

Linear guide rail systems

Steel / Stainless Steel, with Inside Traversal Distance

SPECIFICATION

Types

- Type **A3**: with one cam roller carriage with 3 rollers
- Type **A5**: with one cam roller carriage with 5 rollers
- Type **B3**: with two cam roller carriages with 3 rollers
- Type **B5**: with two cam roller carriages with 5 rollers

Identification no.

- No. **0**: without end stop
- No. **1**: with one end stop
- No. **2**: with two end stops

Guide rail

- Steel **ZB**
Zinc plated, blue passivated
- Stainless steel AISI 430 **NI**
Plain

Cam roller carriage

- Base body
Stainless steel AISI 304
- Roller
Ball-bearing, 2RS
Stainless steel AISI 440C
- Roller bearing grease
FDA compliant, class H1
Permanent lubrication

End stop

- Stainless steel AISI 304
- Rubber stop (TPU), hardness ≈ 80 Shore A

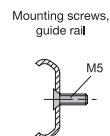
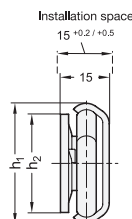
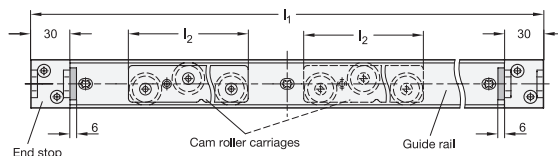
Operating temperature -20°C to 100°C

INFORMATION

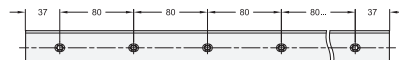
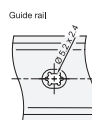
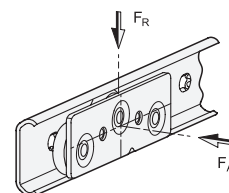
Linear guide rail systems GN 1490 are generally installed in pairs, with a horizontal alignment, either vertically (as shown) or perpendicularly. They are used where simple, linear movements must be executed, such as in automation or in vehicle or machine engineering. Optimal travel properties combined with low maintenance requirements can be achieved in connection with cam roller carriages matched to the guide rails without any play. The system is ready for use immediately after insertion of the cam roller carriages. The linear guide rail systems consist of a guide rail, one or two cam roller carriages and the selected number of end stops. The parts are delivered unassembled. The guide rail can be installed on either the left or right side of the application. During installation of the cam roller carriages, the direction in which the load is received (marking notch) must be taken into account. The lubrication and maintenance instructions must be followed.

ON REQUEST

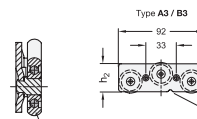
- Other guide rail length (up to 3,994 mm)
- Other hole spacing / finish



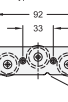
Load capacity per cam roller carriage



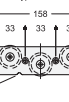
Cam roller carriage



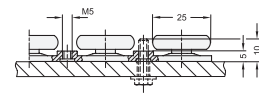
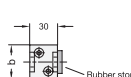
Type A3 / B3



Type A5 / B5



End stop



* Complete with material of the Linear guide rail systems (ZB or NI)

ZB	NI
Steel	Stainless Steel

GN 1490

Description	h1	l1 ±1	b	h2	l2 cam roller carriage	Fx per cam roller carriage in N	Fa per cam roller carriage in N	
GN 1490-29-394-A3-0-*	29	394	29	23	92	425	175	287
GN 1490-29-394-A5-0-*	29	394	29	23	158	650	350	337
GN 1490-29-394-B3-0-*	29	394	29	23	92	425	175	377
GN 1490-29-394-B5-0-*	29	394	29	23	158	650	350	477
GN 1490-29-394-A3-1-*	29	394	29	23	92	425	175	317
GN 1490-29-394-A5-1-*	29	394	29	23	158	650	350	367
GN 1490-29-394-B3-1-*	29	394	29	23	92	425	175	407
GN 1490-29-394-B5-1-*	29	394	29	23	158	650	350	507
GN 1490-29-394-A3-2-*	29	394	29	23	92	425	175	347
GN 1490-29-394-A5-2-*	29	394	29	23	158	650	350	397
GN 1490-29-394-B3-2-*	29	394	29	23	92	425	175	437
GN 1490-29-394-B5-2-*	29	394	29	23	158	650	350	537
GN 1490-29-474-A3-0-*	29	474	29	23	92	425	175	327
GN 1490-29-474-A5-0-*	29	474	29	23	158	650	350	377
GN 1490-29-474-B3-0-*	29	474	29	23	92	425	175	417
GN 1490-29-474-B5-0-*	29	474	29	23	158	650	350	517
GN 1490-29-474-A3-1-*	29	474	29	23	92	425	175	357
GN 1490-29-474-A5-1-*	29	474	29	23	158	650	350	407
GN 1490-29-474-B3-1-*	29	474	29	23	92	425	175	447
GN 1490-29-474-B5-1-*	29	474	29	23	158	650	350	547
GN 1490-29-474-A3-2-*	29	474	29	23	92	425	175	387
GN 1490-29-474-A5-2-*	29	474	29	23	158	650	350	422
GN 1490-29-474-B3-2-*	29	474	29	23	92	425	175	457
GN 1490-29-474-B5-2-*	29	474	29	23	158	650	350	577
GN 1490-29-554-A3-0-*	29	554	29	23	92	425	175	367
GN 1490-29-554-A5-0-*	29	554	29	23	158	650	350	417
GN 1490-29-554-B3-0-*	29	554	29	23	92	425	175	457
GN 1490-29-554-B5-0-*	29	554	29	23	158	650	350	557
GN 1490-29-554-A3-1-*	29	554	29	23	92	425	175	397
GN 1490-29-554-A5-1-*	29	554	29	23	158	650	350	447
GN 1490-29-554-B3-1-*	29	554	29	23	92	425	175	487
GN 1490-29-554-B5-1-*	29	554	29	23	158	650	350	587
GN 1490-29-554-A3-2-*	29	554	29	23	92	425	175	427
GN 1490-29-554-A5-2-*	29	554	29	23	158	650	350	477
GN 1490-29-554-B3-2-*	29	554	29	23	92	425	175	517
GN 1490-29-554-B5-2-*	29	554	29	23	158	650	350	617
GN 1490-29-634-A3-0-*	29	634	29	23	92	425	175	407
GN 1490-29-634-A5-0-*	29	634	29	23	158	650	350	457
GN 1490-29-634-B3-0-*	29	634	29	23	92	425	175	497
GN 1490-29-634-B5-0-*	29	634	29	23	158	650	350	597
GN 1490-29-634-A3-1-*	29	634	29	23	92	425	175	437
GN 1490-29-634-A5-1-*	29	634	29	23	158	650	350	487
GN 1490-29-634-B3-1-*	29	634	29	23	92	425	175	527
GN 1490-29-634-B5-1-*	29	634	29	23	158	650	350	627
GN 1490-29-634-A3-2-*	29	634	29	23	92	425	175	467
GN 1490-29-634-A5-2-*	29	634	29	23	158	650	350	517
GN 1490-29-634-B3-2-*	29	634	29	23	92	425	175	557
GN 1490-29-634-B5-2-*	29	634	29	23	158	650	350	657
GN 1490-29-714-A3-0-*	29	714	29	23	92	425	175	447
GN 1490-29-714-A5-0-*	29	714	29	23	158	650	350	497
GN 1490-29-714-B3-0-*	29	714	29	23	92	425	175	537
GN 1490-29-714-B5-0-*	29	714	29	23	158	650	350	637
GN 1490-29-714-A3-1-*	29	714	29	23	92	425	175	477
GN 1490-29-714-A5-1-*	29	714	29	23	158	650	350	527
GN 1490-29-714-B3-1-*	29	714	29	23	92	425	175	567
GN 1490-29-714-B5-1-*	29	714	29	23	158	650	350	667
GN 1490-29-714-A3-2-*	29	714	29	23	92	425	175	507
GN 1490-29-714-A5-2-*	29	714	29	23	158	650	350	557

Description	h1	l1 ±1	b	h2	l2 cam roller carriage	Fx per cam roller carriage in N	Fa per cam roller carriage in N	
GN 1490-29-714-B3-2-*	29	714	29	23	92	425	175	597
GN 1490-29-714-B5-2-*	29	714	29	23	158	650	350	697
GN 1490-29-794-A3-0-*	29	794	29	23	92	425	175	487
GN 1490-29-794-A5-0-*	29	794	29	23	158	650	350	537
GN 1490-29-794-B3-0-*	29	794	29	23	92	425	175	577
GN 1490-29-794-B5-0-*	29	794	29	23	158	650	350	677
GN 1490-29-794-A3-1-*	29	794	29	23	92	425	175	517
GN 1490-29-794-A5-1-*	29	794	29	23	158	650	350	567
GN 1490-29-794-B3-1-*	29	794	29	23	92	425	175	607
GN 1490-29-794-B5-1-*	29	794	29	23	158	650	350	707
GN 1490-29-794-A3-2-*	29	794	29	23	92	425	175	547
GN 1490-29-794-A5-2-*	29	794	29	23	158	650	350	597
GN 1490-29-794-B3-2-*	29	794	29	23	92	425	175	637
GN 1490-29-794-B5-2-*	29	794	29	23	158	650	350	737
GN 1490-29-874-A3-0-*	29	874	29	23	92	425	175	527
GN 1490-29-874-A5-0-*	29	874	29	23	158	650	350	577
GN 1490-29-874-B3-0-*	29	874	29	23	92	425	175	617
GN 1490-29-874-B5-0-*	29	874	29	23	158	650	350	717
GN 1490-29-874-A3-1-*	29	874	29	23	92	425	175	557
GN 1490-29-874-A5-1-*	29	874	29	23	158	650	350	607
GN 1490-29-874-B3-1-*	29	874	29	23	92	425	175	647
GN 1490-29-874-B5-1-*	29	874	29	23	158	650	350	747
GN 1490-29-874-A3-2-*	29	874	29	23	92	425	175	587
GN 1490-29-874-A5-2-*	29	874	29	23	158	650	350	637
GN 1490-29-874-B3-2-*	29	874	29	23	92	425	175	677
GN 1490-29-874-B5-2-*	29	874	29	23	158	650	350	777
GN 1490-29-954-A3-0-*	29	954	29	23	92	425	175	567
GN 1490-29-954-A5-0-*	29	954	29	23	158	650	350	617
GN 1490-29-954-B3-0-*	29	954	29	23	92	425	175	657
GN 1490-29-954-B5-0-*	29	954	29	23	158	650	350	757
GN 1490-29-954-A3-1-*	29	954	29	23	92	425	175	597
GN 1490-29-954-A5-1-*	29	954	29	23	158	650	350	647
GN 1490-29-954-B3-1-*	29	954	29	23	92	425	175	687
GN 1490-29-954-B5-1-*	29	954	29	23	158	650	350	787
GN 1490-29-954-A3-2-*	29	954	29	23	92	425	175	627
GN 1490-29-954-A5-2-*	29	954	29	23	158	650	350	677
GN 1490-29-954-B3-2-*	29	954	29	23	92	425	175	717
GN 1490-29-954-B5-2-*	29	954	29	23	158	650	350	817
GN 1490-29-1034-A3-0-*	29	1034	29	23	92	425	175	607
GN 1490-29-1034-A5-0-*	29	1034	29	23	158	650	350	657
GN 1490-29-1034-B3-0-*	29	1034	29	23	92	425	175	697
GN 1490-29-1034-B5-0-*	29	1034	29	23	158	650	350	797
GN 1490-29-1034-A3-1-*	29	1034	29	23	92	425	175	637
GN 1490-29-1034-A5-1-*	29	1034	29	23	158	650	350	687
GN 1490-29-1034-B3-1-*	29	1034	29	23	92	425	175	727
GN 1490-29-1034-B5-1-*	29	1034	29	23	158	650	350	827
GN 1490-29-1034-A3-2-*	29	1034	29	23	92	425	175	667
GN 1490-29-1034-A5-2-*	29	1034	29	23	158	650	350	717
GN 1490-29-1034-B3-2-*	29	1034	29	23	92	425	175	757
GN 1490-29-1034-B5-2-*	29	1034	29	23	158	650	350	857
GN 1490-29-1194-A3-0-*	29	1194	29	23	92	425	175	687
GN 1490-29-1194-A5-0-*	29	1194	29	23	158	650	350	737
GN 1490-29-1194-B3-0-*	29	1194	29	23	92	425	175	777
GN 1490-29-1194-B5-0-*	29	1194	29	23	158	650	350	877
GN 1490-29-1194-A3-1-*	29	1194	29	23	92	425	175	717
GN 1490-29-1194-A5-1-*	29	1194	29	23	158	650	350	767
GN 1490-29-1194-B3-1-*	29	1194	29	23	92	425	175	807
GN 1490-29-1194-B5-1-*	29	1194	29	23	158	650	350	907
GN 1490-29-1194-A3-2-*	29	1194	29	23	92	425	175	747
GN 1490-29-1194-A5-2-*	29	1194	29	23	158	650	350	797
GN 1490-29-1194-B3-2-*	29	1194	29	23	92	425	175	837
GN 1490-29-1194-B5-2-*	29	1194	29	23	158	650	350	937
GN 1490-29-1434-A3-0-*	29	1434	29	23	92	425	175	807

Weight ZB

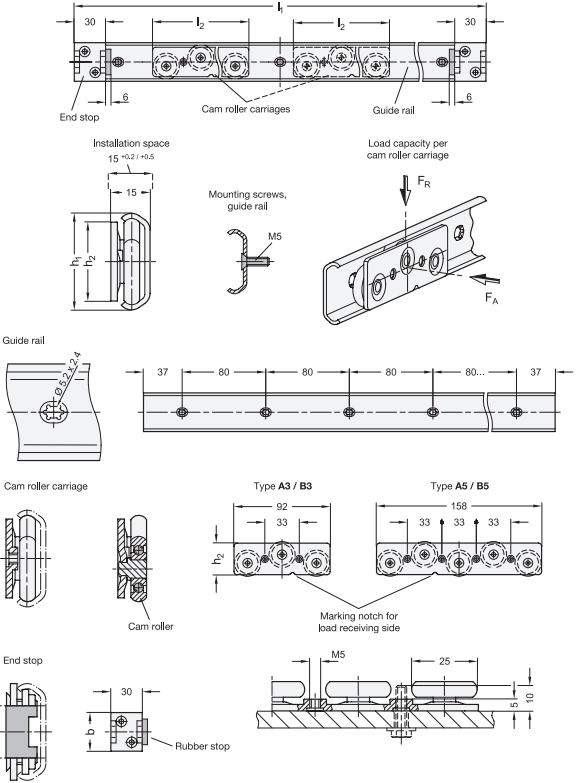


* Complete with material of the Linear guide rail systems (ZB or NI)

ZB
Steel

NI
Stainless Steel

Description	h1	l1 ±1	b	h2	l2 cam roller carriage	F _R per cam roller carriage in N	F _A per cam roller carriage in N	⚖
GN 1490-29-1434-A5-0-*	29	1434	29	23	158	650	350	857
GN 1490-29-1434-B3-0-*	29	1434	29	23	92	425	175	897
GN 1490-29-1434-B5-0-*	29	1434	29	23	158	650	350	997
GN 1490-29-1434-A3-1-*	29	1434	29	23	92	425	175	837
GN 1490-29-1434-A5-1-*	29	1434	29	23	158	650	350	887
GN 1490-29-1434-B3-1-*	29	1434	29	23	92	425	175	927
GN 1490-29-1434-B5-1-*	29	1434	29	23	158	650	350	1027
GN 1490-29-1434-A3-2-*	29	1434	29	23	92	425	175	867
GN 1490-29-1434-A5-2-*	29	1434	29	23	158	650	350	917
GN 1490-29-1434-B3-2-*	29	1434	29	23	92	425	175	957
GN 1490-29-1434-B5-2-*	29	1434	29	23	158	650	350	1057
GN 1490-37-394-A3-0-*	37	394	37	30	92	800	200	409
GN 1490-37-394-A5-0-*	37	394	37	30	158	1150	400	479
GN 1490-37-394-B3-0-*	37	394	37	30	92	800	200	519
GN 1490-37-394-B5-0-*	37	394	37	30	158	1150	400	659
GN 1490-37-394-A3-1-*	37	394	37	30	92	800	200	449
GN 1490-37-394-A5-1-*	37	394	37	30	158	1150	400	519
GN 1490-37-394-B3-1-*	37	394	37	30	92	800	200	559
GN 1490-37-394-B5-1-*	37	394	37	30	158	1150	400	699
GN 1490-37-394-A3-2-*	37	394	37	30	92	800	200	489
GN 1490-37-394-A5-2-*	37	394	37	30	158	1150	400	559
GN 1490-37-394-B3-2-*	37	394	37	30	92	800	200	599
GN 1490-37-394-B5-2-*	37	394	37	30	158	1150	400	739
GN 1490-37-474-A3-0-*	37	474	37	30	92	800	200	470
GN 1490-37-474-A5-0-*	37	474	37	30	158	1150	400	540
GN 1490-37-474-B3-0-*	37	474	37	30	92	800	200	580
GN 1490-37-474-B5-0-*	37	474	37	30	158	1150	400	720
GN 1490-37-474-A3-1-*	37	474	37	30	92	800	200	510
GN 1490-37-474-A5-1-*	37	474	37	30	158	1150	400	580
GN 1490-37-474-B3-1-*	37	474	37	30	92	800	200	620
GN 1490-37-474-B5-1-*	37	474	37	30	158	1150	400	760
GN 1490-37-474-A3-2-*	37	474	37	30	92	800	200	550
GN 1490-37-474-A5-2-*	37	474	37	30	158	1150	400	620
GN 1490-37-474-B3-2-*	37	474	37	30	92	800	200	660
GN 1490-37-474-B5-2-*	37	474	37	30	158	1150	400	800
GN 1490-37-554-A3-0-*	37	554	37	30	92	800	200	531
GN 1490-37-554-A5-0-*	37	554	37	30	158	1150	400	601
GN 1490-37-554-B3-0-*	37	554	37	30	92	800	200	641
GN 1490-37-554-B5-0-*	37	554	37	30	158	1150	400	781
GN 1490-37-554-A3-1-*	37	554	37	30	92	800	200	571
GN 1490-37-554-A5-1-*	37	554	37	30	158	1150	400	641
GN 1490-37-554-B3-1-*	37	554	37	30	92	800	200	681
GN 1490-37-554-B5-1-*	37	554	37	30	158	1150	400	821
GN 1490-37-554-A3-2-*	37	554	37	30	92	800	200	611
GN 1490-37-554-A5-2-*	37	554	37	30	158	1150	400	681
GN 1490-37-554-B3-2-*	37	554	37	30	92	800	200	721
GN 1490-37-554-B5-2-*	37	554	37	30	158	1150	400	861
GN 1490-37-634-A3-0-*	37	634	37	30	92	800	200	591
GN 1490-37-634-A5-0-*	37	634	37	30	158	1150	400	661
GN 1490-37-634-B3-0-*	37	634	37	30	92	800	200	701
GN 1490-37-634-B5-0-*	37	634	37	30	158	1150	400	841
GN 1490-37-634-A3-1-*	37	634	37	30	92	800	200	631
GN 1490-37-634-A5-1-*	37	634	37	30	158	1150	400	701
GN 1490-37-634-B3-1-*	37	634	37	30	92	800	200	741
GN 1490-37-634-B5-1-*	37	634	37	30	158	1150	400	881
GN 1490-37-634-A3-2-*	37	634	37	30	92	800	200	671
GN 1490-37-634-A5-2-*	37	634	37	30	158	1150	400	741
GN 1490-37-634-B3-2-*	37	634	37	30	92	800	200	781
GN 1490-37-634-B5-2-*	37	634	37	30	158	1150	400	921



Description	h1	l1 ±1	b	h2	l2 cam roller carriage	F _R per cam roller carriage in N	F _A per cam roller carriage in N	⚖
GN 1490-37-714-A3-0-*	37	714	37	30	92	800	200	652
GN 1490-37-714-A5-0-*	37	714	37	30	158	1150	400	722
GN 1490-37-714-B3-0-*	37	714	37	30	92	800	200	762
GN 1490-37-714-B5-0-*	37	714	37	30	158	1150	400	902
GN 1490-37-714-A3-1-*	37	714	37	30	92	800	200	692
GN 1490-37-714-A5-1-*	37	714	37	30	158	1150	400	762
GN 1490-37-714-B3-1-*	37	714	37	30	92	800	200	802
GN 1490-37-714-B5-1-*	37	714	37	30	158	1150	400	942
GN 1490-37-714-A3-2-*	37	714	37	30	92	800	200	732
GN 1490-37-714-A5-2-*	37	714	37	30	158	1150	400	802
GN 1490-37-714-B3-2-*	37	714	37	30	92	800	200	842
GN 1490-37-714-B5-2-*	37	714	37	30	158	1150	400	982
GN 1490-37-794-A3-0-*	37	794	37	30	92	800	200	713
GN 1490-37-794-A5-0-*	37	794	37	30	158	1150	400	783
GN 1490-37-794-B3-0-*	37	794	37	30	92	800	200	823
GN 1490-37-794-B5-0-*	37	794	37	30	158	1150	400	963
GN 1490-37-794-A3-1-*	37	794	37	30	92	800	200	753
GN 1490-37-794-A5-1-*	37	794	37	30	158	1150	400	823
GN 1490-37-794-B3-1-*	37	794	37	30	92	800	200	863
GN 1490-37-794-B5-1-*	37	794	37	30	158	1150	400	1003
GN 1490-37-794-A3-2-*	37	794	37	30	92	800	200	793
GN 1490-37-794-A5-2-*	37	794	37	30	158	1150	400	863
GN 1490-37-794-B3-2-*	37	794	37	30	92	800	200	903
GN 1490-37-794-B5-2-*	37	794	37	30	158	1150	400	1043
GN 1490-37-634-A5-2-*	37	634	37	30	158	1150	400	741
GN 1490-37-634-B3-2-*	37	634	37	30	92	800	200	781
GN 1490-37-634-B5-2-*	37	634	37	30	158	1150	400	921

Weight ZB

* Complete with material of the Linear guide rail systems (ZB or NI)

ZB Steel
NI Stainless Steel

Description	h1	l1 ±1	b	h2	l2 cam roller carriage	F _R per cam roller carriage in N	F _A per cam roller carriage in N	
GN 1490-37-874-B5-0-*	37	874	37	30	158	1150	400	1024
GN 1490-37-874-A3-1-*	37	874	37	30	92	800	200	814
GN 1490-37-874-A5-1-*	37	874	37	30	158	1150	400	884
GN 1490-37-874-B3-1-*	37	874	37	30	92	800	200	924
GN 1490-37-874-B5-1-*	37	874	37	30	158	1150	400	1064
GN 1490-37-874-A3-2-*	37	874	37	30	92	800	200	854
GN 1490-37-874-A5-2-*	37	874	37	30	158	1150	400	924
GN 1490-37-874-B3-2-*	37	874	37	30	92	800	200	964
GN 1490-37-874-B5-2-*	37	874	37	30	158	1150	400	1104
GN 1490-37-954-A3-0-*	37	954	37	30	92	800	200	835
GN 1490-37-954-A5-0-*	37	954	37	30	158	1150	400	905
GN 1490-37-954-B3-0-*	37	954	37	30	92	800	200	945
GN 1490-37-954-B5-0-*	37	954	37	30	158	1150	400	1085
GN 1490-37-954-A3-1-*	37	954	37	30	92	800	200	875
GN 1490-37-954-A5-1-*	37	954	37	30	158	1150	400	945
GN 1490-37-954-B3-1-*	37	954	37	30	92	800	200	985
GN 1490-37-954-B5-1-*	37	954	37	30	158	1150	400	1125
GN 1490-37-954-A3-2-*	37	954	37	30	92	800	200	915
GN 1490-37-954-A5-2-*	37	954	37	30	158	1150	400	985
GN 1490-37-954-B3-2-*	37	954	37	30	92	800	200	1025
GN 1490-37-954-B5-2-*	37	954	37	30	158	1150	400	1165
GN 1490-37-1034-A3-0-*	37	1034	37	30	92	800	200	895
GN 1490-37-1034-A5-0-*	37	1034	37	30	158	1150	400	965
GN 1490-37-1034-B3-0-*	37	1034	37	30	92	800	200	1005
GN 1490-37-1034-B5-0-*	37	1034	37	30	158	1150	400	1145
GN 1490-37-1034-A3-1-*	37	1034	37	30	92	800	200	935
GN 1490-37-1034-A5-1-*	37	1034	37	30	158	1150	400	1005
GN 1490-37-1034-B3-1-*	37	1034	37	30	92	800	200	1045
GN 1490-37-1034-B5-1-*	37	1034	37	30	158	1150	400	1185
GN 1490-37-1034-A3-2-*	37	1034	37	30	92	800	200	975
GN 1490-37-1034-A5-2-*	37	1034	37	30	158	1150	400	1045
GN 1490-37-1034-B3-2-*	37	1034	37	30	92	800	200	1085
GN 1490-37-1034-B5-2-*	37	1034	37	30	158	1150	400	1225
GN 1490-37-1194-A3-0-*	37	1194	37	30	92	800	200	1017
GN 1490-37-1194-A5-0-*	37	1194	37	30	158	1150	400	1087
GN 1490-37-1194-B3-0-*	37	1194	37	30	92	800	200	1127
GN 1490-37-1194-B5-0-*	37	1194	37	30	158	1150	400	1267
GN 1490-37-1194-A3-1-*	37	1194	37	30	92	800	200	1057
GN 1490-37-1194-A5-1-*	37	1194	37	30	158	1150	400	1127
GN 1490-37-1194-B3-1-*	37	1194	37	30	92	800	200	1167
GN 1490-37-1194-B5-1-*	37	1194	37	30	158	1150	400	1307
GN 1490-37-1194-A3-2-*	37	1194	37	30	92	800	200	1097
GN 1490-37-1194-A5-2-*	37	1194	37	30	158	1150	400	1167
GN 1490-37-1194-B3-2-*	37	1194	37	30	92	800	200	1207
GN 1490-37-1194-B5-2-*	37	1194	37	30	158	1150	400	1347
GN 1490-37-1434-A3-0-*	37	1434	37	30	92	800	200	1200
GN 1490-37-1434-A5-0-*	37	1434	37	30	158	1150	400	1270
GN 1490-37-1434-B3-0-*	37	1434	37	30	92	800	200	1310
GN 1490-37-1434-B5-0-*	37	1434	37	30	158	1150	400	1450
GN 1490-37-1434-A3-1-*	37	1434	37	30	92	800	200	1240
GN 1490-37-1434-A5-1-*	37	1434	37	30	158	1150	400	1310
GN 1490-37-1434-B3-1-*	37	1434	37	30	92	800	200	1350
GN 1490-37-1434-B5-1-*	37	1434	37	30	158	1150	400	1490
GN 1490-37-1434-A3-2-*	37	1434	37	30	92	800	200	1280
GN 1490-37-1434-A5-2-*	37	1434	37	30	158	1150	400	1350
GN 1490-37-1434-B3-2-*	37	1434	37	30	92	800	200	1390
GN 1490-37-1434-B5-2-*	37	1434	37	30	158	1150	400	1530

Weight ZB

MOUNTING HOLES, FASTENING SCREWS

During assembly, all mounting slots in the guide rail and the fastening thread on the cam roller carriage must be used. This ensures that the forces resulting from the maximum load FL / FA are reliably transferred to the surrounding structure. Failure to use fastening screws reduces the load capacity accordingly. Other production-related holes in the guide rails are not shown. Various screws with M5 threads can be used for mounting the cam roller carriages. In contrast, the guide rail must be mounted with the screws listed in the table. It is generally recommended to use screws of strength class 8.8 in accordance with the specified tightening torque. The maximum torque for the accompanying countersunk screws of the end stops is 4-5 Nm, which results in the highest retaining force without deforming the guide rails.

The pre-installed rubber stops are automatically clamped by the countersunk screws and dampen the stops of the roller carriages at the respective end points.

Designation - standard	Inner slide
Hexagon socket countersunk head screw DIN 7991	M 4 / M 5
Countersunk screw, Phillips DIN 965	M 4 / M 5
Countersunk screw, Phillips DIN 7997	Size 4.5 / 5

LUBRICATION AND MAINTENANCE

The running surfaces of the guide rails must be lubricated with roller bearing grease before the first use. Possible lubricating greases include Cassida Grease GTX 2, Shell Gadus S2 V220 and Alvania EP 1 or Klüberplex BE 31-222. In food or pharmaceutical applications, FDA-compliant lubricating greases of class H1 or higher must be used as necessary. The grease should be distributed evenly over the entire length of the rail using a paintbrush. After 50,000 cycles, the rails should be cleaned with a clean cloth and relubricated. If there is risk of soiling, the maintenance intervals should be shortened. In principle, however, soiling should be prevented with measures such as suitable covers or optimal positioning of the linear guide rail systems.

