Product Series
Piercing and Forming
Units / Cams

KALLER®
The Safer Choice

ROLLER CAM
RC2 & RCP2

Edition 2.2024

Ordering information on
WWW.KALLER.COM

Roller Cam RC2 and RCP2

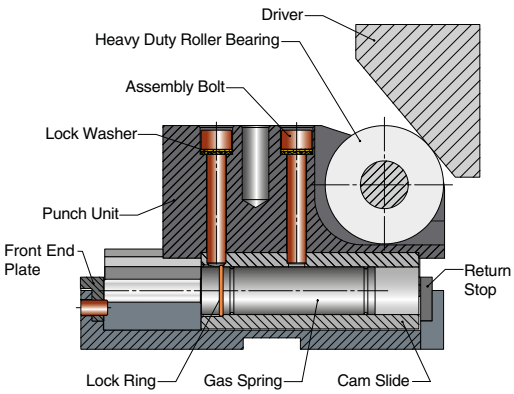
KALLER® Roller Cam has been developed to meet the industry's increasing demands on standard cam units.

This new generation offers:

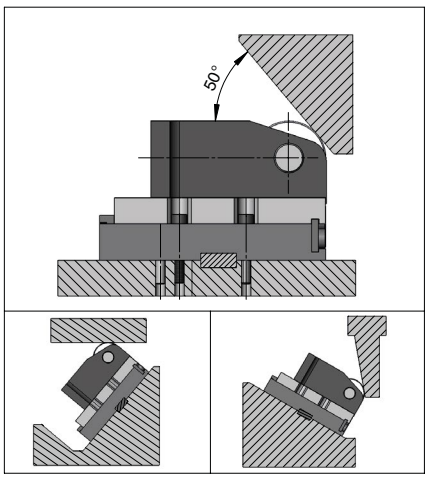
- High precision and maintenance free guiding allowing for more off center loading and upside-down installation
- Long service life
- Built in return stroke dampening
- Easy punch attachment. For other type of application, please contact your local distributor or Strömsholmen AB

The KALLER® Roller Cam is available for a maximum piercing force of 30 kN, 50 kN and 150 kN. The driver itself is to be designed by the user to give the required displacement profile. The contact surface on the driver should be hardened to approximately 58-60 HRC. We recommend using KALLER® Roller Cam driver plates.

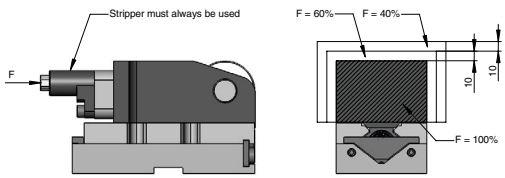
Design



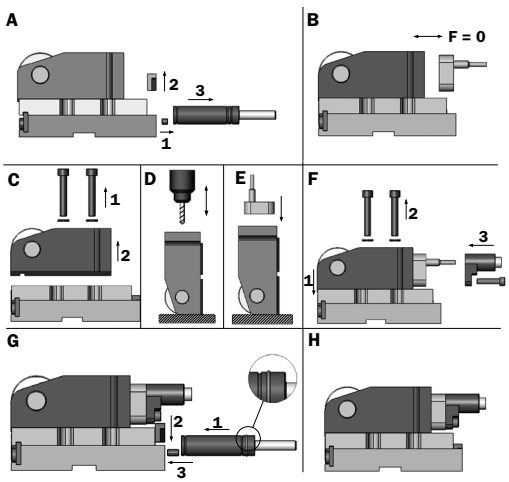
Mounting options



Punch location



Punch attachment



Basic information

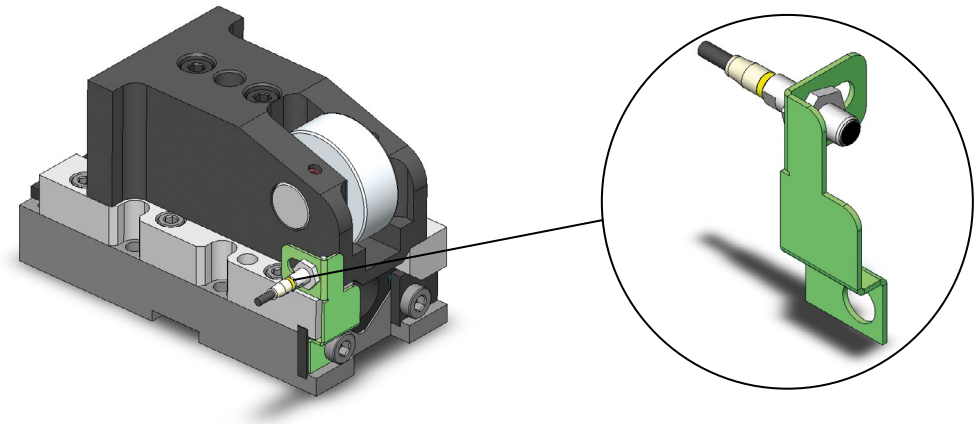
Recommended max. strokes/min ..... 40 spm (at 20°C)
Max. Roller Cam velocity ..... 0.8 m/s
Max. play at face of punch unit ..... 0.02 mm

Note! For information about max. attachment weight, please contact your local distributor or Strömsholmen AB.

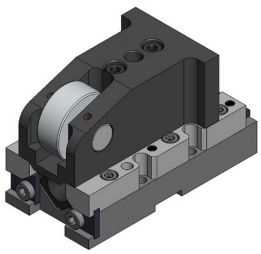
Roller Cam – Sensor Kit

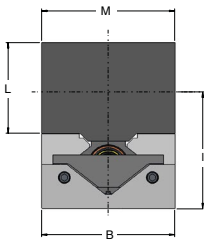
Roller Cam Sensor Kits are an optional accessory to all Roller Cams, providing a signal to the press when the Roller Cam is in start position. The Sensor Kit can easily be attached to the Roller Cam using return stop screw.

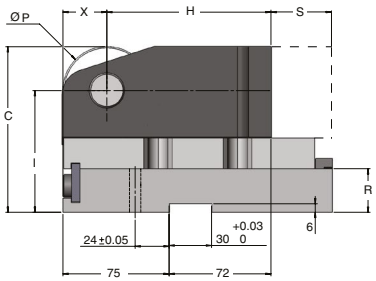
Note! For more information, please contact your local distributor or Strömsholmen AB.

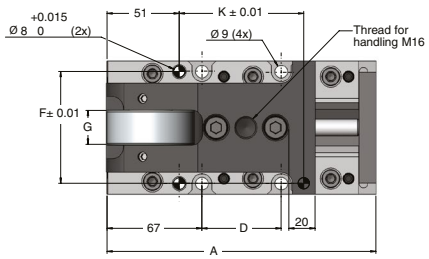


Dimensions RC2 30 & RC2 50







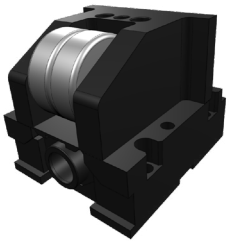


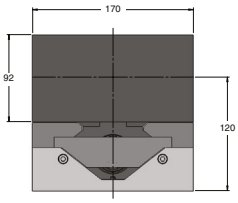
RC2 30 & 50

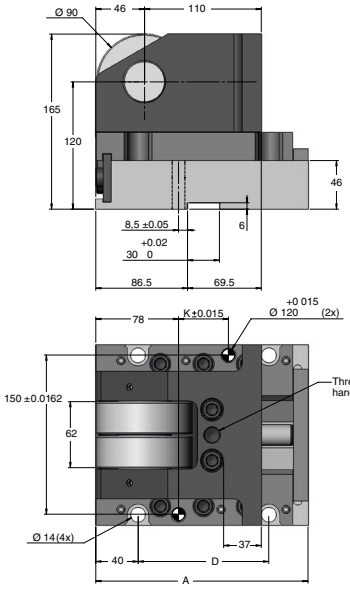
Order No.	Stroke S (mm)	Nominal force (daN)	Initial return force (daN)	Gas spring	A	B	C	D	F	G	H	I	K	L	M	P	R	X	Max. width of the driver
RC2 30-050	50	3,000	200	M2 200	190	94	117	56	79	25	116	86	88	64	94	62	31	31	36
RC2 30-080	80				220			86					118						
RC2 50-050	50	5,000	350	X 350	190	120	140	56	105	29	111	103	88	75	120	72	40	36	
RC2 50-080	80				220			86					118						
RC2 50-100	100				240		157	126				120	158				57		

Note! For 2D & 3D CAD downloads, see www.kaller.com.

Dimensions RCP2 150



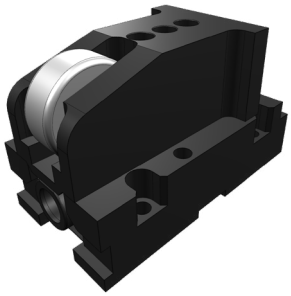


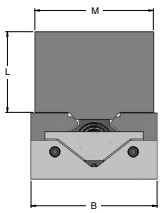


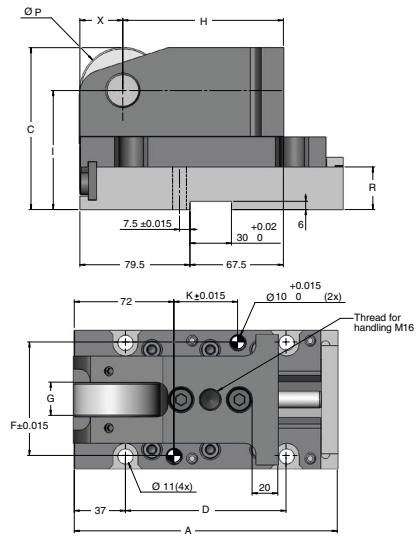
RCP2 150 - Dimensions as per PSA standard

Order No.	Stroke S (mm)	Nominal force (daN)	Initial return force (daN)	Gas spring	A	D	K	Max. width of the driver
RCP2 150-050	50	15,000	500	X 500	200	123	47	65
RCP2 150-080	80				230	153	77	
RCP2 150-100	100				250	173	97	

Dimensions RCP2 30 & RCP2 50







RCP2 30 & 50 - Dimensions as per PSA standard

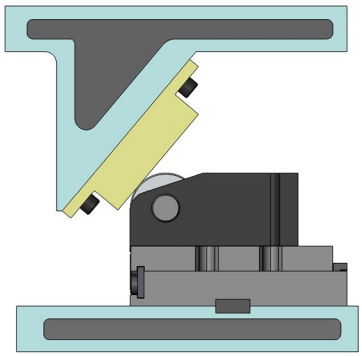
Order No.	S Stroke (mm)	Nominal force (daN)	Initial return force (daN)	Gas spring	A	B	C	D	F	G	H	I	K	L	M	P	R	X	Max. width of the driver
RCP2 30-050	50	3,000	200	M2 200	190	100	117	116	82	25	116	86	46	64	94	62	31	31	36
RCP2 30-080	80				220			146					76						
RCP2 50-050	50	5,000	350	X 350	190	120	140	116	102	29	111	103	46	75	120	72	40	36	
RCP2 50-080	80				220			146					76						
RCP2 50-100	100				240			166					96						

Note! For 2D & 3D CAD downloads, see www.kaller.com

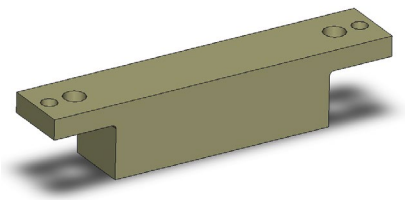
Roller Cam – Driver Plate

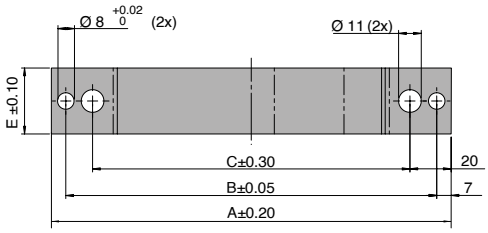
KALLER® Roller Cam Driver Plate has been designed to simplify the installation of Roller Cams.

- Ground and hardened contact surface (60 HRC)
- Standardized sizes
- Independent of installation angle



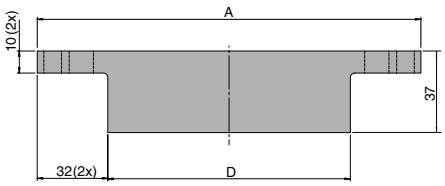
Driver Plate – Flat

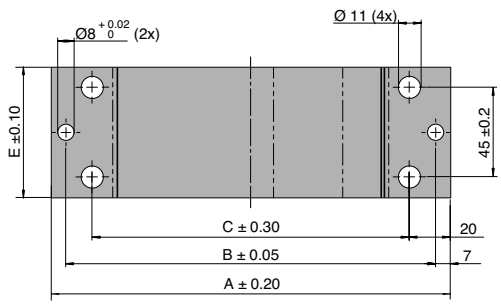




3021265-01
3021265-02

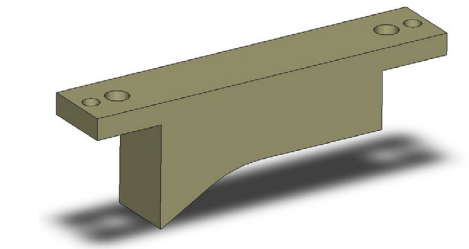
Order No.	A	B	C	D	E	Weight [kg]
3021265-01	174	160	134	110	32	1.16
3021265-02	264	250	224	200	32	2.00
3021265-03	174	160	134	110	65	2.38
3021265-04	264	250	224	200	65	4.08

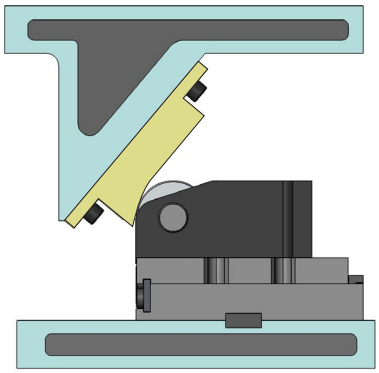




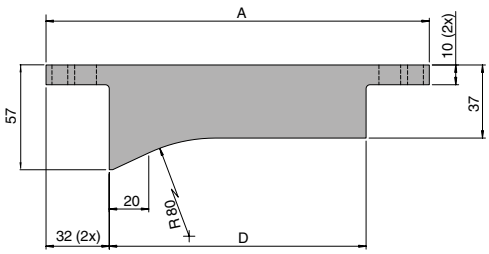
3021265-03
3021265-04

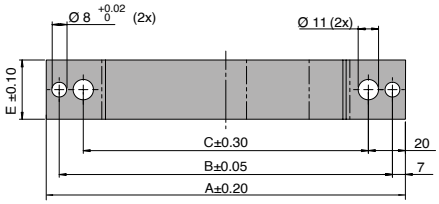
Driver Plate
– Soft Start & Stop



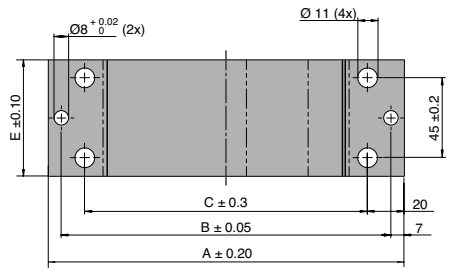


Order No.	A	B	C	D	E	Weight [kg]
3021570-01	194	180	154	130	32	1.43
3021570-02	284	270	244	220	32	2.27
3021570-03	194	180	154	130	65	2.91
3021570-04	284	270	244	220	65	4.61





3021570-01
3021570-02



3021570-03
3021570-04

WELCOME TO KALLER. THE SAFER CHOICE.

Welcome to KALLER, the world-leading brand for gas springs and gas hydraulic systems for stamping dies – as well as gas hydraulic suspension systems for heavy duty off-road vehicles.

With innovation as our driving force, we have developed and refined the nitrogen gas spring technology since 1983.

Constantly solving problems and increasing our customers' productivity. When providing innovative solutions for the safer working environment, we do so with Training, Safety and Reliability as our top priority. That's why KALLER is not only the world-leading gas spring provider, it's why we're The Safer Choice.

KALLER Training Program

TRAINING. Without doubt the KALLER Training Program is the best and most creative way to fully understand and appreciate the importance of the safety and reliability features.

KALLER Safety App

SAFETY. Fake or KALLER original? With the KALLER Safety App you can identify and verify your specific KALLER gas springs.

Overstroke Protection System

SAFETY. When a gas spring is overstroked, this helps reduce the risk of tool damage or injury.

Overload Protection System

SAFETY. Jammed cam or tool part being forced by gas springs? This will help reducing such risks.

Overpressure Protection System

SAFETY. Vents the spring if the internal gas pressure exceeds the maximum allowable limit to prevent accidents.

PED approved for 2 million strokes

RELIABILITY. Our 2 million stroke PED approval ensures safer component cycle life.

Flex GuideTM System

RELIABILITY. Prolongs service life, life, allows more strokes per minute, and offers greater tolerance to lateral tool movements.

Dual SealTM Link Systems

RELIABILITY. Fewer production interruptions due to leakage caused by vibration. Simplified installation thanks to the non-rotation feature.

KALLER®

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