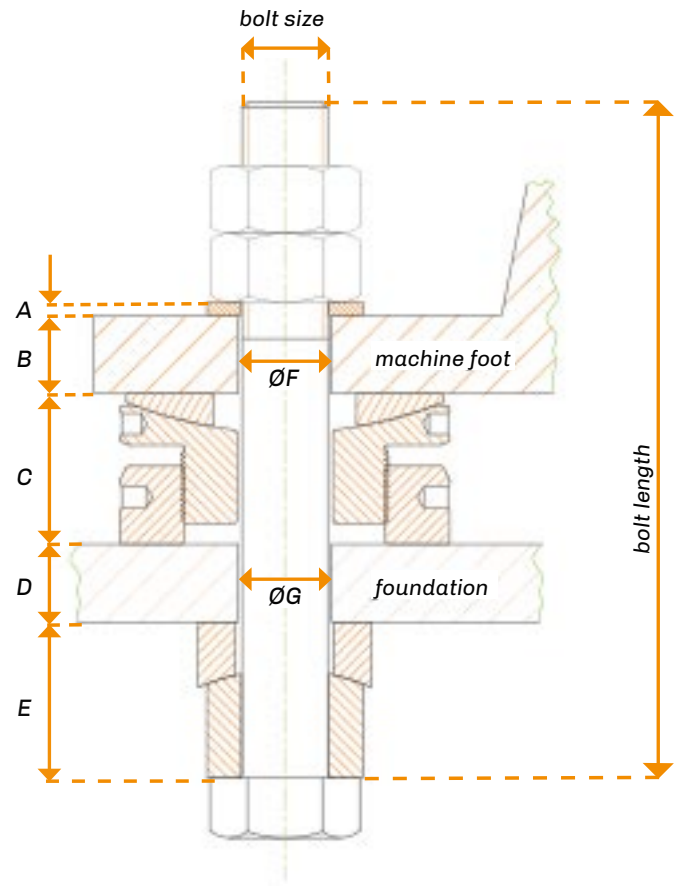
BASICLINE GENERAL DIMENSIONS

RotaChock® BasicLine size	Diameters ø			Bolt size		Heights					Adjustment hole	Angular Offset	Pitch	Rated load	Weight
	Outside [2]	Thread [4]	Inside [5]	Standard	Optional	Min.	Design [3]	Max.	Reduced min. [1]	Optional max. [6]					
	mm	mm	mm	M	M	mm	mm	mm	mm	mm	mm	degrees	mm	kN	kg
RC2	51	30	17	10/16	18	30	34	38	23	51	6x Ø4,2	4	1.6	100	0.4
RC3	76	45	21	16/20	24	35	42	48	23	76	6x Ø6,2	4	1.6	150	1.1
RC4	102	65	28	20/27	30	40	46	53	28	102	6x Ø6,2	4	2.1	200	2.2
RC4.5	114	73	31	24/30	33	45	53	60	31	114	6x Ø8,2	4	2.1	300	3.1
RC5	127	80	37	30/36	39	50	59	69	32	127	6x Ø8,2	4	2.1	400	4.3
RC6	152	95	41	36/39	45	55	65	74	37	152	6x Ø8,2	4	2.1	600	6.8
RC7	178	120	46	42/45	48	60	68	76	45	178	6x Ø8,2	4	3.2	900	10.1
RC8	203	135	54	48/52	56	70	79	91	50	203	6x Ø8,2	4	3.2	1200	15.3
RC9	229	160	66	56/64	68	75	84	93	58	229	6x Ø10,2	4	3.2	1600	20.7
RC10	254	180	74	64/72	76	80	89	98	63	254	6x Ø10,2	4	4.2	2000	27.3

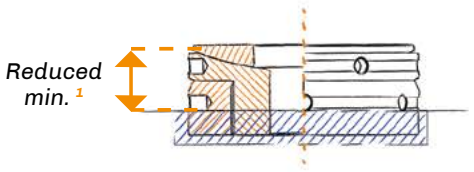
TYPICAL ROTACHOCK BASICLINE SETUP



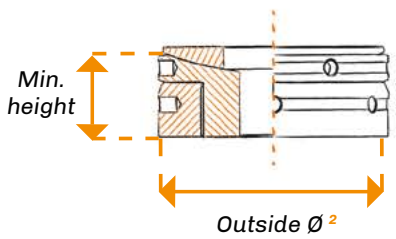
MATERIALS

›	**RCx-C**	Carbon Steel	(DIN 1.0507 - S355)	**A**nti-**C**orrosion **E**nhanced	the standard go to design
›	**RCx-SS**	Stainless Steel	(DIN 1.4404 - 316L)		for maximum protection against rust
›	**RCx-AS**	Alloy Steel	(DIN 1.7225 - 42CrMo4)	**A**nti-**C**orrosion **E**nhanced	for handling extreme machinery forces

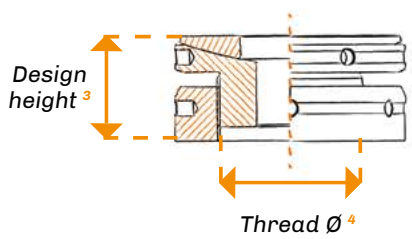
If there might be a requirement for other materials or treatments for specific applications, these can be supplied upon request.



1 When you need to reduce the height of RotaChock, install the chock into a lathe's chuck. Then, remove material from the bottom until you reach the required height. Note: You will lose one mm of adjustment range for every mm you take off. At the minimum reduced height, only one mm of adjustment remains.

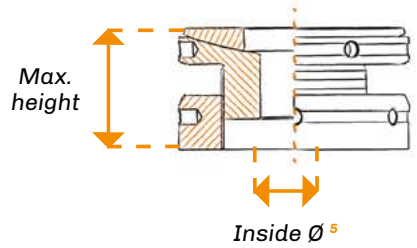


2 The foundation should always cover this outside diameter.

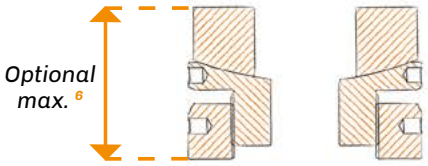


3 We recommend putting this height in your design so you can go evenly up or down during alignment.

4 The machine foot should always cover this buttress thread diameter.



5 The maximum enlargement of the ID is the optional bolt size +1 mm. For example, RC2-BasicLine has an inside diameter of Ø17 mm.; and the optional bolt size is M18. Adding one mm enlarges the ID to a maximum of Ø19 mm.



6 The height of the chock should never exceed the diameter. For example, the maximum height of the RC4-BasicLine, which is 102 mm in diameter, should not exceed 102 mm. Maximum height = 53 mm., which means that the maximum additional height you can add is 49 mm.

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BASICLINE GENERAL DIMENSIONS

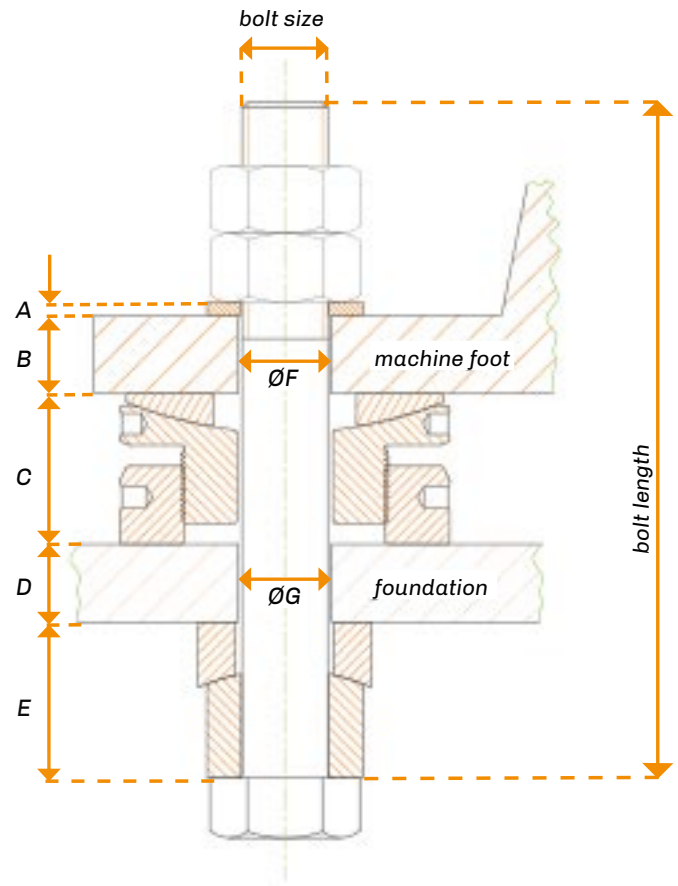
RotaChock® BasicLine size	Diameters ø			Bolt size		Heights					Adjustment hole	Angular Offset	Pitch	Rated load	Weight
	Outside [2]	Thread [4]	Inside [5]	Standard	Optional	Min.	Design [3]	Max.	Reduced min. [1]	Optional max. [6]					
	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	inch	degrees	TPI	kip	lbs
RC2	2	1,18	0,67	3/8 to 5/8	3/4	1,18	1,34	1,50	0,91	2	6x Ø0,17	4	16	22	0,88
RC3	3	1,77	0,83	5/8 to 3/4	1	1,38	1,57	1,77	0,91	3	6x Ø0,24	4	16	34	2,43
RC4	4	2,56	1,10	3/4 to 1	1-1/4	1,57	1,85	2,09	1,10	4	6x Ø0,24	4	12	45	4,85
RC4.5	4.5	2,87	1,22	7/8 to 1-1/8	1-3/8	1,77	2,09	2,36	1,22	4.5	6x Ø0,32	4	12	67	6,83
RC5	5	3,15	1,46	1 to 1-3/8	1-3/4	1,97	2,28	2,64	1,26	5	6x Ø0,32	4	12	90	9,48
RC6	6	3,74	1,61	1-1/8 to 1-1/2	1-3/4	2,17	2,56	2,91	1,46	6	6x Ø0,32	4	12	135	14,99
RC7	7	4,72	1,81	1-3/8 to 1-3/4	2	2,36	2,68	2,99	1,77	7	6x Ø0,32	4	8	202	22,27
RC8	8	5,31	2,13	1-3/4 to 2	2-1/4	2,76	3,19	3,58	1,97	8	6x Ø0,32	4	8	270	33,73
RC9	9	6,30	2,60	2 to 2-1/4	2-3/4	2,95	3,31	3,66	2,28	9	6x Ø0,40	4	8	360	45,64
RC10	10	7,09	2,91	2-1/2 to 2-3/4	3	3,15	3,50	3,86	2,48	10	6x Ø0,40	4	6	450	60,19

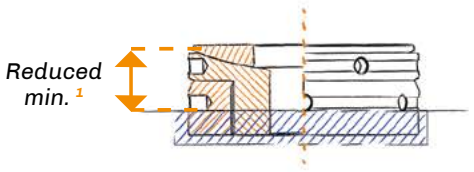
MATERIALS

›	**RCx-C**	Carbon Steel	(DIN 1.0507 - S355)	**A**nti-**C**orrosion **E**nhanced	the standard go to design
›	**RCx-SS**	Stainless Steel	(DIN 1.4404 - 316L)		for maximum protection against rust
›	**RCx-AS**	Alloy Steel	(DIN 1.7225 - 42CrMo4)	**A**nti-**C**orrosion **E**nhanced	for handling extreme machinery forces

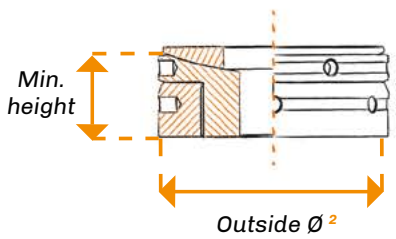
If there might be a requirement for other materials or treatments for specific applications, these can be supplied upon request.

TYPICAL ROTACHOCK BASICLINE SETUP

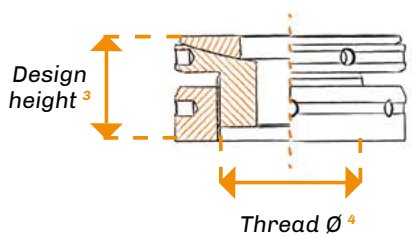




1 When you need to reduce the height of RotaChock, install the chock into a lathe's chuck. Then, remove material from the bottom until you reach the required height. Note: You will lose 0,039 inch of adjustment range for every 0,039 inch you take off. At the minimum reduced height, only one 0,039 inch of adjustment remains.

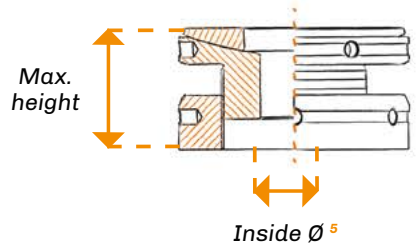


2 The foundation should always cover this outside diameter.

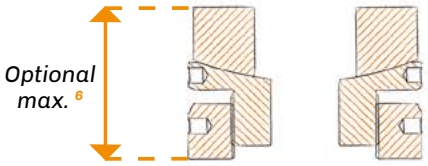


3 We recommend putting this height in your design so you can go evenly up or down during alignment.

4 The machine foot should always cover this buttress thread diameter.



5 The maximum enlargement of the ID is the optional bolt size +0,039 inch. For example, RC2-BasicLine has an inside diameter of Ø0,67 inch.; and the optional bolt size is 3/4. Adding one mm enlarges the ID to a maximum of Ø0,75 inch.



6 The height of the chock should never exceed the diameter. For example, the maximum height of the RC4-BasicLine, which is 4 inch in diameter, should not exceed 4 inch. Maximum height = 2,09 inch., which means that the maximum additional height you can add is 1,93 inch.

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