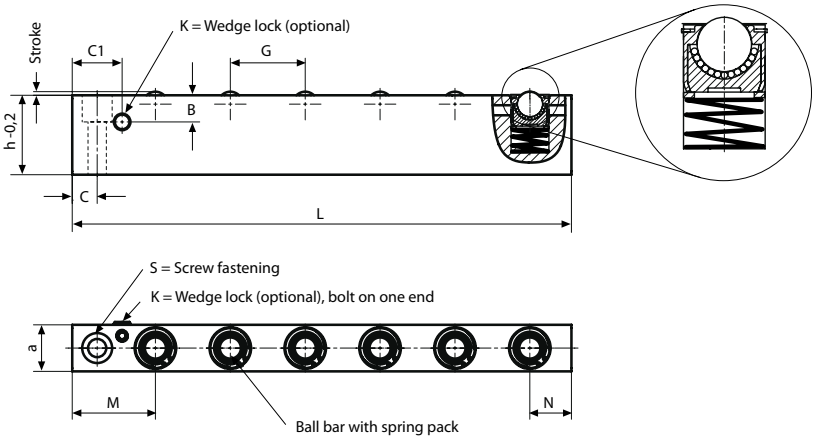
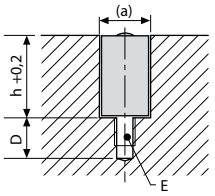
Ball bar with spring pack





Tmax.: 100°C
Higher temperatures on request

Slot width (a) (mm)	18	22	28	36	13/16"	1 1/16"
Min. slot height (h) (mm)	29,4	38	48	46	29,4	38
Standard slot height (h) (mm)	30	38	48	61	29,4	38,9
Ball spacing G min. (mm)	20	23	28	34	20	23
Ball spacing G standard (mm)	**30**	**40**	**45**	**50**	**30**	**40**
Ball spacing G max. (mm)	60	80	90	100	60	80
L min. (mm)	*)	*)	*)	*)	*)	*)
L max. (mm)	2900	2900	2900	2900	2900	2900
Hub (mm)	1	2	2	2	1	2
Load-bearing capacity / ball (kN)	0,22	0,42	0,63	1,00	0,22	0,42
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 ball spacing G with at least 3 balls
Indication of the load per ball bar;
K = Wedge lock,
S = Screw fastening

Example of ordering:

8.9218. 7236 L1385 K — **without suffix**

- 8.9218. Ball bar spring-loaded
- 7236 Slot width 36 mm
- L1385 Length 1385 mm
- K Fastening: wedge lock
- without suffix: Standard slot height; Standard ball spacing

Example of ordering:

8.9218. 7236 L1380 S H50 G35

- 8.9218. Ball bar spring-loaded
- 7236 Slot width 36 mm
- L1380 Length 1380 mm
- S Fastening: screw
- H50 Slot height 50 mm
- G35 Ball spacing 35 mm

Based on these parameters, we will devise the ball bar for your specific application.
Please contact us, we will be pleased to offer you advice!

Ball bar variations with spring pack

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

e.g. **a = 36 mm**
e.g. **fastening screw = S**

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

Slot height (h)
If for your application the slots are not as high as in our standard design, indicate the corresponding dimension.
If for your application the slots are higher than our standard design, spacer bars may be inserted.

e. g. **h** = **50** mm

Spacing of balls (G) and load-bearing capacity of the ball bar
By changing the spacing of the balls the load-bearing capacity of the ball bar may be varied. Please note that the load-bearing capacity is indicated for the full length of the ball bar. Therefore, both the load-bearing capacity and the ball spacing must be selected to suit the die weight and the die supporting length.
Please indicate the desired ball spacing or load-bearing capacity of the ball bar, or the maximum die weight and the die dimensions.

e.g. **G** = **35** mm

or **load-bearing capacity/bar = 38 kN**
or **number of balls = 38**
or **die weight and outside dimensions**

Length of the ball bar (L)
The possible length of the bar is obtained from the ball spacing (G) and the parameter (M).
Just indicate the theoretical length (e.g. the length of the table) for your ball bar.
Please note that a ball bar must be equipped with at least 3 balls.

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

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Selection of ball bars in preferred sizes: slot height „h“ and ball spacing „G“

For other slot heights, lengths and load-bearing capacities (or ball spacing), see range of variations page 1.

Part no.	Slot (a) (mm)	Length (L) (mm)	Max. load (kN)	Number of balls
8.9218.7218 L 100 S	18	100	0,6	3
8.9218.7218 L 130 S	18	130	0,8	4
8.9218.7218 L 160 S	18	160	1,1	5
8.9218.7218 L 190 S	18	190	1,3	6
8.9218.7218 L 250 S	18	250	1,7	8
8.9218.7218 L 310 S	18	310	2,2	10
8.9218.7218 L 370 S	18	370	2,6	12
8.9218.7218 L 430 S	18	430	3	14
8.9218.7218 L 490 S	18	490	3,5	16
8.9218.7218 L 550 S	18	550	3,9	18
8.9218.7218 L 610 S	18	610	4,4	20
8.9218.7218 L 670 S	18	670	4,8	22
8.9218.7218 L 730 S	18	730	5,2	24
Other intermediate lengths up to max. 2890 are possible.				
8.9218.7218 L 2890 S	18	2890	21,1	96
8.9218.7222 L 135 S	22	135	1,2	3
8.9218.7222 L 175 S	22	175	1,6	4
8.9218.7222 L 215 S	22	215	2,1	5
8.9218.7222 L 255 S	22	255	2,5	6
8.9218.7222 L 335 S	22	335	3,3	8
8.9218.7222 L 415 S	22	415	4,2	10
8.9218.7222 L 495 S	22	495	5	12
8.9218.7222 L 575 S	22	575	5,8	14
8.9218.7222 L 655 S	22	655	6,7	16
8.9218.7222 L 735 S	22	735	7,5	18
8.9218.7222 L 815 S	22	815	8,4	20
8.9218.7222 L 895 S	22	895	9,2	22
8.9218.7222 L 975 S	22	975	10	24
8.9218.7222 L 1055 S	22	1055	10,9	26
8.9218.7222 L 1135 S	22	1135	11,7	28
8.9218.7222 L 1215 S	22	1215	12,6	30
8.9218.7222 L 1295 S	22	1295	13,4	32
Other intermediate lengths up to max. 2895 are possible.				
8.9218.7222 L 2895 S	22	2895	30,2	72
8.9218.7228 L 165 S	28	165	1,8	3
8.9218.7228 L 210 S	28	210	2,5	4
8.9218.7228 L 255 S	28	255	3,1	5
8.9218.7228 L 300 S	28	300	3,7	6
8.9218.7228 L 390 S	28	390	5	8
8.9218.7228 L 480 S	28	480	6,3	10
8.9218.7228 L 570 S	28	570	7,5	12
8.9218.7228 L 660 S	28	660	8,8	14
8.9218.7228 L 750 S	28	750	10	16
8.9218.7228 L 840 S	28	840	11,3	18
8.9218.7228 L 930 S	28	930	12,6	20
8.9218.7228 L 1020 S	28	1020	13,8	22
Other intermediate lengths up to max. 2865 are possible.				
8.9218.7228 L 2865 S	28	2865	39,6	63

Part no.	Slot (a) (mm)	Length (L) (mm)	Max. load (kN)	Number of balls
8.9218.7236 L 185 S	36	185	3	3
8.9218.7236 L 235 S	36	235	4	4
8.9218.7236 L 285 S	36	285	5	5
8.9218.7236 L 335 S	36	335	6	6
8.9218.7236 L 435 S	36	435	8	8
8.9218.7236 L 535 S	36	535	10	10
8.9218.7236 L 635 S	36	635	12	12
8.9218.7236 L 735 S	36	735	14	14
8.9218.7236 L 835 S	36	835	16	16
8.9218.7236 L 935 S	36	935	18	18
8.9218.7236 L 1035 S	36	1035	20	20
8.9218.7236 L 1135 S	36	1135	22	22
Other intermediate lengths up to max. 2885 are possible.				
8.9218.7236 L 2985 S	36	2885	57	57
8.9218.7213 L 100 S	13/16"	100	0,6	3
8.9218.7213 L 130 S	13/16"	130	0,8	4
8.9218.7213 L 160 S	13/16"	160	1,1	5
8.9218.7213 L 190 S	13/16"	190	1,3	6
8.9218.7213 L 250 S	13/16"	250	1,7	8
8.9218.7213 L 310 S	13/16"	310	2,2	10
8.9218.7213 L 370 S	13/16"	370	2,6	12
8.9218.7213 L 430 S	13/16"	430	3	14
8.9218.7213 L 490 S	13/16"	490	3,5	16
8.9218.7213 L 550 S	13/16"	550	3,9	18
8.9218.7213 L 610 S	13/16"	610	4,4	20
8.9218.7213 L 670 S	13/16"	670	4,8	22
8.9218.7213 L 730 S	1 13/16"	730	5,2	24
Other intermediate lengths up to max. 2890 are possible.				
8.9218.7213 L 2890 S	13/16"	2890	21,1	96
8.9218.7217 L 135 S	1 1/16"	135	1,2	3
8.9218.7217 L 175 S	1 1/16"	175	1,6	4
8.9218.7217 L 215 S	1 1/16"	215	2,1	5
8.9218.7217 L 255 S	1 1/16"	255	2,5	6
8.9218.7217 L 335 S	1 1/16"	335	3,3	8
8.9218.7217 L 415 S	1 1/16"	415	4,2	10
8.9218.7217 L 495 S	1 1/16"	495	5	12
8.9218.7217 L 575 S	1 1/16"	575	5,8	14
8.9218.7217 L 655 S	1 1/16"	655	6,7	16
8.9218.7217 L 735 S	1 1/16"	735	7,5	18
8.9218.7217 L 815 S	1 1/16"	815	8,4	20
8.9218.7217 L 895 S	1 1 1/16"	895	9,2	22
8.9218.7217 L 975 S	1 1/16"	975	10	24
8.9218.7217 L 1055 S	1 1/16"	1055	10,9	26
8.9218.7217 L 1135 S	1 1/16"	1135	11,7	28
8.9218.7217 L 1215 S	1 1/16"	1215	12,6	30
8.9218.7217 L 1295 S	1 1/16"	1295	13,4	32
Other intermediate lengths up to max. 2895 are possible.				
8.9218.7217 L 2895 S	1 1/16"	2895	30,2	72

▼
S = screw
K = wedge lock

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