



# Collapsible Cores

- **Cost effective.**
- **Smallest available footprint.**
- **More cavities in the same size press.**
- **Standardized sizing.**



[www.collapsiblecore.com](http://www.collapsiblecore.com)

***Collapsible cores are manufactured with standardized sizing, which effectively allows CCI consistency with regard to quoting new and replacement components at a budget friendly rate.***

***Additionally, we understand your economic realities and believe we have created a strong incentive to use our new Collapsible Core as opposed to traditional unscrewing or stripper molds, ultimately improving production schedules translating to a healthier bottom line.***

***The collapsible cores are manufactured in A2 tool steel with D2 tool steel pins but could be manufactured in stainless steel, H13 for alternative applications.***



## Collapsible Core Radius Pin x 100

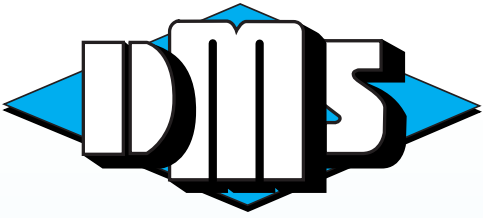
Catalog Number	OD		Length		Pin Dia.		Collapse at Top	
	mm	inch	mm	inch	mm	inch	mm	inch
CC17x100	17	0.669	100	3.937	11.35	0.4468	0.98	0.039
CC18x100	18	0.709	100	3.937	12.00	0.4724	1.06	0.042
CC19x100	19	0.748	100	3.937	12.70	0.5000	1.13	0.044
CC20x100	20	0.787	100	3.937	13.35	0.5256	1.19	0.047
CC21x100	21	0.827	100	3.937	14.00	0.5512	1.24	0.049
CC22x100	22	0.866	100	3.937	14.70	0.5787	1.31	0.052
CC23x100	23	0.906	100	3.937	15.35	0.6043	1.36	0.053
CC24x100	24	0.945	100	3.937	16.00	0.6299	1.42	0.056
CC25x100	25	0.984	100	3.937	16.70	0.6575	1.49	0.059
CC26x100	26	1.024	100	3.937	17.35	0.6831	1.54	0.061
CC27x100	27	1.063	100	3.937	18.00	0.7087	1.59	0.063
CC28x100	28	1.102	100	3.937	18.70	0.7362	1.66	0.066
CC29x100	29	1.142	100	3.937	19.35	0.7618	1.73	0.068
CC30x100	30	1.181	100	3.937	20.00	0.7874	1.77	0.070
CC31x100	31	1.220	100	3.937	20.70	0.8150	1.83	0.072
CC32x100	32	1.260	100	3.937	21.35	0.8405	1.90	0.075
CC33x100	33	1.299	100	3.937	22.00	0.8661	1.96	0.077
CC34x100	34	1.339	100	3.937	22.70	0.8937	2.02	0.079
CC35x100	35	1.378	100	3.937	23.35	0.9193	2.08	0.082
CC36x100	36	1.417	100	3.937	24.00	0.9449	2.14	0.084
CC37x100	37	1.457	100	3.937	24.70	0.9724	2.19	0.086
CC38x100	38	1.496	100	3.937	25.35	0.9980	2.25	0.089
CC39x100	39	1.535	100	3.937	26.00	1.0236	2.30	0.091
CC40x100	40	1.575	100	3.937	26.70	1.0512	2.35	0.092
CC41x100	41	1.614	100	3.937	27.35	1.0768	2.44	0.096
CC42x100	42	1.654	100	3.937	28.00	1.1024	2.47	0.097
CC43x100	43	1.693	100	3.937	28.70	1.1299	2.54	0.100
CC44x100	44	1.732	100	3.937	29.35	1.1555	2.61	0.103
CC45x100	45	1.772	100	3.937	30.00	1.1811	2.67	0.105
CC46x100	46	1.811	100	3.937	30.70	1.2087	2.71	0.107
CC47x100	47	1.850	100	3.937	31.35	1.2342	2.79	0.110
CC48x100	48	1.890	100	3.937	32.00	1.2598	2.84	0.112
CC49x100	49	1.929	100	3.937	32.70	1.2874	2.91	0.115
CC50x100	50	1.969	100	3.937	33.35	1.3130	2.96	0.117
CC51x100	51	2.008	100	3.937	34.00	1.3386	3.00	0.118
CC52x100	52	2.047	100	3.937	34.70	1.3661	3.07	0.121
CC53x100	53	2.087	100	3.937	35.35	1.3917	3.14	0.124
CC54x100	54	2.126	100	3.937	36.00	1.4173	3.21	0.126
CC55x100	55	2.165	100	3.937	36.70	1.4449	3.28	0.129
CC56x100	56	2.205	100	3.937	37.35	1.4705	3.33	0.131
CC57x100	57	2.244	100	3.937	38.00	1.4961	3.38	0.133
CC58x100	58	2.283	100	3.937	38.70	1.5236	3.42	0.135
CC59x100	59	2.323	100	3.937	39.35	1.5492	3.47	0.137
CC60x100	60	2.362	100	3.937	40.00	1.5748	3.55	0.140
CC61x100	61	2.402	100	3.937	40.70	1.6024	3.62	0.143
CC62x100	62	2.441	100	3.937	41.35	1.6279	3.67	0.144
CC63x100	63	2.480	100	3.937	42.00	1.6535	3.74	0.147
CC64x100	64	2.520	100	3.937	42.70	1.6811	3.79	0.149
CC65x100	65	2.559	100	3.937	43.35	1.7067	3.84	0.151
CC66x100	66	2.598	100	3.937	44.00	1.7323	3.89	0.153
CC67x100	67	2.638	100	3.937	44.70	1.7598	3.96	0.156
CC68x100	68	2.677	100	3.937	45.35	1.7854	4.01	0.158
CC69x100	69	2.717	100	3.937	46.00	1.8110	4.09	0.161
CC70x100	70	2.756	100	3.937	46.70	1.8386	4.13	0.163

## Collapsible Core Radius Pin x 125

Catalog Number	OD		Length		Pin Dia.		Collapse at Top	
	mm	inch	mm	inch	mm	inch	mm	inch
CC18x125	18	0.709	125	4.92125	12.00	0.4724	1.06	0.042
CC19x125	19	0.748	125	4.92125	12.70	0.5000	1.13	0.044
CC20x125	20	0.787	125	4.92125	13.35	0.5256	1.19	0.047
CC21x125	21	0.827	125	4.92125	14.00	0.5512	1.24	0.049
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CC23x125	23	0.906	125	4.92125	15.35	0.6043	1.36	0.053
CC24x125	24	0.945	125	4.92125	16.00	0.6299	1.42	0.056
CC25x125	25	0.984	125	4.92125	16.70	0.6575	1.49	0.059
CC26x125	26	1.024	125	4.92125	17.35	0.6831	1.54	0.061
CC27x125	27	1.063	125	4.92125	18.00	0.7087	1.59	0.063
CC28x125	28	1.102	125	4.92125	18.70	0.7362	1.66	0.066
CC29x125	29	1.142	125	4.92125	19.35	0.7618	1.73	0.068
CC30x125	30	1.181	125	4.92125	20.00	0.7874	1.77	0.070
CC31x125	31	1.220	125	4.92125	20.70	0.8150	1.83	0.072
CC32x125	32	1.260	125	4.92125	21.35	0.8405	1.90	0.075
CC33x125	33	1.299	125	4.92125	22.00	0.8661	1.96	0.077
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CC39x125	39	1.535	125	4.92125	26.00	1.0236	2.30	0.091
CC40x125	40	1.575	125	4.92125	26.70	1.0512	2.35	0.092
CC41x125	41	1.614	125	4.92125	27.35	1.0768	2.44	0.096
CC42x125	42	1.654	125	4.92125	28.00	1.1024	2.47	0.097
CC43x125	43	1.693	125	4.92125	28.70	1.1299	2.54	0.100
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CC47x125	47	1.850	125	4.92125	31.35	1.2342	2.79	0.110
CC48x125	48	1.890	125	4.92125	32.00	1.2598	2.84	0.112
CC49x125	49	1.929	125	4.92125	32.70	1.2874	2.91	0.115
CC50x125	50	1.969	125	4.92125	33.35	1.3130	2.96	0.117
CC51x125	51	2.008	125	4.92125	34.00	1.3386	3.00	0.118
CC52x125	52	2.047	125	4.92125	34.70	1.3661	3.07	0.121
CC53x125	53	2.087	125	4.92125	35.35	1.3917	3.14	0.124
CC54x125	54	2.126	125	4.92125	36.00	1.4173	3.21	0.126
CC55x125	55	2.165	125	4.92125	36.70	1.4449	3.28	0.129
CC56x125	56	2.205	125	4.92125	37.35	1.4705	3.33	0.131
CC57x125	57	2.244	125	4.92125	38.00	1.4961	3.38	0.133
CC58x125	58	2.283	125	4.92125	38.70	1.5236	3.42	0.135
CC59x125	59	2.323	125	4.92125	39.35	1.5492	3.47	0.137
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CC63x125	63	2.480	125	4.92125	42.00	1.6535	3.74	0.147
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CC65x125	65	2.559	125	4.92125	43.35	1.7067	3.84	0.151
CC66x125	66	2.598	125	4.92125	44.00	1.7323	3.89	0.153
CC67x125	67	2.638	125	4.92125	44.70	1.7598	3.96	0.156
CC68x125	68	2.677	125	4.92125	45.35	1.7854	4.01	0.158
CC69x125	69	2.717	125	4.92125	46.00	1.8110	4.09	0.161
CC70x125	70	2.756	125	4.92125	46.70	1.8386	4.13	0.163

## Collapsible Core Flush Pin x 125

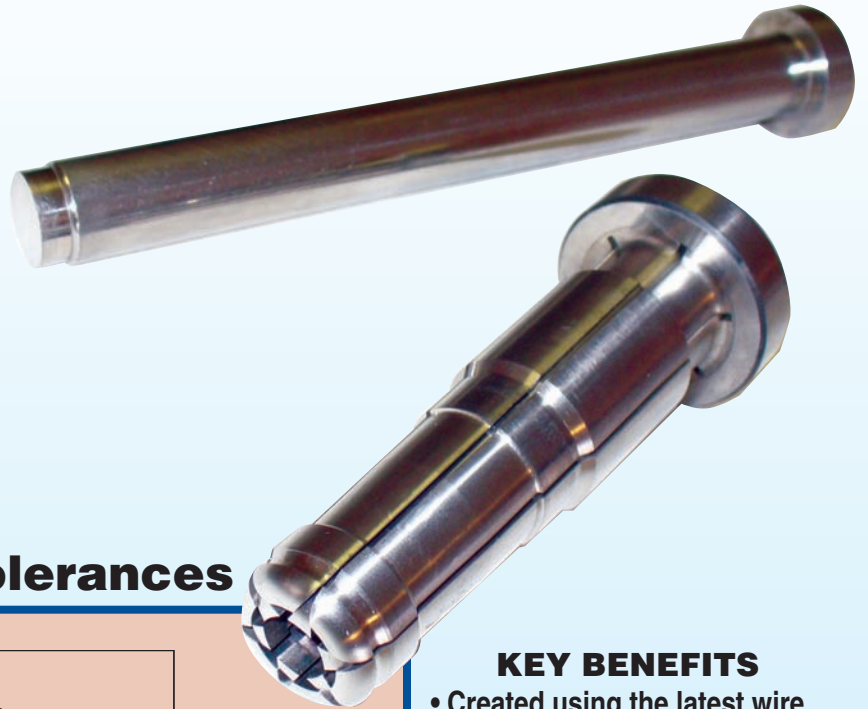
Catalog Number	OD		Length		Pin Dia.		Collapse at Top	
	mm	inch	mm	inch	mm	inch	mm	inch
CCF24x125	24	0.945	125	4.92125	16.00	0.6299	1.42	0.056
CCF25x125	25	0.984	125	4.92125	16.70	0.6575	1.49	0.059
CCF26x125	26	1.024	125	4.92125	17.35	0.6831	1.54	0.061
CCF27x125	27	1.063	125	4.92125	18.00	0.7087	1.59	0.063
CCF28x125	28	1.102	125	4.92125	18.70	0.7362	1.66	0.066
CCF29x125	29	1.142	125	4.92125	19.35	0.7618	1.73	0.068
CCF30x125	30	1.181	125	4.92125	20.00	0.7874	1.77	0.070
CCF31x125	31	1.220	125	4.92125	20.70	0.8150	1.83	0.072
CCF32x125	32	1.260	125	4.92125	21.35	0.8405	1.90	0.075
CCF33x125	33	1.299	125	4.92125	22.00	0.8661	1.96	0.077
CCF34x125	34	1.339	125	4.92125	22.70	0.8937	2.02	0.079
CCF35x125	35	1.378	125	4.92125	23.35	0.9193	2.08	0.082
CCF36x125	36	1.417	125	4.92125	24.00	0.9449	2.14	0.084
CCF37x125	37	1.457	125	4.92125	24.70	0.9724	2.19	0.086
CCF38x125	38	1.496	125	4.92125	25.35	0.9980	2.25	0.089
CCF39x125	39	1.535	125	4.92125	26.00	1.0236	2.30	0.091
CCF40x125	40	1.575	125	4.92125	26.70	1.0512	2.35	0.092
CCF41x125	41	1.614	125	4.92125	27.35	1.0768	2.44	0.096
CC								



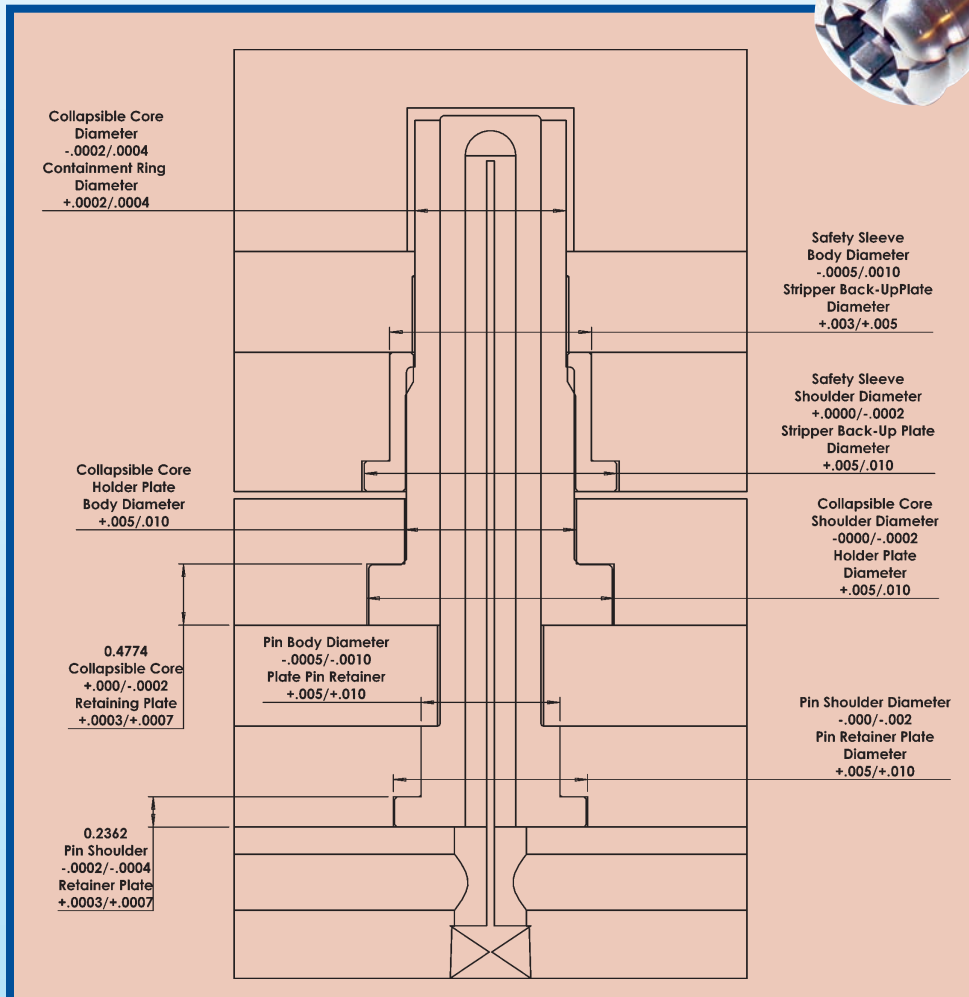
# Collapsible Cores

[www.collapsiblecore.com](http://www.collapsiblecore.com)  
for examples of:

- Sample calculations.
- Molding considerations.
- Downloads of solid models.
- Technical design information.



## Mold Design Tolerances



### KEY BENEFITS

- Created using the latest wire technologies to hold tighter tolerances, giving longer life with fewer production slowdowns.
- Straight pin allows more contact surface between the center pin and the collapsible core, improving thermal transfer and decreasing cycle time.
- Flush pin does not need to protrude past the sleeves, allowing product design to be maintained and reducing the volume of plastic per part.
- Flexibility of product design – thin wall parts with shut offs, peel away strips, interrupted threads, safety break away rings or O-ring grooves – can be designed on the inside of the part.

FAX: 800-845-3807

[www.dmscomponents.com](http://www.dmscomponents.com)

PHONE: 800-265-4885

WINDSOR: PHONE 519-737-6743 FAX 519-737-6744