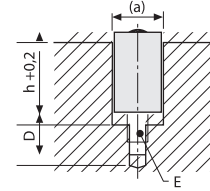
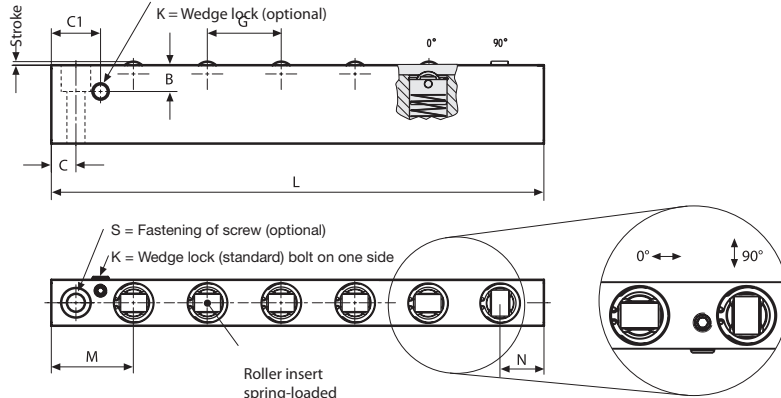


RM-Roller Mechanical Rollblocks

with independent spring operated rollers



Optional extra: Roller turned through 90°

Roller orientation

The load-bearing rollers can be mounted in the longitudinal direction of the roller bar (0° = standard) as well as in a crosswise direction (90°). Please indicate the direction of the roller. e.g. X = 90°

Tmax.: 100°C
Higher temperatures on request

Application

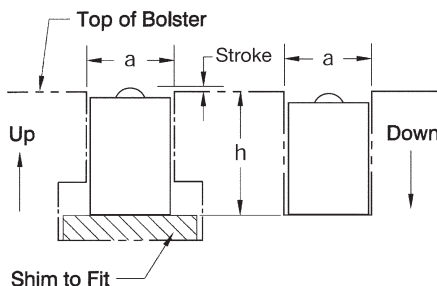
These rollblocks are used in sets of two or more to lift the die and provide a surface of precision rollers. This allows the die to easily be rolled in and out of the machine during the die change process. For use in T-slots per ASA B5.1-1949 specifications or rectangular slots meeting the (a) and (h) dimensions shown. Deeper T-slots can be shimmed to suit.

Description

The rollblock consists of a stationary mounted bar that is equipped with a row of rollers, each independently operated by spring washers. The spring-roller package provides independent overload protection for each roller.

Advantages

- independent overload protection
- rollers are pre-lubricated and sealed
- rollblock includes wedge-style retainer device
- rolling resistance is 1-3% of the die weight



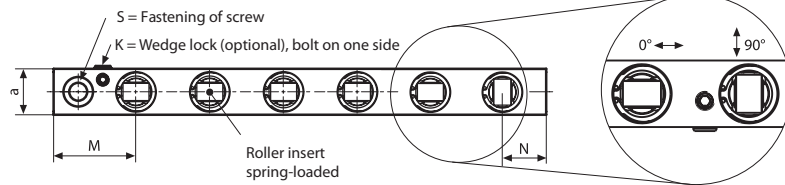
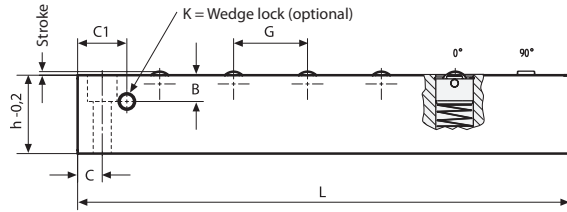
Slot (a) (in)	Height (h) (in)	Stroke (in)	B (in)	C (in)	D (in)	E (mm)	G (in)
13/16	1.16	0.039	0.47	0.39	0.59	M6	1.18
11/16	1.53	0.078	0.61	0.49	0.59	M8	1.57

Part No.	L (in)*	Max Load Per Ball (lbs)	Max Lift Capacity (lbs)	# of Rollers	T-slot Size
HCR-RM-13-4	5.12	135	540	4	13/16"
HCR-RM-13-6	7.48	135	810	6	13/16"
HCR-RM-13-8	9.84	135	1,080	8	13/16"
HCR-RM-13-10	12.2	135	1,350	10	13/16"
HCR-RM-13-12	14.57	135	1,620	12	13/16"
HCR-RM-13-14	16.93	135	1,890	14	13/16"
HCR-RM-13-16	19.29	135	2,160	16	13/16"
HCR-RM-13-18	21.65	135	2,430	18	13/16"
HCR-RM-13-24	28.74	135	3,240	24	13/16"
HCR-RM-13-30	35.83	135	4,050	30	13/16"
HCR-RM-13-35	41.73	135	4,725	35	13/16"
HCR-RM-17-4	6.89	202	808	4	11/16"
HCR-RM-17-6	10.04	202	1,212	6	11/16"
HCR-RM-17-8	13.19	202	1,616	8	11/16"
HCR-RM-17-10	16.35	202	2,020	10	11/16"
HCR-RM-17-12	19.49	202	2,424	12	11/16"
HCR-RM-17-14	22.64	202	2,828	14	11/16"
HCR-RM-17-16	25.79	202	3,232	16	11/16"
HCR-RM-17-18	28.94	202	3,636	18	11/16"
HCR-RM-17-24	38.39	202	4,848	24	11/16"
HCR-RM-17-30	47.83	202	6,060	30	11/16"
HCR-RM-17-36	57.28	202	7,272	36	11/16"
HCR-RM-17-42	66.73	202	8,484	42	11/16"
HCR-RM-17-48	76.18	202	9,696	48	11/16"

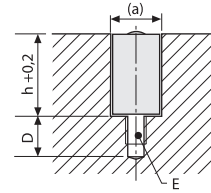
Add suffix "-s" to part number for screw mounting
*Intermediate, Metric and Longer Versions

RM-Roller Mechanical Rollblocks

for **METRIC** T-slots



Tmax.: 100°C
Higher temperatures on request



Optional extra: Roller turned through 90°

Roller orientation

The load-bearing rollers can be mounted in the longitudinal direction of the roller bar (0° = standard) as well as in a crosswise direction (90°). Please indicate the direction of the roller. e.g. **X = 90°**

Roller bar variations with spring pack

If the appropriate roller bar for your specific application is not included in the table of standard bars, our range of variations offers a solution. Fewer rollers also means that the roller bar will be offered at a lower price. Select the slot height, the roller spacing and the bar length to create the correct variation for your application.

Within the limits stated in the table of dimensions, the following parameters can be freely selected:

Slot height (h)

If, in your application, the slot height does not correspond to our standard design, please indicate the required dimension. If slots are higher than in our standard design, spacers can be provided.

e.g. **h = 45 mm**

Roller spacing (G) or load-bearing capacity of the bar

By changing the roller spacing the load-bearing capacity of the roller bar can be varied.

Please note that the indicated load-bearing capacity applies to the complete bar length. This means that the load-bearing capacity / the roller spacing must be adapted to the die weight and the die supporting length. Please indicate the desired roller spacing or the desired load-bearing capacity of the roller bar or the maximum die weight and the die dimensions.

e.g. **G = 35 mm**
or **load-bearing capacity per bar = 92.1 kN**
or **number of rollers = 38**
or **die weight and outside dimensions**

Roller bar length (L)

The possible bar length is obtained as a function of roller spacing (G) and parameter (M). Just indicate the theoretical length (e.g. the table length) for your roller bar. Please note that a roller bar must be provided with at least 3 rollers.

e.g. **L = 1380 mm**

Roller orientation

The rollers can be orientated in the longitudinal direction of the roller bar (0° = standard) or in a crosswise direction (90°). Please indicate the orientation of the rollers required.

e.g. **X = 90**

Slot (a)	(mm)	18	22	28	36	13/16"	11/16"
Slot height min. (h)	(mm)	28,5	34,5	42	51,5	28,5	34,5
Standard slot height (h)	(mm)	30	38	48	61	29,4	38,9
Roller spacing G min.	(mm)	20	23	28	34	20	23
Roller spacing G standard	(mm)	30	40	45	50	30	40
Roller spacing G max.	(mm)	60	80	90	100	60	80
L min.		*)	*)	*)	*)	*)	*)
L max.		2900	2900	2900	2900	2900	2900
Stroke	(mm)	1	2	2	2	1	2
Load-bearing capacity	(kN)	0,6	0,9	1,4	2,4	0,6	0,9
B	(mm)	12	16	16	16	12	16
C	(mm)	10	12,5	15	20	10	12,5
C1	(mm)	10	24,5	30	35	10	24,5
D	(mm)	15	15	20	20	15	15
E	(mm)	M6	M8	M10	M10	M6	M8
M	(mm)	27,5	40	50	57,5	27,5	40
N	(mm)	12,5	15	25	27,5	12,5	15

*) L min. depends on the roller spacing G between at least 3 rollers. Load-bearing capacity indicated per roller bar.

Suffix K = Wedge lock
S = Fastening plate

Ordering example

8.9216. 7036 L1385 K without suffix

Roller bar, spring-loaded	Slot width 36 mm	Length 1385 mm	Standard slot height	Standard roller spacing	Standard roller orientation (0°)
			Fastening of fastening plate		

Ordering example

8.9216. 7036 L1380 S H52 G35 X

Roller bar, spring-loaded	Slot width 36 mm	Length 1380 mm	Slot height 52 mm	Roller spacing 35 mm	Roller orientation (90°)
			Fastening of screw		

By means of these parameters we will determine the roller bar for your specific application. Please contact us, we will be pleased to give you any advice you may require.



Selection of roller bars with standard slot height "h" and roller spacing "G"

For other slot heights, lengths and load-bearing capacities, see range of variations page 1.

Part no.	Slot (a) (mm)	Length (L) (mm)	Max. load (kN)	Number of rollers
8.9216.7018 L 100 S	18	100	1,8	3
8.9216.7018 L 130 S	18	130	2,4	4
8.9216.7018 L 160 S	18	160	3	5
8.9216.7018 L 190 S	18	190	3,6	6
8.9216.7018 L 250 S	18	250	4,8	8
8.9216.7018 L 310 S	18	310	6	10
8.9216.7018 L 370 S	18	370	7,2	12
8.9216.7018 L 430 S	18	430	8,4	14
8.9216.7018 L 490 S	18	490	9,6	16
8.9216.7018 L 550 S	18	550	10,8	18
8.9216.7018 L 610 S	18	610	12	20
8.9216.7018 L 670 S	18	670	13,2	22
8.9216.7018 L 730 S	18	730	14,4	24
Other intermediate lengths up to max. 2890 are possible.				
8.9216.7018 L 2890 S	18	2890	57,6	96

8.9216.7022 L 135 S	22	135	2,7	3
8.9216.7022 L 175 S	22	175	3,6	4
8.9216.7022 L 215 S	22	215	4,5	5
8.9216.7022 L 255 S	22	255	5,4	6
8.9216.7022 L 335 S	22	335	7,2	8
8.9216.7022 L 415 S	22	415	9	10
8.9216.7022 L 495 S	22	495	10,8	12
8.9216.7022 L 575 S	22	575	12,6	14
8.9216.7022 L 655 S	22	655	14,4	16
8.9216.7022 L 735 S	22	735	16,2	18
8.9216.7022 L 815 S	22	815	18	20
8.9216.7022 L 895 S	22	895	19,8	22
8.9216.7022 L 975 S	22	975	21,6	24
8.9216.7022 L 1055 S	22	1055	23,4	26
8.9216.7022 L 1135 S	22	1135	25,2	28
8.9216.7022 L 1215 S	22	1215	27	30
8.9216.7022 L 1295 S	22	1295	28,8	32
Other intermediate lengths up to max. 2895 are possible.				
8.9216.7022 L 2895 S	22	2895	64,8	72

8.9216.7028 L 165 S	28	165	4,2	3
8.9216.7028 L 210 S	28	210	5,6	4
8.9216.7028 L 255 S	28	255	7	5
8.9216.7028 L 300 S	28	300	8,4	6
8.9216.7028 L 390 S	28	390	11,2	8
8.9216.7028 L 480 S	28	480	14	10
8.9216.7028 L 570 S	28	570	16,8	12
8.9216.7028 L 660 S	28	660	19,6	14
8.9216.7028 L 750 S	28	750	22,4	16
8.9216.7028 L 840 S	28	840	25,2	18
8.9216.7028 L 930 S	28	930	28	20
8.9216.7028 L 1020 S	28	1020	30,8	22
Other intermediate lengths up to max. 2865 are possible.				
8.9216.7028 L 2865 S	28	2865	88,2	63

Part no.	Slot (a) (mm)	Length (L) (mm)	Max. load (kN)	Number of rollers
8.9216.7036 L 185 S	36	185	7,2	3
8.9216.7036 L 235 S	36	235	9,6	4
8.9216.7036 L 285 S	36	285	12	5
8.9216.7036 L 335 S	36	335	14,4	6
8.9216.7036 L 435 S	36	435	19,2	8
8.9216.7036 L 535 S	36	535	24	10
8.9216.7036 L 635 S	36	635	28,8	12
8.9216.7036 L 735 S	36	735	33,6	14
8.9216.7036 L 835 S	36	835	38,4	16
8.9216.7036 L 935 S	36	935	43,2	18
8.9216.7036 L 1035 S	36	1035	48	20
8.9216.7036 L 1135 S	36	1135	52,8	22
Other intermediate lengths up to max. 2885 are possible.				
8.9216.7036 L 2985 S	36	2885	136,8	57

8.9216.7013 L 100 S	13/16"	100	1,8	3
8.9216.7013 L 130 S	13/16"	130	2,4	4
8.9216.7013 L 160 S	13/16"	160	3	5
8.9216.7013 L 190 S	13/16"	190	3,6	6
8.9216.7013 L 250 S	13/16"	250	4,8	8
8.9216.7013 L 310 S	13/16"	310	6	10
8.9216.7013 L 370 S	13/16"	370	7,2	12
8.9216.7013 L 430 S	13/16"	430	8,4	14
8.9216.7013 L 490 S	13/16"	490	9,6	16
8.9216.7013 L 550 S	13/16"	550	10,8	18
8.9216.7013 L 610 S	13/16"	610	12	20
8.9216.7013 L 670 S	13/16"	670	13,2	22
8.9216.7013 L 730 S	13/16"	730	14,4	24
Other intermediate lengths up to max. 2890 are possible.				
8.9216.7013 L 2890 S	13/16"	2890	57,6	96

8.9216.7017 L 135 S	1 1/16"	135	2,7	3
8.9216.7017 L 175 S	1 1/16"	175	3,6	4
8.9216.7017 L 215 S	1 1/16"	215	4,5	5
8.9216.7017 L 255 S	1 1/16"	255	5,4	6
8.9216.7017 L 335 S	1 1/16"	335	7,2	8
8.9216.7017 L 415 S	1 1/16"	415	9	10
8.9216.7017 L 495 S	1 1/16"	495	10,8	12
8.9216.7017 L 575 S	1 1/16"	575	12,6	14
8.9216.7017 L 655 S	1 1/16"	655	14,4	16
8.9216.7017 L 735 S	1 1/16"	735	16,2	18
8.9216.7017 L 815 S	1 1/16"	815	18	20
8.9216.7017 L 895 S	1 1/16"	895	19,8	22
8.9216.7017 L 975 S	1 1/16"	975	21,6	24
8.9216.7017 L 1055 S	1 1/16"	1055	23,4	26
8.9216.7017 L 1135 S	1 1/16"	1135	25,2	28
8.9216.7017 L 1215 S	1 1/16"	1215	27	30
8.9216.7017 L 1295 S	1 1/16"	1295	28,8	32
Other intermediate lengths up to max. 2895 are possible.				
8.9216.7017 L 2895 S	1 1/16"	2895	64,8	72

▼
S = screw

K = wedge lock