

mechanical chucks

Made in Italy



mechanical chucks

A simple design creates reliability and durability

Designed for shaftless applications, for the unwinding and rewinding of rolls of any size and material, Renova's mechanical core chucks deliver the most reliable web tension with the least maintenance.

With robust parts, simple movements and best-in-industry jaw expansion, Renova chucks will out-last and out-perform in every production environment.

All models are **100% customizable** and they easily fit any application and need.

Send us your application requirements and we will work with you on bespoke projects to ensure that your needs are met.



All models are available with central bore for the centering of the reel with photoelectric sensor.

All Renova's products are managed by TUV ISO 9001



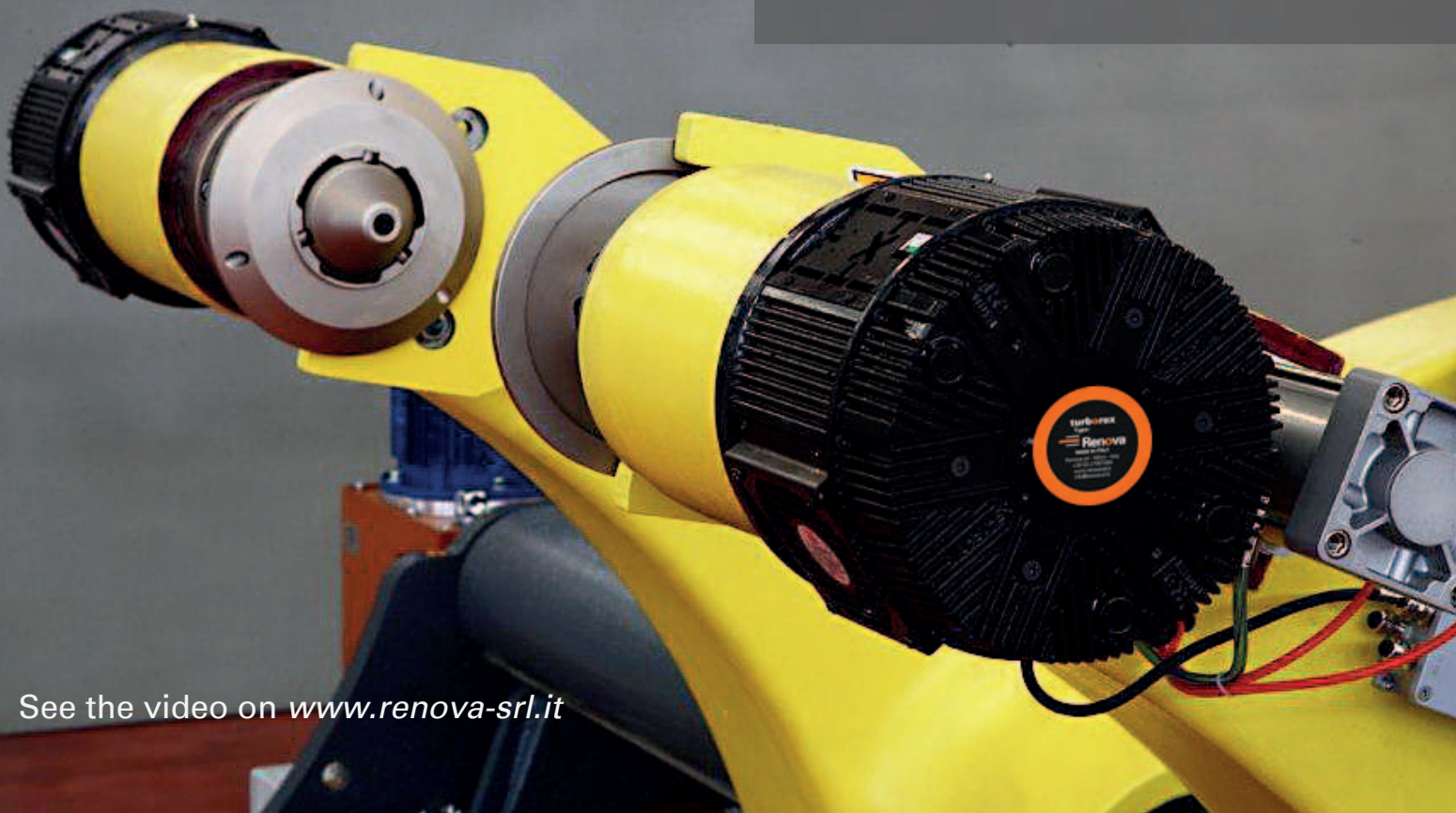
Expanding core chucks

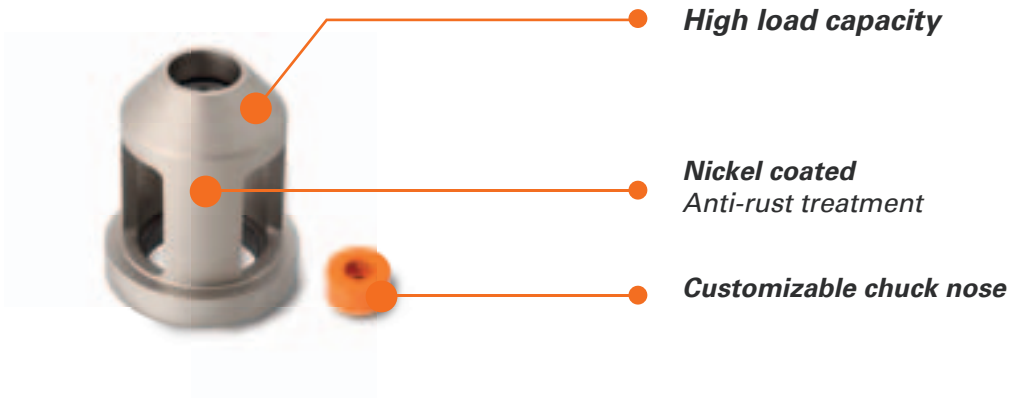
The expanding chucks are torque activated chucks that use the movement of the reel to automatically block and center the reel core.

The cam at the centre of the spindle rotates and pushes the expansion elements (sectors) toward the reel-core ensuring high performance even in dust-filled environments.

100% CUSTOMIZABLE

See the video on www.renova-srl.it





High load capacity

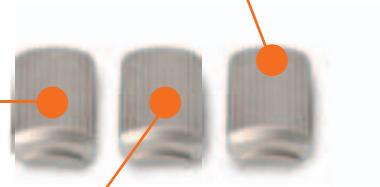
Nickel coated
Anti-rust treatment

Customizable chuck nose

Eliminate jaw replacement

Sturdy jaws with the thickest tabs in the industry
(hardened steel and nickel coated)

Huge contact area



Grips used, soft and oval cores

Jaws come out more than 13mm (1/2")

No rollers, no pins

large central cam keeps jaws opening smoothly through dust and other debris

Easily upgrade any roll stand

Chuck base forged from a single piece

No bolts or joints that can fail under high loads
(case hardened steel and nickel coated)



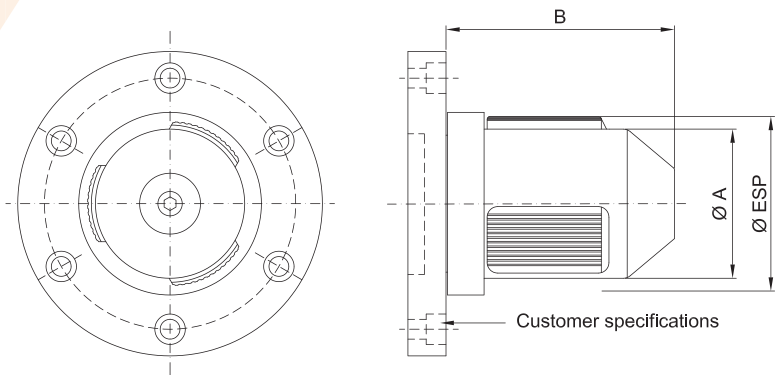
MAINTENANCE FREE

chucks can be cleaned directly on rollstand

CK-S

Single diameter core chuck

Monodiametral chuck ideal for single core diameters.

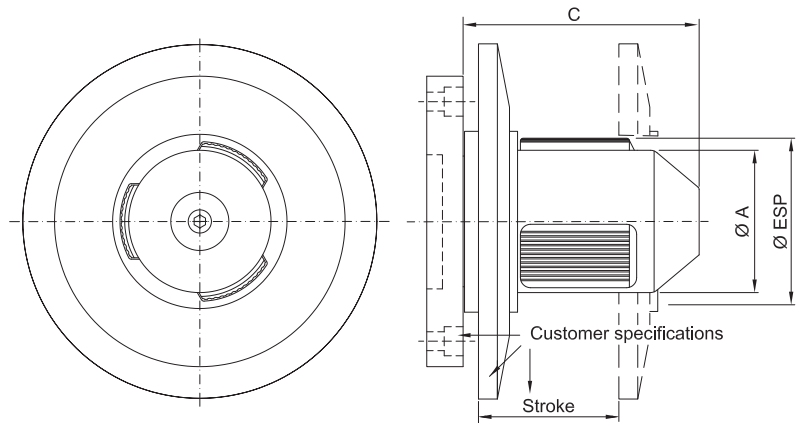


CHUCK MODEL	A mm	B mm	EXPANSION mm	MAX WEIGHT N	TWISTING MOM Nm
70	68	150	69÷79	18.000	1.150
3"	74,5		75,5÷85,5		
100	98		99÷109		
4"	100		101÷111	45.000	2.500
120	118		119÷129		
5"	125		126÷136		
150	148		149÷159	110.000	5.000
6"	150		151÷161		
200	198		199÷209		
8"	201		202÷212		
250	248		249÷259		
10"	252		253÷263		
300	298	299÷309	303÷313		
12"	302				

CK-SF

Core chuck with flange

Ideal for roll stands with an existing core ejector system, the flange allows the easy core discharge.



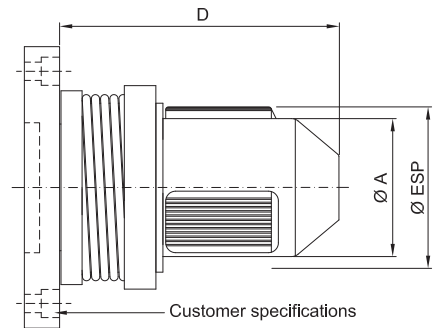
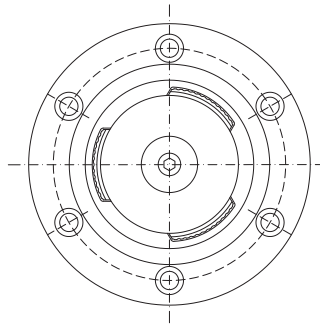
CHUCK MODEL	A mm	C mm	EXPANSION mm	MAX WEIGHT N	TWISTING MOM Nm
70	68	195	69÷79	18.000	1.150
3"	74,5		75,5÷85,5		
100	98		99÷109		
4"	100		101÷111	45.000	2.500
120	118		119÷129		
5"	125		126÷136		
150	148		149÷159	110.000	5.000
6"	150		151÷161		
200	198		199÷209		
8"	201		202÷212		
250	248		249÷259		
10"	252		253÷263		
300	298	299÷309	303÷313		
12"	302				

CK-SFM

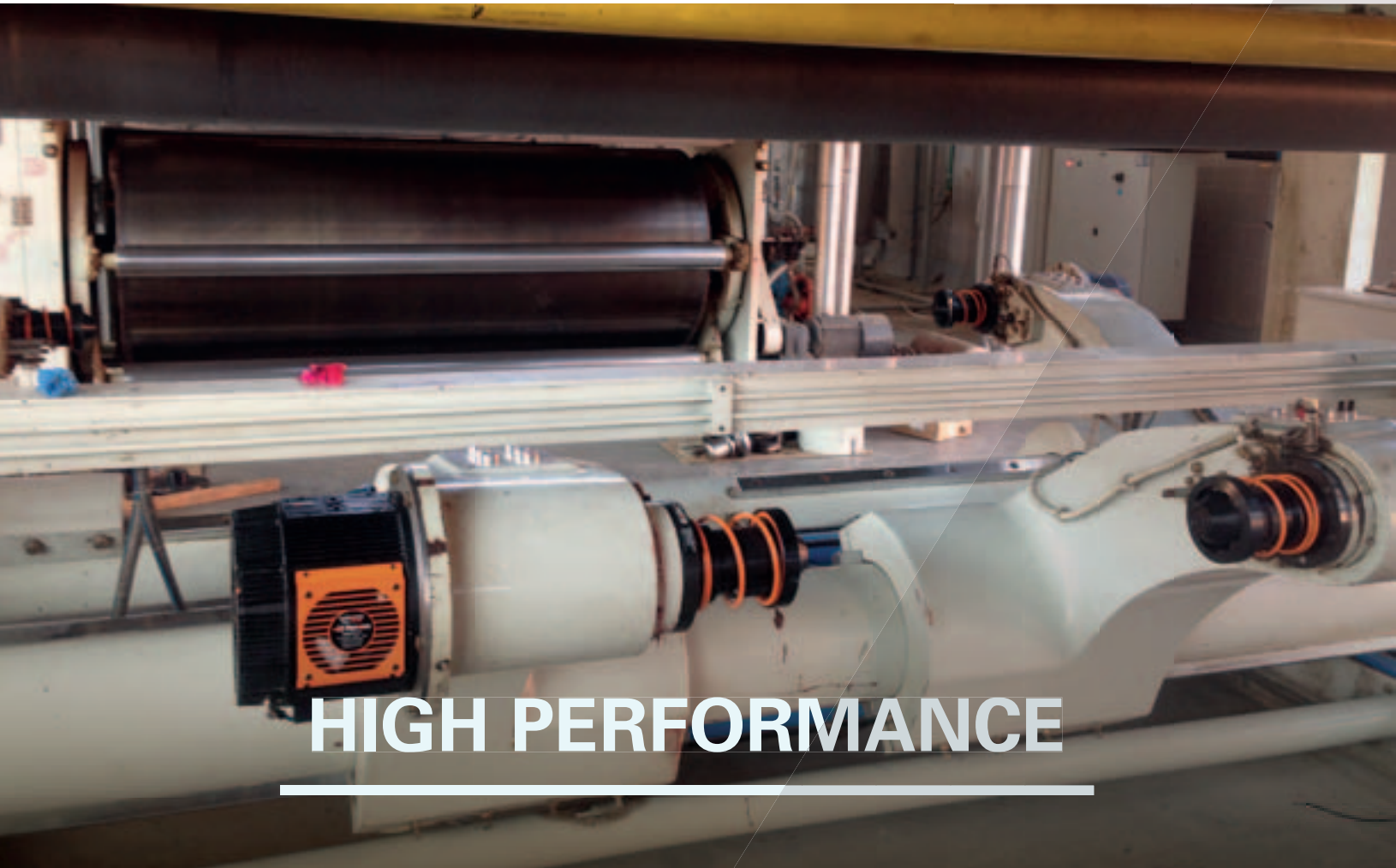
Core chuck with flange and spring

For the automatic core discharge through a calibrated spring that pushes off the core as the roll stand opens.

CKSFM



CHUCK MODEL	A mm	D mm	EXPANSION mm	MAX WEIGHT N	TWISTING MOM Nm
70	68	199	69÷79	18.000	1.150
3"	74,5		75,5÷85,5		
100	98		99÷109		
4"	100		101÷111	45.000	2.500
120	118		119÷129		
5"	125		126÷136		
150	148		149÷159	110.000	5.000
6"	150		151÷161		
200	198		199÷209		
8"	201		202÷212		
250	248		249÷259		
10"	252		253÷263		
300	298	299÷309			
12"	302	303÷313			

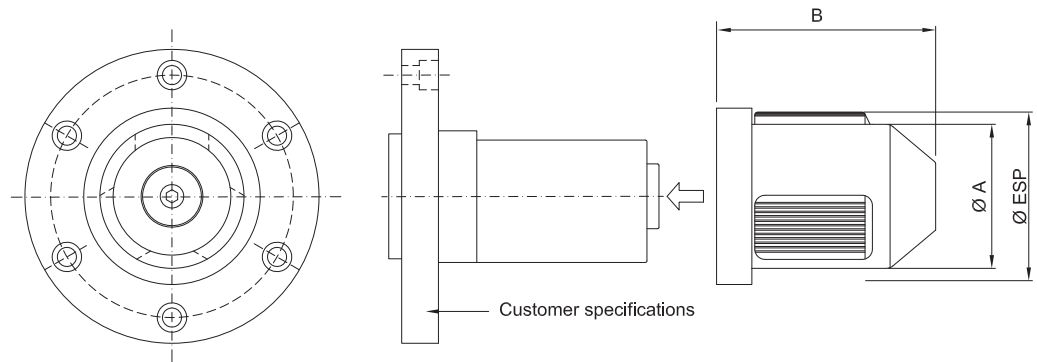


HIGH PERFORMANCE

CK-SM

Modular core chuck

Quick-change system of the cage allows to run any core size without changing the cam unit. CK-SM chuck is also available with ejection flange upon request.

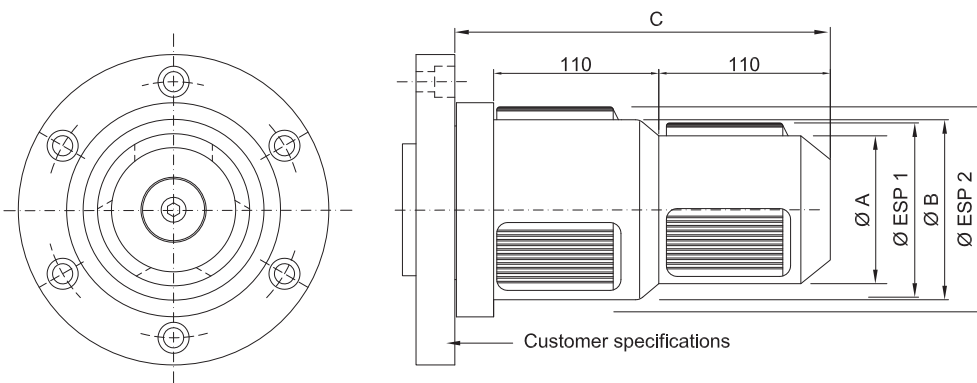


CHUCK MODEL	A mm	B mm	EXPANSION mm	MAX WEIGHT N	TWISTING MOM Nm
70	69	149	69÷79	18.000	1.150
3"	74,5		75,5÷85,5		
100	99		99÷109		
4"	100		101÷110		
120	119		119÷129		
5"	127		126÷137		
150	149		149÷159		
6"	151		151÷161		
200	199		199÷209		
8"	202		202÷212		
250	249		249÷259		
10"	253		253÷263		
300	299	299÷309			
12"	303	303÷313			
100	99	149	99÷109	45.000	2.500
4"	100		101÷110		
120	119		119÷129		
5"	127		126÷137		
150	149		149÷159		
6"	151		151÷161		
200	199		199÷209		
8"	202		202÷212		
250	249		249÷259		
10"	253		253÷263		
300	299		299÷309		
12"	303		303÷313		
150	149	149	149÷159	110.000	5.000
6"	151		151÷161		
200	199		199÷209		
8"	202		202÷212		
250	249		249÷259		
10"	253		253÷263		
300	299		299÷309		
12"	303		303÷313		

CK-SDD

Double diameter core chuck

Step chuck that allows multiple core sizes without the downtime for exchanging chucks. CK-SDD chuck is also available with ejection flange or in an SM version upon request.



CHUCK MODEL	A mm	B mm	C mm	EXPANSION A mm	EXPANSION B mm	MAX WEIGHT A N	MAX WEIGHT B N	TWISTING MOM A Nm	TWISTING MOM B Nm
70-100	68	98	250	69÷79	99÷109	18.000	45.000	1.150	2.500
70-4"	68	100			101÷111		45.000		2.500
70-120	68	118			119÷129		45.000		2.500
3"-100	74,5	98		75,5÷85,5	99÷109	45.000	2.500		
3"-4"	74,5	100			101÷111	45.000	2.500		
3"-150	74,5	148			149÷159	110.000	5.000		
3"-6"	74,5	150		101÷111	151÷161	110.000	5.000		
4"-5"	100	125			126÷136	45.000	2.500		
4"-6"	100	150			151÷161	110.000	5.000		
150-300	148	298		149÷159	299÷309	110.000	5.000		
150-12"	148	302			303÷313	110.000	5.000		
6-12"	150	302			151÷161	303÷313	110.000	5.000	



HIGH QUALITY

Pneumo-mechanical core chucks

The pneumo-mechanical chuck is ideal when the core must be locked in the absence of any twisting moment in order to transmit high torque values and/or with high working speeds.

Through the air pressure, the expansion units expand and safely lock the reel core in place.



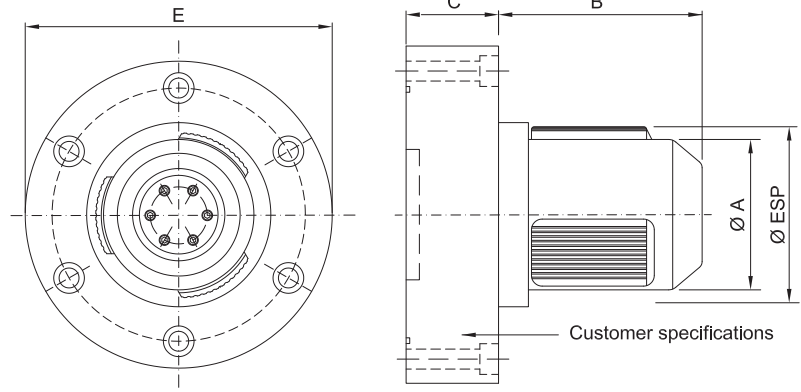
100% CUSTOMIZABLE

See the video on www.renova-srl.it

CK-PM

Single Diameter core chuck

pneumo-mechanical chuck available for single core diameters.



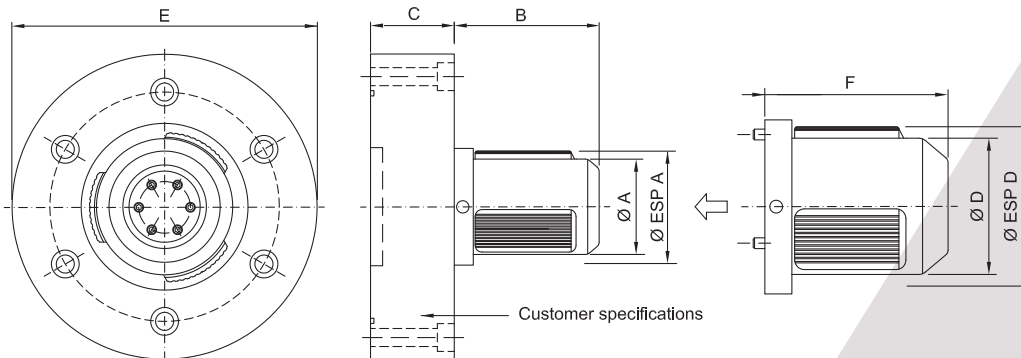
CHUCK MODEL	A mm	B mm	C mm	E mm	EXPANSION mm	MAX WEIGHT N	TWISTING MOM Nm
70	68	147	102	197	69÷77	7.000	800
3"	74				74,5÷82,5		
100	98	157	106	248	98,5÷108,5	18.000	3.200
4"	100				100,5÷110,5		
150	148	147	110	345	148,5÷158,5	35.000	9.500
6"	150				150,5÷158,5		

**Other diameters available on request*

CK-PM/SM

Modular core chuck

Pneumo-mechanical chuck with quick-change system of the cage allows to run any core size without changing the cam unit.

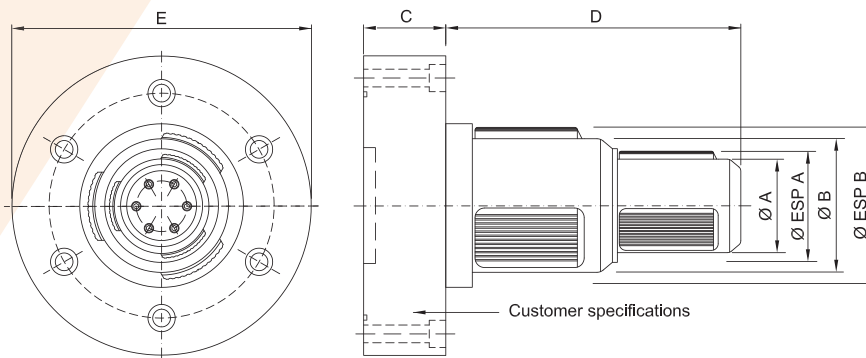


CHUCK MODEL	A mm	B mm	C mm	D mm	E mm	F mm	EXPANSION A mm	EXPANSION D mm	MAX WEIGHT N	TWISTING MOM Nm
3"-6"	74	147	102	148	197	115	74,5÷82,5	148,5÷157,5	7.000	800
4"-8"	98	157	106	198	248	125	98,5÷108,5	198,5÷207,5	18.000	3.200
4"-10"	98	157	106	248	248	125	98,5÷108,5	248,5÷257,5	18.000	3.200
6"-12"	150	147	110	302	345	125	150,5÷158,5	302÷311	35.000	9.500

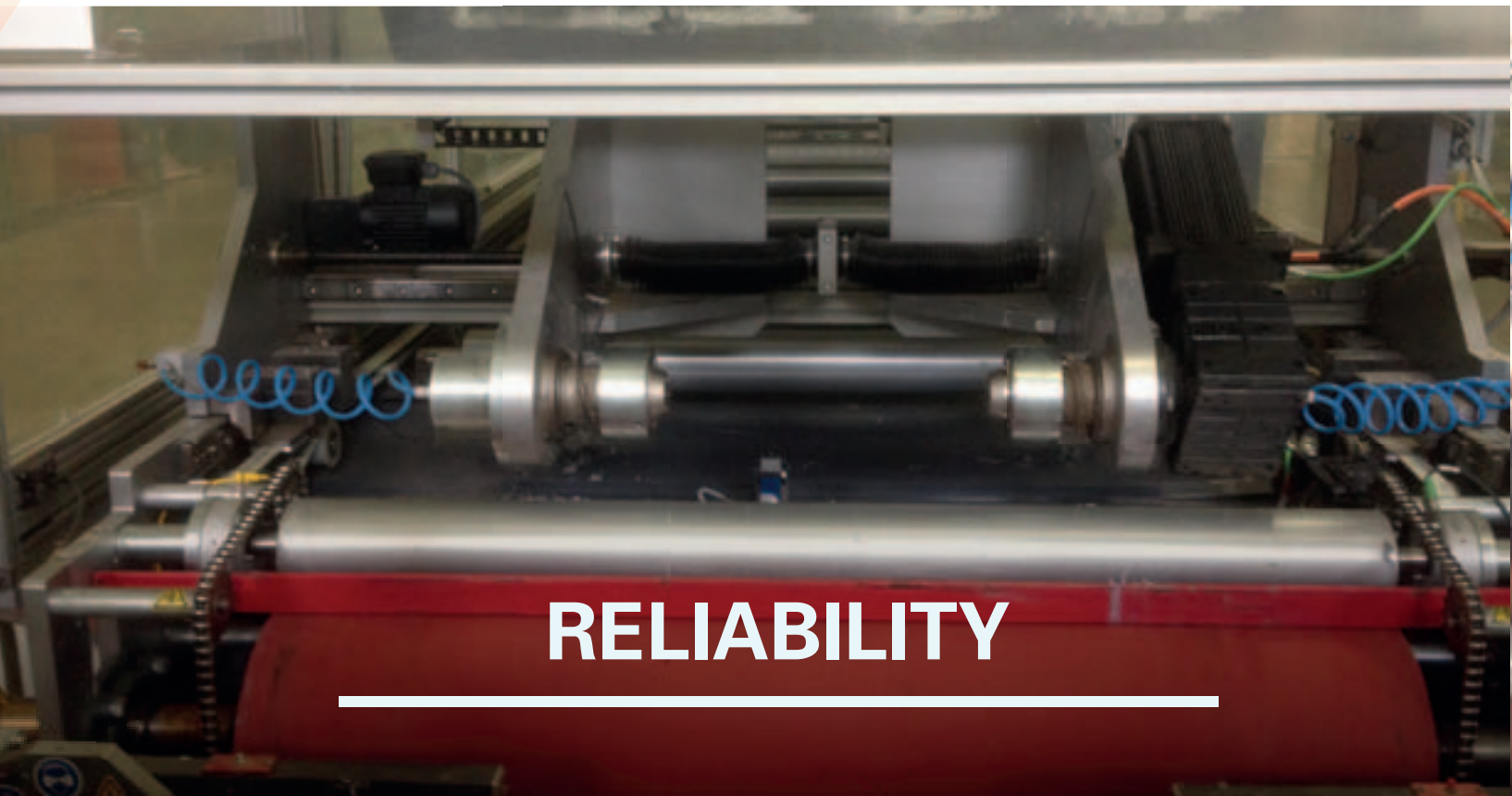
CK-PM/SDD

Double diameter core chuck

Step pneumo-mechanical chuck that allows multiple core sizes without the downtime for exchanging chucks. CK-SDD chuck is also available with ejection flange or in SM version upon request.



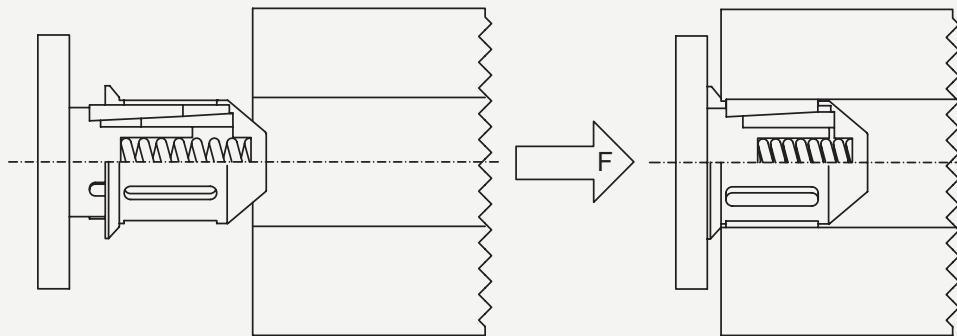
CHUCK MODEL	A mm	B mm	C mm	D mm	E mm	EXPANSION A mm	EXPANSION B mm	MAX WEIGHT N	TWISTING MOM Nm
3"-6"	74	147	102	229	197	74,5÷82,5	148,5÷157,5	7.000	800
4"-10"	98	157	106	229	248	98,5÷108,5	248,5÷257,5	18.000	3.200



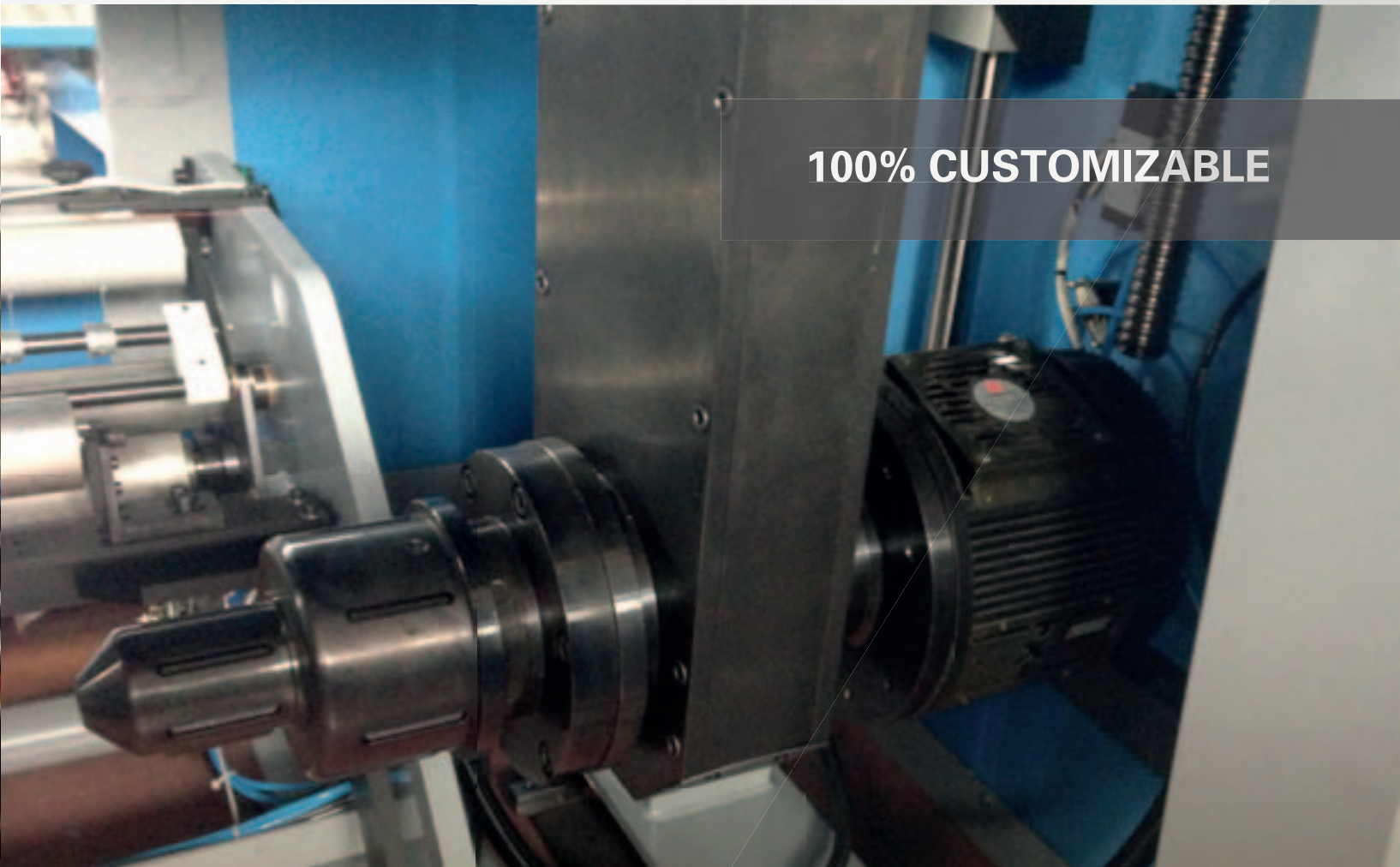
RELIABILITY

Side load core chucks

Side load chucks are provided with a spring system which, using the axial thrust when introduced inside the reel core, expands a series of splines that guarantee the right grip to the reel. Renova's side load chucks provide the best quality to price ratio for clamping cardboard core.



100% CUSTOMIZABLE



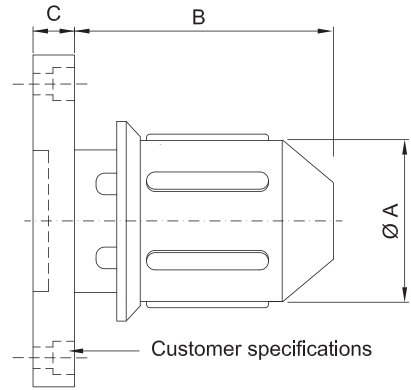
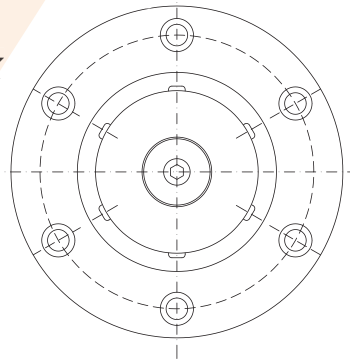
CK-TM/S

Single diameter core chuck

Side load chuck.

Available in the following sizes:

3", 4", 5", 6", 8", 10", 12"



CHUCK MODEL	A mm	B mm	C mm	MAX WEIGHT N	TWISTING MOM Nm
3"	74,5	150	25	12.000	250
4"	98	150	25	27.000	1.100
5"	125	145	30	50.000	2.500
6"	148	145	30	75.000	3.000
10"	242	135	30	100.000	12.000
12"	297	135	30	100.000	18.000

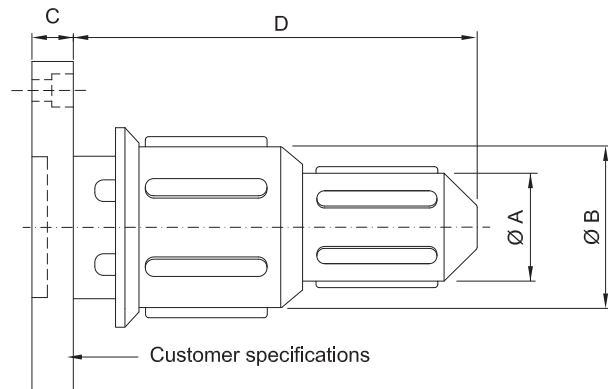
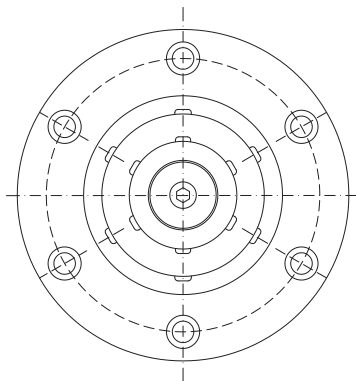
CK-TM/D

Double diameter core chuck

Side load chuck.

Available in the following

seizes: 3"- 4", 3"- 6", and 4"- 6"

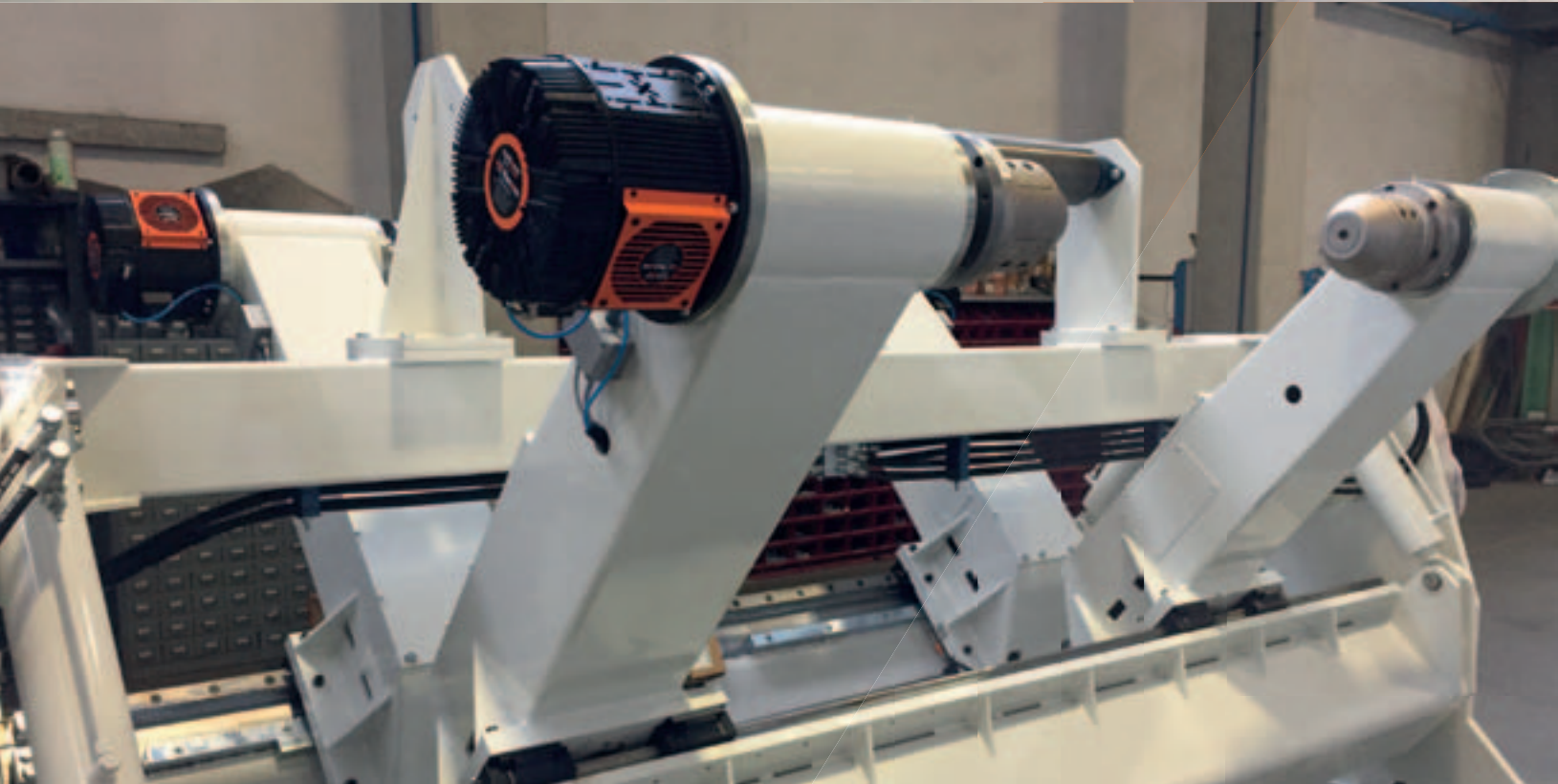


CHUCK MODEL	A mm	B mm	C mm	D mm	MAX WEIGHT A N	MAX WEIGHT B N	TWISTING MOM A Nm	TWISTING MOM B Nm
3"-4"	74,5	98	25	210	7500	25000	250	1100
3"-6"	74,5	148	30	244	15000	75000	250	3000



INNOVATION DESIGNED TO LAST

Renova provides class-leading products that increase the productivity and the safety level while reducing maintenance costs and procedures.





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