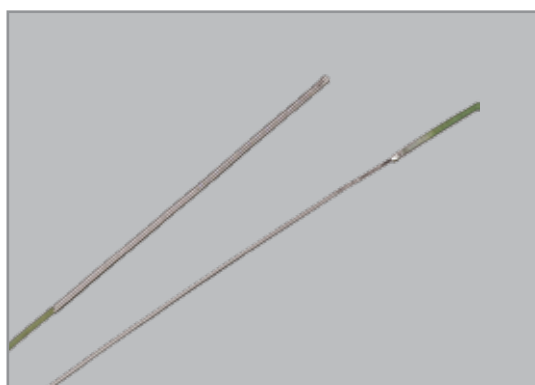


A, B, C Embolization Microcoils with Multiple Curls

Soft Platinum

- For embolization of selective vessels.
- Platinum coil with synthetic fibers to maximum thrombogenicity, softer than similar type platinum coils (e.g., Tornado®) of same diameter.
- Coil configuration conforms within vessel to achieve optimal occlusion.
- Available in types A, B, C.
- Available for delivery with .018 inch end hole catheters.
- MRI conditional.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter (refer to x) mm	Coiled Embolus (refer to Y) mm	Configuration
.018 inch						
Type A						
G19645	MWCE-18S-1.2-2-A	.018	1.2	2	5	
G19659	MWCE-18S-1.8-3-A	.018	1.8	3	7	
G19681	MWCE-18S-2.4-4-A	.018	2.4	4	9	
Type B						
G19646	MWCE-18S-2.0-5-B	.018	2.0	5	2.5	
G19653	MWCE-18S-3.0-7-B	.018	3.0	7	3.5	
G19655	MWCE-18S-4.2-10-B	.018	4.2	10	5	
G19654	MWCE-18S-5.2-12-B	.018	5.2	12	6	
Type C						
G19667	MWCE-18S-2.6-3-C	.018	2.6	3	7	
G19648	MWCE-18S-3.5-4-C	.018	3.5	4	9	



Coil Pusher

- PTFE-coated stainless steel mandril with a long distal tapering, covered with low friction PTFE.
- A radiopaque marker at the distal tip of the coil pusher enhances visualization of the tip during coil insertion.

Order Number	Reference Part Number	Diameter inch	Delivery Wire Length cm
G19633	CP-18-180	.018	180



MReye® Jackson Detachable Embolization Coils

Inconel®

- For embolization of long arterial and venous vessels.
- MReye Coil with high radial force and long synthetic fibers to promote maximum thrombogenicity.
- Detachable coil system for safe and precise positioning.
- Provides possibility of withdrawing or relocating the embolization coil.
- Available for delivery with .035 and .038 inch end hole catheters.
- MRI conditional.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Extended Embolus Length cm	Coiled Embolus Diameter mm	Approximate Configuration loops
.035 inch					
G20102	IMWCE-35-4-3-JACKSON	.035	4	3	4.2
G20103	IMWCE-35-4-4-JACKSON	.035	4	4	3.1
G20104	IMWCE-35-5-5-JACKSON	.035	5	5	3.1
.038 inch					
G20108	IMWCE-38-4-3-JACKSON	.038	4	3	4.2
G20109	IMWCE-38-4-4-JACKSON	.038	4	4	3.1
G20110	IMWCE-38-5-5-JACKSON	.038	5	5	3.1
G20349	IMWCE-38-5-6-JACKSON	.038	5	6	2.6
G20111	IMWCE-38-5-8-JACKSON	.038	5	8	2.0
G20112	IMWCE-38-6-10-JACKSON	.038	6	10	1.9
G20113	IMWCE-38-6-12-JACKSON	.038	6	12	1.6

Inconel® is a registered trademark of Huntington Alloys Corporation.

Jackson Detachable Coil Delivery Systems

Order Number	Reference Part Number	Diameter inch	Fits Catheter Length cm
G33042	JDS-80	.035/.038	80
G33041	JDS-110	.035/.038	110



Flipper® PDA Closure Detachable Coils

Inconel®

- PDA - Patent Ductus Arteriosus.
- MReye® Coil with synthetic fibers to promote maximum thrombogenicity.
- Detachable coil system for safe and precise positioning.
- Provides possibility of withdrawing or relocating the embolization coil.
- Available in a 80 cm or a 110 cm delivery system.
- MRI conditional.

Order Number	Reference Part Number	Coil Diameter mm	Number of Loops
G20231	IMWCE-3-PDA3	3.0	3
G20232	IMWCE-3-PDA4	3.0	4
G20233	IMWCE-3-PDA5	3.0	5
G20234	IMWCE-5-PDA3	5.0	3
G20235	IMWCE-5-PDA4	5.0	4
G20236	IMWCE-5-PDA5	5.0	5
G20624	IMWCE-6.5-PDA3	6.5	3
G20625	IMWCE-6.5-PDA4	6.5	4
G20615	IMWCE-6.5-PDA5	6.5	5
G20237	IMWCE-8-PDA3	8.0	3
G20238	IMWCE-8-PDA4	8.0	4
G20239	IMWCE-8-PDA5	8.0	5

Inconel® is a registered trademark of Huntington Alloys Corporation.

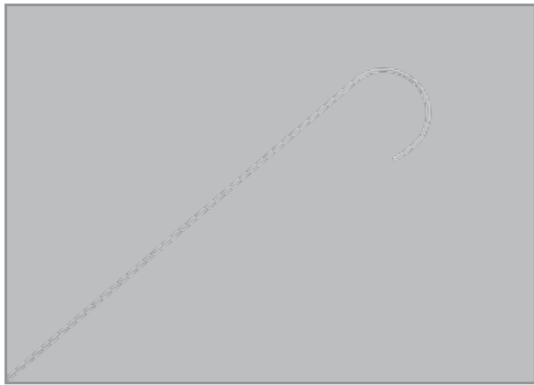
Flipper® 35 PDA Closure Detachable Coil Delivery Systems

Order Number	Reference Part Number	Diameter inch	Fits Catheter Length cm
G20025	TDS-80-PDA	.035	80
G20026	TDS-110-PDA	.035	110

Flipper® 35 PDA Closure Access Sets

Set consists of Flipper 35 PDA Closure Detachable Coil Delivery System TDS-80-PDA or TDS-110-PDA, a 5 Fr Micropuncture® Introducer and a nontapered 5 Fr Multipurpose Catheter.

Order Number	Reference Part Number	Catheter Fr	Fits Catheter Length cm
G20119	PDAS-5.0-80	5.0	80
G20120	PDAS-5.0-110	5.0	110

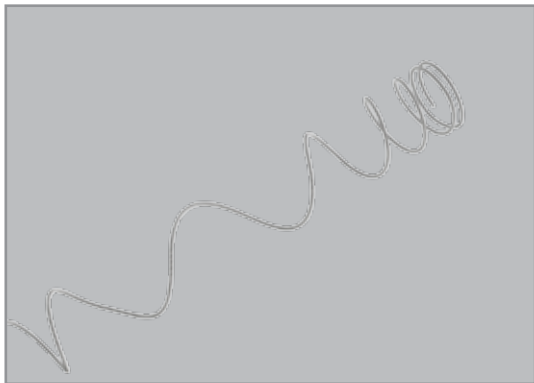


Detach-11® Embolization Coil Systems

Single-Spiral J-Coil® - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.011 inch				
Hydrophilic Lock				
G33253	DCS-11-4-10-HL-J	.011-.017	4	10
G33255	DCS-11-4-15-HL-J	.011-.017	4	15
G33256	DCS-11-4-20-HL-J	.011-.017	4	20
G33257	DCS-11-4-30-HL-J	.011-.017	4	30
G33264	DCS-11-6-15-HL-J	.011-.017	6	15
G33265	DCS-11-6-20-HL-J	.011-.017	6	20
G33267	DCS-11-6-30-HL-J	.011-.017	6	30
G33269	DCS-11-8-15-HL-J	.011-.017	8	15
G33270	DCS-11-8-30-HL-J	.011-.017	8	30

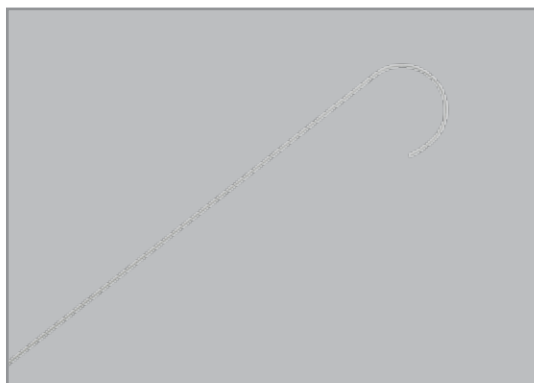


Detach-11® Embolization Coil Systems

Spiral Coil - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.011 inch				
Hydrophilic Lock				
G33249	DCS-11-2-2-HL-SPIRAL	.011-.017	2	2
G33250	DCS-11-2-4-HL-SPIRAL	.011-.017	2	4
G33251	DCS-11-3-4-HL-SPIRAL	.011-.017	3	4
G33252	DCS-11-3-6-HL-SPIRAL	.011-.017	3	6
G33258	DCS-11-4-5-HL-SPIRAL	.011-.017	4	5
G33259	DCS-11-4-8-HL-SPIRAL	.011-.017	4	8
G33254	DCS-11-4-12-HL-SPIRAL	.011-.017	4	12
G33262	DCS-11-5-6-HL-SPIRAL	.011-.017	5	6
G33260	DCS-11-5-10-HL-SPIRAL	.011-.017	5	10
G33261	DCS-11-5-15-HL-SPIRAL	.011-.017	5	15
G33268	DCS-11-6-8-HL-SPIRAL	.011-.017	6	8
G33263	DCS-11-6-12-HL-SPIRAL	.011-.017	6	12
G33266	DCS-11-6-20-HL-SPIRAL	.011-.017	6	20

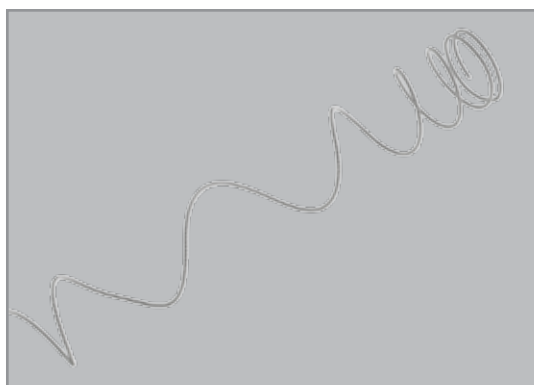


Detach-18® Embolization Coil Systems

Single-Spiral J-Coil® - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch				
Hydrophilic Lock				
G33287	DCS-18-6-30-HL-J	.018-.021	6	30
G33290	DCS-18-8-20-HL-J	.018-.021	8	20
G33292	DCS-18-8-30-HL-J	.018-.021	8	30
G33273	DCS-18-10-30-HL-J	.018-.021	10	30
G33277	DCS-18-12-30 -HL-J	.018-.021	12	30
G33279	DCS-18-12-50-HL-J	.018-.021	12	50
G33281	DCS-18-20-50-HL-J	.018-.021	20	50



Detach-18® Embolization Coil Systems

Spiral Coil - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch				
Hydrophilic Lock				
G33283	DCS-18-4-6-HL-SPIRAL	.018-.021	4	6
G33282	DCS-18-4-12-HL-SPIRAL	.018-.021	4	12
G33284	DCS-18-6-10-HL-SPIRAL	.018-.021	6	10
G33289	DCS-18-8-10-HL-SPIRAL	.018-.021	8	10
G33294	DCS-18-8-30-HL-SPIRAL	.018-.021	8	30
G33275	DCS-18-10-30-HL-SPIRAL	.018-.021	10	30
G33276	DCS-18-12-20-HL-SPIRAL	.018-.021	12	20
G33278	DCS-18-12-30-HL-SPIRAL	.018-.021	12	30

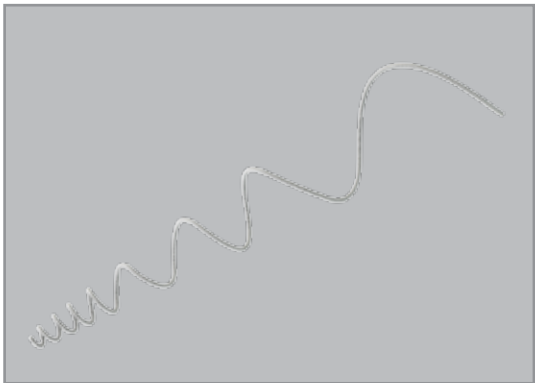


Detach-18® Embolization Coil Systems

Multi-Spiral J-Coil® - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch Hydrophilic Lock				
G33293	DCS-18-8-30-HL-MCJ	.018-.021	8	30
G33274	DCS-18-10-30-HL-MCJ	.018-.021	10	30
G33280	DCS-18-15-30-HL-MCJ	.018-.021	15	30

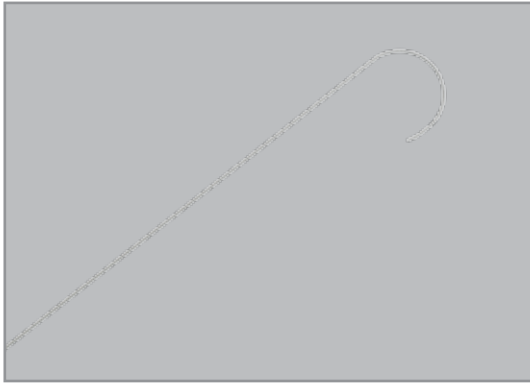


Detach-18® Embolization Coil System

Tornado® Coil - Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Tapering Diameter mm	Coiled Embolus Length cm
.018 inch Hydrophilic Lock				
G33295	DCS-18-8/3-14-HL-TORNADO	.018-.021	8-3	14

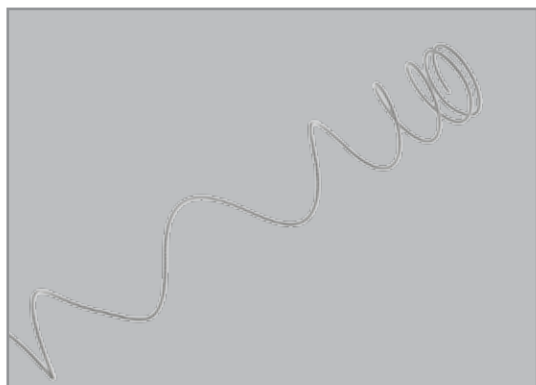


Detach-18® Embolization Coil Systems

Single-Spiral J-Coil® - Soft Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch				
Hydrophilic Lock				
G33308	DCS-18S-4-15-HL-J	.018-.021	4	15
G33309	DCS-18S-4-25-HL-J	.018-.021	4	25
G33311	DCS-18S-4-50-HL-J	.018-.021	4	50
G33314	DCS-18S-6-15-HL-J	.018-.021	6	15
G33317	DCS-18S-6-25-HL-J	.018-.021	6	25
G33318	DCS-18S-6-50-HL-J	.018-.021	6	50
G33321	DCS-18S-8-15-HL-J	.018-.021	8	15
G33324	DCS-18S-8-25-HL-J	.018-.021	8	25
G33325	DCS-18S-8-50-HL-J	.018-.021	8	50
G33299	DCS-18S-10-50-HL-J	.018-.021	10	50
G33301	DCS-18S-15-50-HL-J	.018-.021	15	50



Detach-18® Embolization Coil Systems

Spiral Coil - Soft Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch				
Hydrophilic Lock				
G33305	DCS-18S-3-6-HL-SPIRAL	.018 - .021	3	6
G33306	DCS-18S-3-9-HL-SPIRAL	.018 - .021	3	9
G33310	DCS-18S-4-5-HL-SPIRAL	.018 - .021	4	5
G33307	DCS-18S-4-10-HL-SPIRAL	.018 - .021	4	10
G33313	DCS-18S-5-7-HL-SPIRAL	.018 - .021	5	7
G33312	DCS-18S-5-12-HL-SPIRAL	.018 - .021	5	12
G33319	DCS-18S-6-8-HL-SPIRAL	.018 - .021	6	8
G33316	DCS-18S-6-15-HL-SPIRAL	.018 - .021	6	15
G33320	DCS-18S-8-10-HL-SPIRAL	.018 - .021	8	10
G33323	DCS-18S-8-20-HL-SPIRAL	.018 - .021	8	20
G33296	DCS-18S-10-20-HL-SPIRAL	.018 - .021	10	20
G33300	DCS-18S-14-30-HL-SPIRAL	.018 - .021	14	30
G33302	DCS-18S-16-50-HL-SPIRAL	.018 - .021	16	50
G33303	DCS-18S-18-50-HL-SPIRAL	.018 - .021	18	50
G33304	DCS-18S-20-50-HL-SPIRAL	.018 - .021	20	50

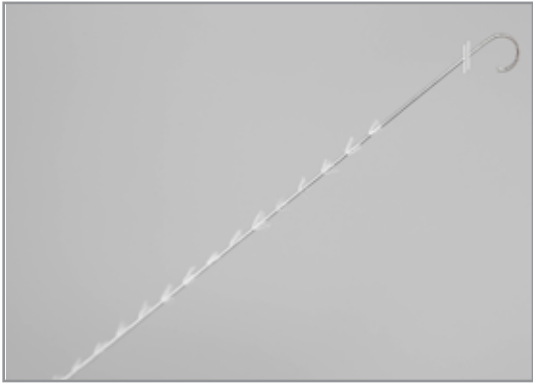


Detach-18® Embolization Coil Systems

Multi-Spiral J-Coil® - Soft Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm
.018 inch				
Hydrophilic Lock				
G33315	DCS-18S-6-15-HL-MCJ	.018 - .021	6	15
G33322	DCS-18S-8-20-HL-MCJ	.018 - .021	8	20
G33297	DCS-18S-10-25-HL-MCJ	.018 - .021	10	25
G33298	DCS-18S-10-30-HL-MCJ	.018 - .021	10	30

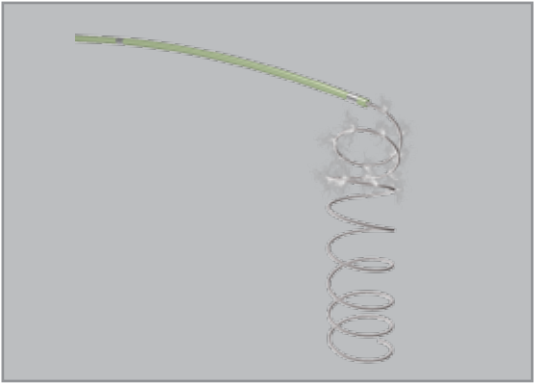


Detach-18® Fibered Embolization Coil Systems

Single-Spiral J-Coil® - Soft Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

Order Number	Reference Part Number	Recommended Catheter ID and End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm	Length of Fibered Portion cm
.018 inch					
Hydrophilic Lock					
G54781	DCS-18SF-4-25-HL-J	.018 - .021	4	25	5
G54783	DCS-18SF-6-25-HL-J	.018 - .021	6	25	5
G54785	DCS-18SF-8-25-HL-J	.018 - .021	8	25	5
G54786	DCS-18SF-10-30-HL-J	.018 - .021	10	30	5
G54500	DCS-18SF-12-30-HL-J	.018 - .021	12	30	5



Detach-18® Fibered Embolization Coil Systems

Spiral Coil - Soft Platinum

- For arterial and venous embolization, including neuro applications.
- Short and long vessels.
- The coil is premounted on a delivery wire.
- The mechanical screwing system enables a safe and rapid detachment with the possibility of repositioning, removal or exchange of the coil.

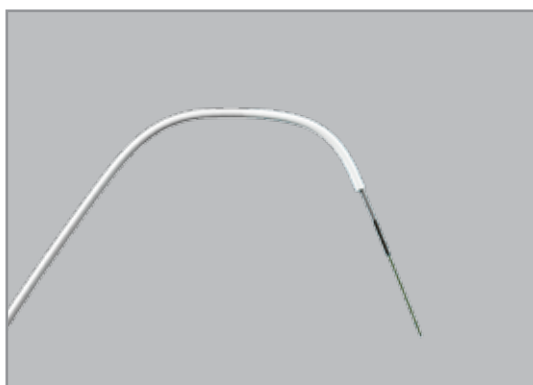
Order Number	Reference Part Number	Recommended Catheter ID/End Hole Diameter inch	Coiled Embolus Diameter mm	Coiled Embolus Length cm	Length of Fibered Portion cm
.018 inch					
Hydrophilic Lock					
G54759	DCS-18SF-3-6-HL-SPIRAL	.018 - .021	3	6	3
G54760	DCS-18SF-3-9-HL-SPIRAL	.018 - .021	3	9	3
G54761	DCS-18SF-4-6-HL-SPIRAL	.018 - .021	4	6	3
G54762	DCS-18SF-4-10-HL-SPIRAL	.018 - .021	4	10	3
G54763	DCS-18SF-5-7-HL-SPIRAL	.018 - .021	5	7	3
G54501	DCS-18SF-5-12-HL-SPIRAL	.018 - .021	5	12	3
G54764	DCS-18SF-6-10-HL-SPIRAL	.018 - .021	6	10	3
G54502	DCS-18SF-6-15-HL-SPIRAL	.018 - .021	6	15	5
G54765	DCS-18SF-8-10-HL-SPIRAL	.018 - .021	8	10	3
G54766	DCS-18SF-8-20-HL-SPIRAL	.018 - .021	8	20	5
G54503	DCS-18SF-8-30-HL-SPIRAL	.018 - .021	8	30	5
G54768	DCS-18SF-10-20-HL-SPIRAL	.018 - .021	10	20	5
G54505	DCS-18SF-10-30-HL-SPIRAL	.018 - .021	10	30	5
G54507	DCS-18SF-12-30-HL-SPIRAL	.018 - .021	12	30	5
G54508	DCS-18SF-14-30-HL-SPIRAL	.018 - .021	14	30	5
G54509	DCS-18SF-16-30-HL-SPIRAL	.018 - .021	16	30	5
G54510	DCS-18SF-18-30-HL-SPIRAL	.018 - .021	18	30	5
G54511	DCS-18SF-20-30-HL-SPIRAL	.018 - .021	20	30	5



Universal Detach™ Locking Device

- For Standard, Soft and SuperSoft Detach Embolization Coils.
- Used to ensure proper introduction and detachment of Detach coils of any size and configuration.

Order Number	Reference Part Number
G33326	DLD-11/18-HL-UNI



Left Vena Spermatika Coaxial Infusion Set

- Set includes:
 - Two-part catheter access needle.
 - .038 inch diameter Roadrunner® wire guide.
 - 6 Fr guiding catheter.
 - .016 inch diameter Roadrunner® wire guide.
 - 3 Fr High-Flow MicroFerret™ catheter.
 - Three-way Stopcock.

Order Number	Reference Part Number
Complete Set, Left	
G20419	SKS-3.0-120-60-L-HC-B.C.73

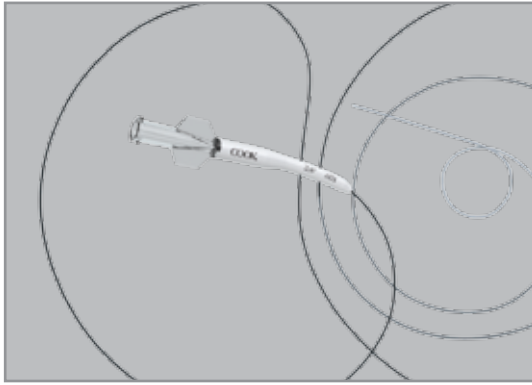


PVA Foam Embolization Particles

- Particle sizes range from 90-2,000 microns.
- Supplied sterile in stopper-sealed bottle.
- Color-coded labeling.

Order Number	Reference Part Number	Particle Size Range µm	Color Code	Volume per Bottle mL
G09662	PVA-100	90-180	black	1
G09663	PVA-200	180-300	green	1
G09664	PVA-300	300-500	purple	1
G09665	PVA-500	500-710	red	1
G09666	PVA-700	710-1,000	blue	1
G09667	PVA-1000	1,000-1,400	orange	1
G09668	PVA-1500	1,400-2,000	yellow	1

Sized according to particles passed through graded sieves.



Cantata® Supers elective Microcatheters

- Large inner diameter can accommodate embolic particles, spheres or microcoils including all .018 inch embolization coils.
- Braided construction for superior control, trackability and kink resistance.
- Lipiodol/DMSO compatibility for a broad range of applications.
- Hydrophilic coating to facilitate introduction and reduce trauma.

Order Number	Reference Part Number	Fr	Catheter Inner Diameter inch	Length cm	Calculated Volume ml	Compatible Angiographic Catheter Minimum ID inch
G54529	MCS-2.5-NT-100-15-HP	2.5	.021	100	.45	.035
G54530	MCS-2.5-NT-110-15-HP	2.5	.021	110	.48	.035
G54531	MCS-2.5-NT-135-15-HP	2.5	.021	135	.53	.035
G54532	MCS-2.5-NT-150-15-HP	2.5	.021	150	.57	.035
G54533	MCS-2.8-NT-100-15-HP	2.8	.025	100	.54	.038
G54534	MCS-2.8-NT-110-15-HP	2.8	.025	110	.57	.038
G54535	MCS-2.8-NT-135-15-HP	2.8	.025	135	.65	.038
G54536	MCS-2.8-NT-150-15-HP	2.8	.025	150	.70	.038

Cantata® Supers elective Microcatheter Sets with a Sagitta®-16 Hydrophilic-Coated Wire

Order Number	Reference Part Number	Fr	Catheter Inner Diameter inch	Length cm	Calculated Volume ml	Compatible Angiographic Catheter Minimum ID inch
G18484	MCSS-2.5-NT-135-SAGITTA-HC	2.5	.021	135	.53	.035
G18487	MCSS-2.5-NT-150-SAGITTA-HC	2.5	.021	150	.57	.035
G18485	MCSS-2.8-NT-135-SAGITTA-HC	2.8	.025	135	.65	.038
G18488	MCSS-2.8-NT-150-SAGITTA-HC	2.8	.025	150	.70	.038

Cantata® Duo Supers elective Microcatheter (two radiopaque markers)

G23799	MCS-2.5-NT2-100-15-HP	2.5	.021	100	.45	.035
G23801	MCS-2.5-NT2-135-15-HP	2.5	.021	135	.53	.035
G23802	MCS-2.5-NT2-150-15-HP	2.5	.021	150	.57	.035
G23803	MCS-2.8-NT2-100-15-HP	2.8	.025	100	.54	.038
G23805	MCS-2.8-NT2-135-15-HP	2.8	.025	135	.65	.038
G23806	MCS-2.8-NT2-150-15-HP	2.8	.025	150	.70	.038

Intravascular Retrieval

Curry Intravascular Retrieval Set 98

Indy OTW Vascular Retrievers..... 98

Dotter Intravascular Retriever Set 99

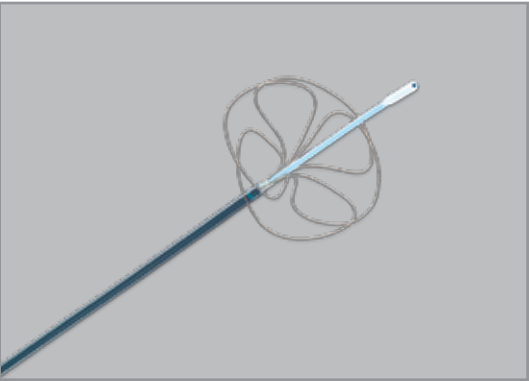
Angled Wire Loop Retrievers 99

Vascular Retrieval Forceps 99



Curry Intravascular Retrieval Set

Order Number	Reference Part Number	Shaft Fr	Shaft Length cm	Wire Snare Diameter inch	Wire Snare Folded Length cm
G03403	CRS-200	6.3	100	.018	150

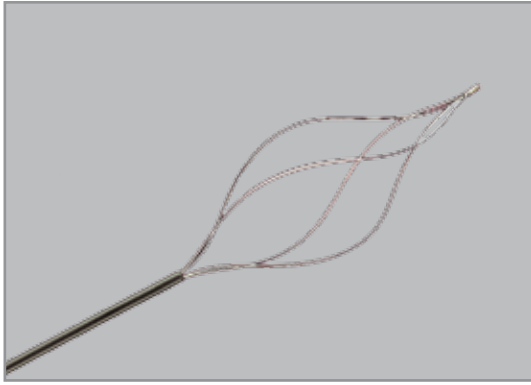


Indy OTW Vascular Retrievers

Used to simplify retrieval of wire guides and other foreign bodies, saving you valuable time in the OR.

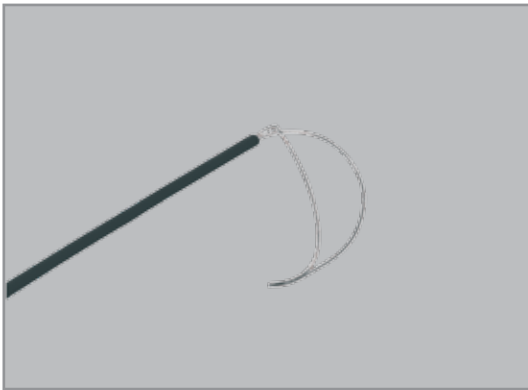
- 4 loop nitinol wire snare.
- Over-the-wire capabilities.
- Flexor® Introducer Sheath.

Order Number	Reference Part Number	Sheath Outer Diameter Fr	Accepts Wire Guide Diameter inch	Sheath Length cm	Basket Diameter mm
G51835	INDY-8.0-35-55-40	8.0	.035	55	40
G51836	INDY-8.0-35-100-40	8.0	.035	100	40



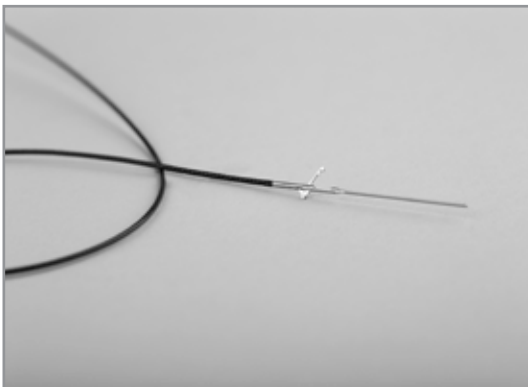
Dotter Intravascular Retriever Set

Order Number	Reference Part Number	Shaft Fr	Shaft Length cm	Basket Diameter cm	Basket Length cm
G03404	DRS-100	8.0	95	3	7



Angled Wire Loop Retrievers

Order Number	Reference Part Number	Fr	Length cm	Loop Diameter mm
G19297	AWLR-5.0-50-10	5.0	50	10
G19311	AWLR-6.3-100-10	6.3	100	10
G19296	AWLR-6.3-100-25	6.3	100	25



Vascular Retrieval Forceps

Order Number	Reference Part Number	Fr	Length cm
G07187	VRF-3.0-120	3.0	120
G07897	VRF-3.0-135	3.0	135

Introducers

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Technology Overview

Diversity

Broad selection of materials (PTFE, FEP, Flexor®) and sizes (4.0 to 18.0 Fr).

Valve Option

Multiple valve configurations are available to meet your specific hemostasis needs.



Configurations

Flexor® introducers with different tip configurations for various anatomic needs.

ANL0
Straight



ANL1
Multipurpose



ANL2
Renal Double

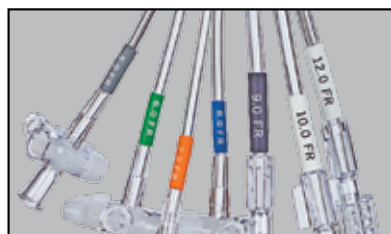


ANL3
Cobra



Color-Coded Convenience

Sizes range from 4.0 Fr through 12.0 Fr. Each size is color coded for your convenience.



Precision

RB™ radiopaque band/tip facilitates precise positioning.

Flexor® Technology

Where access is difficult, Flexor adapts. Where delivery is demanding, Flexor rises to the challenge. Introducers with Flexor technology have been developed to address everything from the everyday to the most challenging access.

Kink Resistance

Patented coil-reinforced construction provides optimal flexibility and maximum resistance to kinking or compression.



Low Friction

Large, low-friction PTFE-coated lumen facilitates effortless device delivery.

Greater Visibility

Radiopaque band, seamlessly incorporated within the sheath material, identifies precise location of the distal tip for positioning accuracy.

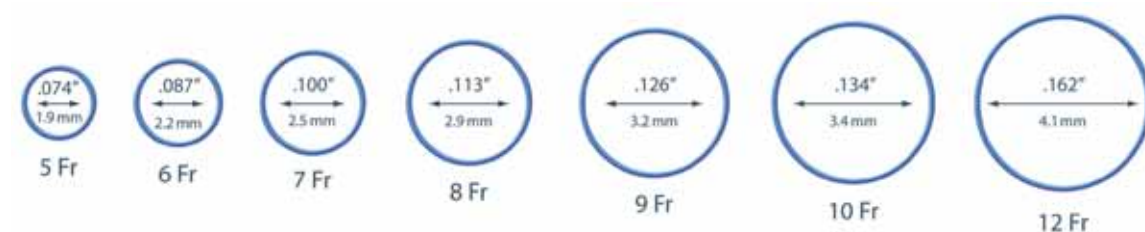


Enhanced Trackability

Selected configurations are available with AQ® hydrophilic coating to dramatically reduce friction and enhance trackability.

Diameter Selection

Large lumens with low-friction inner surface facilitate unconstrained device delivery.

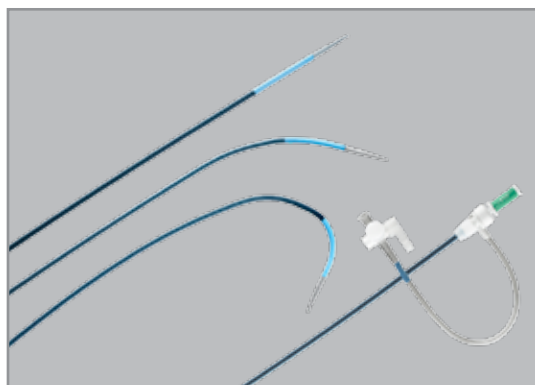




Flexor® Check-Flo® Introducers

- Distal radiopaque band.
- No AQ® Hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
13 cm Length Introducer						
G10332	KCFW-6.0-35-RB	6.0	.087/2.21	.035	13	20
30 cm Length Introducer						
G32194	KCFW-5.0-38-30-RB	5.0	.074/1.88	.038	30	37
G08867	KCFW-6.0-38-30-RB	6.0	.087/2.21	.038	30	37
G08246	KCFW-7.0-38-30-RB	7.0	.100/2.54	.038	30	37
G07878	KCFW-8.0-38-30-RB	8.0	.113/2.87	.038	30	37
G13032	KCFW-10.0-38-30-RB	10.0	.134/3.40	.038	30	41
40 cm Length Introducer						
G32233	KCFW-10.0-38-40-RB	10.0	.134/3.40	.038	40	51
G32373	KCFW-12.0-38-40-RB	12.0	.162/4.12	.038	40	51
45 cm Length Introducer						
G49570	KCFW-5.0-38-45-RB	5.0	.074/1.88	.038	45	52
G09908	KCFW-6.0-35-45-RB	6.0	.087/2.21	.035	45	52
G09809	KCFW-6.0-38-45-RB	6.0	.087/2.21	.038	45	52
G09810	KCFW-7.0-38-45-RB	7.0	.100/2.54	.038	45	52
G09601	KCFW-8.0-38-45-RB	8.0	.113/2.87	.038	45	52
80 cm Length Introducer						
G13033	KCFW-10.0-38-80-RB	10.0	.134/3.40	.038	80	91
G49487	KCFW-12.0-38-80-RB	12.0	.162/4.12	.038	80	91
90 cm Length Introducer						
G13129	KCFW-6.0-38-90-RB	6.0	.087/2.21	.038	90	97
G11617	KCFW-7.0-38-90-RB	7.0	.100/2.54	.038	90	97
G09602	KCFW-8.0-38-90-RB	8.0	.113/2.87	.038	90	97

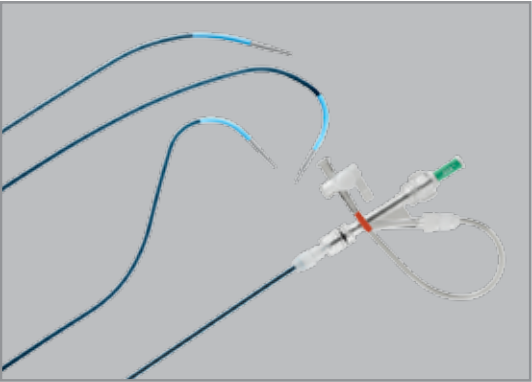


Flexor® Ansel

Guiding Sheaths

- Soft distal tip.
- Distal radiopaque band.
- Two dilators (.018 inch and .035/.038 inch) included.
- Three tip configurations (Straight, Multipurpose, Renal Double).
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
45 cm Length Introducer							
Ansel Modification with Check-Flo valve							
G48186	KCFW-4.0-18/35-45-RB-ANL0-HC	4.0	.0595/1.51	.018/.035	45	47	Straight
G44153	KCFW-5.0-18/38-45-RB-ANL0-HC	5.0	.074/1.88	.018/.038	45	46.5	Straight
G29981	KCFW-5.0-18/38-45-RB-ANL1-HC	5.0	.074/1.88	.018/.038	45	46.5	Multipurpose
G30117	KCFW-5.0-18/38-45-RB-ANL2-HC	5.0	.074/1.88	.018/.038	45	46.5	Renal Double
G44154	KCFW-6.0-18/38-45-RB-ANL0-HC	6.0	.087/2.21	.018/.038	45	46.5	Straight
G29982	KCFW-6.0-18/38-45-RB-ANL1-HC	6.0	.087/2.21	.018/.038	45	46.5	Multipurpose
G29983	KCFW-6.0-18/38-45-RB-ANL2-HC	6.0	.087/2.21	.018/.038	45	46.5	Renal Double
G44155	KCFW-7.0-18/38-45-RB-ANL0-HC	7.0	.100/2.54	.018/.038	45	46.5	Straight
G29985	KCFW-7.0-18/38-45-RB-ANL1-HC	7.0	.100/2.54	.018/.038	45	46.5	Multipurpose
G29986	KCFW-7.0-18/38-45-RB-ANL2-HC	7.0	.100/2.54	.018/.038	45	46.5	Renal Double
G49099	KCFW-8.0-18/38-45-RB-ANL0-HC	8.0	.113/2.87	.018/.038	45	46.5	Straight
G49100	KCFW-8.0-18/38-45-RB-ANL1-HC	8.0	.113/2.87	.018/.038	45	51	Multipurpose
G49101	KCFW-9.0-18/38-45-RB-ANL0-HC	9.0	.126/3.20	.018/.038	45	46.5	Straight
90 cm Length Introducer							
Ansel Modification with Check-Flo valve							
G48188	KCFW-4.0-18/35-90-RB-ANL0-HC	4.0	.0595/1.51	.018/.035	90	92	Straight
G48189	KCFW-5.0-18/38-90-RB-ANL0-HC	5.0	.074/1.88	.018/.038	90	91.5	Straight
G29988	KCFW-5.0-18/38-90-RB-ANL1-HC	5.0	.074/1.88	.018/.038	90	91.5	Multipurpose
G36331	KCFW-5.0-18/38-90-RB-ANL2-HC	5.0	.074/1.88	.018/.038	90	91.5	Renal Double
G29989	KCFW-6.0-18/38-90-RB-ANL1-HC	6.0	.087/2.21	.018/.038	90	91.5	Multipurpose
G29990	KCFW-6.0-18/38-90-RB-ANL2-HC	6.0	.087/2.21	.018/.038	90	91.5	Renal Double
110 cm Length Introducer							
Ansel Modification with Check-Flo valve							
G48191	KCFW-4.0-18/35-110-RB-ANL0-HC	4.0	.0595/1.51	.018/.035	110	112	Straight
G48192	KCFW-5.0-18/38-110-RB-ANL0-HC	5.0	.074/1.88	.018/.038	110	111.5	Straight

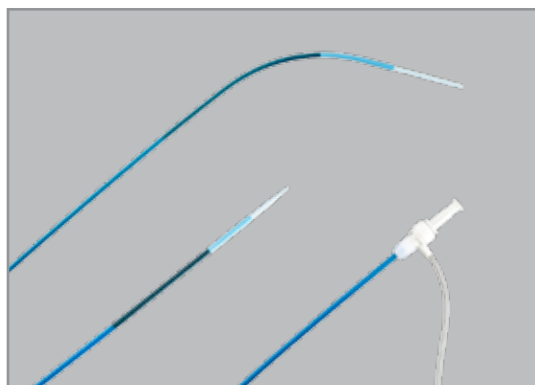


Flexor® Ansel

Guiding Sheaths

- Soft distal tip.
- Various curve configurations.
- Distal radiopaque band.
- Two dilators (.018 inch and .035/.038 inch) included.
- Three tip configurations (Multipurpose, Renal Double and Cobra).
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

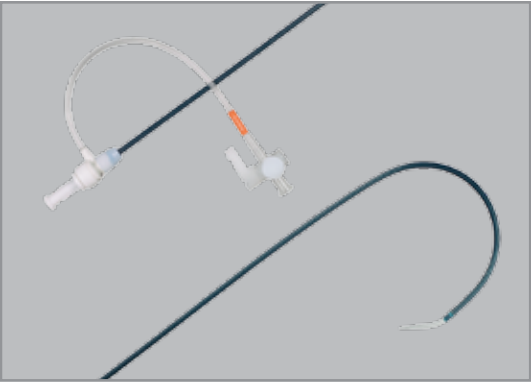
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
55 cm Length Introducer							
Ansel Modification with Tuohy-Borst valve							
G29995	KSAW-5.0-18/38-55-RB-ANL1-HC	5.0	.074/1.88	.018/.038	55	56.5	Multipurpose
G30120	KSAW-5.0-18/38-55-RB-ANL2-HC	5.0	.074/1.88	.018/.038	55	56.5	Renal Double
G30121	KSAW-5.0-18/38-55-RB-ANL3-HC	5.0	.074/1.88	.018/.038	55	56.5	Cobra
G29996	KSAW-6.0-18/38-55-RB-ANL1-HC	6.0	.087/2.21	.018/.038	55	56.5	Multipurpose
G29997	KSAW-6.0-18/38-55-RB-ANL2-HC	6.0	.087/2.21	.018/.038	55	56.5	Renal Double
G29998	KSAW-6.0-18/38-55-RB-ANL3-HC	6.0	.087/2.21	.018/.038	55	56.5	Cobra
G29999	KSAW-7.0-18/38-55-RB-ANL1-HC	7.0	.100/2.54	.018/.038	55	56.5	Multipurpose
G30000	KSAW-7.0-18/38-55-RB-ANL2-HC	7.0	.100/2.54	.018/.038	55	56.5	Renal Double
G30001	KSAW-7.0-18/38-55-RB-ANL3-HC	7.0	.100/2.54	.018/.038	55	56.5	Cobra



Flexor® Check-Flo® Introducers with High-Flex Dilator

- Softer High-Flex dilator for enhanced trackability.
- Transition zones for enhanced flexibility.
- Soft distal tip.
- Distal radiopaque band.
- Two tip configurations (Straight, Multipurpose).
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
45 cm Length Introducer							
Ansel Modification with High-Flex Dilator							
G56278	KCFW-10.0-35-45-RB-HFANL0-HC	10.0	.134/3.40	.035	45	47	Straight
G47700	KCFW-10.0-35-45-RB-HFANL1-HC	10.0	.134/3.40	.035	45	47	Multipurpose
G56279	KCFW-12.0-35-45-RB-HFANL0-HC	12.0	.162/4.12	.035	45	47	Straight
G47701	KCFW-12.0-35-45-RB-HFANL1-HC	12.0	.162/4.12	.035	45	47	Multipurpose
55 cm Length Introducer							
Ansel Modification with High-Flex Dilator							
G56229	KCFW-4.0-35-55-RB-HFANL0-HC	4.0	.0595/1.51	.035	55	57	Straight
G56234	KCFW-4.0-35-55-RB-HFANL1-HC	4.0	.0595/1.51	.035	55	57	Multipurpose
G56230	KCFW-5.0-35-55-RB-HFANL0-HC	5.0	.074/1.88	.035	55	57	Straight
G56235	KCFW-5.0-35-55-RB-HFANL1-HC	5.0	.074/1.88	.035	55	57	Multipurpose
G56231	KCFW-6.0-35-55-RB-HFANL0-HC	6.0	.087/2.21	.035	55	57	Straight
G56236	KCFW-6.0-35-55-RB-HFANL1-HC	6.0	.087/2.21	.035	55	57	Multipurpose
G56232	KCFW-7.0-35-55-RB-HFANL0-HC	7.0	.100/2.54	.035	55	57	Straight
G49043	KCFW-7.0-35-55-RB-HFANL1-HC	7.0	.100/2.54	.035	55	57	Multipurpose
G56233	KCFW-8.0-35-55-RB-HFANL0-HC	8.0	.113/2.87	.035	55	57	Straight
G49045	KCFW-8.0-35-55-RB-HFANL1-HC	8.0	.113/2.87	.035	55	57	Multipurpose
70 cm Length Introducer							
Ansel Modification with High-Flex Dilator							
G56219	KCFW-4.0-35-70-RB-HFANL0-HC	4.0	.0595/1.51	.035	70	72	Straight
G56224	KCFW-4.0-35-70-RB-HFANL1-HC	4.0	.0595/1.51	.035	70	72	Multipurpose
G56220	KCFW-5.0-35-70-RB-HFANL0-HC	5.0	.074/1.88	.035	70	72	Straight
G56225	KCFW-5.0-35-70-RB-HFANL1-HC	5.0	.074/1.88	.035	70	72	Multipurpose
G56221	KCFW-6.0-35-70-RB-HFANL0-HC	6.0	.087/2.21	.035	70	72	Straight
G56226	KCFW-6.0-35-70-RB-HFANL1-HC	6.0	.087/2.21	.035	70	72	Multipurpose
G56222	KCFW-7.0-35-70-RB-HFANL0-HC	7.0	.100/2.54	.035	70	72	Straight
G56227	KCFW-7.0-35-70-RB-HFANL1-HC	7.0	.100/2.54	.035	70	72	Multipurpose
G56223	KCFW-8.0-35-70-RB-HFANL0-HC	8.0	.113/2.87	.035	70	72	Straight
G56228	KCFW-8.0-35-70-RB-HFANL1-HC	8.0	.113/2.87	.035	70	72	Multipurpose
110 cm Length Introducer							
Ansel Modification with High-Flex Dilator							
G49044	KCFW-7.0-35-110-RB-HFANL1-HC	7.0	.100/2.54	.035	110	112	Multipurpose
G49046	KCFW-8.0-35-110-RB-HFANL1-HC	8.0	.113/2.87	.035	110	112	Multipurpose

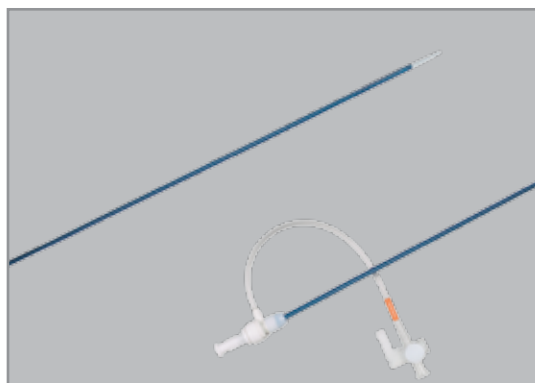


Flexor® Check-Flo® Introducers

Balkin Up & Over® Contralateral Design

- Flexor sheath designed with 180° curve which anchors the bifurcation to stabilize contralateral access.
- Distal radiopaque band.
- Optional AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
40 cm Length Introducer							
Balkin Modification-AQ® Hydrophilic Coating							
G32208	KCFW-5.5-38-40-RB-BLKN-HC	5.5	.081/2.06	.038	40	47	180° curve
G32224	KCFW-6.0-38-40-RB-BLKN-HC	6.0	.087/2.21	.038	40	47	180° curve
G32225	KCFW-7.0-38-40-RB-BLKN-HC	7.0	.100/2.54	.038	40	47	180° curve
G32216	KCFW-8.0-38-40-RB-BLKN-HC	8.0	.113/2.87	.038	40	47	180° curve
40 cm Length Introducer							
Balkin Modification-No AQ® Hydrophilic Coating							
G12656	KCFW-5.5-38-40-RB-BLKN	5.5	.081/2.06	.038	40	47	180° curve
G10383	KCFW-6.0-38-40-RB-BLKN	6.0	.087/2.21	.038	40	47	180° curve
G10384	KCFW-7.0-38-40-RB-BLKN	7.0	.100/2.54	.038	40	47	180° curve
G10385	KCFW-8.0-38-40-RB-BLKN	8.0	.113/2.87	.038	40	47	180° curve
G32372	KCFW-10.0-38-40-RB-BLKN	10.0	.134/3.40	.038	40	51	180° curve
G32374	KCFW-12.0-38-40-RB-BLKN	12.0	.162/4.12	.038	40	51	180° curve

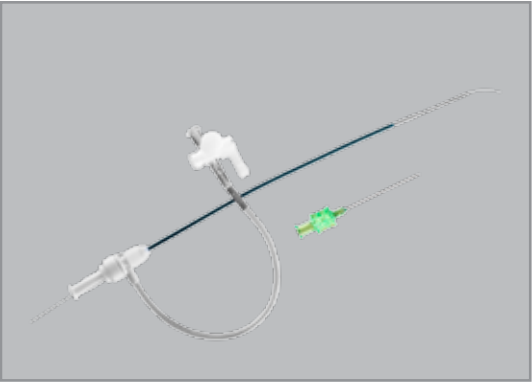


Flexor® Check-Flo® Introducers

Raabe Modification

- Flexor sheath with radiopaque band.
- A wide range of diameters from 4-9 Fr and lengths from 55-90 cm.
- Distal radiopaque band.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
55 cm Length Introducer Raabe Modification						
G48187	KCFW-4.0-35-55-RB-RAABE	4.0	.0595/1.51	.035	55	56.3
G13009	KCFW-5.0-38-55-RB-RAABE	5.0	.074/1.88	.038	55	56.3
G11638	KCFW-6.0-38-55-RB-RAABE	6.0	.087/2.21	.038	55	56.3
G11633	KCFW-7.0-38-55-RB-RAABE	7.0	.100/2.54	.038	55	56.3
G12242	KCFW-8.0-38-55-RB-RAABE	8.0	.113/2.87	.038	55	56.3
G36393	KCFW-9.0-38-55-RB-RAABE	9.0	.126/3.20	.038	55	56.3
70 cm Length Introducer Raabe Modification						
G13091	KCFW-5.0-38-70-RB-RAABE	5.0	.074/1.88	.038	70	71.3
G11636	KCFW-6.0-38-70-RB-RAABE	6.0	.087/2.21	.038	70	71.3
G11635	KCFW-7.0-38-70-RB-RAABE	7.0	.100/2.54	.038	70	71.3
G11637	KCFW-8.0-38-70-RB-RAABE	8.0	.113/2.87	.038	70	71.3
G12606	KCFW-9.0-38-70-RB-RAABE	9.0	.126/3.20	.038	70	71.3
90 cm Length Introducer Raabe Modification						
G13069	KCFW-5.0-38-90-RB-RAABE	5.0	.074/1.88	.038	90	91.3
G12266	KCFW-6.0-38-90-RB-RAABE	6.0	.087/2.21	.038	90	91.3
G11634	KCFW-7.0-38-90-RB-RAABE	7.0	.100/2.54	.038	90	91.3

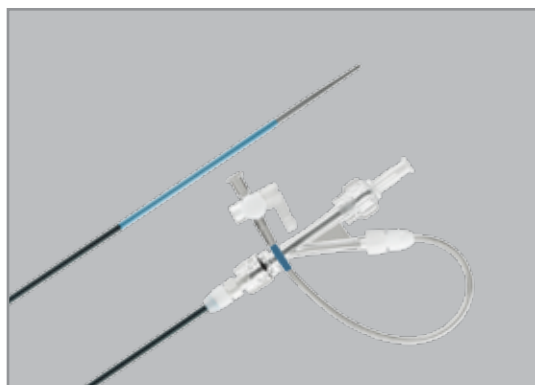


Flexor® Check-Flo® Introducer Sets

Micropuncture® Radial Artery Access

- Specifically designed for radial artery access.
- AQ® hydrophilic coating.
- 21 gage needle included.
- Nitinol wire guide with platinum tip included.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Needle gage/ Length cm	Nitinol Wire Guide inch/ Length cm
7 cm Length Introducer Designed for Radial Use								
G11607	KCFN-6.0-18-7-RA2.5-HC	6.0	.087/2.21	.018	7	13	21/4	.018/25
13 cm Length Introducer Designed for Radial Use								
G12660	KCFN-5.0-18-13-RA2.5-HC	5.0	.074/1.88	.018	13	19	21/4	.018/40
G11604	KCFN-6.0-18-13-RA2.5-HC	6.0	.087/2.21	.018	13	19	21/4	.018/40
G11608	KCFN-7.0-18-13-RA2.5-HC	7.0	.100/2.54	.018	13	19	21/4	.018/40
23 cm Length Introducer Designed for Radial Use								
G12661	KCFN-5.0-18-23-RA2.5-HC	5.0	.074/1.88	.018	23	29	21/4	.018/80
G11605	KCFN-6.0-18-23-RA2.5-HC	6.0	.087/2.21	.018	23	29	21/4	.018/80
G11609	KCFN-7.0-18-23-RA2.5-HC	7.0	.100/2.54	.018	23	29	21/4	.018/80

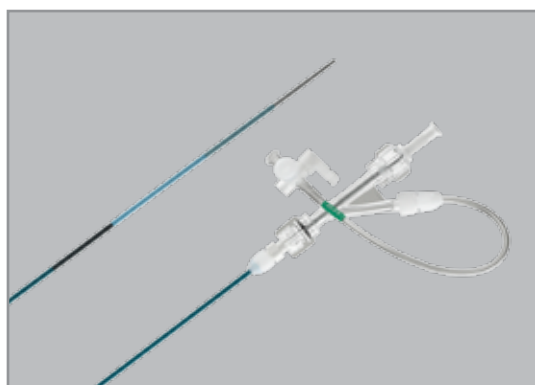


Flexor® Tuohy-Borst Sidearm Introducers

Shuttle®-SL

- Designed for carotid procedures.
- Soft distal tip.
- Distal radiopaque band.
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
80 cm Length Introducer Shuttle Modification						
G13539	KSAW-6.0-38-80-RB-SHTL-HC	6.0	.087/2.21	.038	80	92
G13338	KSAW-7.0-38-80-RB-SHTL-HC	7.0	.100/2.54	.038	80	92
90 cm Length Introducer Shuttle Modification						
G13264	KSAW-6.0-38-90-RB-SHTL-HC	6.0	.087/2.21	.038	90	102
G12835	KSAW-7.0-38-90-RB-SHTL-HC	7.0	.100/2.54	.038	90	102
G12836	KSAW-8.0-38-90-RB-SHTL-HC	8.0	.113/2.87	.038	90	102
110 cm Length Introducer Shuttle Modification						
G50141	KSAW-6.0-38-110-RB-SHTL-HC	6.0	.087/2.21	.038	110	122

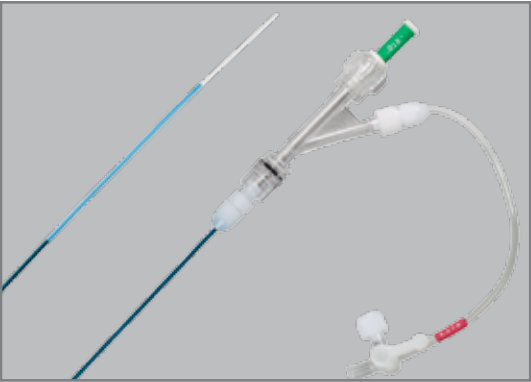


Flexor® Tuohy-Borst Sidearm Introducers

Shuttle Select®

- Designed for carotid procedures.
- Transition zones for enhanced flexibility.
- Soft distal tip.
- Distal radiopaque band.
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

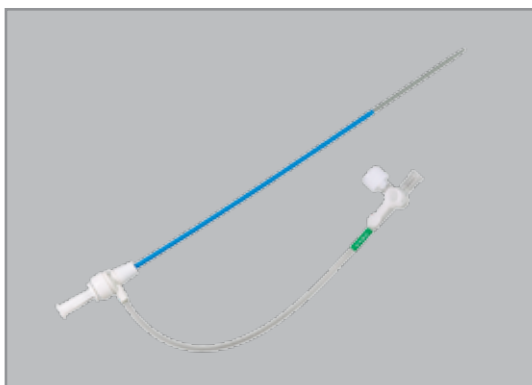
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
90 cm Length Introducer Shuttle Select Modification						
G31133	KSAW-5.0-38-90-RB-SHTL-FLEX-HC	5.0	.074/1.88	.038	90	102
G31138	KSAW-6.0-38-90-RB-SHTL-FLEX-HC	6.0	.087/2.21	.038	90	102



Flexor® Tuohy-Borst Sidearm Introducers
Shuttle®-SL

- Designed for infrapopliteal procedures.
- Soft distal tip.
- Distal radiopaque band.
- Two dilators (.018 inch and .035/.038 inch) included.
- AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

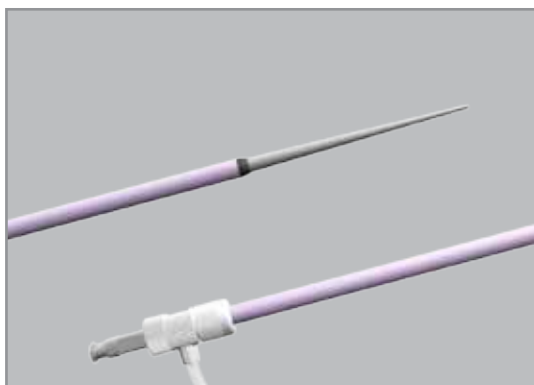
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
90 cm Length Introducer Shuttle Tibial Modification						
G48190	KSAW-4.0-18/35-90-RB-SHTL-HC	4.0	.0595/1.51	.018/.035	90	102
G30009	KSAW-5.0-18/38-90-RB-SHTL-HC	5.0	.074/1.88	.018/.038	90	102
110 cm Length Introducer Shuttle Tibial Modification						
G48193	KSAW-4.0-18/35-110-RB-SHTL-HC	4.0	.0595/1.51	.018/.035	110	122
G48194	KSAW-5.0-18/38-110-RB-SHTL-HC	5.0	.074/1.88	.018/.038	110	122



Performer® Check-Flo® Introducers

- Performer introducers without radiopaque band.
- No distal radiopaque band.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

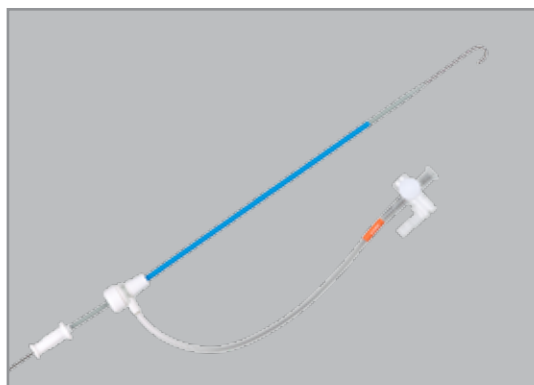
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
13 cm Length Introducer Without Distal Radiopaque Band						
G08194	RCFW-4.0-35	4.0	.062/1.58	.035	13	20
G07427	RCFW-5.0-35	5.0	.074/1.88	.035	13	20
G07429	RCFW-6.0-35	6.0	.087/2.21	.035	13	20
G07420	RCFW-6.0-38	6.0	.087/2.21	.038	13	20
G07431	RCFW-7.0-38	7.0	.100/2.54	.038	13	20
G07432	RCFW-8.0-38	8.0	.113/2.87	.038	13	20
G07762	RCFW-9.0-38	9.0	.126/3.20	.038	13	20
G07600	RCFW-10.0-38	10.0	.134/3.40	.038	13	24
G07601	RCFW-12.0-38	12.0	.162/4.12	.038	13	24



Performer® Check-Flo® Introducers

- Performer introducer with radiopaque band.
- Distal radiopaque band.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

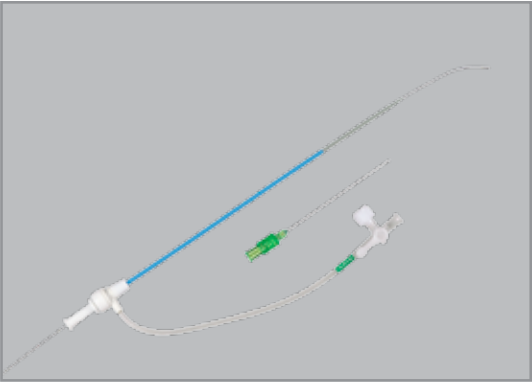
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm
13 cm Length Introducer With Distal Radiopaque Band						
G08452	RCFW-5.0-35-RB	5.0	.074/1.88	.035	13	20
G07919	RCFW-6.0-35-RB	6.0	.087/2.21	.035	13	20
G09118	RCFW-7.0-35-RB	7.0	.100/2.54	.035	13	20
30 cm Length Introducer With Distal Radiopaque Band						
G08550	RCFW-6.0-38-30-RB	6.0	.087/2.21	.038	30	37
G07707	RCFW-7.0-38-30-RB	7.0	.100/2.54	.038	30	37
G08139	RCFW-8.0-38-30-RB	8.0	.113/2.87	.038	30	37
G08686	RCFW-10.0-38-30-RB	10.0	.134/3.40	.038	30	41
G08956	RCFW-12.0-38-30-RB	12.0	.162/4.12	.038	30	41
G08957	RCFW-14.0-38-30-RB	14.0	.202/5.13	.038	30	41
G09691	RCFW-16.0P-38-30-RB	16.0	.218/5.54	.038	30	42
G11672	RCFW-18.0P-38-30-RB	18.0	.243/6.17	.038	30	42
45 cm Length Introducer With Distal Radiopaque Band						
G08955	RCFW-10.0-38-45-RB	10.0	.134/3.40	.038	45	56
G28433	RCFW-12.0-38-45-RB	12.0	.162/4.12	.038	45	56
G28438	RCFW-14.0-38-45-RB	14.0	.202/5.13	.038	45	56
G28445	RCFW-16.0P-38-45-RB	16.0	.218/5.54	.038	45	57
70 cm Length Introducer With Distal Radiopaque Band						
G09582	RCFW-16.0P-38-70-RB	16.0	.218/5.54	.038	70	82
80 cm Length Introducer With Distal Radiopaque Band						
G10407	RCFW-12.0-38-80-RB	12.0	.162/4.12	.038	80	91
G09843	RCFW-14.0-38-80-RB	14.0	.202/5.13	.038	80	91
G09695	RCFW-16.0P-38-80-RB	16.0	.218/5.54	.038	80	92
80 cm Length Introducer With Distal Radiopaque Band						
G27025	RCFW-18.0P-38-85-RB	18.0	.243/6.17	.038	85	97



Performer® Check-Flo® Introducer Sets

- Performer introducer including wire guides with J Tip.
- Wire guide with J Tip included.
- Optional 21 gage needle.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

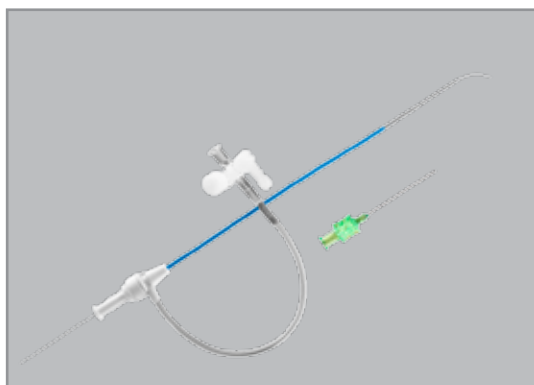
Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Wire Guide Type/J Tip mm	Sheath Length cm	Dilator Length cm
13 cm Length Introducer							
Needle included Wire Guide with J Tip included							
G10025	RCFN-5.0-35-J	5.0	.074/1.88	.035	straight/3	13	20
G10103	RCFN-6.0-38-J	6.0	.087/2.21	.038	straight/3	13	20
G09142	RCFN-8.0-38-J	8.0	.113/2.87	.038	straight/3	13	20
G13799	RCFN-9.0-38-J	9.0	.126/3.20	.038	straight/3	13	20
13 cm Length Introducer							
Needle not included Wire Guide with J Tip included							
G07913	RCF-4.0-35-J	4.0	.062/1.58	.035	straight/3	13	20
G07605	RCF-5.0-35-J	5.0	.074/1.88	.035	straight/3	13	20
G07487	RCF-5.0-38-J	5.0	.074/1.88	.038	straight/3	13	20
G07376	RCF-6.0-35-J	6.0	.087/2.21	.035	straight/3	13	20
G07377	RCF-7.0-35-J	7.0	.100/2.54	.035	straight/3	13	20
G07338	RCF-7.0-38-J	7.0	.100/2.54	.038	straight/3	13	20
G07490	RCF-8.0-38-J	8.0	.113/2.87	.038	straight/3	13	20
G07564	RCF-9.0-38-J	9.0	.126/3.20	.038	straight/3	13	20
G07417	RCF-10.0-38-J	10.0	.134/3.40	.038	straight/3	13	24
G07369	RCF-12.0-38-J	12.0	.162/4.12	.038	straight/3	13	24
G08024	RCF-14.0-38-J	14.0	.188/4.78	.038	straight/3	13	24
45 cm Length Introducer							
Needle not included Wire Guide with J Tip included							
G27242	RCF-5.0-35-45-J	5.0	.074/1.88	.035	straight/3	45	52



Performer Micropuncture® Introducer Sets

- 21 gage needle included.
- .018 inch nitinol wire guide included.
- No AQ® hydrophilic coating included.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Needle gage/Length cm	Nitinol Wire Guide inch/Length cm
13 cm Length Introducer								
Performer Micropuncture Modification								
G12664	RCFN-4.0-18-MPIS-NT	4.0	.062/1.58	.018	13	20	21/7	.018/65
G12424	RCFN-5.0-18-MPIS-NT	5.0	.074/1.88	.018	13	20	21/7	.018/65
G12423	RCFN-6.0-18-MPIS-NT	6.0	.087/2.21	.018	13	20	21/7	.018/65
G12739	RCFN-7.0-18-MPIS-NT	7.0	.100/2.54	.018	13	20	21/7	.018/65



Performer® Check-Flo® Introducer Sets

Micropuncture® Radial Artery Access

- 21 gage needle included.
- Include Nitinol wire guide with platinum tip included.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Needle gage/Length cm	Nitinol Wire Guide inch/Length cm
5.5 cm Length Introducer Designed for Radial Use								
G27022	RCFN-4.0-18-5.5-RA1.5	4.0	.062/1.58	.018	5.5	11	21/4	.018/30
G12018	RCFN-5.0-18-5.5-RA1.5	5.0	.074/1.88	.018	5.5	11	21/4	.018/25
7 cm Length Introducer Designed for Radial Use								
G10268	RCFN-5.0-18-7-RA2.5	5.0	.074/1.88	.018	7	12.5	21/4	.018/30
G10387	RCFN-6.0-18-7-RA2.5	6.0	.087/2.21	.018	7	12.5	21/4	.018/25
13 cm Length Introducer Designed for Radial Use								
G21107	RCFN-4.0-18-13-RA2.5	4.0	.062/1.58	.018	13	18.5	21/4	.018/40
G10266	RCFN-5.0-18-13-RA2.5	5.0	.074/1.88	.018	13	18.5	21/4	.018/40
G10270	RCFN-6.0-18-13-RA2.5	6.0	.087/2.21	.018	13	18.5	21/4	.018/40
23 cm Length Introducer Designed for Radial Use								
G10692	RCFN-4.0-18-23-RA1.5	4.0	.062/1.58	.018	23	28.5	21/4	.018/80
G10267	RCFN-5.0-18-23-RA2.5	5.0	.074/1.88	.018	23	28.5	21/4	.018/80
G10271	RCFN-6.0-18-23-RA2.5	6.0	.087/2.21	.018	23	28.5	21/4	.018/80

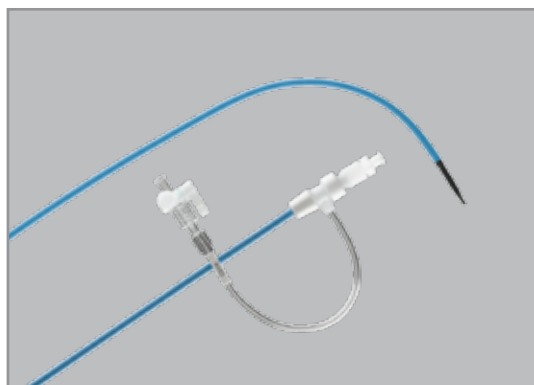


Check-Flo® Introducers

Hausdorf-Lock Atrial

- FEP polymer increases flexibility and maintains curve retention during procedural use.
- Distal radiopaque band.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
75 cm Length Introducer							
Hausdorf-Lock Atrial Modification							
G03769	RCFW-7.0-38-75-RB-HLA-091100-BV	7.0	.100/2.54	.038	75	80.5	Curved
G03770	RCFW-8.0-38-75-RB-HLA-091100-BV	8.0	.113/2.87	.038	75	80.5	Curved
G03771	RCFW-9.0-38-75-RB-HLA-091100	9.0	.126/3.20	.038	75	86	Curved
G28425	RCFW-10.0-38-75-RB-HLA-091100	10.0	.134/3.40	.038	75	86	Curved
G29935	RCFW-11.0-38-75-RB-HLA-091100	11.0	.149/3.79	.038	75	86	Curved
G28434	RCFW-12.0-38-75-RB-HLA-091100	12.0	.162/4.12	.038	75	86	Curved



Performer® Check-Flo® Introducers

Mullins Transseptal Design

- FEP polymer increases flexibility and maintains curve retention during procedural use.
- Distal radiopaque band.
- No AQ® hydrophilic coating.
- The maximum diameter of the instrument or catheter to be introduced should be determined to ensure its passage through the sheath.

Order Number	Reference Part Number	Introducer Fr	Sheath ID inch/mm	Accepts Wire Guide Diameter inch	Sheath Length cm	Dilator Length cm	Tip Configuration
63 cm Length Introducer Mullins Modification							
G08308	RCFW-6.0-38-63-RB-MTS	6.0	.087/2.21	.038	63	68	190° curve
G07816	RCFW-7.0-38-63-RB-MTS	7.0	.100/2.54	.038	63	68	190° curve
G08133	RCFW-8.0-38-63-RB-MTS	8.0	.113/2.87	.038	63	68	190° curve
G08835	RCFW-9.0-38-63-RB-MTS	9.0	.126/3.20	.038	63	68.5	190° curve
G08834	RCFW-10.0-38-63-RB-MTS	10.0	.134/3.40	.038	63	68.5	120° curve
G10011	RCFW-11.0-38-63-RB-MTS	11.0	.149/3.79	.038	63	68.5	120° curve
G10012	RCFW-12.0-38-63-RB-MTS	12.0	.162/4.12	.038	63	68.5	120° curve
75 cm Length Introducer Mullins Modification							
G09532	RCFW-6.0-38-75-RB-MTS	6.0	.087/2.21	.038	75	80	190° curve
G08756	RCFW-7.0-38-75-RB-MTS	7.0	.100/2.54	.038	75	80	190° curve
G08759	RCFW-8.0-38-75-RB-MTS	8.0	.113/2.87	.038	75	80	190° curve
G09190	RCFW-9.0-38-75-RB-MTS	9.0	.126/3.20	.038	75	80.5	190° curve
G08709	RCFW-10.0-38-75-RB-MTS	10.0	.134/3.40	.038	75	80.5	120° curve
G09109	RCFW-11.0-38-75-RB-MTS	11.0	.149/3.79	.038	75	80.5	120° curve
G09171	RCFW-12.0-38-75-RB-MTS	12.0	.162/4.12	.038	75	80.5	120° curve
G09172	RCFW-13.0-38-75-RB-MTS	13.0	.188/4.78	.038	75	80.5	120° curve
85 cm Length Introducer Mullins Modification							
G08600	RCFW-8.0-38-85-RB-MTS	8.0	.113/2.87	.038	85	90	190° curve
G08694	RCFW-9.0-38-85-RB-MTS	9.0	.126/3.20	.038	85	90.5	190° curve
G08903	RCFW-10.0-38-85-RB-MTS	10.0	.134/3.40	.038	85	90.5	120° curve
G09135	RCFW-11.0-38-85-RB-MTS	11.0	.149/3.79	.038	85	90.5	120° curve
G09136	RCFW-12.0-38-85-RB-MTS	12.0	.162/4.12	.038	85	90.5	120° curve
G09102	RCFW-14.0-38-85-RB-MTS	14.0	.202/5.13	.038	85	90.5	120° curve

Micropuncture®

Micropuncture® Introducer Sets Transitionless	
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Micropuncture® Push-Plus™ Introducer Sets Transitionless	
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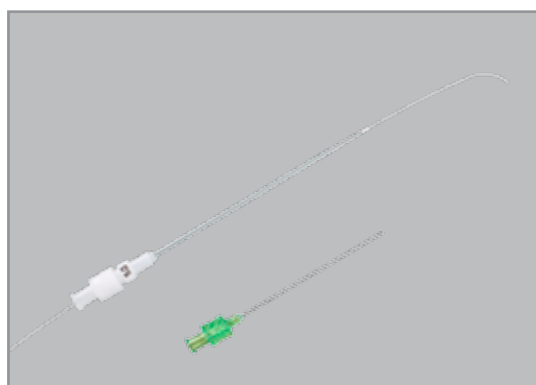


Micropuncture® Introducer Sets Transitionless

- Ultra-smooth insertion with Silhouette® Transitionless™ tip.
- Transitionless introducer catheter (4 or 5 Fr outer diameter and 10 cm length).
- Echogenic needle 21 gage.
- Nitinol wire guide .018 inch.

Order Number	Reference Part Number	Outer Catheter Fr	Outer Catheter Length cm	Wire Guide Diameter inch	Wire Guide Length cm	Needle gage/Length cm	Needle Tip
.018 inch Nitinol Wire Guide – Standard Cannula							
G47942	MPIS-401-NT-SST	4.0	10	.018	40	21/7	
G47944	MPIS-401-NT-U-SST	4.0	10	.018	40	21/7	Echogenic
G43870	MPIS-501-NT-SST	5.0	10	.018	40	21/7	
G43871	MPIS-501-NT-U-SST	5.0	10	.018	40	21/7	Echogenic

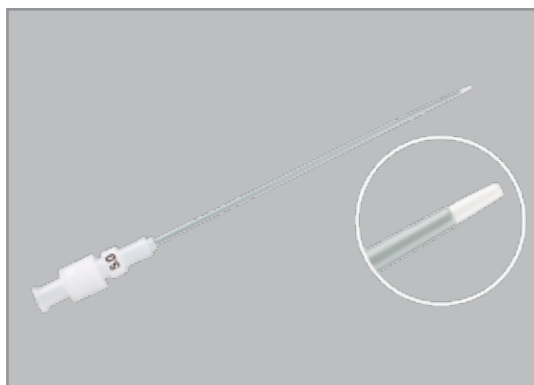
.018 inch Stainless Steel Wire Guide – Standard Cannula							
G47949	MPIS-401-U-SST	4.0	10	.018	40	21/7	Echogenic
G47950	MPIS-405-SST	4.0	10	.018	40	21/7	
G43869	MPIS-501-U-SST	5.0	10	.018	40	21/7	Echogenic
G43872	MPIS-505-SST	5.0	10	.018	40	21/7	



Micropuncture® Push-Plus™ Introducer Sets Transitionless

- Ultra-smooth insertion with Silhouette® Transitionless™ tip.
- Reinforced transitionless introducer catheter (4 or 5 Fr outer diameter 10 cm length).
- Echogenic needle 21 gage.
- Nitinol wire guide .018 inch.

Order Number	Reference Part Number	Outer Catheter Fr	Outer Catheter Length cm	Wire Guide Diameter inch	Wire Guide Length cm	Needle gage/Length cm	Needle Tip
.018 inch Nitinol Wire Guide - Stiffened Cannula							
G48003	MPIS-401-10.0-SC-NT-SST	4.0	10	.018	40	21/7	
G48004	MPIS-401-10.0-SC-NT-U-SST	4.0	10	.018	40	21/7	Echogenic
G48007	MPIS-501-10.0-SC-NT-SST	5.0	10	.018	40	21/7	
G48008	MPIS-501-10.0-SC-NT-U-SST	5.0	10	.018	40	21/7	Echogenic
G48005	MPIS-501-15.0-SC-NT-SST	5.0	15	.018	45	21/7	

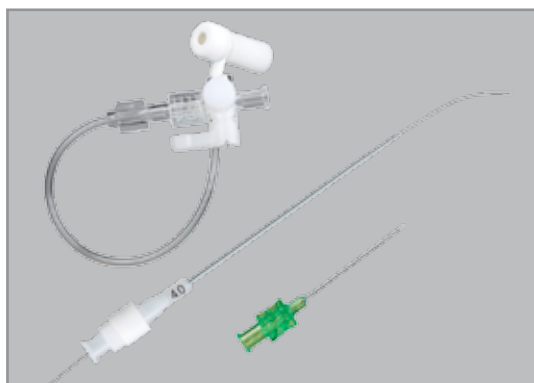


Micropuncture® Push-Plus™ Stiffened Cannula Introducers

Stiffened Cannula

- Ultra-smooth insertion with Silhouette® Transitionless™ tip.
- Reinforced transitionless introducer catheter (4 or 5 Fr outer diameter, 10 cm length).

Order Number	Reference Part Number	Outer Catheter Fr	Outer Catheter Length cm	Accepts Wire Guide inch
Stiffened Cannula				
G53575	JCD4.0-18-10.0-MPIS-SC-SST	4.0	10	.018
G53574	JCD5.0-18-10.0-MPIS-SC-SST	5.0	10	.018



Micropuncture®

Pedal Access Set

- Transitionless Introducer with Attachable Check-Flo® Valve (2.9 Fr ID, 7 cm length).
- Echogenic needle 21 gage.
- Nitinol wire guide .018 inch.

Order Number	Reference Part Number	Introducer OD Fr	Introducer ID Fr	Introducer Length cm	Wire Guide Diameter inch	Wire Guide Length cm	Needle gage/Length cm	Needle Tip
.018 inch Nitinol Wire Guide - Standard Introducer								
G02972	MPIS-401-PEDAL-NT-U-SST	4.0	2.9	7	.018	40	21/4	Echogenic

Needles

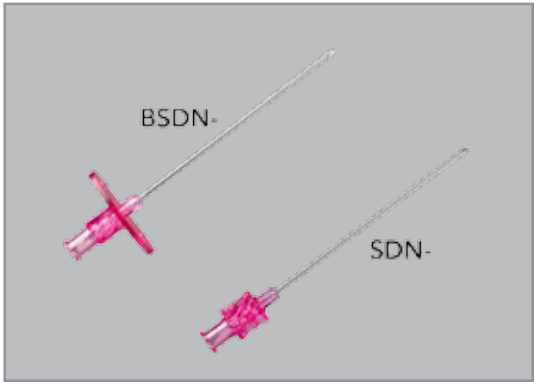
Vascular Access Needles

One Part 126

Two Part 127

Vascular Access Catheter Needles

Two Part 127



Vascular Access Needles

One Part

Order Number	Reference Part Number	Needle gage	Needle Length	Accepts Wire Guide inch	Needle Tip
Baseplate					
G00003	BSDN-18-7.0	18.0	7	.035/.038	
G00004	BSDN-18-9.0	18.0	9	.035/.038	
G27280	BSDN-20-4.0	20.0	4	.018	
Ultrathin Wall					
G04877	BSDN-19UT-7.0	19.0	7	.035	
Without Baseplate					
G00271	SDN-18-4.0	18.0	4	.035/.038	
G00272	SDN-18-5.0	18.0	5	.035/.038	
G00166	SDN-18-7.0	18.0	7	.035/.038	
G04717	SDN-18-7.0-U	18.0	7	.035/.038	Echogenic
G00273	SDN-18-9.0	18.0	9	.035/.038	
G04406	SDN-18-15.0	18.0	15	.035/.038	
G27029	SDN-20-4.0	20.0	4	.018	
G00277	SDN-20-5.0	20.0	5	.018	
G00278	SDN-20-7.0	20.0	7	.018	
G00279	SDN-21-2.5	21.0	2.5	.018	
G00280	SDN-21-4.0	21.0	4	.018	
G10018	SDN-21-4.0-U	21.0	4	.018	Echogenic
G00281	SDN-21-5.0	21.0	5	.018	
G07411	SDN-21-7.0-U	21.0	7	.018	Echogenic
G03223	SDN-21-9.0	21.0	9	.018	
G08700	SDN-21-15.0-U	21.0	15	.018	Echogenic
Ultrathin Wall					
G04899	SDN-19UT-4.0	19.0	4	.035	
G05399	SDN-19UT-5.0	19.0	5	.035	
G04876	SDN-19UT-7.0	19.0	7	.035	
G04893	SDN-19UT-9.0	19.0	9	.035	
G06275	SDN-19UT-15.0	19.0	15	.035	



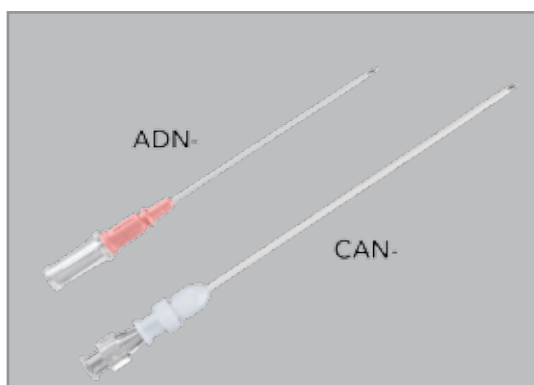
Vascular Access Needles

Two Part

Order Number	Reference Part Number	Needle gage	Needle Length	Accepts Wire Guide inch
G00018	DCM-18-7.0	18.0	7	.035/.038
G00019	DCM-18-9.0	18.0	9	.035/.038

Ultrathin Wall

G04879	DCM-19UT-7.0	19.0	7	.035
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Vascular Access Catheter Needles

Two Part

Order Number	Reference Part Number	Needle gage	Needle Length	Accepts Wire Guide inch
G26867	ADN-18-7.0	18.0	7	.038
G27257	ADN-18-18.0	18.0	18	.038
G27260	ADN-22-7.0	22.0	7	.018
G07172	CAN-18-10.0	18.0	10	.035/.038

Stents and Grafts

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Zenith® TX2® Dissection Endovascular Grafts with Pro-Form®

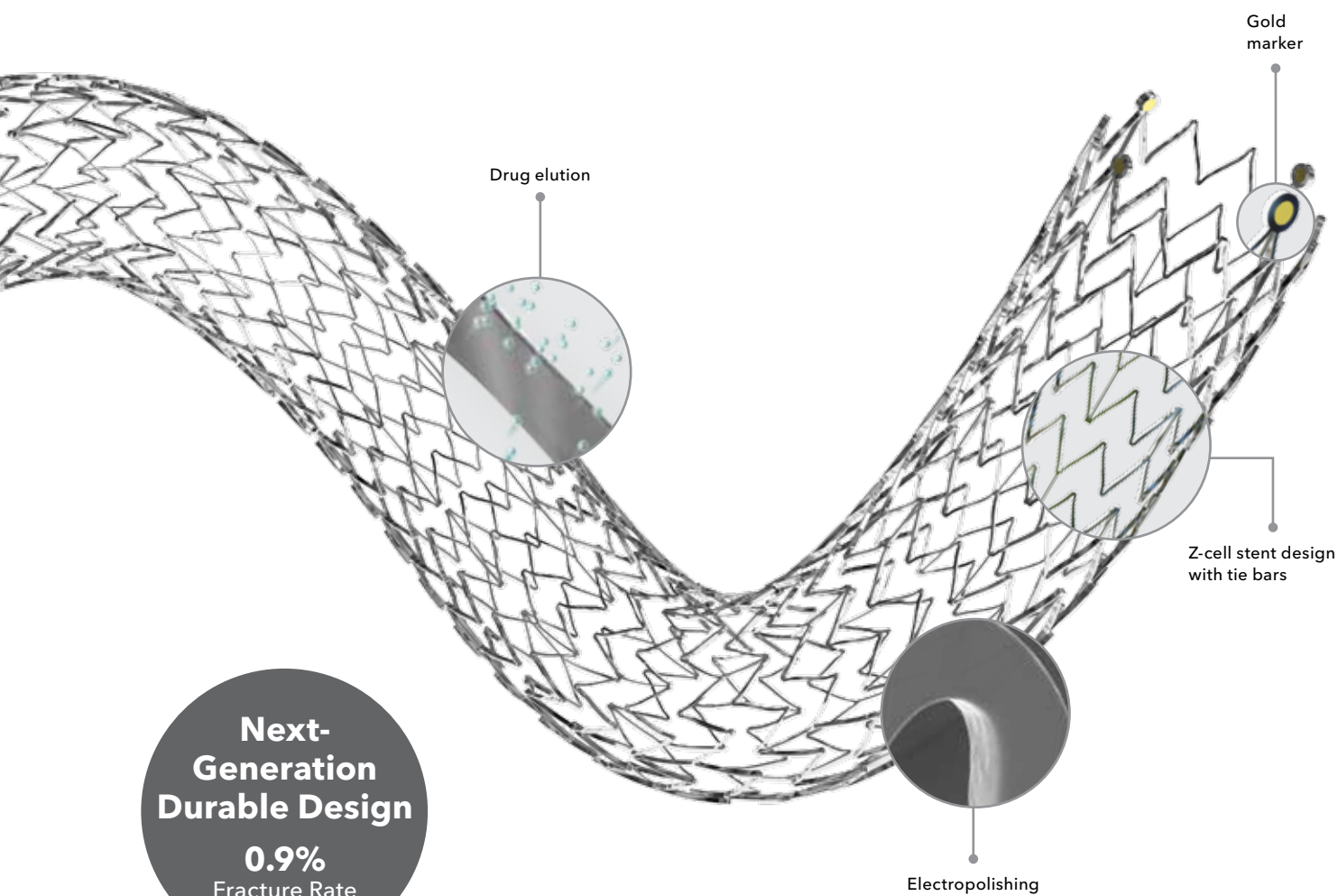
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Technology Overview

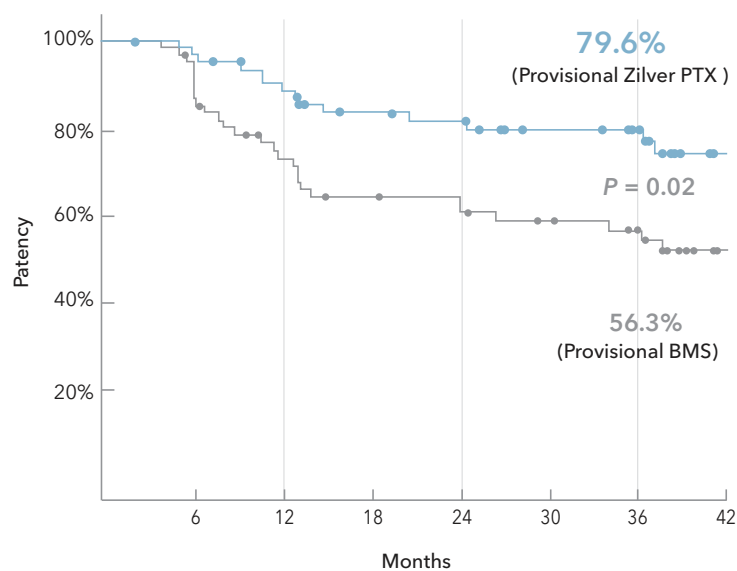
Zilver® Stent Technology



Drug Elution Technology

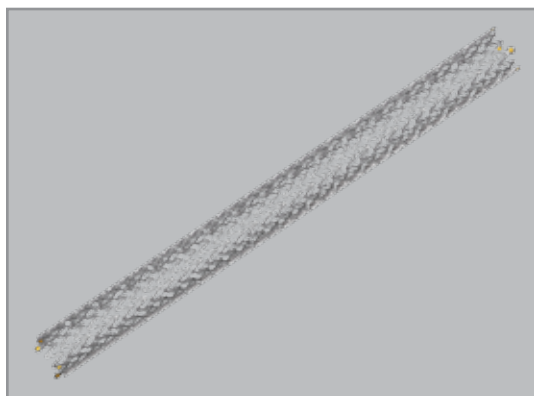
3 Year Drug Effect - Patency (PSVR < 2.0)

(Zilver PTX vs. Provisional BMS)



Group	3-Year Restenosis ¹	
	Rate	Reduction
Provisional Zilver PTX	20.4%	53%
Provisional Bare Zilver	43.7%	

¹ Dake M. The Zilver PTX randomized trial of paclitaxel-eluting stents for femoropopliteal disease: 3-year results. Presented at: Vascular Interventional Advances (VIVA) 2012; October 9-12, 2012; Las Vegas, Nevada.



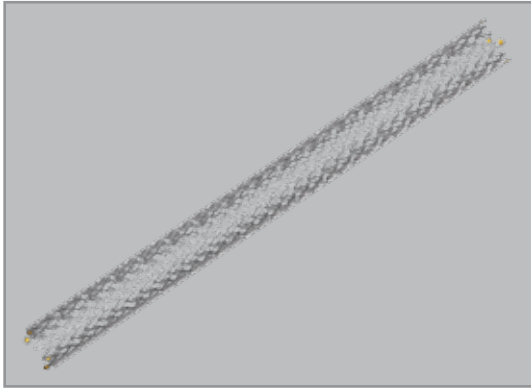
Zilver® PTX® Drug-Eluting Peripheral Stents

Proven drug effect

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G55284	ZIV6-35-80-5.0-40-PTX	6.0	.035	5	40	80
G55285	ZIV6-35-80-5.0-60-PTX	6.0	.035	5	60	80
G55286	ZIV6-35-80-5.0-80-PTX	6.0	.035	5	80	80
G55287	ZIV6-35-80-5.0-100-PTX	6.0	.035	5	100	80
G55288	ZIV6-35-80-5.0-120-PTX	6.0	.035	5	120	80
G55291	ZIV6-35-80-6.0-40-PTX	6.0	.035	6	40	80
G55292	ZIV6-35-80-6.0-60-PTX	6.0	.035	6	60	80
G55293	ZIV6-35-80-6.0-80-PTX	6.0	.035	6	80	80
G55294	ZIV6-35-80-6.0-100-PTX	6.0	.035	6	100	80
G55295	ZIV6-35-80-6.0-120-PTX	6.0	.035	6	120	80
G55301	ZIV6-35-80-7.0-40-PTX	6.0	.035	7	40	80
G55302	ZIV6-35-80-7.0-60-PTX	6.0	.035	7	60	80
G55303	ZIV6-35-80-7.0-80-PTX	6.0	.035	7	80	80
G55304	ZIV6-35-80-7.0-100-PTX	6.0	.035	7	100	80
G55305	ZIV6-35-80-7.0-120-PTX	6.0	.035	7	120	80
G55298	ZIV6-35-80-8.0-40-PTX	6.0	.035	8	40	80
G55272	ZIV6-35-80-8.0-60-PTX	6.0	.035	8	60	80
G55273	ZIV6-35-80-8.0-80-PTX	6.0	.035	8	80	80
G55274	ZIV6-35-80-8.0-100-PTX	6.0	.035	8	100	80
G55271	ZIV6-35-80-8.0-120-PTX	6.0	.035	8	120	80

Zilver® PTX® Drug-Eluting Peripheral Stents (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
125 cm Delivery System						
G51333	ZIV6-35-125-5.0-40-PTX	6.0	.035	5	40	125
G51334	ZIV6-35-125-5.0-60-PTX	6.0	.035	5	60	125
G51335	ZIV6-35-125-5.0-80-PTX	6.0	.035	5	80	125
G51336	ZIV6-35-125-5.0-100-PTX	6.0	.035	5	100	125
G51337	ZIV6-35-125-5.0-120-PTX	6.0	.035	5	120	125
G51341	ZIV6-35-125-6.0-40-PTX	6.0	.035	6	40	125
G51342	ZIV6-35-125-6.0-60-PTX	6.0	.035	6	60	125
G51343	ZIV6-35-125-6.0-80-PTX	6.0	.035	6	80	125
G51344	ZIV6-35-125-6.0-100-PTX	6.0	.035	6	100	125
G51345	ZIV6-35-125-6.0-120-PTX	6.0	.035	6	120	125
G51349	ZIV6-35-125-7.0-40-PTX	6.0	.035	7	40	125
G51350	ZIV6-35-125-7.0-60-PTX	6.0	.035	7	60	125
G51351	ZIV6-35-125-7.0-80-PTX	6.0	.035	7	80	125
G51352	ZIV6-35-125-7.0-100-PTX	6.0	.035	7	100	125
G51353	ZIV6-35-125-7.0-120-PTX	6.0	.035	7	120	125
G51356	ZIV6-35-125-8.0-40-PTX	6.0	.035	8	40	125
G51357	ZIV6-35-125-8.0-60-PTX	6.0	.035	8	60	125
G51358	ZIV6-35-125-8.0-80-PTX	6.0	.035	8	80	125
G51359	ZIV6-35-125-8.0-100-PTX	6.0	.035	8	100	125
G51360	ZIV6-35-125-8.0-120-PTX	6.0	.035	8	120	125



Zilver Flex® 35 Vascular Stents

Proven Patency

- The Zilver® vascular stent has been clinically proven to maintain 90% patency in the iliacs at two years.*

Proven Clinical Results

- Patients experienced significant and sustained improvement in ABI and walking scores at two years.*

Proven Design

- Flexibility and radial force are balanced to achieve excellent conformability and fracture resistance.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G51855	ZFV6-80-5-2.0	6.0	.035	5	20	80
G51857	ZFV6-80-5-3.0	6.0	.035	5	30	80
G51859	ZFV6-80-5-4.0	6.0	.035	5	40	80
G51860	ZFV6-80-5-6.0	6.0	.035	5	60	80
G51862	ZFV6-80-5-8.0	6.0	.035	5	80	80
G51864	ZFV6-80-5-10.0	6.0	.035	5	100	80
G51866	ZFV6-80-5-12.0	6.0	.035	5	120	80
G51868	ZFV6-80-5-14.0	6.0	.035	5	140	80
G52842	ZFV6-80-5-17.0	6.0	.035	5	170	80
G52843	ZFV6-80-5-20.0	6.0	.035	5	200	80
G51870	ZFV6-80-6-2.0	6.0	.035	6	20	80
G51871	ZFV6-80-6-3.0	6.0	.035	6	30	80
G51873	ZFV6-80-6-4.0	6.0	.035	6	40	80
G51875	ZFV6-80-6-6.0	6.0	.035	6	60	80
G51877	ZFV6-80-6-8.0	6.0	.035	6	80	80
G51879	ZFV6-80-6-10.0	6.0	.035	6	100	80
G51880	ZFV6-80-6-12.0	6.0	.035	6	120	80
G51882	ZFV6-80-6-14.0	6.0	.035	6	140	80
G52844	ZFV6-80-6-17.0	6.0	.035	6	170	80
G52845	ZFV6-80-6-20.0	6.0	.035	6	200	80
G51884	ZFV6-80-7-2.0	6.0	.035	7	20	80
G51886	ZFV6-80-7-3.0	6.0	.035	7	30	80
G51888	ZFV6-80-7-4.0	6.0	.035	7	40	80
G51889	ZFV6-80-7-6.0	6.0	.035	7	60	80
G51891	ZFV6-80-7-8.0	6.0	.035	7	80	80
G51893	ZFV6-80-7-10.0	6.0	.035	7	100	80
G51895	ZFV6-80-7-12.0	6.0	.035	7	120	80
G51897	ZFV6-80-7-14.0	6.0	.035	7	140	80
G52846	ZFV6-80-7-17.0	6.0	.035	7	170	80
G52847	ZFV6-80-7-20.0	6.0	.035	7	200	80
G51898	ZFV6-80-8-2.0	6.0	.035	8	20	80
G51900	ZFV6-80-8-3.0	6.0	.035	8	30	80
G51902	ZFV6-80-8-4.0	6.0	.035	8	40	80
G51903	ZFV6-80-8-6.0	6.0	.035	8	60	80
G51905	ZFV6-80-8-8.0	6.0	.035	8	80	80
G51907	ZFV6-80-8-10.0	6.0	.035	8	100	80
G51908	ZFV6-80-8-12.0	6.0	.035	8	120	80
G51910	ZFV6-80-8-14.0	6.0	.035	8	140	80

*Jaff MR, Katzen BT. Two-year clinical evaluation of the Zilver vascular stent for symptomatic iliac artery disease. *J Vasc Interv Radiol*.

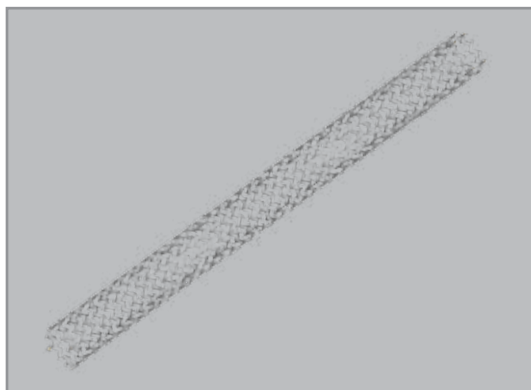
Zilver Flex® 35 Vascular Stents (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
G52848	ZFV6-80-8-17.0	6.0	.035	8	170	80
G52849	ZFV6-80-8-20.0	6.0	.035	8	200	80
G51915	ZFV6-80-9-2.0	6.0	.035	9	20	80
G51916	ZFV6-80-9-3.0	6.0	.035	9	30	80
G51917	ZFV6-80-9-4.0	6.0	.035	9	40	80
G51919	ZFV6-80-9-6.0	6.0	.035	9	60	80
G51920	ZFV6-80-9-8.0	6.0	.035	9	80	80
G51922	ZFV6-80-9-10.0	6.0	.035	9	100	80
G51923	ZFV6-80-9-12.0	6.0	.035	9	120	80
G51925	ZFV6-80-10-2.0	6.0	.035	10	20	80
G51928	ZFV6-80-10-3.0	6.0	.035	10	30	80
G51929	ZFV6-80-10-4.0	6.0	.035	10	40	80
G51931	ZFV6-80-10-6.0	6.0	.035	10	60	80
G51933	ZFV6-80-10-8.0	6.0	.035	10	80	80
G51935	ZFV6-80-10-10.0	6.0	.035	10	100	80
G51937	ZFV6-80-10-12.0	6.0	.035	10	120	80
G51939	ZFV6-80-10-14.0	6.0	.035	10	140	80
125 cm Delivery System						
G51941	ZFV6-125-5-2.0	6.0	.035	5	20	125
G51942	ZFV6-125-5-3.0	6.0	.035	5	30	125
G51944	ZFV6-125-5-4.0	6.0	.035	5	40	125
G51945	ZFV6-125-5-6.0	6.0	.035	5	60	125
G51943	ZFV6-125-5-8.0	6.0	.035	5	80	125
G51940	ZFV6-125-5-10.0	6.0	.035	5	100	125
G51938	ZFV6-125-5-12.0	6.0	.035	5	120	125
G51936	ZFV6-125-5-14.0	6.0	.035	5	140	125
G52850	ZFV6-125-5-17.0	6.0	.035	5	170	125
G52851	ZFV6-125-5-20.0	6.0	.035	5	200	125
G51934	ZFV6-125-6-2.0	6.0	.035	6	20	125
G51932	ZFV6-125-6-3.0	6.0	.035	6	30	125
G51930	ZFV6-125-6-4.0	6.0	.035	6	40	125
G51927	ZFV6-125-6-6.0	6.0	.035	6	60	125
G51926	ZFV6-125-6-8.0	6.0	.035	6	80	125
G51921	ZFV6-125-6-10.0	6.0	.035	6	100	125
G51918	ZFV6-125-6-12.0	6.0	.035	6	120	125
G51914	ZFV6-125-6-14.0	6.0	.035	6	140	125
G52852	ZFV6-125-6-17.0	6.0	.035	6	170	125
G52853	ZFV6-125-6-20.0	6.0	.035	6	200	125
G51913	ZFV6-125-7-2.0	6.0	.035	7	20	125
G51912	ZFV6-125-7-3.0	6.0	.035	7	30	125
G51911	ZFV6-125-7-4.0	6.0	.035	7	40	125
G51909	ZFV6-125-7-6.0	6.0	.035	7	60	125
G51906	ZFV6-125-7-8.0	6.0	.035	7	80	125
G51904	ZFV6-125-7-10.0	6.0	.035	7	100	125
G51901	ZFV6-125-7-12.0	6.0	.035	7	120	125

Continued on next page.

Zilver Flex® 35 Vascular Stents (cont.)

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
G51899	ZFV6-125-7-14.0	6.0	.035	7	140	125
G52854	ZFV6-125-7-17.0	6.0	.035	7	170	125
G52855	ZFV6-125-7-20.0	6.0	.035	7	200	125
G51896	ZFV6-125-8-2.0	6.0	.035	8	20	125
G51894	ZFV6-125-8-3.0	6.0	.035	8	30	125
G51892	ZFV6-125-8-4.0	6.0	.035	8	40	125
G51890	ZFV6-125-8-6.0	6.0	.035	8	60	125
G51887	ZFV6-125-8-8.0	6.0	.035	8	80	125
G51885	ZFV6-125-8-10.0	6.0	.035	8	100	125
G51883	ZFV6-125-8-12.0	6.0	.035	8	120	125
G51878	ZFV6-125-8-14.0	6.0	.035	8	140	125
G52856	ZFV6-125-8-17.0	6.0	.035	8	170	125
G52857	ZFV6-125-8-20.0	6.0	.035	8	200	125
G51881	ZFV6-125-9-2.0	6.0	.035	9	20	125
G51876	ZFV6-125-9-3.0	6.0	.035	9	30	125
G51874	ZFV6-125-9-4.0	6.0	.035	9	40	125
G51872	ZFV6-125-9-6.0	6.0	.035	9	60	125
G51869	ZFV6-125-9-8.0	6.0	.035	9	80	125
G51867	ZFV6-125-9-10.0	6.0	.035	9	100	125
G51865	ZFV6-125-9-12.0	6.0	.035	9	120	125
G51863	ZFV6-125-9-14.0	6.0	.035	9	140	125
G51861	ZFV6-125-10-2.0	6.0	.035	10	20	125
G51858	ZFV6-125-10-3.0	6.0	.035	10	30	125
G51856	ZFV6-125-10-4.0	6.0	.035	10	40	125
G51854	ZFV6-125-10-6.0	6.0	.035	10	60	125
G51853	ZFV6-125-10-8.0	6.0	.035	10	80	125
G51852	ZFV6-125-10-10.0	6.0	.035	10	100	125
G51851	ZFV6-125-10-12.0	6.0	.035	10	120	125
G51849	ZFV6-125-10-14.0	6.0	.035	10	140	125

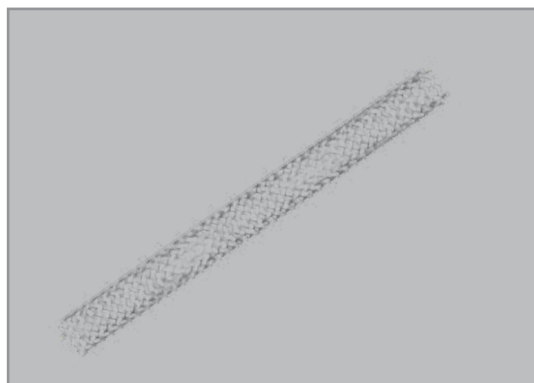


Zilver® 635 Vascular Stents

Large Diameters

- Zilver 635 is available in 12 and 14 mm diameters for treatment of patients with large iliac arteries.

Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G37293	ZIV6-80-12-4.0	6.0	.035	12	40	80
G37295	ZIV6-80-12-6.0	6.0	.035	12	60	80
G37297	ZIV6-80-12-8.0	6.0	.035	12	80	80
G37287	ZIV6-80-14-4.0	6.0	.035	14	40	80
G37289	ZIV6-80-14-6.0	6.0	.035	14	60	80
G37291	ZIV6-80-14-8.0	6.0	.035	14	80	80
125 cm Delivery System						
G37554	ZIV6-125-12-4.0	6.0	.035	12	40	125
G37546	ZIV6-125-12-6.0	6.0	.035	12	60	125
G37555	ZIV6-125-12-8.0	6.0	.035	12	80	125
G37549	ZIV6-125-14-4.0	6.0	.035	14	40	125
G37550	ZIV6-125-14-6.0	6.0	.035	14	60	125
G37553	ZIV6-125-14-8.0	6.0	.035	14	80	125



Zilver® 518 and 518 RX Vascular Stents

Low Profile 5 Fr system

- A reduced sheath size can help minimize access site complications.

Delivery system options

- Zilver 518 is available in both over-the-wire and rapid-exchange configurations.

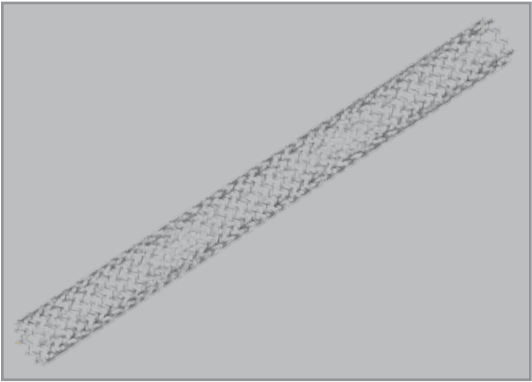
Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G33634	ZIV5-80-4-2.0	5.0	.018	4	20	80
G33636	ZIV5-80-4-4.0	5.0	.018	4	40	80
G37252	ZIV5-80-4-8.0	5.0	.018	4	80	80
G33641	ZIV5-80-5-4.0	5.0	.018	5	40	80
G37254	ZIV5-80-5-8.0	5.0	.018	5	80	80
G33149	ZIV5-80-6-4.0	5.0	.018	6	40	80
G33150	ZIV5-80-6-6.0	5.0	.018	6	60	80
G37256	ZIV5-80-6-8.0	5.0	.018	6	80	80
G33151	ZIV5-80-7-4.0	5.0	.018	7	40	80
G33152	ZIV5-80-7-6.0	5.0	.018	7	60	80
G37258	ZIV5-80-7-8.0	5.0	.018	7	80	80
G33153	ZIV5-80-8-4.0	5.0	.018	8	40	80
G33154	ZIV5-80-8-6.0	5.0	.018	8	60	80
G37260	ZIV5-80-8-8.0	5.0	.018	8	80	80
G33155	ZIV5-80-9-4.0	5.0	.018	9	40	80
G33156	ZIV5-80-9-6.0	5.0	.018	9	60	80
G37262	ZIV5-80-9-8.0	5.0	.018	9	80	80
G33145	ZIV5-80-10-4.0	5.0	.018	10	40	80
G33147	ZIV5-80-10-6.0	5.0	.018	10	60	80
G37264	ZIV5-80-10-8.0	5.0	.018	10	80	80
125 cm Delivery System						
G37759	ZIV5-125-4-2.0	5.0	.018	4	20	125
G37757	ZIV5-125-4-4.0	5.0	.018	4	40	125
G37755	ZIV5-125-4-6.0	5.0	.018	4	60	125
G33841	ZIV5-125-4-8.0	5.0	.018	4	80	125
G33120	ZIV5-125-5-4.0	5.0	.018	5	40	125
G33122	ZIV5-125-5-6.0	5.0	.018	5	60	125
G33124	ZIV5-125-6-3.0	5.0	.018	6	30	125
G33125	ZIV5-125-6-4.0	5.0	.018	6	40	125
G33127	ZIV5-125-6-6.0	5.0	.018	6	60	125
G33845	ZIV5-125-6-8.0	5.0	.018	6	80	125
G33129	ZIV5-125-7-3.0	5.0	.018	7	30	125
G33130	ZIV5-125-7-4.0	5.0	.018	7	40	125
G33132	ZIV5-125-7-6.0	5.0	.018	7	60	125
G33847	ZIV5-125-7-8.0	5.0	.018	7	80	125
G33134	ZIV5-125-8-3.0	5.0	.018	8	30	125
G33135	ZIV5-125-8-4.0	5.0	.018	8	40	125

Zilver® 518 and 518 RX Vascular Stents (cont.)

G33137	ZIV5-125-8-6.0	5.0	.018	8	60	125
G33849	ZIV5-125-8-8.0	5.0	.018	8	80	125
G33140	ZIV5-125-9-4.0	5.0	.018	9	40	125
G33142	ZIV5-125-9-6.0	5.0	.018	9	60	125
G33851	ZIV5-125-9-8.0	5.0	.018	9	80	125
G37783	ZIV5-125-10-4.0	5.0	.018	10	40	125
G37830	ZIV5-125-10-6.0	5.0	.018	10	60	125
G33853	ZIV5-125-10-8.0	5.0	.018	10	80	125

125 cm Rapid-Exchange Delivery System

G50448	ZIVX5-125-4-3.0	5.0	.018	4	30	125
G50449	ZIVX5-125-4-4.0	5.0	.018	4	40	125
G50450	ZIVX5-125-4-6.0	5.0	.018	4	60	125
G50451	ZIVX5-125-4-8.0	5.0	.018	4	80	125
G50453	ZIVX5-125-5-3.0	5.0	.018	5	30	125
G50454	ZIVX5-125-5-4.0	5.0	.018	5	40	125
G50455	ZIVX5-125-5-6.0	5.0	.018	5	60	125
G50456	ZIVX5-125-5-8.0	5.0	.018	5	80	125
G50458	ZIVX5-125-6-3.0	5.0	.018	6	30	125
G50459	ZIVX5-125-6-4.0	5.0	.018	6	40	125
G50460	ZIVX5-125-6-6.0	5.0	.018	6	60	125
G50461	ZIVX5-125-6-8.0	5.0	.018	6	80	125
G50463	ZIVX5-125-7-3.0	5.0	.018	7	30	125
G50464	ZIVX5-125-7-4.0	5.0	.018	7	40	125
G50465	ZIVX5-125-7-6.0	5.0	.018	7	60	125
G50466	ZIVX5-125-7-8.0	5.0	.018	7	80	125
G50468	ZIVX5-125-8-3.0	5.0	.018	8	30	125
G50469	ZIVX5-125-8-4.0	5.0	.018	8	40	125
G50470	ZIVX5-125-8-6.0	5.0	.018	8	60	125
G50471	ZIVX5-125-8-8.0	5.0	.018	8	80	125
G50473	ZIVX5-125-9-3.0	5.0	.018	9	30	125
G50474	ZIVX5-125-9-4.0	5.0	.018	9	40	125
G50475	ZIVX5-125-9-6.0	5.0	.018	9	60	125
G50476	ZIVX5-125-9-8.0	5.0	.018	9	80	125
G50478	ZIVX5-125-10-3.0	5.0	.018	10	30	125
G50479	ZIVX5-125-10-4.0	5.0	.018	10	40	125
G50480	ZIVX5-125-10-6.0	5.0	.018	10	60	125



Zilver® Vena™ - Venous Self-Expanding Stents

- Iliofemoral venous indication.
- Restore venous flow.
- Maintain flexibility.
- Kink resistance of proven Zilver technology.

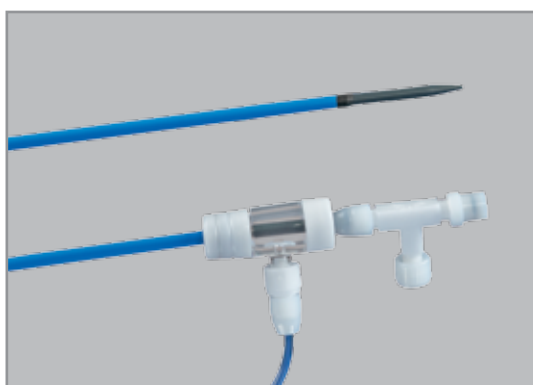
Order Number	Reference Part Number	Recommended Introducer Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G52022	ZVT7-35-80-14-6.0	7.0	.035	14	6	80
G52023	ZVT7-35-80-14-10.0	7.0	.035	14	10	80
G52024	ZVT7-35-80-14-14.0	7.0	.035	14	14	80
G52027	ZVT7-35-80-16-6.0	7.0	.035	16	6	80
G52026	ZVT7-35-80-16-10.0	7.0	.035	16	10	80
G52025	ZVT7-35-80-16-14.0	7.0	.035	16	14	80
120 cm Delivery System						
G52016	ZVT7-35-120-14-6.0	7.0	.035	14	6	120
G52018	ZVT7-35-120-14-10.0	7.0	.035	14	10	120
G52017	ZVT7-35-120-14-14.0	7.0	.035	14	14	120
G52019	ZVT7-35-120-16-6.0	7.0	.035	16	6	120
G52021	ZVT7-35-120-16-10.0	7.0	.035	16	10	120
G52020	ZVT7-35-120-16-14.0	7.0	.035	16	14	120



Cook-Z® Stents

Gianturco Vena Caval and Venous Design

Order Number	Reference Part Number	Recommended Introducer Fr	Stent Diameter mm	Stent Length mm
Self-Expanding Stainless Steel				
15 mm Diameter				
G19436	GZV-15-25	10.0	15	25
G19447	GZV-15-50	10.0	15	50
20 mm Diameter				
G19431	GZV-20-25	10.0	20	25
G19432	GZV-20-50	10.0	20	50
30 mm Diameter				
G19448	GZV-30-25	11.0	30	25
G19433	GZV-30-50	11.0	30	50
G19652	GZV-30-75	14.0	30	75
40 mm Diameter				
G19446	GZV-40-50	12.0	40	50
G19658	GZV-40-75	14.0	40	75

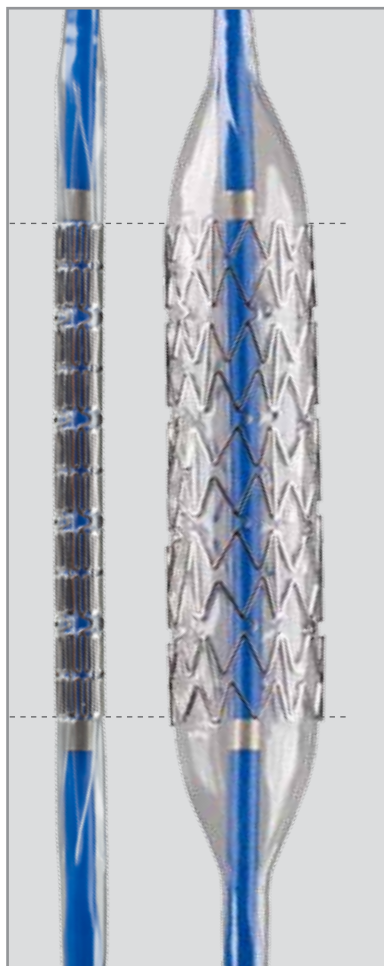


Cook-Z® Stent Introducer Sets

Vena Caval and Venous Design

Order Number	Reference Part Number	Introducer Fr	Accepts Wire Guide inch	Shaft Length cm
RB™ Design Radiopaque Band				
G21180	GZVI-10.0-60-RB	10.0	.038	60
G27448	GZVI-11.0-60-RB	11.0	.038	60
G21182	GZVI-12.0-60-RB	12.0	.038	60
G21184	GZVI-14.0-60-RB	14.0	.038	60
G21185	GZVI-14.0-90-RB	14.0	.038	90

Technology Overview



When precise deployment matters, so does technology

You can never be sure exactly where a conventional balloon-expandable stent (BES) will deploy. So when your procedures demand precision, reach for the technology that can help you treat with accuracy. Formula® stents are engineered for precision: precise placement, precise treatment and precise conformability.

Precise Treatment

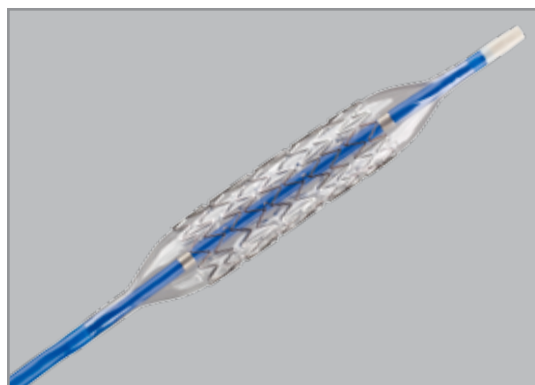
Balloon lengths are customized to reduce the amount of healthy tissue that is dilated during treatment.

Precise Placement

Formula stents do not shorten, and their ends align with the balloon markers. These features help you to place the stent and to cover the lesion reliably and precisely.

Precise Conformability

Formula stents have additional crowns, which give the stents a more circular shape and improve the scaffolding.



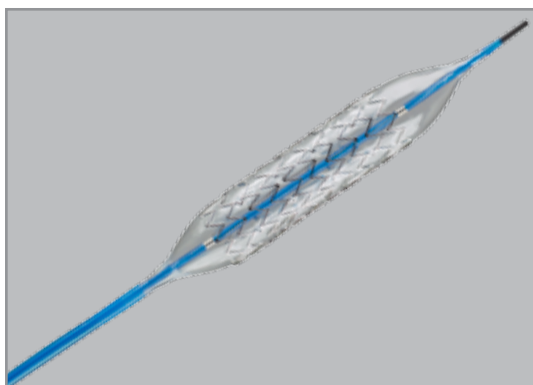
Formula® 535 Balloon-Expandable Stents

- Stenting of Peripheral vascular arteries.
- No stent shortening.
- Over-the-wire.
- .035 inch wire guide compatible.
- 316L stainless steel.
- 4-10 mm stent diameter.
- 12-60 mm stent length.
- 80 and 135 cm shaft length.

Order Number	Reference Part Number	Sheath/ Guiding Catheter Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G56717	FOV535-35-80-4-12	5.0/6.0	.035	4	12	80
G56719	FOV535-35-80-4-20	5.0/7.0	.035	4	20	80
G56725	FOV535-35-80-4-30	5.0/7.0	.035	4	30	80
G56726	FOV535-35-80-4-40	5.0/7.0	.035	4	40	80
G56727	FOV535-35-80-4-60	5.0/7.0	.035	4	60	80
G56728	FOV535-35-80-5-12	6.0/7.0	.035	5	12	80
G56730	FOV535-35-80-5-20	6.0/8.0	.035	5	20	80
G56732	FOV535-35-80-5-30	6.0/8.0	.035	5	30	80
G56733	FOV535-35-80-5-40	6.0/8.0	.035	5	40	80
G56737	FOV535-35-80-5-60	6.0/8.0	.035	5	60	80
G56738	FOV535-35-80-6-12	6.0/8.0	.035	6	12	80
G56740	FOV535-35-80-6-20	6.0/8.0	.035	6	20	80
G56742	FOV535-35-80-6-30	6.0/8.0	.035	6	30	80
G56743	FOV535-35-80-6-40	6.0/8.0	.035	6	40	80
G56744	FOV535-35-80-6-60	6.0/8.0	.035	6	60	80
G56747	FOV535-35-80-7-20	6.0/8.0	.035	7	20	80
G56749	FOV535-35-80-7-30	6.0/8.0	.035	7	30	80
G56750	FOV535-35-80-7-40	6.0/8.0	.035	7	40	80
G56751	FOV535-35-80-7-60	6.0/8.0	.035	7	60	80
G56752	FOV535-35-80-8-12	6.0/8.0	.035	8	12	80
G56754	FOV535-35-80-8-20	6.0/8.0	.035	8	20	80
G56756	FOV535-35-80-8-30	6.0/8.0	.035	8	30	80
G56757	FOV535-35-80-8-40	6.0/8.0	.035	8	40	80
G56758	FOV535-35-80-8-60	6.0/8.0	.035	8	60	80
G56759	FOV535-35-80-9-20	7.0/9.0	.035	9	20	80
G56760	FOV535-35-80-9-30	7.0/9.0	.035	9	30	80
G56761	FOV535-35-80-9-40	7.0/9.0	.035	9	40	80
G56762	FOV535-35-80-9-60	7.0/9.0	.035	9	60	80
G56763	FOV535-35-80-10-20	7.0/9.0	.035	10	20	80
G56764	FOV535-35-80-10-30	7.0/9.0	.035	10	30	80
G56765	FOV535-35-80-10-40	7.0/9.0	.035	10	40	80
G56766	FOV535-35-80-10-60	7.0/9.0	.035	10	60	80

Formula® 535 Balloon-Expandable Stents (cont.)

Order Number	Reference Part Number	Sheath/ Guiding Catheter Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
135 cm Delivery System						
G56771	FOV535-35-135-4-12	5.0/6.0	.035	4	12	135
G56773	FOV535-35-135-4-20	5.0/7.0	.035	4	20	135
G56775	FOV535-35-135-4-30	5.0/7.0	.035	4	30	135
G56776	FOV535-35-135-4-40	5.0/7.0	.035	4	40	135
G56778	FOV535-35-135-5-12	6.0/7.0	.035	5	12	135
G56780	FOV535-35-135-5-20	6.0/8.0	.035	5	20	135
G56782	FOV535-35-135-5-30	6.0/8.0	.035	5	30	135
G56783	FOV535-35-135-5-40	6.0/8.0	.035	5	40	135
G56784	FOV535-35-135-5-60	6.0/8.0	.035	5	60	135
G56785	FOV535-35-135-6-12	6.0/8.0	.035	6	12	135
G56787	FOV535-35-135-6-20	6.0/8.0	.035	6	20	135
G56789	FOV535-35-135-6-30	6.0/8.0	.035	6	30	135
G56790	FOV535-35-135-6-40	6.0/8.0	.035	6	40	135
G56791	FOV535-35-135-6-60	6.0/8.0	.035	6	60	135
G56792	FOV535-35-135-7-12	6.0/8.0	.035	7	12	135
G56796	FOV535-35-135-7-20	6.0/8.0	.035	7	20	135
G56798	FOV535-35-135-7-30	6.0/8.0	.035	7	30	135
G56799	FOV535-35-135-7-40	6.0/8.0	.035	7	40	135
G56800	FOV535-35-135-7-60	6.0/8.0	.035	7	60	135
G56801	FOV535-35-135-8-12	6.0/8.0	.035	8	12	135
G56803	FOV535-35-135-8-20	6.0/8.0	.035	8	20	135
G56805	FOV535-35-135-8-30	6.0/8.0	.035	8	30	135
G56806	FOV535-35-135-8-40	6.0/8.0	.035	8	40	135
G56807	FOV535-35-135-8-60	6.0/8.0	.035	8	60	135
G56808	FOV535-35-135-9-20	7.0/9.0	.035	9	20	135
G56809	FOV535-35-135-9-30	7.0/9.0	.035	9	30	135
G56810	FOV535-35-135-9-40	7.0/9.0	.035	9	40	135
G56811	FOV535-35-135-9-60	7.0/9.0	.035	9	60	135
G56812	FOV535-35-135-10-20	7.0/9.0	.035	10	20	135
G56813	FOV535-35-135-10-30	7.0/9.0	.035	10	30	135
G56814	FOV535-35-135-10-40	7.0/9.0	.035	10	40	135
G56815	FOV535-35-135-10-60	7.0/9.0	.035	10	60	135



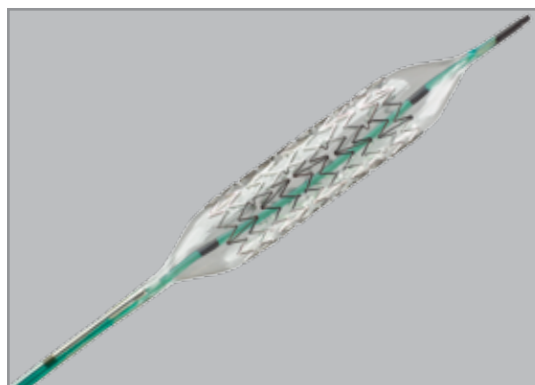
Formula® 418 Balloon-Expandable Stents

- Stenting of Peripheral vascular arteries.
- No stent shortening.
- Over-the-wire.
- .18 inch wire guide compatible.
- 316L stainless steel.
- 3-8 mm stent diameter.
- 12-30 mm stent length.
- 80 and 135 cm shaft length.

Order Number	Reference Part Number	Sheath/ Guiding Catheter Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Delivery System						
G56633	FOV418-18-80-3-12	5.0/6.0	.018	3	12	80
G56635	FOV418-18-80-3-16	5.0/6.0	.018	3	16	80
G56637	FOV418-18-80-3-20	5.0/6.0	.018	3	20	80
G56639	FOV418-18-80-3-24	5.0/6.0	.018	3	24	80
G56641	FOV418-18-80-3-30	5.0/6.0	.018	3	30	80
G56643	FOV418-18-80-4-12	5.0/6.0	.018	4	12	80
G56645	FOV418-18-80-4-16	5.0/6.0	.018	4	16	80
G56647	FOV418-18-80-4-20	5.0/6.0	.018	4	20	80
G56649	FOV418-18-80-4-24	5.0/6.0	.018	4	24	80
G56651	FOV418-18-80-4-30	5.0/6.0	.018	4	30	80
G56653	FOV418-18-80-5-12	5.0/6.0	.018	5	12	80
G56655	FOV418-18-80-5-16	5.0/6.0	.018	5	16	80
G56657	FOV418-18-80-5-20	5.0/6.0	.018	5	20	80
G56659	FOV418-18-80-5-24	5.0/6.0	.018	5	24	80
G56661	FOV418-18-80-5-30	5.0/6.0	.018	5	30	80
G56663	FOV418-18-80-6-12	5.0/6.0	.018	6	12	80
G56665	FOV418-18-80-6-16	5.0/6.0	.018	6	16	80
G56667	FOV418-18-80-6-20	5.0/6.0	.018	6	20	80
G56669	FOV418-18-80-6-24	5.0/6.0	.018	6	24	80
G56671	FOV418-18-80-6-30	5.0/6.0	.018	6	30	80
G56673	FOV418-18-80-7-12	6.0/7.0	.018	7	12	80
G56675	FOV418-18-80-7-16	6.0/7.0	.018	7	16	80
G56677	FOV418-18-80-7-20	6.0/7.0	.018	7	20	80
G56679	FOV418-18-80-7-24	6.0/7.0	.018	7	24	80
G56681	FOV418-18-80-7-30	6.0/7.0	.018	7	30	80
G56683	FOV418-18-80-8-12	6.0/7.0	.018	8	12	80
G56685	FOV418-18-80-8-16	6.0/7.0	.018	8	16	80
G56687	FOV418-18-80-8-20	6.0/7.0	.018	8	20	80
G56689	FOV418-18-80-8-24	6.0/7.0	.018	8	24	80
G56691	FOV418-18-80-8-30	6.0/7.0	.018	8	30	80

Formula® 418 Balloon-Expandable Stents (cont.)

Order Number	Reference Part Number	Sheath/ Guiding Catheter Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
135 cm Delivery System						
G56634	FOV418-18-135-3-12	5.0/6.0	.018	3	12	135
G56636	FOV418-18-135-3-16	5.0/6.0	.018	3	16	135
G56638	FOV418-18-135-3-20	5.0/6.0	.018	3	20	135
G56640	FOV418-18-135-3-24	5.0/6.0	.018	3	24	135
G56642	FOV418-18-135-3-30	5.0/6.0	.018	3	30	135
G56644	FOV418-18-135-4-12	5.0/6.0	.018	4	12	135
G56646	FOV418-18-135-4-16	5.0/6.0	.018	4	16	135
G56648	FOV418-18-135-4-20	5.0/6.0	.018	4	20	135
G56652	FOV418-18-135-4-30	5.0/6.0	.018	4	30	135
G56654	FOV418-18-135-5-12	5.0/6.0	.018	5	12	135
G56656	FOV418-18-135-5-16	5.0/6.0	.018	5	16	135
G56658	FOV418-18-135-5-20	5.0/6.0	.018	5	20	135
G56662	FOV418-18-135-5-30	5.0/6.0	.018	5	30	135
G56664	FOV418-18-135-6-12	5.0/6.0	.018	6	12	135
G56666	FOV418-18-135-6-16	5.0/6.0	.018	6	16	135
G56668	FOV418-18-135-6-20	5.0/6.0	.018	6	20	135
G56670	FOV418-18-135-6-24	5.0/6.0	.018	6	24	135
G56672	FOV418-18-135-6-30	5.0/6.0	.018	6	30	135
G56674	FOV418-18-135-7-12	6.0/7.0	.018	7	12	135
G56680	FOV418-18-135-7-24	6.0/7.0	.018	7	24	135
G56682	FOV418-18-135-7-30	6.0/7.0	.018	7	30	135
G56684	FOV418-18-135-8-12	6.0/7.0	.018	8	12	135
G56686	FOV418-18-135-8-16	6.0/7.0	.018	8	16	135
G56688	FOV418-18-135-8-20	6.0/7.0	.018	8	20	135
G56690	FOV418-18-135-8-24	6.0/7.0	.018	8	24	135
G56692	FOV418-18-135-8-30	6.0/7.0	.018	8	30	135



Formula® 414 RX Balloon-Expandable Stents

- Stenting of Peripheral vascular arteries.
- No stent shortening.
- Rapid exchange.
- Coiled wire shaft technology.
- .014 inch wire guide compatible.
- 316L stainless steel.
- 80 and 135 cm shaft length.
- 4-7 mm stent diameter.
- 12-24 mm stent length.

Order Number	Reference Part Number	Sheath/ Guiding Catheter Fr	Accepts Wire Guide Diameter inch	Stent Diameter mm	Stent Length mm	Shaft Length cm
80 cm Rapid – Exchange Delivery System						
G03757	FOVX414-14-80-4-12	5.0/6.0	.014	4	12	80
G03758	FOVX414-14-80-4-16	5.0/6.0	.014	4	16	80
G03759	FOVX414-14-80-4-20	5.0/6.0	.014	4	20	80
G03760	FOVX414-14-80-4-24	5.0/6.0	.014	4	24	80
G03438	FOVX414-14-80-5-12	5.0/6.0	.014	5	12	80
G03443	FOVX414-14-80-5-16	5.0/6.0	.014	5	16	80
G03472	FOVX414-14-80-5-20	5.0/6.0	.014	5	20	80
G03748	FOVX414-14-80-5-24	5.0/6.0	.014	5	24	80
G03513	FOVX414-14-80-6-12	5.0/6.0	.014	6	12	80
G03537	FOVX414-14-80-6-16	5.0/6.0	.014	6	16	80
G03557	FOVX414-14-80-6-20	5.0/6.0	.014	6	20	80
G03752	FOVX414-14-80-6-24	5.0/6.0	.014	6	24	80
G03575	FOVX414-14-80-7-12	5.0/6.0	.014	7	12	80
G03576	FOVX414-14-80-7-16	5.0/6.0	.014	7	16	80
G03594	FOVX414-14-80-7-20	5.0/6.0	.014	7	20	80
G03753	FOVX414-14-80-7-24	5.0/6.0	.014	7	24	80
135 cm Rapid – Exchange Delivery System						
G03762	FOVX414-14-135-4-12	5.0/6.0	.014	4	12	135
G03763	FOVX414-14-135-4-16	5.0/6.0	.014	4	16	135
G03764	FOVX414-14-135-4-20	5.0/6.0	.014	4	20	135
G03765	FOVX414-14-135-4-24	5.0/6.0	.014	4	24	135
G03604	FOVX414-14-135-5-12	5.0/6.0	.014	5	12	135
G03648	FOVX414-14-135-5-16	5.0/6.0	.014	5	16	135
G03652	FOVX414-14-135-5-20	5.0/6.0	.014	5	20	135
G03754	FOVX414-14-135-5-24	5.0/6.0	.014	5	24	135
G03667	FOVX414-14-135-6-12	5.0/6.0	.014	6	12	135
G03699	FOVX414-14-135-6-16	5.0/6.0	.014	6	16	135
G03700	FOVX414-14-135-6-20	5.0/6.0	.014	6	20	135
G03755	FOVX414-14-135-6-24	5.0/6.0	.014	6	24	135
G03701	FOVX414-14-135-7-12	5.0/6.0	.014	7	12	135
G03709	FOVX414-14-135-7-16	5.0/6.0	.014	7	16	135
G03744	FOVX414-14-135-7-20	5.0/6.0	.014	7	20	135
G03756	FOVX414-14-135-7-24	5.0/6.0	.014	7	24	135

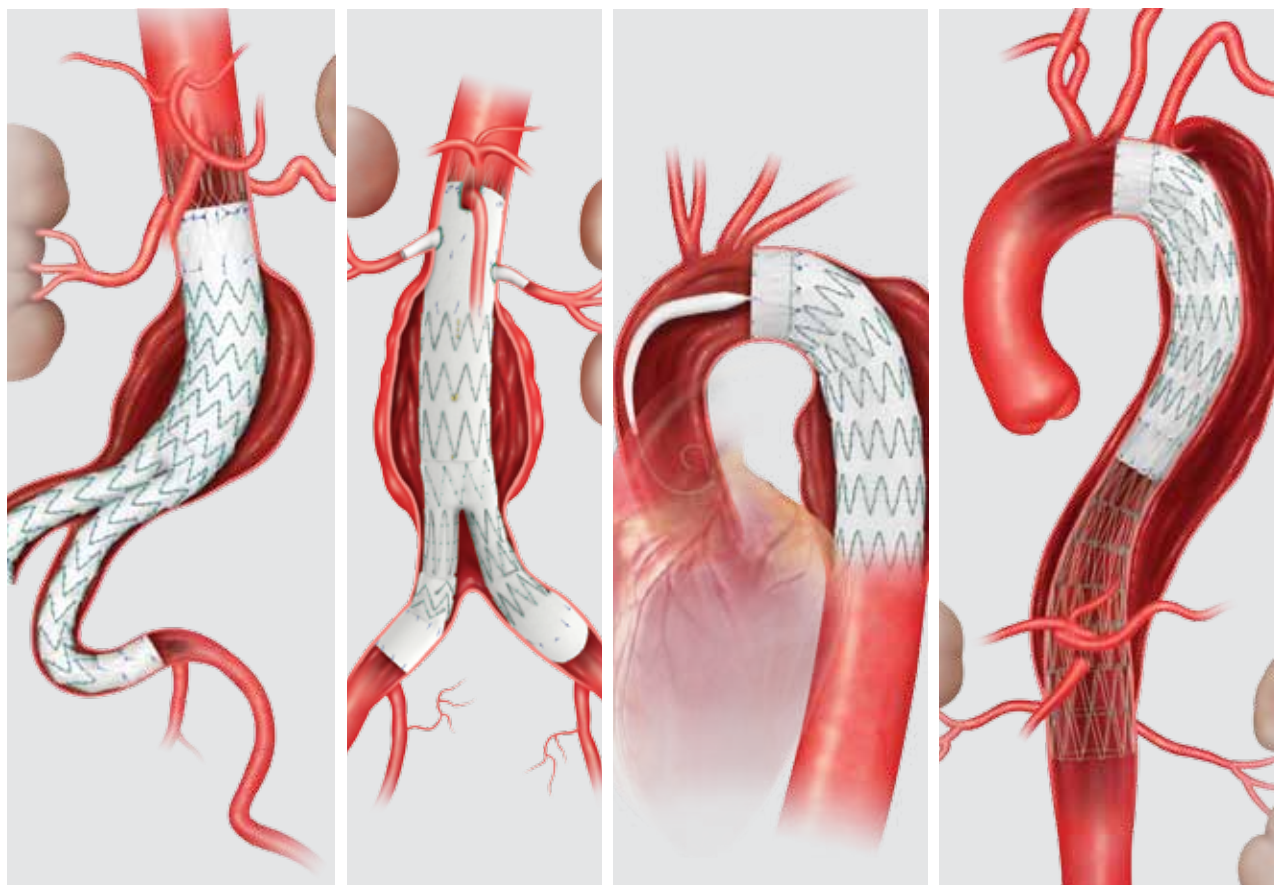
Technology Overview

Overview - Aortic disease is a progressive condition. Our goal is to provide you with patient- and disease-specific devices that help ensure the most durable repair possible for your patients.

Zenith design - We account for the progression of aortic disease in the design of every Zenith. Each device is configured to reach, and maintain, healthy seal zones in disease-specific situations. Each device comes in a variety of sizes and diameters to accommodate unique patient anatomies.

Patient-specific approach - Aortic disease predisposes a patient's entire aorta, so we have systematically expanded the Zenith device portfolio. From the arch to the iliacs, Zenith offers you the world's broadest range of standard and non-standard modular devices.

IFU criteria - Aortic disease doesn't stop with the placement of an endovascular device, so we account for disease progression in the IFU criteria of every Zenith. We believe careful patient selection, device selection, and choice of seal zone are the foundation of a durable repair and a healthy patient.





Zenith® LP AAA Endovascular Grafts

Bifurcated Main Body Grafts

Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter					
G51975	ZALB-22-70	18-19	22	70	16 (5.3)/6.0
G51976	ZALB-22-84	18-19	22	84	16 (5.3)/6.0
G51977	ZALB-22-98	18-19	22	98	16 (5.3)/6.0
G51978	ZALB-22-108	18-19	22	108	16 (5.3)/6.0
G51979	ZALB-22-118	18-19	22	118	16 (5.3)/6.0
G51980	ZALB-22-128	18-19	22	128	16 (5.3)/6.0
24 mm Diameter					
G51981	ZALB-24-70	20-21	24	70	16 (5.3)/6.0
G51982	ZALB-24-84	20-21	24	84	16 (5.3)/6.0
G51983	ZALB-24-98	20-21	24	98	16 (5.3)/6.0
G51984	ZALB-24-108	20-21	24	108	16 (5.3)/6.0
G51985	ZALB-24-118	20-21	24	118	16 (5.3)/6.0
G51986	ZALB-24-128	20-21	24	128	16 (5.3)/6.0
26 mm Diameter					
G51987	ZALB-26-70	22	26	70	16 (5.3)/6.0
G51988	ZALB-26-84	22	26	84	16 (5.3)/6.0
G51989	ZALB-26-98	22	26	98	16 (5.3)/6.0
G51990	ZALB-26-108	22	26	108	16 (5.3)/6.0
G51991	ZALB-26-118	22	26	118	16 (5.3)/6.0
G51992	ZALB-26-128	22	26	128	16 (5.3)/6.0
28 mm Diameter					
G49681	ZALB-28-70	23-24	28	70	16 (5.3)/6.0
G49682	ZALB-28-84	23-24	28	84	16 (5.3)/6.0
G49683	ZALB-28-98	23-24	28	98	16 (5.3)/6.0
G49684	ZALB-28-108	23-24	28	108	16 (5.3)/6.0
G49685	ZALB-28-118	23-24	28	118	16 (5.3)/6.0
G49686	ZALB-28-128	23-24	28	128	16 (5.3)/6.0
30 mm Diameter					
G49675	ZALB-30-70	25-26	30	70	16 (5.3)/6.0
G49676	ZALB-30-84	25-26	30	84	16 (5.3)/6.0
G49695	ZALB-30-98	25-26	30	98	16 (5.3)/6.0
G49677	ZALB-30-108	25-26	30	108	16 (5.3)/6.0
G49678	ZALB-30-118	25-26	30	118	16 (5.3)/6.0
G49679	ZALB-30-128	25-26	30	128	16 (5.3)/6.0
32 mm Diameter					
G49688	ZALB-32-70	27-28	32	70	16 (5.3)/6.0
G48020	ZALB-32-84	27-28	32	84	16 (5.3)/6.0

Zenith® LP AAA Endovascular Grafts (cont.)

Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
G49689	ZALB-32-98	27-28	32	98	16 (5.3)/6.0
G49690	ZALB-32-108	27-28	32	108	16 (5.3)/6.0
G49692	ZALB-32-118	27-28	32	118	16 (5.3)/6.0
G49691	ZALB-32-128	27-28	32	128	16 (5.3)/6.0



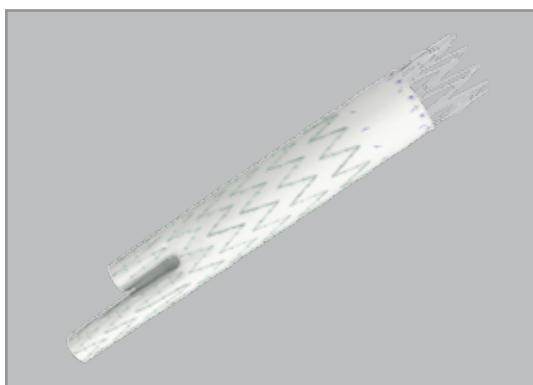
Zenith® LP AAA Endovascular Grafts

Contralateral/Ipsilateral Iliac Legs

Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
10 mm Diameter				
G49536	ZALL-10-36	10	36	14 (4.7)/5.3
G50900	ZALL-10-48	10	48	14 (4.7)/5.3
G49537	ZALL-10-60	10	60	14 (4.7)/5.3
G49538	ZALL-10-72	10	72	14 (4.7)/5.3
G50901	ZALL-10-84	10	84	14 (4.7)/5.3
G49539	ZALL-10-96	10	96	14 (4.7)/5.3
G49540	ZALL-10-108	10	108	14 (4.7)/5.3
G49541	ZALL-10-120	10	120	14 (4.7)/5.3
12 mm Diameter				
G49542	ZALL-12-36	12	36	14 (4.7)/5.3
G50902	ZALL-12-48	12	48	14 (4.7)/5.3
G48021	ZALL-12-60	12	60	14 (4.7)/5.3
G49543	ZALL-12-72	12	72	14 (4.7)/5.3
G50903	ZALL-12-84	12	84	14 (4.7)/5.3
G49544	ZALL-12-96	12	96	14 (4.7)/5.3
G49545	ZALL-12-108	12	108	14 (4.7)/5.3
G48524	ZALL-12-120	12	120	14 (4.7)/5.3
14 mm Diameter				
G49546	ZALL-14-36	14	36	14 (4.7)/5.3
G50904	ZALL-14-48	14	48	14 (4.7)/5.3
G49547	ZALL-14-60	14	60	14 (4.7)/5.3
G49548	ZALL-14-72	14	72	14 (4.7)/5.3
G50905	ZALL-14-84	14	84	14 (4.7)/5.3
G49549	ZALL-14-96	14	96	14 (4.7)/5.3
G49550	ZALL-14-108	14	108	14 (4.7)/5.3
16 mm Diameter				
G49551	ZALL-16-36	16	36	14 (4.7)/5.3
G50906	ZALL-16-48	16	48	14 (4.7)/5.3
G49552	ZALL-16-60	16	60	14 (4.7)/5.3
G49553	ZALL-16-72	16	72	14 (4.7)/5.3
G50907	ZALL-16-84	16	84	14 (4.7)/5.3
G49554	ZALL-16-96	16	96	14 (4.7)/5.3
18 mm Diameter				
G49555	ZALL-18-36	18	36	14 (4.7)/5.3
G50908	ZALL-18-48	18	48	14 (4.7)/5.3
G49556	ZALL-18-60	18	60	14 (4.7)/5.3
G49557	ZALL-18-72	18	72	14 (4.7)/5.3

Zenith® LP AAA Endovascular Grafts (cont.)

Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
G50909	ZALL-18-84	18	84	14 (4.7)/5.3
G49558	ZALL-18-96	18	96	14 (4.7)/5.3
20 mm Diameter				
G49559	ZALL-20-36	20	36	14 (4.7)/5.3
G50910	ZALL-20-48	20	48	14 (4.7)/5.3
G49560	ZALL-20-60	20	60	14 (4.7)/5.3
G49561	ZALL-20-72	20	72	14 (4.7)/5.3
G50911	ZALL-20-84	20	84	14 (4.7)/5.3
G49562	ZALL-20-96	20	96	14 (4.7)/5.3
22 mm Diameter				
G49563	ZALL-22-36	22	36	14 (4.7)/5.3
G50912	ZALL-22-48	22	48	14 (4.7)/5.3
G49564	ZALL-22-60	22	60	14 (4.7)/5.3
G49565	ZALL-22-72	22	72	14 (4.7)/5.3
G50913	ZALL-22-84	22	84	14 (4.7)/5.3
G49566	ZALL-22-96	22	96	14 (4.7)/5.3
24 mm Diameter				
G49567	ZALL-24-36	24	36	14 (4.7)/5.3
G50914	ZALL-24-48	24	48	14 (4.7)/5.3
G49568	ZALL-24-60	24	60	14 (4.7)/5.3
G49569	ZALL-24-72	24	72	14 (4.7)/5.3
G50915	ZALL-24-84	24	84	14 (4.7)/5.3
G48525	ZALL-24-96	24	96	14 (4.7)/5.3



Zenith Flex® AAA Endovascular Grafts

Bifurcated Main Body Grafts with Z-Trak® Introduction System

Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter					
G48402	TFFB-22-82-ZT	18-19	22	82	18 (6.0)/7.1
G48403	TFFB-22-96-ZT	18-19	22	96	18 (6.0)/7.1
G48404	TFFB-22-111-ZT	18-19	22	111	18 (6.0)/7.1
G48405	TFFB-22-125-ZT	18-19	22	125	18 (6.0)/7.1
G48406	TFFB-22-140-ZT	18-19	22	140	18 (6.0)/7.1
24 mm Diameter					
G48407	TFFB-24-82-ZT	21-20	24	82	18 (6.0)/7.1
G48408	TFFB-24-96-ZT	21-20	24	96	18 (6.0)/7.1
G48409	TFFB-24-111-ZT	21-20	24	111	18 (6.0)/7.1
G48410	TFFB-24-125-ZT	21-20	24	125	18 (6.0)/7.1
G48411	TFFB-24-140-ZT	21-20	24	140	18 (6.0)/7.1
26 mm Diameter					
G48412	TFFB-26-82-ZT	22	26	82	18 (6.0)/7.1
G48413	TFFB-26-96-ZT	22	26	96	18 (6.0)/7.1
G48414	TFFB-26-111-ZT	22	26	111	18 (6.0)/7.1
G48415	TFFB-26-125-ZT	22	26	125	18 (6.0)/7.1
G48416	TFFB-26-140-ZT	22	26	140	18 (6.0)/7.1
28 mm Diameter					
G48417	TFFB-28-82-ZT	23-24	28	82	20 (6.7)/7.7
G48418	TFFB-28-96-ZT	23-24	28	96	20 (6.7)/7.7
G48419	TFFB-28-111-ZT	23-24	28	111	20 (6.7)/7.7
G48420	TFFB-28-125-ZT	23-24	28	125	20 (6.7)/7.7
G48421	TFFB-28-140-ZT	23-24	28	140	20 (6.7)/7.7
30 mm Diameter					
G48422	TFFB-30-82-ZT	25-26	30	82	20 (6.7)/7.7
G48423	TFFB-30-96-ZT	25-26	30	96	20 (6.7)/7.7
G48424	TFFB-30-111-ZT	25-26	30	111	20 (6.7)/7.7
G48425	TFFB-30-125-ZT	25-26	30	125	20 (6.7)/7.7
G48426	TFFB-30-140-ZT	25-26	30	140	20 (6.7)/7.7
32 mm Diameter					
G48427	TFFB-32-82-ZT	27-28	32	82	20 (6.7)/7.7
G48428	TFFB-32-96-ZT	27-28	32	96	20 (6.7)/7.7
G48429	TFFB-32-111-ZT	27-28	32	111	20 (6.7)/7.7
G48430	TFFB-32-125-ZT	27-28	32	125	20 (6.7)/7.7
G48431	TFFB-32-140-ZT	27-28	32	140	20 (6.7)/7.7

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Zenith Flex® AAA Endovascular Grafts

Bifurcated Main Body Grafts with Z-Trak® Introduction System (cont.)

Order Number	Reference Part Number	Neck Diameter mm	Main Body Diameter mm	Main Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
36 mm Diameter					
G48432	TFFB-36-95-ZT	29-32	36	95	22 (7.3)/8.5
G48433	TFFB-36-113-ZT	29-32	36	113	22 (7.3)/8.5
G48434	TFFB-36-131-ZT	29-32	36	131	22 (7.3)/8.5
G48435	TFFB-36-149-ZT	29-32	36	149	22 (7.3)/8.5



Zenith Spiral-Z™ AAA Iliac Leg Grafts

Contralateral/Ipsilateral Iliac Leg Grafts

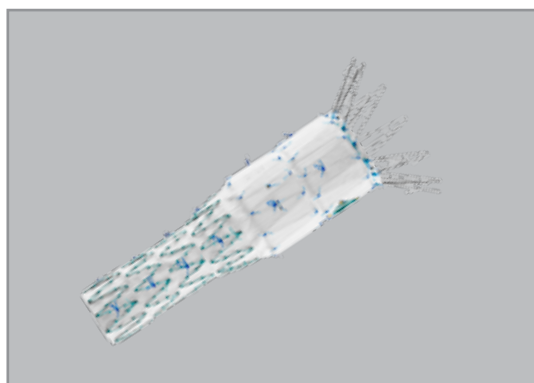
Order Number	Reference Part Number	Iliac Leg Distal Diameter mm	Iliac Leg Working Length mm	Introducer Sheath ID/OD Fr (mm)/mm
9 mm Diameter				
G55218	ZSLE-9-39-ZT	9	39	14 (4.7)/5.4
G55219	ZSLE-9-56-ZT	9	56	14 (4.7)/5.4
G55220	ZSLE-9-74-ZT	9	74	14 (4.7)/5.4
G55221	ZSLE-9-90-ZT	9	90	14 (4.7)/5.4
G55222	ZSLE-9-107-ZT	9	107	14 (4.7)/5.4
G55223	ZSLE-9-122-ZT	9	122	14 (4.7)/5.4
11 mm Diameter				
G55224	ZSLE-11-39-ZT	11	39	14 (4.7)/5.4
G55225	ZSLE-11-56-ZT	11	56	14 (4.7)/5.4
G55226	ZSLE-11-74-ZT	11	74	14 (4.7)/5.4
G55227	ZSLE-11-90-ZT	11	90	14 (4.7)/5.4
G55228	ZSLE-11-107-ZT	11	107	14 (4.7)/5.4
G55229	ZSLE-11-122-ZT	11	122	14 (4.7)/5.4
13 mm Diameter				
G55230	ZSLE-13-39-ZT	13	39	14 (4.7)/5.4
G55231	ZSLE-13-56-ZT	13	56	14 (4.7)/5.4
G55232	ZSLE-13-74-ZT	13	74	14 (4.7)/5.4
G55233	ZSLE-13-90-ZT	13	90	14 (4.7)/5.4
G55234	ZSLE-13-107-ZT	13	107	14 (4.7)/5.4
G55235	ZSLE-13-122-ZT	13	122	14 (4.7)/5.4
16 mm Diameter				
G55236	ZSLE-16-39-ZT	16	39	14 (4.7)/5.4
G55237	ZSLE-16-56-ZT	16	56	14 (4.7)/5.4
G55238	ZSLE-16-74-ZT	16	74	14 (4.7)/5.4
G55239	ZSLE-16-90-ZT	16	90	14 (4.7)/5.4
20 mm Diameter				
G55240	ZSLE-20-39-ZT	20	39	16 (5.3)/6.0
G55241	ZSLE-20-56-ZT	20	56	16 (5.3)/6.0
G55242	ZSLE-20-74-ZT	20	74	16 (5.3)/6.0
G55243	ZSLE-20-90-ZT	20	90	16 (5.3)/6.0
24 mm Diameter				
G55244	ZSLE-24-39-ZT	24	39	16 (5.3)/6.0
G55245	ZSLE-24-56-ZT	24	56	16 (5.3)/6.0
G55246	ZSLE-24-74-ZT	24	74	16 (5.3)/6.0
G55247	ZSLE-24-90-ZT	24	90	16 (5.3)/6.0



Zenith® Branch Iliac Endovascular Grafts

Iliac Bifurcation Grafts

Order Number	Reference Part Number	Distal Body Diameter mm	Common Iliac Segment Length mm	External Iliac Segment Length mm	Introduction Sheath ID Fr
G38612	ZBIS-10-45-41	10	45	41	20
G38614	ZBIS-10-61-41	10	61	41	20
G38613	ZBIS-10-45-58	10	45	58	20
G38615	ZBIS-10-61-58	10	61	58	20
G38616	ZBIS-12-45-41	12	45	41	20
G38618	ZBIS-12-61-41	12	61	41	20
G38617	ZBIS-12-45-58	12	45	58	20
G38344	ZBIS-12-61-58	12	61	58	20



Zenith® Fenestrated AAA Endovascular Grafts

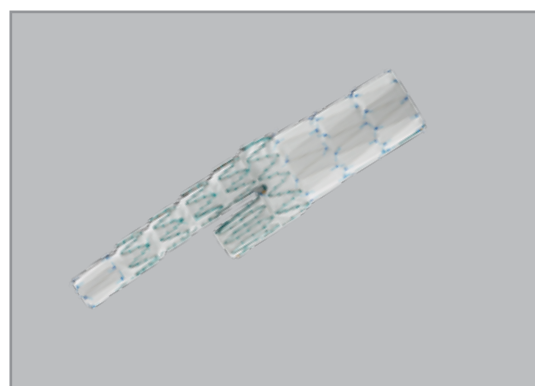
Proximal Body Grafts

Order Number	Reference Part Number	Proximal Body Diameter mm	Proximal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
One Proximal Internal Stent				
24 mm Diameter				
G38124	ZFEN-P-1-24-76	24	76	20 (6.7)/7.7
G38125	ZFEN-P-1-24-91	24	91	20 (6.7)/7.7
G38122	ZFEN-P-1-24-106	24	106	20 (6.7)/7.7
G38123	ZFEN-P-1-24-121	24	121	20 (6.7)/7.7
26 mm Diameter				
G38128	ZFEN-P-1-26-76	26	76	20 (6.7)/7.7
G38129	ZFEN-P-1-26-91	26	91	20 (6.7)/7.7
G38126	ZFEN-P-1-26-106	26	106	20 (6.7)/7.7
G38127	ZFEN-P-1-26-121	26	121	20 (6.7)/7.7
28 mm Diameter				
G38132	ZFEN-P-1-28-76	28	76	20 (6.7)/7.7
G38133	ZFEN-P-1-28-91	28	91	20 (6.7)/7.7
G38130	ZFEN-P-1-28-106	28	106	20 (6.7)/7.7
G38131	ZFEN-P-1-28-121	28	121	20 (6.7)/7.7
30 mm Diameter				
G38136	ZFEN-P-1-30-76	30	76	20 (6.7)/7.7
G38137	ZFEN-P-1-30-91	30	91	20 (6.7)/7.7
G38134	ZFEN-P-1-30-106	30	106	20 (6.7)/7.7
G38135	ZFEN-P-1-30-121	30	121	20 (6.7)/7.7
32 mm Diameter				
G38140	ZFEN-P-1-32-76	32	76	20 (6.7)/7.7
G38141	ZFEN-P-1-32-91	32	91	20 (6.7)/7.7
G38138	ZFEN-P-1-32-106	32	106	20 (6.7)/7.7
G38139	ZFEN-P-1-32-121	32	121	20 (6.7)/7.7
34 mm Diameter				
G38144	ZFEN-P-1-34-84	34	84	20 (6.7)/7.7
G38145	ZFEN-P-1-34-99	34	99	20 (6.7)/7.7
G38142	ZFEN-P-1-34-114	34	114	20 (6.7)/7.7
G38143	ZFEN-P-1-34-129	34	129	20 (6.7)/7.7
36 mm Diameter				
G38148	ZFEN-P-1-36-84	36	84	22 (7.3)/8.5
G38149	ZFEN-P-1-36-99	36	99	22 (7.3)/8.5
G38146	ZFEN-P-1-36-114	36	114	22 (7.3)/8.5
G38147	ZFEN-P-1-36-129	36	129	22 (7.3)/8.5

Zenith® Fenestrated AAA Endovascular Grafts

Proximal Body Grafts (cont.)

Order Number	Reference Part Number	Proximal Body Diameter mm	Proximal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
Two Proximal Internal Stents				
24 mm Diameter				
G38152	ZFEN-P-2-24-94	24	94	20 (6.7)/7.7
G38150	ZFEN-P-2-24-109	24	109	20 (6.7)/7.7
G38151	ZFEN-P-2-24-124	24	124	20 (6.7)/7.7
26 mm Diameter				
G38155	ZFEN-P-2-26-94	26	94	20 (6.7)/7.7
G38153	ZFEN-P-2-26-109	26	109	20 (6.7)/7.7
G38154	ZFEN-P-2-26-124	26	124	20 (6.7)/7.7
28 mm Diameter				
G38158	ZFEN-P-2-28-94	28	94	20 (6.7)/7.7
G38156	ZFEN-P-2-28-109	28	109	20 (6.7)/7.7
G38157	ZFEN-P-2-28-124	28	124	20 (6.7)/7.7
30 mm Diameter				
G38161	ZFEN-P-2-30-94	30	94	20 (6.7)/7.7
G38159	ZFEN-P-2-30-109	30	109	20 (6.7)/7.7
G38160	ZFEN-P-2-30-124	30	124	20 (6.7)/7.7
32 mm Diameter				
G38164	ZFEN-P-2-32-94	32	94	20 (6.7)/7.7
G38162	ZFEN-P-2-32-109	32	109	20 (6.7)/7.7
G38163	ZFEN-P-2-32-124	32	124	20 (6.7)/7.7
34 mm Diameter				
G38165	ZFEN-P-2-34-107	34	107	20 (6.7)/7.7
G38166	ZFEN-P-2-34-122	34	122	20 (6.7)/7.7
G38167	ZFEN-P-2-34-137	34	137	20 (6.7)/7.7
36 mm Diameter				
G38168	ZFEN-P-2-36-107	36	107	22 (7.3)/8.5
G38169	ZFEN-P-2-36-122	36	122	22 (7.3)/8.5
G38170	ZFEN-P-2-36-137	36	137	22 (7.3)/8.5



Zenith® Fenestrated AAA Endovascular Grafts

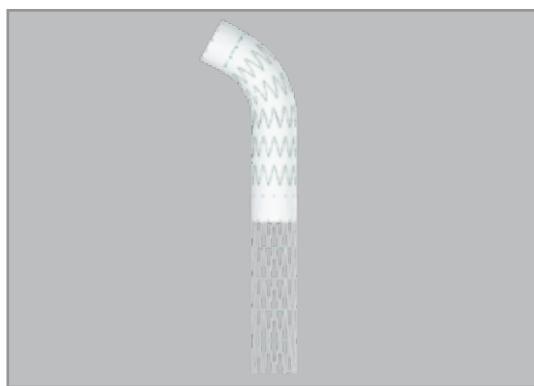
Distal Bifurcated Body Grafts

Order Number	Reference Part Number	Ipsilateral Leg Diameter mm	Distal Leg Length mm	Distal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
Distal Bifurcated Body Grafts					
G38079	ZFEN-D-12-28-76	12	28	76	20 (6.7)/7.7
G38574	ZFEN-D-12-28-94	12	28	94	20 (6.7)/7.7
G38577	ZFEN-D-12-28-109	12	28	109	20 (6.7)/7.7
G38580	ZFEN-D-12-28-124	12	28	124	20 (6.7)/7.7
G38083	ZFEN-D-12-45-76	12	45	76	20 (6.7)/7.7
G38583	ZFEN-D-12-45-94	12	45	94	20 (6.7)/7.7
G38587	ZFEN-D-12-45-109	12	45	109	20 (6.7)/7.7
G38591	ZFEN-D-12-45-124	12	45	124	20 (6.7)/7.7
G38087	ZFEN-D-12-62-76	12	62	76	20 (6.7)/7.7
G38595	ZFEN-D-12-62-94	12	62	94	20 (6.7)/7.7
G38599	ZFEN-D-12-62-109	12	62	109	20 (6.7)/7.7
G38603	ZFEN-D-12-62-124	12	62	124	20 (6.7)/7.7
G38091	ZFEN-D-16-28-76	16	28	76	20 (6.7)/7.7
G38575	ZFEN-D-16-28-94	16	28	94	20 (6.7)/7.7
G38578	ZFEN-D-16-28-109	16	28	109	20 (6.7)/7.7
G38581	ZFEN-D-16-28-124	16	28	124	20 (6.7)/7.7
G38095	ZFEN-D-16-45-76	16	45	76	20 (6.7)/7.7
G38584	ZFEN-D-16-45-94	16	45	94	20 (6.7)/7.7
G38588	ZFEN-D-16-45-109	16	45	109	20 (6.7)/7.7
G38592	ZFEN-D-16-45-124	16	45	124	20 (6.7)/7.7
G38099	ZFEN-D-16-62-76	16	62	76	20 (6.7)/7.7
G38596	ZFEN-D-16-62-94	16	62	94	20 (6.7)/7.7
G38600	ZFEN-D-16-62-109	16	62	109	20 (6.7)/7.7
G38604	ZFEN-D-16-62-124	16	62	124	20 (6.7)/7.7
G38103	ZFEN-D-20-28-76	20	28	76	20 (6.7)/7.7
G38576	ZFEN-D-20-28-94	20	28	94	20 (6.7)/7.7
G38579	ZFEN-D-20-28-109	20	28	109	20 (6.7)/7.7
G38582	ZFEN-D-20-28-124	20	28	124	20 (6.7)/7.7
G38107	ZFEN-D-20-45-76	20	45	76	20 (6.7)/7.7
G38585	ZFEN-D-20-45-94	20	45	94	20 (6.7)/7.7
G38589	ZFEN-D-20-45-109	20	45	109	20 (6.7)/7.7
G38593	ZFEN-D-20-45-124	20	45	124	20 (6.7)/7.7
G38111	ZFEN-D-20-62-76	20	62	76	20 (6.7)/7.7
G38597	ZFEN-D-20-62-94	20	62	94	20 (6.7)/7.7
G38601	ZFEN-D-20-62-109	20	62	109	20 (6.7)/7.7
G38605	ZFEN-D-20-62-124	20	62	124	20 (6.7)/7.7
G38115	ZFEN-D-24-45-76	24	45	76	20 (6.7)/7.7
G38586	ZFEN-D-24-45-94	24	45	94	20 (6.7)/7.7

Zenith® Fenestrated AAA Endovascular Grafts

Distal Bifurcated Body Grafts (cont.)

Order Number	Reference Part Number	Ipsilateral Leg Diameter mm	Distal Leg Length mm	Distal Body Length mm	Introducer Sheath ID/OD Fr (mm)/mm
G38590	ZFEN-D-24-45-109	24	45	109	20 (6.7)/7.7
G38594	ZFEN-D-24-45-124	24	45	124	20 (6.7)/7.7
G38119	ZFEN-D-24-62-76	24	62	76	20 (6.7)/7.7
G38598	ZFEN-D-24-62-94	24	62	94	20 (6.7)/7.7
G38602	ZFEN-D-24-62-109	24	62	109	20 (6.7)/7.7
G38606	ZFEN-D-24-62-124	24	62	124	20 (6.7)/7.7



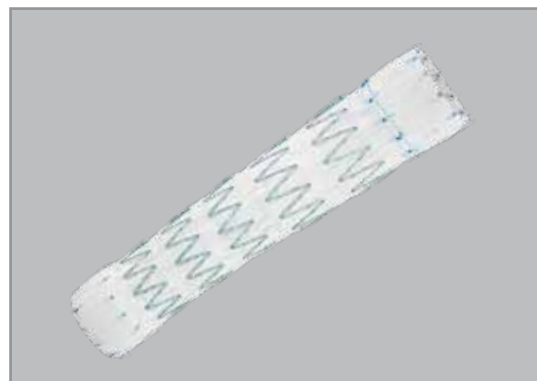
Zenith® TX2® Dissection Endovascular Grafts with Pro-Form® Straight Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter						
G24249	ZDEG-P-22-79-PF	P	20	22	79	20 (6.7)/7.7
G24250	ZDEG-P-22-117-PF	P	20	22	117	20 (6.7)/7.7
24 mm Diameter						
G24251	ZDEG-P-24-79-PF	P	21	24	79	20 (6.7)/7.7
G24253	ZDEG-P-24-117-PF	P	21	24	117	20 (6.7)/7.7
26 mm Diameter						
G24255	ZDEG-P-26-79-PF	P	22	26	79	20 (6.7)/7.7
G24257	ZDEG-P-26-136-PF	P	22	26	136	20 (6.7)/7.7
28 mm Diameter						
G24260	ZDEG-P-28-82-PF	P	24	28	82	20 (6.7)/7.7
G24262	ZDEG-P-28-142-PF	P	24	28	142	20 (6.7)/7.7
G24265	ZDEG-P-28-202-PF	P	24	28	202	20 (6.7)/7.7
30 mm Diameter						
G24267	ZDEG-P-30-82-PF	P	25-27	30	82	20 (6.7)/7.7
G24269	ZDEG-P-30-142-PF	P	25-27	30	142	20 (6.7)/7.7
G24271	ZDEG-P-30-202-PF	P	25-27	30	202	20 (6.7)/7.7
32 mm Diameter						
G24272	ZDEG-P-32-82-PF	P	28-29	32	82	20 (6.7)/7.7
G24275	ZDEG-P-32-142-PF	P	28-29	32	142	20 (6.7)/7.7
G24276	ZDEG-P-32-202-PF	P	28-29	32	202	20 (6.7)/7.7
34 mm Diameter						
G24277	ZDEG-P-34-79-PF	P	30	34	79	20 (6.7)/7.7
G24278	ZDEG-P-34-154-PF	P	30	34	154	20 (6.7)/7.7
G24279	ZDEG-P-34-204-PF	P	30	34	204	20 (6.7)/7.7
36 mm Diameter						
G24282	ZDEG-P-36-79-PF	P	31-32	36	79	22 (7.3)/8.5
G24283	ZDEG-P-36-154-PF	P	31-32	36	154	22 (7.3)/8.5
G24284	ZDEG-P-36-204-PF	P	31-32	36	204	22 (7.3)/8.5
38 mm Diameter						
G24285	ZDEG-P-38-79-PF	P	33-34	38	79	22 (7.3)/8.5
G24286	ZDEG-P-38-154-PF	P	33-34	38	154	22 (7.3)/8.5
G24287	ZDEG-P-38-204-PF	P	33-34	38	204	22 (7.3)/8.5

Zenith® TX2® Dissection Endovascular Grafts with Pro-Form®

Straight Components (cont.)

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
40 mm Diameter						
G24288	ZDEG-P-40-83-PF	P	35-36	40	83	22 (7.3)/8.5
G24289	ZDEG-P-40-164-PF	P	35-36	40	164	22 (7.3)/8.5
G24290	ZDEG-P-40-218-PF	P	35-36	40	218	22 (7.3)/8.5
42 mm Diameter						
G24291	ZDEG-P-42-83-PF	P	37-38	42	83	22 (7.3)/8.5
G24252	ZDEG-P-42-164-PF	P	37-38	42	164	22 (7.3)/8.5
G24292	ZDEG-P-42-218-PF	P	37-38	42	218	22 (7.3)/8.5



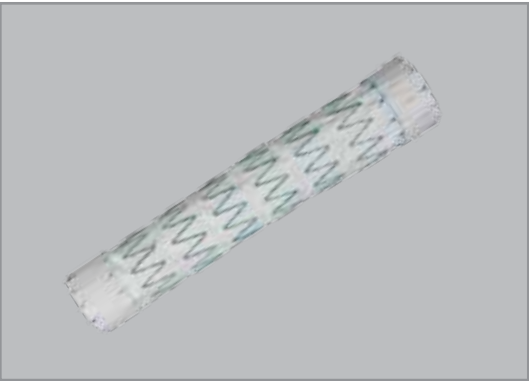
Zenith® TX2® TAA Endovascular Grafts with Pro-Form® Proximal Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter						
G52657	ZTEG-2P-22-115-PF	2P	20	22	115	20 (6.7)/7.7
24 mm Diameter						
G52662	ZTEG-2P-24-115-PF	2P	21	24	115	20 (6.7)/7.7
26 mm Diameter						
G52664	ZTEG-2P-26-134-PF	2P	22	26	134	20 (6.7)/7.7
28 mm Diameter						
G52667	ZTEG-2P-28-120-PF	2P	24	28	120	20 (6.7)/7.7
G52670	ZTEG-2P-28-140-PF	2P	24	28	140	20 (6.7)/7.7
G52676	ZTEG-2P-28-200-PF	2P	24	28	200	20 (6.7)/7.7
30 mm Diameter						
G52678	ZTEG-2P-30-120-PF	2P	25-27	30	120	20 (6.7)/7.7
G52682	ZTEG-2P-30-140-PF	2P	25-27	30	140	20 (6.7)/7.7
G52683	ZTEG-2P-30-200-PF	2P	25-27	30	200	20 (6.7)/7.7
32 mm Diameter						
G52684	ZTEG-2P-32-120-PF	2P	28-29	32	120	20 (6.7)/7.7
G52685	ZTEG-2P-32-140-PF	2P	28-29	32	140	20 (6.7)/7.7
G52686	ZTEG-2P-32-200-PF	2P	28-29	32	200	20 (6.7)/7.7
34 mm Diameter						
G52687	ZTEG-2P-34-127-PF	2P	30	34	127	20 (6.7)/7.7
G52688	ZTEG-2P-34-152-PF	2P	30	34	152	20 (6.7)/7.7
G52689	ZTEG-2P-34-202-PF	2P	30	34	202	20 (6.7)/7.7
36 mm Diameter						
G52690	ZTEG-2P-36-127-PF	2P	31-32	36	127	22 (7.3)/8.5
G52691	ZTEG-2P-36-152-PF	2P	31-32	36	152	22 (7.3)/8.5
G52692	ZTEG-2P-36-202-PF	2P	31-32	36	202	22 (7.3)/8.5
38 mm Diameter						
G52693	ZTEG-2P-38-127-PF	2P	33-34	38	127	22 (7.3)/8.5
G52694	ZTEG-2P-38-152-PF	2P	33-34	38	152	22 (7.3)/8.5
G52695	ZTEG-2P-38-202-PF	2P	33-34	38	202	22 (7.3)/8.5

Zenith® TX2® TAA Endovascular Grafts with Pro-Form®

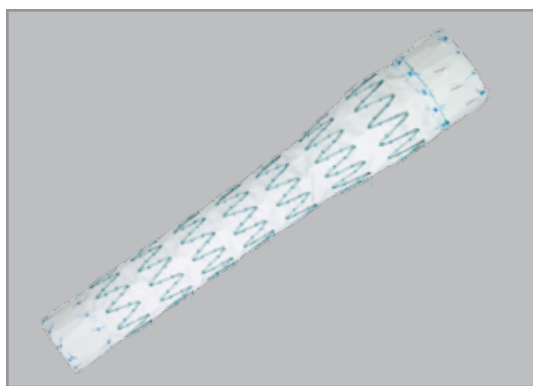
Proximal Components (cont.)

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
40 mm Diameter						
G52697	ZTEG-2P-40-135-PF	2P	35-36	40	135	22 (7.3)/8.5
G52698	ZTEG-2P-40-162-PF	2P	35-36	40	162	22 (7.3)/8.5
G52699	ZTEG-2P-40-216-PF	2P	35-36	40	216	22 (7.3)/8.5
42 mm Diameter						
G52701	ZTEG-2P-42-135-PF	2P	37-38	42	135	22 (7.3)/8.5
G52702	ZTEG-2P-42-162-PF	2P	37-38	42	162	22 (7.3)/8.5
G52703	ZTEG-2P-42-216-PF	2P	37-38	42	216	22 (7.3)/8.5



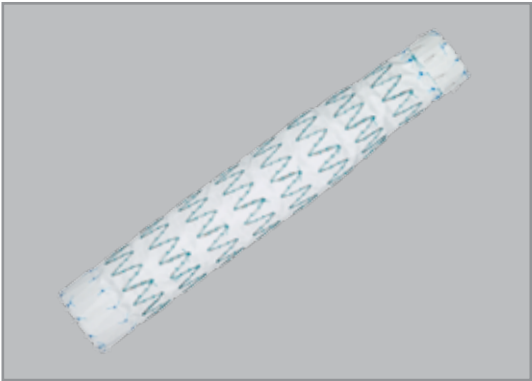
Zenith® TX2® TAA Endovascular Grafts with Pro-Form®
Proximal Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
32 mm Diameter						
G52704	ZTEG-2PT-32-160-PF	2PT	28-29	32	160	20 (6.7)/7.7
G52705	ZTEG-2PT-32-200-PF	2PT	28-29	32	200	20 (6.7)/7.7
34 mm Diameter						
G52706	ZTEG-2PT-34-157-PF	2PT	30	34	157	20 (6.7)/7.7
G52707	ZTEG-2PT-34-197-PF	2PT	30	34	197	20 (6.7)/7.7
36 mm Diameter						
G52708	ZTEG-2PT-36-157-PF	2PT	31-32	36	157	22 (7.3)/8.5
G52709	ZTEG-2PT-36-197-PF	2PT	31-32	36	197	22 (7.3)/8.5
38 mm Diameter						
G52711	ZTEG-2PT-38-152-PF	2PT	33-34	38	152	22 (7.3)/8.5
G52713	ZTEG-2PT-38-202-PF	2PT	33-34	38	202	22 (7.3)/8.5
40 mm Diameter						
G52715	ZTEG-2PT-40-158-PF	2PT	35-36	40	158	22 (7.3)/8.5
G52717	ZTEG-2PT-40-208-PF	2PT	35-36	40	208	22 (7.3)/8.5
42 mm Diameter						
G52718	ZTEG-2PT-42-158-PF	2PT	37-38	42	158	22 (7.3)/8.5
G52719	ZTEG-2PT-42-208-PF	2PT	37-38	42	208	22 (7.3)/8.5



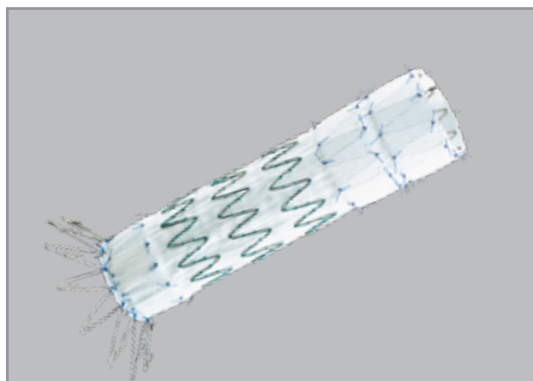
Zenith® TX2® TAA Endovascular Grafts with Pro-Form® Proximal Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
32 mm Diameter							
G23603	ZTEG-2PT-32-22-162-PF	2PT	28-29	32	22	162	20 (6.7)/7.7
G23604	ZTEG-2PT-32-22-202-PF	2PT	28-29	32	22	202	20 (6.7)/7.7
34 mm Diameter							
G23605	ZTEG-2PT-34-24-159-PF	2PT	30	34	24	159	20 (6.7)/7.7
G23606	ZTEG-2PT-34-24-199-PF	2PT	30	34	24	199	20 (6.7)/7.7
36 mm Diameter							
G23607	ZTEG-2PT-36-26-159-PF	2PT	31-32	36	26	159	22 (7.3)/8.5
G23608	ZTEG-2PT-36-26-199-PF	2PT	31-32	36	26	199	22 (7.3)/8.5
38 mm Diameter							
G23609	ZTEG-2PT-38-28-159-PF	2PT	33-34	38	28	159	22 (7.3)/8.5
G23610	ZTEG-2PT-38-28-199-PF	2PT	33-34	38	28	199	22 (7.3)/8.5
40 mm Diameter							
G23609	ZTEG-2PT-38-28-159-PF	2PT	33-34	38	28	159	22 (7.3)/8.5
G23610	ZTEG-2PT-38-28-199-PF	2PT	33-34	38	28	199	22 (7.3)/8.5
42 mm Diameter							
G23613	ZTEG-2PT-42-32-165-PF	2PT	37-38	42	32	165	22 (7.3)/8.5
G23614	ZTEG-2PT-42-32-205-PF	2PT	37-38	42	32	205	22 (7.3)/8.5



Zenith® TX2® TAA Endovascular Grafts with Pro-Form®
Proximal Reverse Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
32 mm Diameter							
G23591	ZTEG-2PT-26-32-162-PF	2PT	22	26	32	162	20 (6.7)/7.7
G23592	ZTEG-2PT-26-32-202-PF	2PT	22	26	32	202	20 (6.7)/7.7
34 mm Diameter							
G23593	ZTEG-2PT-28-34-167-PF	2PT	24	28	34	167	20 (6.7)/7.7
G23594	ZTEG-2PT-28-34-192-PF	2PT	24	28	34	192	20 (6.7)/7.7
36 mm Diameter							
G23595	ZTEG-2PT-30-36-167-PF	2PT	25-27	30	36	167	22 (7.3)/8.5
G23596	ZTEG-2PT-30-36-192-PF	2PT	25-27	30	36	192	22 (7.3)/8.5
38 mm Diameter							
G23597	ZTEG-2PT-32-38-167-PF	2PT	28-29	32	38	167	22 (7.3)/8.5
G23598	ZTEG-2PT-32-38-192-PF	2PT	28-29	32	38	192	22 (7.3)/8.5
40 mm Diameter							
G23599	ZTEG-2PT-34-40-160-PF	2PT	30	34	40	160	22 (7.3)/8.5
G23600	ZTEG-2PT-34-40-214-PF	2PT	30	34	40	214	22 (7.3)/8.5
42 mm Diameter							
G23601	ZTEG-2PT-36-42-160-PF	2PT	31-32	36	42	160	22 (7.3)/8.5
G23602	ZTEG-2PT-36-42-214-PF	2PT	31-32	36	42	214	22 (7.3)/8.5



Zenith® TX2® TAA Endovascular Grafts with Pro-Form® Distal Components

Order Number	Reference Part Number	Diameter mm	Length mm	Stents	Introducer Sheath ID/OD Fr (mm)/mm
28 mm Diameter					
G52659	ZTEG-2D-28-147-PF	2D	28	147	20 (6.7)/7.7
G52660	ZTEG-2D-28-207-PF	2D	28	207	20 (6.7)/7.7
30 mm Diameter					
G52728	ZTEG-2D-30-147-PF	2D	30	147	20 (6.7)/7.7
G52663	ZTEG-2D-30-207-PF	2D	30	207	20 (6.7)/7.7
32 mm Diameter					
G52666	ZTEG-2D-32-147-PF	2D	32	147	20 (6.7)/7.7
G52668	ZTEG-2D-32-207-PF	2D	32	207	20 (6.7)/7.7
34 mm Diameter					
G52669	ZTEG-2D-34-136-PF	2D	34	136	20 (6.7)/7.7
G52671	ZTEG-2D-34-186-PF	2D	34	186	20 (6.7)/7.7
36 mm Diameter					
G52672	ZTEG-2D-36-136-PF	2D	36	136	22 (7.3)/8.5
G52673	ZTEG-2D-36-186-PF	2D	36	186	22 (7.3)/8.5
38 mm Diameter					
G52674	ZTEG-2D-38-136-PF	2D	38	136	22 (7.3)/8.5
G52675	ZTEG-2D-38-186-PF	2D	38	186	22 (7.3)/8.5
40 mm Diameter					
G52677	ZTEG-2D-40-144-PF	2D	40	144	22 (7.3)/8.5
G52679	ZTEG-2D-40-198-PF	2D	40	198	22 (7.3)/8.5
42 mm Diameter					
G52680	ZTEG-2D-42-144-PF	2D	42	144	22 (7.3)/8.5
G52681	ZTEG-2D-42-198-PF	2D	42	198	22 (7.3)/8.5



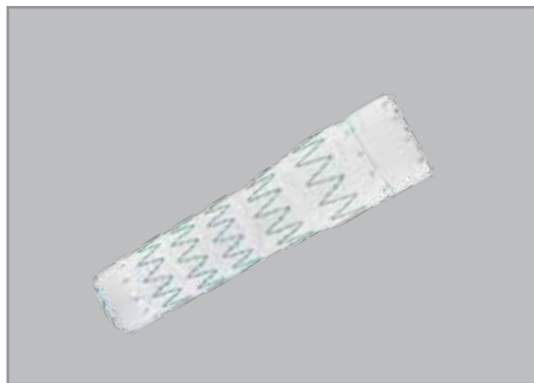
Zenith® TX2® TAA Endovascular Grafts with Pro-Form® Proximal Extensions

Order Number	Reference Part Number	Diameter mm	Length mm	Stents	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter					
G52646	TBE-22-80-PF	TBE	22	80	20 (6.7)/7.7
24 mm Diameter					
G52647	TBE-24-80-PF	TBE	24	80	20 (6.7)/7.7
26 mm Diameter					
G52648	TBE-26-80-PF	TBE	26	80	20 (6.7)/7.7
28 mm Diameter					
G52649	TBE-28-80-PF	TBE	28	80	20 (6.7)/7.7
30 mm Diameter					
G52650	TBE-30-80-PF	TBE	30	80	20 (6.7)/7.7
32 mm Diameter					
G52651	TBE-32-80-PF	TBE	32	80	20 (6.7)/7.7
34 mm Diameter					
G52652	TBE-34-77-PF	TBE	34	77	20 (6.7)/7.7
36 mm Diameter					
G52653	TBE-36-77-PF	TBE	36	77	22 (7.3)/8.5
38 mm Diameter					
G52654	TBE-38-77-PF	TBE	38	77	22 (7.3)/8.5
40 mm Diameter					
G52655	TBE-40-81-PF	TBE	40	81	22 (7.3)/8.5
42 mm Diameter					
G52656	TBE-42-81-PF	TBE	42	81	22 (7.3)/8.5



Zenith® TX2® TAA Endovascular Grafts with Pro-Form® Distal Extensions

Order Number	Reference Part Number	Diameter mm	Length mm	Stents	Introducer Sheath ID/OD Fr (mm)/mm
22 mm Diameter					
G52635	ESBE-22-80-T-PF	ESBE	22	80	20 (6.7)/7.7
24 mm Diameter					
G52636	ESBE-24-80-T-PF	ESBE	24	80	20 (6.7)/7.7
26 mm Diameter					
G52637	ESBE-26-80-T-PF	ESBE	26	80	20 (6.7)/7.7
28 mm Diameter					
G52638	ESBE-28-80-T-PF	ESBE	28	80	20 (6.7)/7.7
30 mm Diameter					
G52639	ESBE-30-80-T-PF	ESBE	30	80	20 (6.7)/7.7
32 mm Diameter					
G52640	ESBE-32-80-T-PF	ESBE	32	80	20 (6.7)/7.7
34 mm Diameter					
G52641	ESBE-34-77-T-PF	ESBE	34	77	20 (6.7)/7.7
36 mm Diameter					
G52642	ESBE-36-77-T-PF	ESBE	36	77	22 (7.3)/8.5
38 mm Diameter					
G52643	ESBE-38-77-T-PF	ESBE	38	77	22 (7.3)/8.5
40 mm Diameter					
G52644	ESBE-40-81-T-PF	ESBE	40	81	22 (7.3)/8.5
42 mm Diameter					
G52645	ESBE-42-81-T-PF	ESBE	42	81	22 (7.3)/8.5



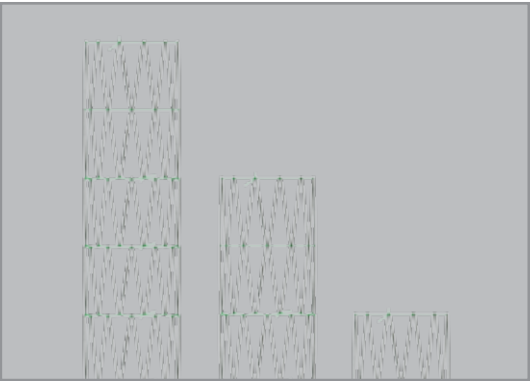
Zenith® Dissection Endovascular Grafts with Pro-Form® Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
32 mm Diameter							
G24254	ZDEG-PT-32-162-PF	PT	28-29	32	28	162	20(6.7)/7.7
G24256	ZDEG-PT-32-202-PF	PT	28-29	32	28	202	20(6.7)/7.7
34 mm Diameter							
G24258	ZDEG-PT-34-159-PF	PT	30	34	30	159	20(6.7)/7.7
G24259	ZDEG-PT-34-199-PF	PT	30	34	30	199	20(6.7)/7.7
36 mm Diameter							
G24261	ZDEG-PT-36-159-PF	PT	31-32	36	32	159	22(7.3)/8.5
G24263	ZDEG-PT-36-199-PF	PT	31-32	36	32	199	22(7.3)/8.5
38 mm Diameter							
G24264	ZDEG-PT-38-154-PF	PT	33-34	38	34	154	22(7.3)/8.5
G24266	ZDEG-PT-38-204-PF	PT	33-34	38	34	204	22(7.3)/8.5
40 mm Diameter							
G24268	ZDEG-PT-40-160-PF	PT	35-36	40	36	160	22(7.3)/8.5
G24270	ZDEG-PT-40-210-PF	PT	35-36	40	36	210	22(7.3)/8.5
42 mm Diameter							
G24273	ZDEG-PT-42-160-PF	PT	37-38	42	38	160	22(7.3)/8.5
G24274	ZDEG-PT-42-210-PF	PT	37-38	42	38	210	22(7.3)/8.5



Zenith® Dissection Endovascular Grafts with Pro-Form® Double Tapered Components

Order Number	Reference Part Number	Component Type	Neck Diameter mm	Proximal Diameter mm	Distal Diameter mm	Length mm	Introducer Sheath ID/OD Fr (mm)/mm
32 mm Diameter							
G23172	ZDEG-PT-32-24-158-PF	PT	28-29	32	24	158	20 (6.7)/7.7
G23173	ZDEG-PT-32-24-196-PF	PT	28-29	32	24	196	20 (6.7)/7.7
34 mm Diameter							
G23174	ZDEG-PT-34-26-156-PF	PT	30	34	26	156	20 (6.7)/7.7
G23175	ZDEG-PT-34-26-194-PF	PT	30	34	26	194	20 (6.7)/7.7
36 mm Diameter							
G23176	ZDEG-PT-36-28-159-PF	PT	31-32	36	28	159	22 (7.3)/8.5
G23177	ZDEG-PT-36-28-199-PF	PT	31-32	36	28	199	22 (7.3)/8.5
38 mm Diameter							
G23178	ZDEG-PT-38-30-159-PF	PT	33-34	38	30	159	22 (7.3)/8.5
G23179	ZDEG-PT-38-30-199-PF	PT	33-34	38	30	199	22 (7.3)/8.5
40 mm Diameter							
G23180	ZDEG-PT-40-32-165-PF	PT	35-36	40	32	165	22 (7.3)/8.5
G23181	ZDEG-PT-40-32-205-PF	PT	35-36	40	32	205	22 (7.3)/8.5
42 mm Diameter							
G23182	ZDEG-PT-42-34-160-PF	PT	37-38	42	34	160	22 (7.3)/8.5
G23183	ZDEG-PT-42-34-210-PF	PT	37-38	42	34	210	22 (7.3)/8.5



Zenith® Dissection Endovascular Stents

Endovascular Stents

Order Number	Reference Part Number	Diameter mm	Length mm	Stents	Introducer Sheath ID/OD Fr (mm)/mm
36 mm Diameter					
G23615	GZSD-36-82-2	36	82	4	16 (5.3)/6.5
G23616	GZSD-36-123-2	36	123	6	16 (5.3)/6.5
G23617	GZSD-36-164-2	36	164	8	16 (5.3)/6.5
46 mm Diameter					
G23618	GZSD-46-82-2	46	82	4	16 (5.3)/6.5
G23619	GZSD-46-123-2	46	123	6	16 (5.3)/6.5
G23620	GZSD-46-164-2	46	164	8	16 (5.3)/6.5

Vena Cava Filters

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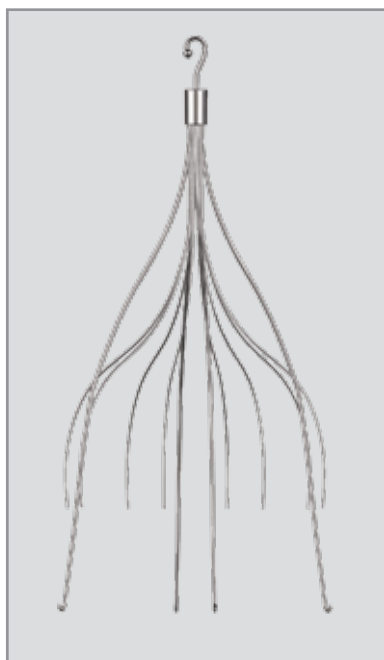
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Cook Günther Tulip® Filter Sets	
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Günther Tulip® Vena Cava Filter Retrieval Set	
Jugular Approach	181

Technology Overview



Leave it or retrieve it

The Select functions well as both a permanent Vena Cava filter and as a retrievable device. The Select provides a longer retrieval window. At up to 51 weeks the Select's probability of successful retrieval is 100%¹.

Accurate Placement

Secondary strut design centers the filter with minimal ingrowth.

Secure Fixation

Specially designed anchors for secure, atraumatic caval fixation.

¹ Lyon SM, Riojas GE, Uberoi R, et al. A prospective study of the Cook Select filter as a retrievable device. Presented at: CIRSE 2008; September 13-17, 2008; Copenhagen, Denmark.

**Trusted Line**

The industry's most comprehensive, most trusted IVC filter line, including the world's first optional filter.

Simple Placement

Tulip's unique hook enables accurate and simple jugular placement and superior retrievability.

Secure Fixation

Barbed hooks are specially designed to achieve strong caval fixation.



Cook Celest® Filter Sets with NavAlign™ Delivery

Femoral, Jugular and Universal Set

- Functions as both permanent vena cava filter and as a retrievable device.
- Conical design for effective clot trapping.
- Unique hook design for accurate placement and easy retrieval.
- Specially designed anchors for secure, atraumatic caval fixation.
- Long retrieval window.
- May be used in vena cava 15 to 30 mm in diameter.
- MR Conditional.

Order Number	Reference Part Number	Filter Maximum Diameter mm	Filter Length mm	Introducer Sheath Fr	Introducer Sheath Length cm
Femoral with NavAlign Delivery					
G52920	IGTCFS-65-2-FEM-CELECT	30	48	7.0	65
Jugular with NavAlign Delivery					
G52919	IGTCFS-65-2-JUG-CELECT	30	48	7.0	65
UniSet with NavAlign Delivery					
G52921	IGTCFS-65-2-UNI-CELECT	30	48	7.0	65



Cook Günther Tulip® Filter Sets with NavAlign™ Delivery

Femoral, Jugular and Universal Set

- Functions as both permanent vena cava filter and as a retrievable device.
- Conical design for effective clot trapping.
- Unique hook design for accurate placement and easy retrieval.
- Specially designed anchors for secure, atraumatic caval fixation.
- May be used in vena cava up to mm in diameter.
- MR Conditional.

Order Number	Reference Part Number	Filter Maximum Diameter mm	Filter Length mm	Introducer Sheath Fr	Introducer Sheath Length cm
Femoral with NavAlign Delivery					
G52925	IGTCFS-65-2-FEM-TULIP	30	50	7.0	65
Jugular with NavAlign Delivery					
G52924	IGTCFS-65-2-JUG-TULIP	30	50	7.0	65
UniSet with NavAlign Delivery					
G52926	IGTCFS-65-2-UNI-TULIP	30	50	7.0	65



Gianturco-Roehm Bird's Nest® Vena Cava Filters

Jugular Approach

- Permanent filter.
- Adapts to varying anatomic conditions while creating a fine wire multiplane filtering system.
- Secure fixation.
- May be used in vena cava up to 40 mm in diameter.
- Reliable deployment of filter with Push-button release mechanism.

Order Number	Reference Part Number	Filter Maximum Diameter mm	Filter Catheter Fr	Introducer Sheath Fr	Introducer Sheath Length cm
Femoral					
G06451	BNF-40-PB	40	11.0	12.0	40
Jugular					
G06452	BNF-75-PB	40	11.0	12.0	75



Günther Tulip® Vena Cava Filter Retrieval Set

Jugular Approach

- Designed to retrieve all optional Cook filters

Coaxial retrieval set includes:

- Needle 18 gage.
- Loop retrieval wire .035 inch.
- Coons dilator 12 Fr.
- Coaxial retrieval sheath system 11 Fr.

Order Number	Reference Part Number	Retrieval Catheter Fr	Retrieval Catheter Length cm	Introducer Sheath Fr	Introducer Sheath Length cm
RB™ Design Radiopaque Band					
G13287	GTRS-200-RB	6.3	80	11.0	60

Stopcocks, Adapters and Connecting Tubes

Stopcocks	
One-Way Stopcock.	184
Three-Way Stopcocks	184
Adapters and Connecting Tubes	
Check-Flo® Performer Adapters	185
Large Bore Tuohy-Borst Sidearm Adapter.	185
Connecting Tubes	185



- One-Way Stopcock
- Plastic.
 - Supplied sterile in peel-open packages.
 - Intended for one-time use.

Order Number	Reference Part Number
Female-to-Male Luer Lock	
G00213	POWS-FLL-MLL



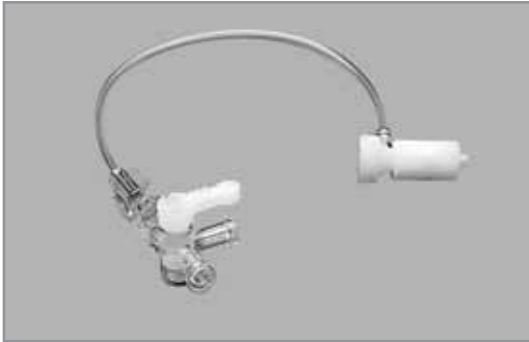
- Three-Way Stopcock
- Plastic.
 - Supplied sterile in peel-open packages.
 - Intended for one-time use.

Order Number	Reference Part Number
Two Female Luer Locks to Male Luer Lock	
G00219	PTWS-2FLL-MLL-R



- Three-Way Stopcock
- Clear Plastic.
 - Supplied sterile in peel-open packages.
 - Intended for one-time use.

Order Number	Reference Part Number
Two Female Luer Locks to Male Luer Lock with Rotating Adapter, rated to 1200 psi	
G06540	PTWSC-2FLL-MLL-R-HP



Check-Flo® Performer Adapters

- Plastic.
- Supplied sterile in peel-open packages.
- Intended for one-time use.

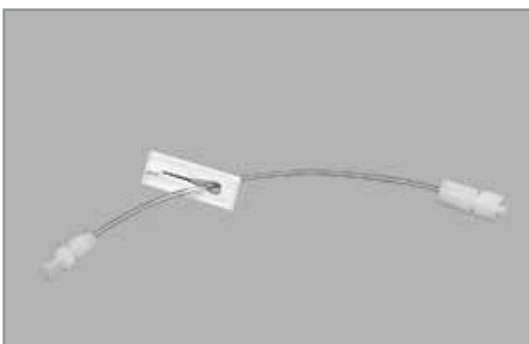
Order Number	Reference Part Number	Accepts Catheter Fr
G06002	CFM-100	≤ 9.0
G23121	CFM-200	≤ 9.0



Large Bore Tuohy-Borst Sidearm Adapter

- Clear Plastic.
- Supplied sterile in peel-open packages.
- Intended for one-time use.

Order Number	Reference Part Number	Accepts Catheter Fr	Accepts Device Diameter inch
Rotating Male Adapter			
G06299	PTBYC-RA	≤ 9.0	.014-.118



Connecting Tubes

- High Pressure.
- Supplied sterile in peel-open packages.
- Intended for one-time use.

Order Number	Reference Part Number	Fr	Length cm	Connections	Maximum Pressure kg/cm2 (psi)
Braided Polyethylene Plastic Fittings					
G00065	HPCT8.8-30-P-FM	8.8	30	FM	84 (1200)
G00067	HPCT8.8-60-P-FM	8.8	60	FM	84 (1200)
G00059	HPCT8.8-100-P-FM	8.8	100	FM	84 (1200)
G00061	HPCT8.8-120-P-FM	8.8	120	FM	84 (1200)
G00882	HPCT8.8-180-P-FM	8.8	180	FM	84 (1200)

FM = Female-to-Male Luer lock



Connecting Tubes

- Supplied sterile in peel-open packages.
- Intended for one-time use.

Order Number	Reference Part Number	Fr	Lumen Diameter mm	Length cm	Connections	Maximum Pressure kg/cm2 (psi)
Medium Pressure Polyurethane						
G00030	DPT5.3-15-P-FM	5.3	1.7	15	FM	30 (425)
G00043	DPT9.5-30-P-FM	9.5	1.7	30	FM	30 (425)
G00037	DPT9.5-120-P-FM	9.5	1.7	120	FM	30 (425)
Transparent Polyurethane Plastic Fittings						
G00052	DUCT9.5-30-P-FM	9.5	1.7	30	FM	30 (425)
G00053	DUCT9.5-60-P-FM	9.5	1.7	60	FM	30 (425)
G01552	DUCT9.5-100-P-FM	9.5	1.7	100	FM	30 (425)

FM = Female-to-Male Luer lock

Wire Guides

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Hydrophilic Wire Guides

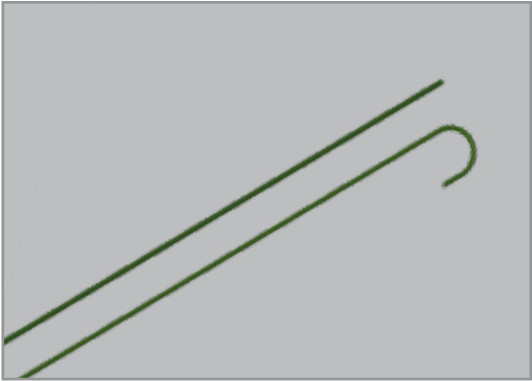
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Standard Wire Guides

- Used for vascular and nonvascular applications.
- Tapered fixed-core construction provides gradual transition to a flexible tip.
 - Available with Safe-T-J® curved tip to minimize vessel trauma.
 - PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Curve Radius mm
Straight				
PTFE Coated Stainless Steel				
G00587	TSF-18-145	.018	145	straight
G01528	TSF-18-180	.018	180	straight
G00590	TSF-18-260	.018	260	straight
G00602	TSF-21-145	.021	145	straight
G00605	TSF-21-260	.021	260	straight
G00617	TSF-25-145	.025	145	straight
G00620	TSF-25-260	.025	260	straight
G00638	TSF-32-145	.032	145	straight
G00650	TSF-35-145	.035	145	straight
G00652	TSF-35-180	.035	180	straight
G00655	TSF-35-260	.035	260	straight
G00670	TSF-38-145	.038	145	straight
G00674	TSF-38-260	.038	260	straight
Curved				
PTFE Coated Stainless Steel				
G00436	TSCF-18-145-3	.018	145	3
G02160	TSCF-18-180-3	.018	180	3
G00452	TSCF-21-145-3	.021	145	3
G00455	TSCF-21-260-3	.021	260	3
G00466	TSCF-25-145-3	.025	145	3
G00471	TSCF-25-260-3	.025	260	3
G00488	TSCF-32-145-3	.032	145	3
G00507	TSCF-35-145-1.5	.035	145	1.5
G00511	TSCF-35-145-3	.035	145	3
G00513	TSCF-35-145-7.5	.035	145	7.5
G00509	TSCF-35-145-15	.035	145	15
G00902	TSCF-35-180-3	.035	180	3
G01304	TSCF-35-180-1.5	.035	180	1.5
G02481	TSCF-35-180-15	.035	180	15
G00515	TSCF-35-200-3	.035	200	3
G01505	TSCF-35-220-3	.035	220	3
G00791	TSCF-35-260-1.5	.035	260	1.5
G00517	TSCF-35-260-3	.035	260	3
G00541	TSCF-38-145-3	.038	145	3
G01500	TSCF-38-180-3	.038	180	3
G00546	TSCF-38-260-3	.038	260	3

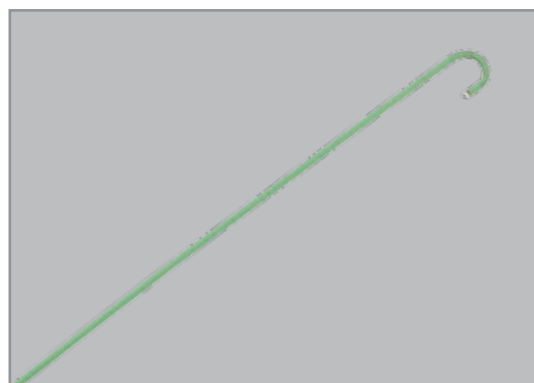


Double Flexible-Tipped Fixed-Core Wire Guides

Used for access and catheterization procedures.

- Provides both straight and 3 mm J-shaped flexible tips on one wire.
- Permits alternative use of both ends depending on procedural needs.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	First Tip Curve	Second Tip Curve Radius mm
PTFE Coated Stainless Steel					
G01306	TDOC-35-145-0-1.5	.035	145	straight	1.5
G00362	TDOC-35-145-0-3	.035	145	straight	3
G04648	TDOC-35-180-0-3	.035	180	straight	3
G03794	TDOC-35-260-0-3	.035	260	straight	3

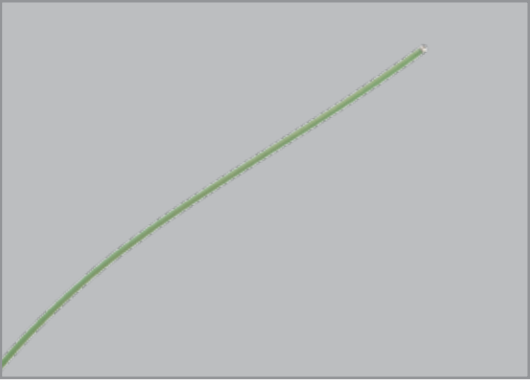


Movable Core Wire Guides

Used to negotiate tortuous vessels.

- PTFE-coated movable core provides smooth advancement or withdrawal of the movable core.
- Tapered distal end provides gradual flexible-tip transition.
- Available in straight and curved tip configurations.

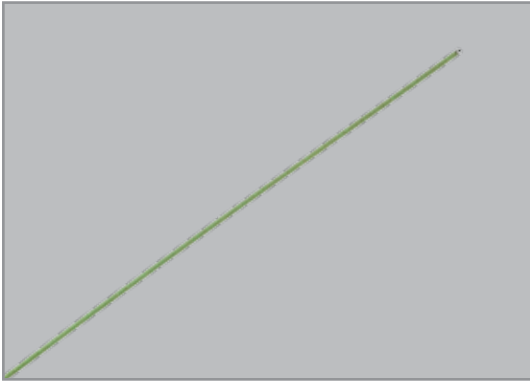
Order Number	Reference Part Number	Diameter inch	Length cm	Tip Curve Radius mm
Tefcor™ - Straight				
PTFE Coated Stainless Steel				
G01677	TMT-35-145	.035	145	straight
Tapered Tefcor - Curved				
PTFE Coated Stainless Steel				
G01730	TCMTNA-35-145-1.5	.035	145	1.5
G01678	TCMTNA-35-145-3	.035	145	3



Bentson Cerebral Wire Guides

- Used for vascular and nonvascular applications.
- Atraumatic tip with an extra-floppy 5 cm distal portion.
 - Distal flexibility for negotiating tortuous areas of the anatomy.
 - Large-diameter core provides additional body for catheter control.
 - PTFE-coated stainless steel.

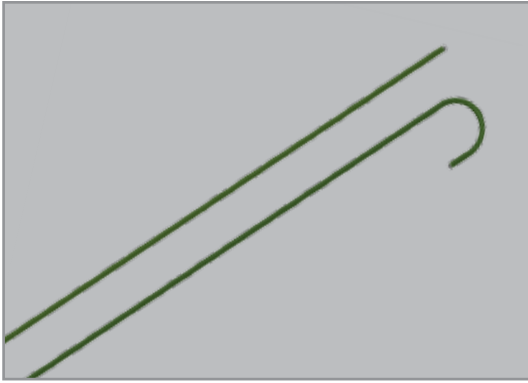
Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Distal Floppy Segment cm	Tip Curve Radius mm
Straight						
PTFE Coated Stainless Steel						
G04304	TSFB-25-180	.025	180	15	5	straight
G00691	TSFB-35-145	.035	145	15	5	straight
G01290	TSFB-35-180	.035	180	15	5	straight
G01095	TSFB-35-200	.035	200	15	5	straight
G01063	TSFB-35-260	.035	260	15	5	straight
G00693	TSFB-38-145	.038	145	15	5	straight
Curved						
PTFE Coated Stainless Steel						
G02018	TSCFB-35-145-15	.035	145	15	5	15



Newton Cerebral Wire Guides

- Used for vascular and nonvascular applications.
- Atraumatic, flexible tip for negotiating tortuous anatomy.
 - Available with 10 or 15 cm long tapered core.
 - PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Tip Curve Radius mm
LLT - 10 Tapered Core - Straight					
PTFE Coated Stainless Steel					
G00701	TSFNA-35-145	.035	145	10	straight
Curved					
PTFE Coated Stainless Steel					
G00561	TSCFNA-35-145-3	.035	145	10	3
LLT - 15 Tapered Core - Straight					
PTFE Coated Stainless Steel					
G00715	TSFNB-35-145	.035	145	15	straight
G00719	TSFNB-38-145	.038	145	15	straight
G01155	THSFNB-35-260	.035	260	15	straight
Curved					
PTFE Coated Stainless Steel					
G00572	TSCFNB-35-145-15	.035	145	15	straight
G00578	TSCFNB-38-145-15	.038	145	15	straight

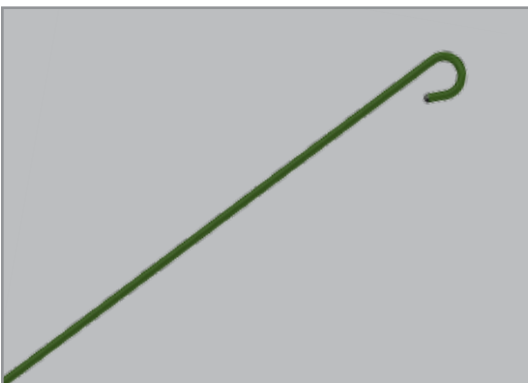


Heavy-Duty Wire Guides

Used for vascular and nonvascular applications.

- Tapered fixed-core construction provides gradual transition to a flexible tip.
- Available with Safe-T-J® curved tip to minimize vessel trauma.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Curve Radius mm
Straight				
PTFE Coated Stainless Steel				
G02417	THSF-18-145	.018	145	straight
G01057	THSF-35-145	.035	145	straight
G01237	THSF-35-180	.035	180	straight
G00423	THSF-35-260	.035	260	straight
G00881	THSF-38-260	.038	260	straight
Curved				
PTFE Coated Stainless Steel				
G00412	THSCF-35-145-3	.035	145	3
G01145	THSCF-35-180-3	.035	180	3
G01197	THSCF-35-260-3	.035	260	3

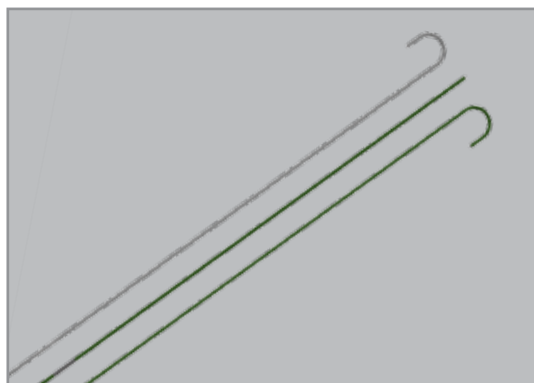


Rosen Heavy-Duty Wire Guides

Used for angioplasty catheter exchange.

- Heavy-duty mandril delivers the body needed for catheter exchange.
- 2 cm flexible tip for atraumatic catheter exchange.
- Tightened J-shaped tip configuration allows for minimal extension beyond catheter tip.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Tip Curve Radius mm
G01261	THSCF-35-145-1.5-ROSEN	.035	145	2	1.5
G01264	THSCF-35-180-1.5-ROSEN	.035	180	2	1.5
G01253	THSCF-35-260-1.5-ROSEN	.035	260	2	1.5

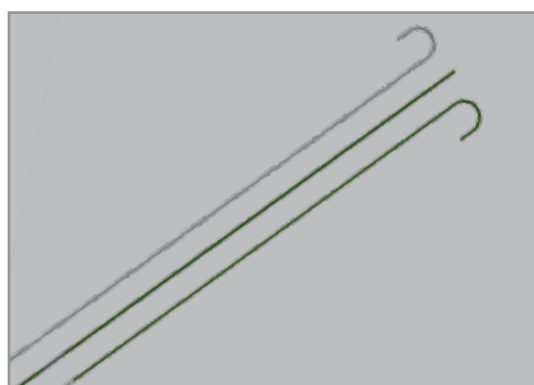


Amplatz Stiff Wire Guides

Used for access and catheterization procedures.

- Increased inner diameter of wire guide coil provides support with a variety of mandril stiffness options.
- Gradual transition to flexible distal tip helps facilitate atraumatic negotiation of tortuous anatomy.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Straight PTFE Coated Stainless Steel				
G27032	THSF-35-145-ASG	.035	145	straight
G28781	THSF-35-180-ASG	.035	180	straight
G27035	THSF-35-260-ASG	.035	260	straight

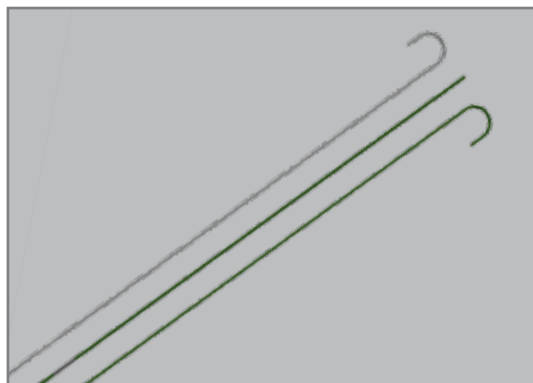


Amplatz Extra-Stiff Wire Guides

Used for access and catheterization procedures.

- Increased inner diameter of wire guide coil provides support with a variety of mandril stiffness options.
- Gradual transition to flexible distal tip helps facilitate atraumatic negotiation of tortuous anatomy.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Curve Radius mm
Straight PTFE Coated Stainless Steel				
G03331	THSF-25-180-AES	.025	180	straight
G04047	THSF-25-260-AES	.025	260	straight
G03330	THSF-35-180-AES	.035	180	straight
G03562	THSF-35-260-AES	.035	260	straight
G04001	THSF-35-300-AES	.035	300	straight
G03216	THSF-38-260-AES	.038	260	straight
G03579	THSF-38-300-AES	.038	300	straight
Curved PTFE Coated Stainless Steel				
G03304	THSCF-25-145-3-AES	.025	145	3
G05067	THSCF-25-260-3-AES	.025	260	3
G03750	THSCF-32-260-3-AES	.032	260	3
G03377	THSCF-35-145-7.5-AES	.035	145	7.5
G03565	THSCF-35-180-3-AES	.035	180	3
G03460	THSCF-35-260-3-AES	.035	260	3
G03217	THSCF-38-260-3-AES	.038	260	3



Amplatz Ultra-Stiff Wire Guides

Used for access and catheterization procedures.

- Increased inner diameter of wire guide coil provides support with a variety of mandril stiffness options.
- Gradual transition to flexible distal tip helps facilitate atraumatic negotiation of tortuous anatomy.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Tip Curve Radius mm
Straight					
PTFE Coated Stainless Steel					
G19850	THSF-35-145-AUS1	.035	145	3	straight
G19852	THSF-35-145-AUS2	.035	145	7	straight
G19865	THSF-35-180-AUS1	.035	180	3	straight
G20131	THSF-35-180-AUS2	.035	180	7	straight
G19851	THSF-35-260-AUS1	.035	260	3	straight
Straight Exchange					
Curved					
PTFE Coated Stainless Steel					
G19867	THSCF-35-145-3-AUS1	.035	145	3	3
G20220	THSCF-35-145-3-AUS2	.035	145	7	3
G19868	THSCF-35-180-3-AUS1	.035	180	3	3
G19853	THSCF-35-180-3-AUS2	.035	180	7	3
G20170	THSCF-35-260-3-AUS1	.035	260	3	3

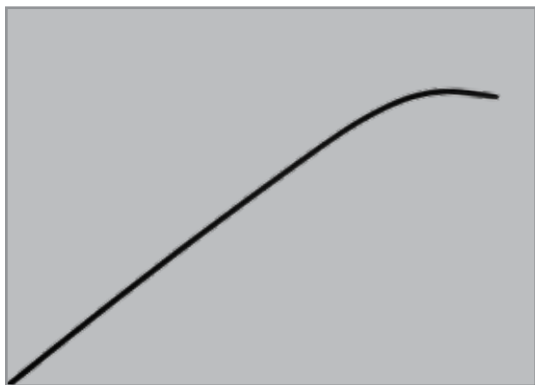


Lunderquist® Extra-Stiff Wire Guides

Used for complex diagnostic and interventional procedures.

- Proximal portion of wire guide provides maximum support.
- Variety of highly flexible tip configurations.
- PTFE-coated stainless steel.

Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Tip Curve Radius mm
Straight					
TFE Coated Stainless Steel					
G49226	TSMG-35-145-4-LES	.035	145	4	straight
G49227	TSMG-35-145-7-LES	.035	145	7	straight
G46729	TSMG-35-180-4-LES	.035	180	4	straight
G49228	TSMG-35-180-7-LES	.035	180	7	straight
Curved					
TFE Coated Stainless Steel					
G46727	TSCMG-35-145-4-3-LES	.035	145	4	3
G49230	TSCMG-35-180-4-3-LES	.035	180	4	3



HiWire® Hydrophilic Wire Guides

Used to facilitate the placement of devices during diagnostic and interventional procedures.

- Enhanced coating provides long-lasting lubricity.
- Optimum shaft stiffness and tip flexibility, combined with 1:1 torque response, provide total control.
- Advanced radiopaque materials enhance the visibility of HiWire Hydrophilic wire guides.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Standard Shaft				
G48670	HWA-18-80	.018	80	angled
G36275	HWA-18-150	.018	150	angled
G36277	HWA-18-180	.018	180	angled
G36278	HWA-18-260	.018	260	angled
G36276	HW-18-180	.018	180	straight
G36280	HWA-25-180	.025	180	angled
G36281	HWA-25-260	.025	260	angled
G36334	HW-25-150	.025	150	straight
G48671	HWA-35-80	.035	80	angled
G36282	HWA-35-150	.035	150	angled
G36284	HWA-35-180	.035	180	angled
G36300	HWA-35-260	.035	260	angled
G36283	HW-35-150	.035	150	straight
G36324	HW-35-180	.035	180	straight
G36325	HW-35-260	.035	260	straight
G36286	HWA-38-150	.038	150	angled
G36288	HWA-38-180	.038	180	angled
G36301	HWA-38-260	.038	260	angled
G36287	HW-38-150	.038	150	straight
G36335	HW-38-180	.038	180	straight
Stiff Shaft				
G36290	HWAS-35-150	.035	150	angled
G36292	HWAS-35-180	.035	180	angled
G36293	HWAS-35-260	.035	260	angled
G36291	HWS-35-150	.035	150	straight
G36326	HWS-35-180	.035	180	straight
G36327	HWS-35-260	.035	260	straight
G36297	HWAS-38-260	.038	260	angled
G36336	HWS-38-180	.038	180	straight



Roadrunner® PC Wire Guides

Nimble®

Used for complex diagnostic and interventional procedures where extra support is needed for catheter exchange or manipulation.

- Heavy-duty nitinol mandril provides support and 1:1 torque response to distal platinum spring coil.
- Angled tip facilitates directional control.
- Nitinol flexible shaft coupled with short, minimally attenuated, atraumatic tip.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Short Taper/Flexible Shaft				
Polymer Coated Nitinol Core - AQ® Hydrophilic Coating and Platinum Tip				
G09607	RFSPC-35-145	.035	145	angled
G09608	RFSPC-35-180	.035	180	angled



Roadrunner® PC Wire Guides

Nimble® Floppy

Used for complex diagnostic and interventional procedures where extra support is needed for catheter exchange or manipulation.

- Heavy-duty nitinol mandril provides support and 1:1 torque response to distal platinum spring coil.
- Angled tip facilitates directional control.
- Nitinol flexible shaft coupled with attenuated, atraumatic tip.
- Higher tip flexibility.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Standard Taper/Flexible Shaft				
Polymer Coated Nitinol Core - AQ® Hydrophilic Coating and Platinum Tip				
G07914	RFPC-35-145	.035	145	angled
G07915	RFPC-35-145-0	.035	145	straight
G07937	RFPC-35-180	.035	180	angled
G09029	RFPC-35-260	.035	260	angled



Roadrunner® PC Wire Guides

The Firm™

Used for complex diagnostic and interventional procedures where extra support is needed for catheter exchange or manipulation.

- Heavy-duty nitinol mandril provides support and 1:1 torque response to distal platinum spring coil.
- Angled tip facilitates directional control.
- Nitinol extra-support shaft coupled with attenuated, atraumatic tip.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Standard Taper/Stiff Shaft				
Polymer Coated Nitinol Core - AQ® Hydrophilic Coating and Platinum Tip				
G09534	RPC-35-80	.035	80	angled
G06979	RPC-35-145	.035	145	angled
G07285	RPC-35-145-0	.035	145	straight
G07518	RPC-35-180	.035	180	angled
G09105	RPC-35-260	.035	260	angled
G06980	RPC-38-145	.038	145	angled
G07286	RPC-38-145-0	.038	145	straight



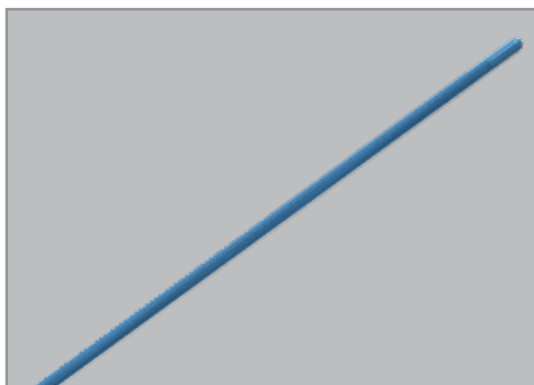
Roadrunner® PC Wire Guides

The Firm™ LT

Used for complex diagnostic and interventional procedures where extra support is needed for catheter exchange or manipulation.

- Heavy-duty nitinol mandril provides support and 1:1 torque response to distal platinum spring coil.
- Angled tip facilitates directional control.
- Nitinol extra-support shaft coupled with long, attenuated, atraumatic tip.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
Long Taper/Stiff Shaft				
Polymer Coated Nitinol Core - AQ® Hydrophilic Coating and Platinum Tip				
G06866	RLPC-35-145	.035	145	angled
G07516	RLPC-35-180	.035	180	angled

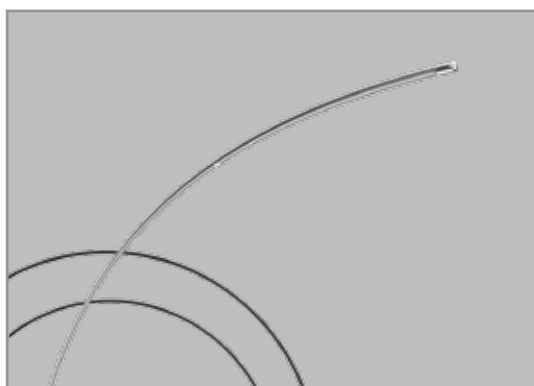


Approach® Hydro ST

Used to facilitate delivery of percutaneous catheters into the peripheral vasculature.

- Supportive stainless steel mandril helps in navigating support catheters smoothly through the vessel.
- Shorter taper with hydrophilic coating for smooth advancement through the vessel.
- Platinum coils in the distal tip provide extra visibility.

Order Number	Reference Part Number	Diameter inch	Length cm
G52937	HMW-14-135-ST	.014	135
G52938	HMW-14-190-ST	.014	190
G52939	HMW-14-300-ST	.014	300



Approach® CTO

Used to facilitate delivery of percutaneous catheters into the peripheral vasculature.

- Supportive stainless steel mandril helps in navigating support catheters smoothly through the vessel.
- Wide selection of tip loads for crossing challenging lesions: 6, 12, 18 and 25 grams.
- Shorter taper provides enhanced pushability and penetration power.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Load g
G50782	CMW-14-135-6G	.014	135	6
G50786	CMW-14-190-6G	.014	190	6
G50790	CMW-14-300-6G	.014	300	6
G50783	CMW-14-135-12G	.014	135	12
G50787	CMW-14-190-12G	.014	190	12
G50791	CMW-14-300-12G	.014	300	12
G50784	CMW-14-135-18G	.014	135	18
G50788	CMW-14-190-18G	.014	190	18
G50792	CMW-14-300-18G	.014	300	18
G50785	CMW-14-135-25G	.014	135	25
G50789	CMW-14-190-25G	.014	190	25
G50793	CMW-14-300-25G	.014	300	25

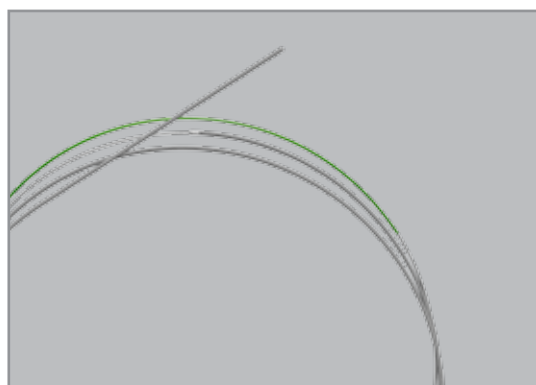


Roadrunner® Extra-Support Wire Guides

Used for complex diagnostic and interventional procedures where extra support is needed for catheter exchange or manipulation.

- Heavy-duty nitinol mandril provides support and 1:1 torque response to distal platinum spring coil.
- Angled tip facilitates directional control.

Order Number	Reference Part Number	Diameter inch	Length cm	Flexible Tip Length cm	Coil Length cm
PTFE Coated Nitinol with Platinum Tip					
G08777	RSTF-14-180	.014	180	6	6
G08801	RSTF-14-300	.014	300	6	6
G07557	RSTF-18-180	.018	180	6	6
G07640	RSTF-18-300	.018	300	6	6



Microwire Guides

- Four different taper configurations.
- Stainless steel shaft provides reliable 1:1 torque control and steerability.
- The radiopaque 3 cm platinum coil tip provides visibility.
- The hydrophilic coating increases steerability, trackability and pushability.

Order Number	Reference Part Number	Diameter inch	Length cm	Platinum Spring Coil Tip Length cm	Tip Configuration
Cirrus®-14 PTFE Coated Stainless Steel					
G20114	TPMG-14-180-CIRRUS	.014	180	3	straight
PTFE Coated Stainless Steel - AQ® Hydrophilic Coating					
G20990	TPMG-14-180-CIR-HC	.014	180	3	straight
Sagitta®-16 PTFE Coated Stainless Steel - AQ Hydrophilic Coating					
G28815	TPMG-16-135-SAG-HC	.016	135	3	straight
G21001	TPMG-16-180-SAG-HC	.016	180	3	straight
Cepheus®-14 PTFE Coated Stainless Steel - AQ Hydrophilic Coating					
G20992	TPMG-14-180-CEP-HC	.014	180	3	straight
Conic™-16 PTFE Coated Stainless Steel					
G28817	TPMG-16C-150-TC35-FLX12	.016	150	3	straight
G08449	TPMG-16C-180-TC45-FLX12	.016	180	3	straight

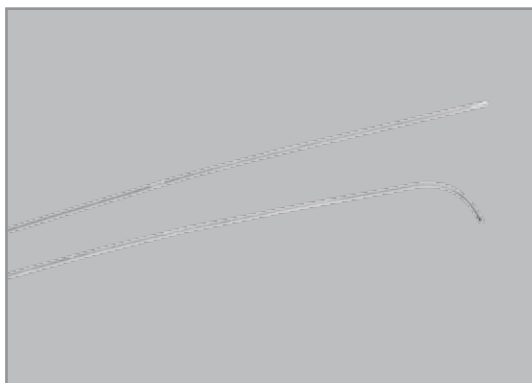


Cope Mandril Wire Guide

Used for complex diagnostic and interventional procedures.

- Soft, angled, platinum coil distal tip for increased visualization and precise directional control.
- Available with stainless steel or nitinol mandrils.

Order Number	Reference Part Number	Diameter inch	Length cm
Nitinol Platinum Tip			
G09395	PMG-18SP-60-COPE-NT-ST	.018	60

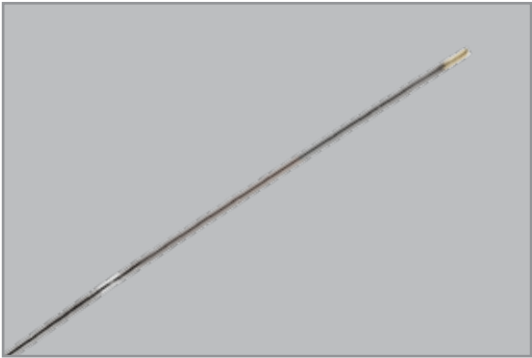


Approach® Pro LT

Used to facilitate delivery of percutaneous catheters into the peripheral vasculature.

- Linear-elastic nitinol provides high-performance maneuverability, support and kink resistance.
- Palladium-coiled distal tip offers extra visibility.
- Available in preformed angled or shapeable tip versions.

Order Number	Reference Part Number	Diameter inch	Length cm	Tip Configuration
G47732	CMW-14-135	.014	135	shapeable
G47733	CMW-14-190	.014	190	shapeable
G47734	CMW-14-300	.014	300	shapeable
G47735	CMWA-14-135	.014	135	angled
G47736	CMWA-14-190	.014	190	angled
G47737	CMWA-14-300	.014	300	angled

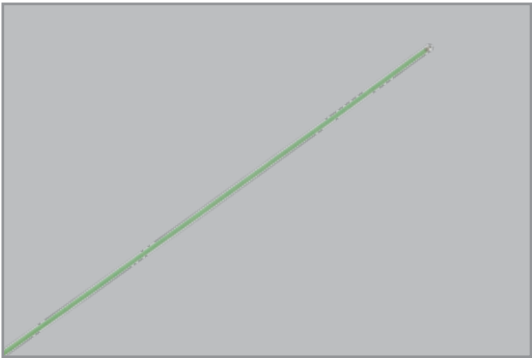


Disposable Reuter Tip Deflecting Wire Guide

Used for curving or deflecting catheter tips during selective and superselective angiography, pulmonary angiography and other applications.

- Controlled deflection of the wire guide tip within the catheter lumen. with strict imaging control facilitates catheter tip movement.
- Distal tip of wire guide must never extend beyond distal catheter tip.
- The use of a one-size-larger diameter tipdeflecting wire guide will prevent wireguide tip from inadvertently exiting catheter tip during manipulation.

Order Number	Reference Part Number	Diameter inch	Deflects Catheter Length cm	Radius of Curve Wire Deflected mm
Stainless Steel				
G07899	DTDW-35-145-10	.035	145	10

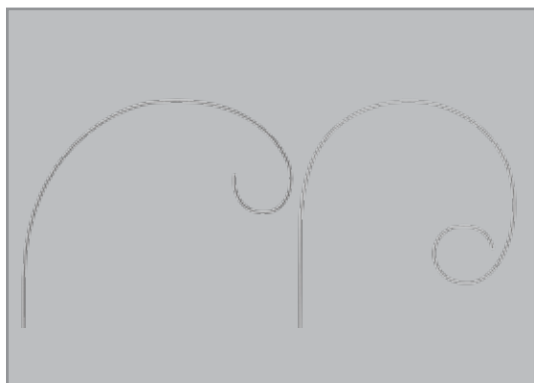


Graduate Vessel Measuring Wire Guides

Used to determine accurate sizing of vessel lumen prior to angioplasty, embolization, aortic graft surgery and other interventions.

- Gold radiopaque markers delineate 25 cm of length for precise measuring.
- Six distal markers are spaced 1 cm apart.
- Four proximal markers are spaced at 5 cm increments.

Order Number	Reference Part Number	Diameter inch	Length cm
Straight PTFE Coated Stainless Steel			
G09452	MG-35-145-GRAD	.035	145
G09508	MG-35-180-GRAD	.035	180



Lunderquist® Extra-Stiff DC Wire Guides

Order Number	Reference Part Number	Diameter inch	Length cm	Primary Curve Radius mm	Secondary Curve Radius mm	Flexible Tip Length cm
Straight Exchange - PTFE Coated Stainless Steel						
G31453	TSCMG-35-260-LES	.035	260	4	Straight	15
G45352	TSCMG-35-300-LES	.035	300	4	Straight	15
Curved Exchange - PTFE Coated Stainless Steel						
G45353	TSCMG-35-260-7- LES	.035	260	4	7.5	15
G45407	TSCMG-35-300-7- LES	.035	300	4	7.5	15
Double-Curved Exchange - PTFE Coated Stainless Steel						
G45208	TSCMG-35-260-LESDC	.035	260	4	75/15	15
G45408	TSCMG-35-300-LESDC	.035	300	4	75/15	15
Extended Curve Exchange - PTFE Coated Stainless Steel						
G53967	TSCMG-35-260- E-LESDC	.035	260	4	55/15	15
G53971	TSCMG-35-300- E-LESDC	.035	300	4	55/15	15



Olcott Torque Device

- Used to facilitate directional control of wire guides.
- Unique single-handed operation permits rapid position changes during procedural use.
- Single size allows use with standard and hydrophilic wire guides ranging in size.
- Supplied sterile in peel-open packages.
- Intended for one-time use.

Global Product Number	Order Number	Accepts Wire Guide inch
G13811	OTD-100	.014 - .045



Pin Vise

- Used to aid in the manipulation of wire guides ranging in size from .015 to .028.
- Supplied sterile in peel-open packages.
 - Intended for one-time use.

Global Product Number	Order Number	Accepts Wire Guide inch
G03468	PPV-100	.015 - .018
G04725	PPV-200	.021 - .028



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