

PARLEC
Measurably Better



SIMULFIT® TOOLHOLDING SOLUTIONS



HISTORY

- 1948 Parlec is established in Rochester N.Y., as a job shop specializing in the manufacturing of Sulky Hubs.
- 1973 Parlec begins producing and distributing the Numertap and Autofacer product lines.
- 1977 Parlec expands its product line with the introduction of Toolholders, which are sold as Numertap and Autofacer accessories.
- 1980 The first Parsetter TMM® is produced.
- 1985 Parlec builds a new 42,000 square-foot, state-of-the-art manufacturing facility just outside of Rochester in Fairport, N.Y.
- 1992 Parlec begins to manufacture and distribute its own line of Boring Tools.
- 1997 Parlec becomes ISO 9001 certified. Parlec's sales triple from 1992-1997.
- 1998 Parlec further enhances its product line to include Workholding. Construction of a 58,000 square-foot plant addition begins.
- 2003 Parlec enters the Asian market with the opening of a sales and service office in Nanjing China.
- 2004 Parlec acquires Bristol Tool. Driven and static tools are added to Parlec's extensive product line. A new sales, engineering and distribution facility opens in Bristol, England.
- 2006 Parlec continues to expand its world wide footprint by opening a Wholly Owned Foreign Enterprise in Nanjing. This gives the company full sales, engineering, customer support and distribution capabilities on 3 continents.
- 2009 Sales offices are opened in Tianjin, Xian, Wuxi, and Chengdu to expand the China presence.
- 2010 Parlec partners with Gerardi for distribution of Driven & Static Tooling in Europe. Parlec begins distribution of Right angle heads in China.
- 2012 Parlec successfully completes a \$5 million dollar capital investment campaign to automate and expand its manufacturing capabilities in the United States.
- 2014 Parlec partners with TDM Systems.



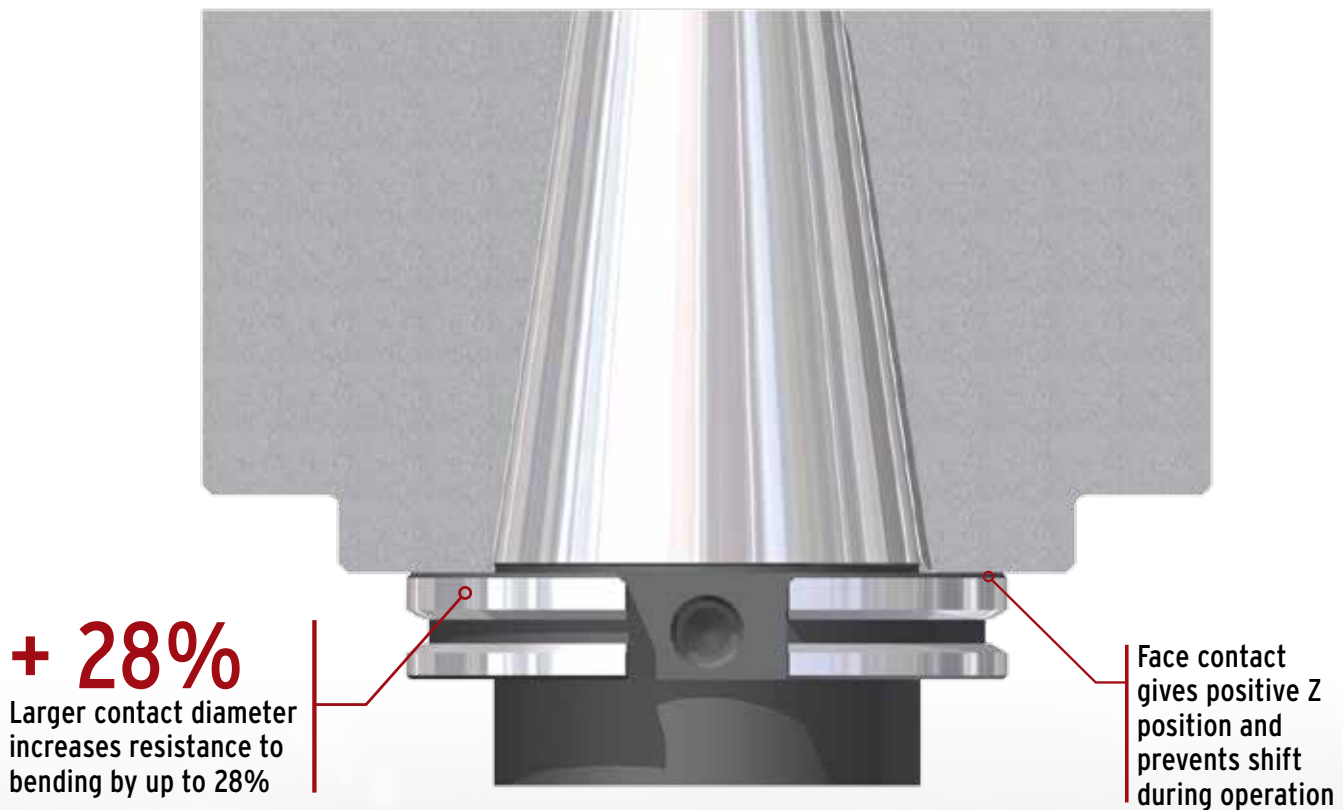


SimulFit Taper Types

Connection is Everything

SimulFit® System—Dual Contact Taper

- › Traditional steep taper connection is taper only.
- › Simultaneous contact of taper and face will improve rigidity of the connection.
- › Compatible with BIG-PLUS® spindle



SimulFit® is available as:

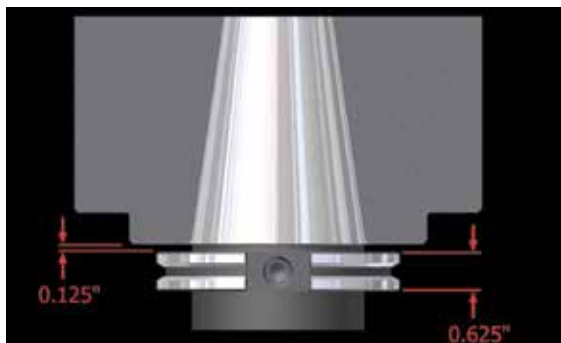
- › Shell Mill Holders
- › End Mill Holders
- › ER Collet Chucks
- › Milling Chucks



SimulFit® :

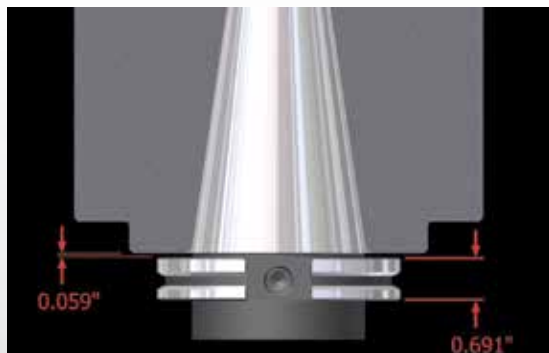
- > Reduce tool deflection
- > Reduce chatter
- > Reduce cycle times

*BIG-PLUS® is a registered trademark of Daishowa Seiki Kabushiki Kaisha and that Daishowa Seiki Kabushiki Kaisha does not endorse or sponsor the products of Parlec.



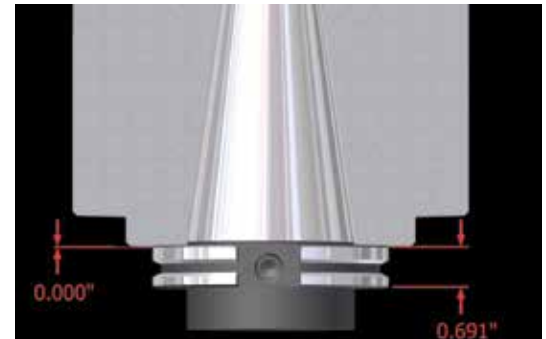
Standard Spindle

- Standard Cat (ANSI B5.50) holder
- Result is traditional taper only contact



Standard Spindle

- Steep taper holder designed to fit a BIG-PLUS® compatible spindle
- Result is traditional taper only contact



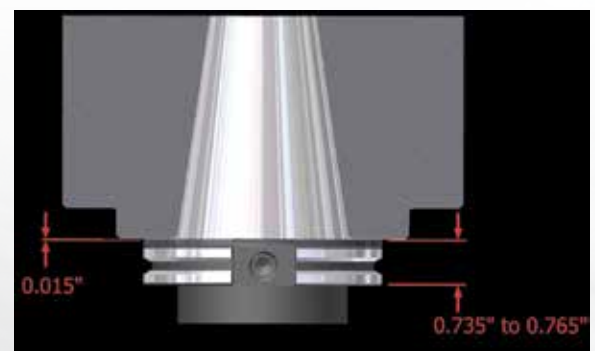
Spindle Compatible to BIG-PLUS®*

- Steep taper holder designed to fit a BIG-PLUS® compatible spindle
- Result is taper and face simultaneous contact only



Spindle Compatible to BIG-PLUS®*

- Standard Cat (ANSI B5.50) holder
- Result is traditional taper only contact

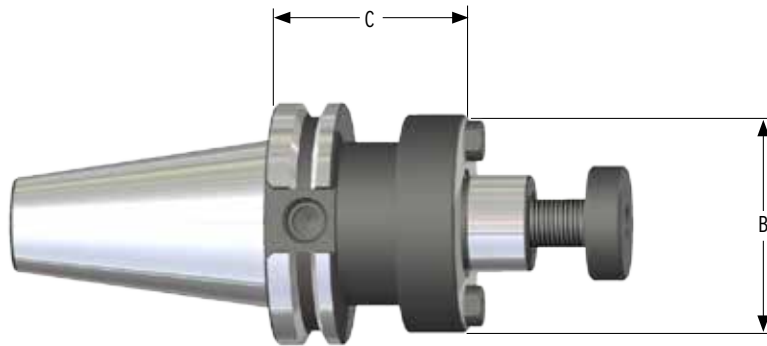


BIG-PLUS®* Spindle with Standard Tooling

- Modified Cat (ANSI B5.50) holder fitted with a custom spacer for use in non-qualified spindle
- Result is taper and face simultaneous contact only



SimulFit® Shell Mill Holders



BT 30 SIMULFIT®

Size	Part Number with SimulFit®	B (Dia.)	C
1"	B30F-10SM177	2.38	1.77
3/4"	B30F-75SM118	1.75	1.18

BT 40 SIMULFIT®

Size	Part Number with SimulFit®	B (Dia.)	C
3/4"	B40F-75SM2	1.75	2.00

CAT 40 SIMULFIT®

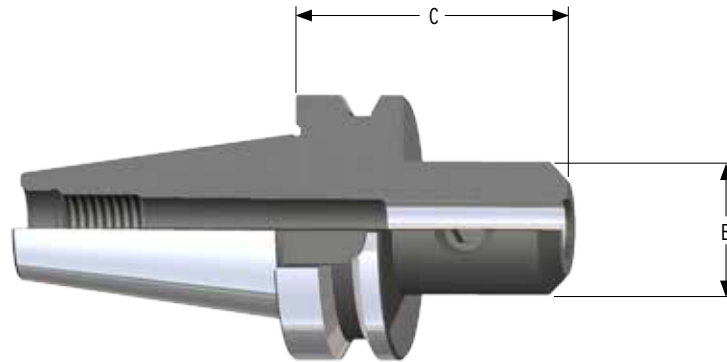
Size	Part Number with SimulFit®	B (Dia.)	C
3/4"	C40F-75SM1	1.75	1.38
	C40F-75SM200		2.00
	C40F-75SM4		4.00
1"	C40F-10SM1	2.25	1.00
	C40F-10SM2		2.00
	C40F-10SM4		4.00
1 1/4"	C40F-12SM1	2.75	1.62
	C40F-12SM2		2.25
1 1/2"	C40F-15SM2	3.75	2.40
	C40F-15SM4		4.00

CAT 50 SIMULFIT®

Size	Part Number with SimulFit®	B (Dia.)	C
3/4"	C50F-75SM1	1.75	1.50
	C50F-75SM3		3.50
	C50F-75SM5		5.50
	C50F-10SM2		2.00
1"	C50F-10SM4	2.25	4.00
	C50F-10SM4		6.00
	C50F-10SM8		8.00
	C50F-12SM3		3.50
1 1/4"	C50F-12SM5	2.75	5.50
	C50F-12SM7		7.00
	C50F-15SM2		2.40
1 1/2"	C50F-15SM4	3.75	4.00
	C50F-15SM6		6.00
	C50F-20SM2		2.40
2"	C50F-20SM4	4.88	4.00
	C50F-25SM2		2.40



SimulFit® End Mill Holders



BT 30 SIMULFIT® TAPER

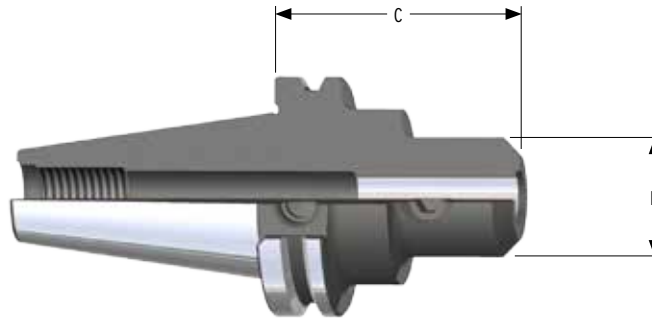
Size	Part Number with SimulFit®	Style	B (Dia.)	C	Socket Depth
1/4"	B30F-25EM238	2	0.81	2.38	3.31
3/8"	B30F-37EM238	2	1.38	2.38	3.31
1/2"	B30F-50EM238	2	1.38	2.38	2.00
5/8"	B30F-62EM250	2	1.44	2.50	2.24
3/4"	B30F-75EM250	2	2.00	2.50	2.25

BT 40 SIMULFIT® TAPER

Size	Part Number with SimulFit®	Style	B (Dia.)	C	Socket Depth
1/2"	B40F-50EM2	2	1.25	2.25	3.00
5/8"	B40F-62EM2	2	1.50	2.25	3.50
3/4"	B40F-75EM3	2	1.75	3.38	2.38
1"	B40F-10EM4	2	2.00	4.00	4.44
1 1/4"	B40F-12EM4	2	2.50	4.00	



SimulFit® End Mill Holders



CAT 40 SIMULFIT®

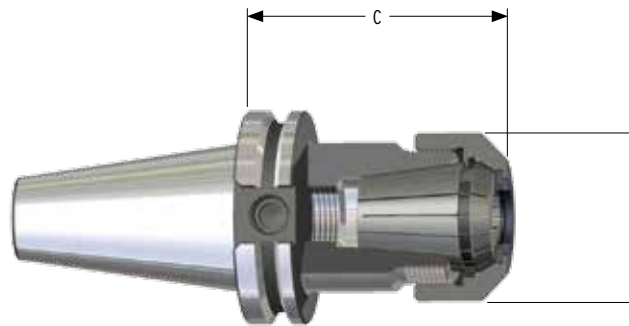
Size	Part Number with SimulFit®	Style	B (Dia.)	C	Socket Depth
1/2"	C40F-50EM1	1	1.75	1.75	3.00
	C40F-50EM2	2	1.25	2.62	3.80
	C40F-50EM4	2		4.62	
5/8"	C40F-62EM2	2	1.50	2.75	3.62
	C40F-62EM3	2		3.00	3.21
	C40F-75EM1	1	1.75	1.75	2.37
3/4"	C40F-75EM300	2		3.00	3.94
	C40F-75EM6	2		6.00	
1"	C40F-10EM1	1 T	2.00	1.75	2.38
	C40F-10EM3	2		3.00	3.00
	C40F-10EM4	2		4.00	4.50
1 1/4"	C40F-12EM2	1 T	2.25	2.00	2.38
	C40F-12EM4	2	2.50	4.00	3.75
	C40F-12EM6	2	2.50	6.00	
1 1/2"	C40F-15EM462	2	2.62	4.62	2.38

CAT 50 SIMULFIT® TAPER

Size	Part Number w/ SimulFit®	Style	B (Dia.)	C	Socket Depth
1/2"	C50F-50EM4	2	1.25	4.62	5.00
	C50F-50EM6	3		6.62	
5/8"	C50F-62EM5	2	1.50	5.75	3.50
	C50F-62EM7	3		7.75	
3/4"	C50F-75EM3	2	1.75	3.75	4.00
	C50F-75EM5	2		5.75	
1"	C50F-10EM4	2	2.00	4.00	4.44
	C50F-10EM6	2		6.00	
	C50F-10EM8	3		8.00	
1 1/4"	C50F-12EM2	2	2.75	2.62	3.50
	C50F-12EM4	2	2.50	4.00	3.35
	C50F-12EM6	2		6.00	
	C50F-12EM8	2		8.00	
1 1/2"	C50F-15EM4	2	2.75	4.00	4.50
	C50F-15EM6	2		6.00	
	C50F-15EM8	2		8.00	
2"	C50F-20EM5	2	3.75	5.62	3.50



SimulFit® ER Collet Chuck with Coolant Nut



BT40 SIMULFIT® BALANCED UP TO 25,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	B40F-16ERC322	1.11	3.22	2.00
	B40F-16ERC522		5.22	2.00
ER32	B40F-32ERC422	1.97	4.22	3.88
	B40F-32ERC622		6.22	

CAT 40 BALANCED UP TO 25,000 RPM

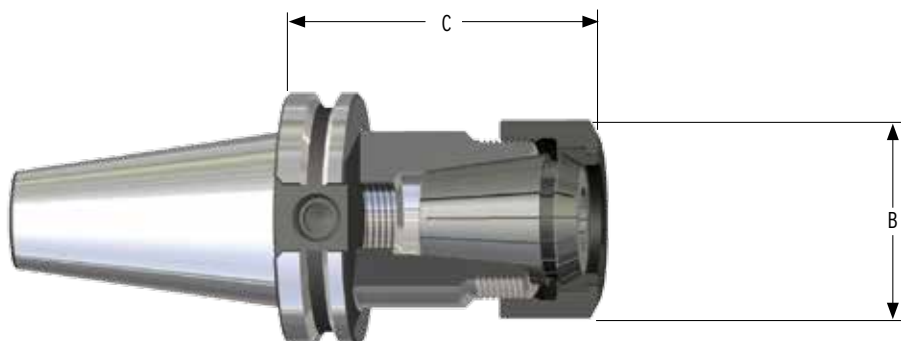
Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C40F-16ERC272	1.11	2.72	2.43
	C40F-16ERC422		4.22	
	C40F-32ERC822		4.22	
ER32	C40F-32ERC322	1.97	3.22	3.88
	C40F-32ERC422		4.22	
	C40F-32ERC622		6.22	

CAT 50 BALANCED UP TO 20,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C50F-16ERC422	1.11	4.22	2.50
	C50F-16ERC622		6.22	
	C50F-16ERC822		8.22	
ER32	C50F-32ERC422	1.97	4.22	3.88
	C50F-32ERC622		6.22	
	C50F-32ERC822		8.22	
ER40	C50F-40ERC422	2.47	4.22	4.10



SimulFit® ER Collet Chuck with Power Nut



BT30 SIMULFIT® BALANCED UP TO 25,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	B30F-16ERP248	1.11	2.48	1.83
ER20	B30F-20ERP248	1.34	2.48	2.48
ER32	B30F-32ERP248	1.97	2.48	3.88

BT40 SIMULFIT® BALANCED UP TO 25,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	B40F-16ERP312	1.11	3.12	2.00
	B40F-16ERP512		5.00	
ER32	B40F-32ERP412	1.97	4.12	3.88
	B40F-32ERP612		6.12	

CAT40 SIMULFIT® BALANCED UP TO 25,000 RPM

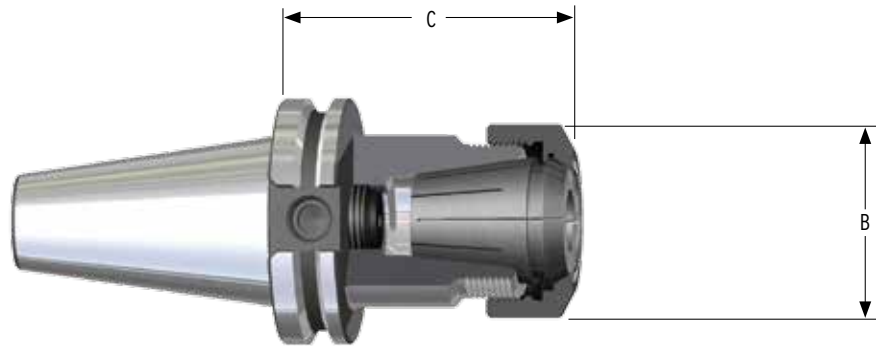
Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C40F-16ERP262	1.11	2.62	2.43
	C40F-16ERP412		4.12	
	C40F-16ERP812		8.12	
ER32	C40F-32ERP312	1.97	3.12	3.88
	C40F-32ERP412		4.12	
	C40F-32ERP612		5.12	

CAT50 SIMULFIT® BALANCED UP TO 20,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C50F-16ERP412	1.11	4.12	2.50
	C50F-16ERP612		6.12	
	C50F-16ERP812		8.12	
ER32	C50F-32ERP412	1.97	4.12	3.88
	C50F-32ERP612		6.12	
	C50F-32ERP812		8.12	
ER40	C50F-40ERP412	2.47	4.12	4.10



SimulFit® ER Collet Chuck with Flush Nut



BT30 SIMULFIT® BALANCED UP TO 25,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	B30F-16ERF236	1.11	2.36	1.83
ER20	B30F-20ERF236	1.34	2.36	2.48
ER32	B30F-32ERF236	1.97	2.36	3.88

BT40 SIMULFIT® BALANCED UP TO 25,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	B40F-16ERF300	1.11	3.00	2.00
	B40F-16ERF500		4.00	3.50
ER32	B40F-32ERF400	1.97	4.00	3.88
	B40F-32ERF600		6.00	

CAT 40 SIMULFIT® BALANCED UP TO 25,000 RPM

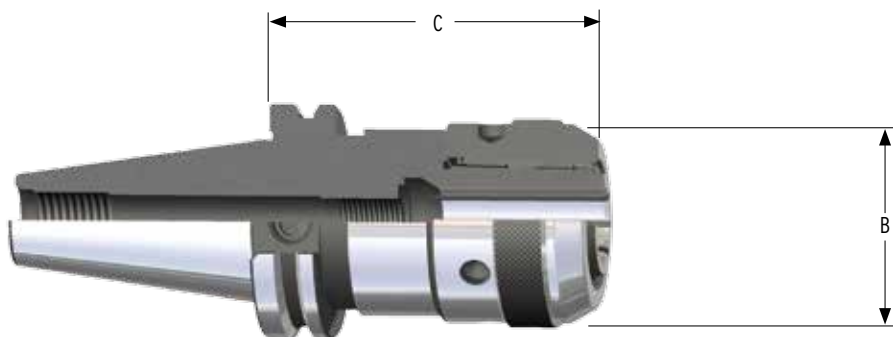
Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C40F-16ERF250	1.11	2.50	2.43
	C40F-16ERF400		4.00	
	C40F-16ERF800		8.00	
	C40F-32ERF300		3.00	
ER32	C40F-32ERF400	1.97	4.00	
	C40F-32ERF600		6.00	

CAT 50 SIMULFIT® BALANCED UP TO 20,000 RPM

Size	Part Number with SimulFit®	B (Dia.)	C	Socket Depth
ER16	C50F-16ERF400	1.11	4.00	2.50
	C50F-16ERF600		6.00	
	C50F-16ERF800		8.00	
ER32	C50F-32ERF400	1.97	4.00	3.88
	C50F-32ERF600		6.00	
	C50F-32ERF800		8.00	
ER40	C50F-40ERF400	2.47	4.00	4.10



SimulFit® Milling Chucks



CAT 40 SIMULFIT®

Size	Part Number with SimulFit®	Coolant Type*	B (Dia.)	C	D	Optional Coolant Back-Up Screw
1 1/4"	C40F-12MC4	Thru	2.75	4.13	2.69	5/8 - 18LH

CAT50 SIMULFIT®

Size	Part Number with SimulFit®	Coolant Type*	B (Dia.)	C	D	Optional Coolant Back-Up Screw
3/4"	C50F-75MC3	Thru	2.19	3.96	2.24	9/16 - 18LH
1 1/4"	C50F-12MC4	Thru	2.75	4.13	2.69	15/16 - 16LH



Notes



Quality | Precision | Innovation



PARLEC

BY ANY MEASURE

Measurably Better

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