Ordering key

The ordering key on the following tables supports the selecting of complete systems, carriages, rails and accessories.

NOTE: Carriage and rail types marked in **RED** represent the preferred range, meaning they are usually available from stock for prompt delivery. Accessories although not being marked in RED are usually available for prompt deliveries as well.

Ordering key LLU system

LLUH	S	35	R	2	T2	1000	P01	A	D4	E0	M	S1	C	TLL	M

LLU roller profile rail guide

Type code

C	Carriage (carriage only)[1]
R	Rail (rail only)[1]
S	System[2]
Z	Accessories (if ordered separately)[1]

Size

25, **35**, **45**, 55, 65

Carriage type

A	Flanged carriage, standard length, standard height
LA	Flanged carriage, extended length, standard height
R	Slim-line carriage, standard length, extended height
LR	Slim-line carriage, extended length, extended height

Number of carriages per rail

1, 2, 4, 6, …

Preload class

T2	Medium preload, 8% C
T3	Heavy preload, 13% C

Rail length

Maximum rail length without joint: 4 000 mm; in 1 mm increments[3]

Precision class

P3	Medium
P1	High
P01	Super
P001	Ultra

Joint rails

–	If not selected, no code
A	Yes

Rail

–	Standard rail with plastic caps, no code
D	Rail, if customized according to drawing number
D4	Rail with blind holes
D6	Rail with brass plugs
D8	Rail with steel plugs

Distance between end face and first mounting hole of the rail [3]

ES	The holes at both rail ends will be positioned equidistantly from either end of the rail using the EStd dimension. This results in predefined rail lengths, details see **page 41**.
E0	The holes at both rail ends will be positioned equidistantly from either end of the rail with the shortest possible “E” dimension.
Exx	“E” dimension to be specified

LLUH	S	35	R	2	T2	1000	P01	A	D4	E0	M	S1	C	TLL	M

System (Carriage mounted on rail)

–	If not selected, no code
M	Yes

Additional sealing, as part of the system (for separate parts see Ordering Key Accessories)

S1	Scraper plate
S3	Seal kit, additional front seal NBR with scraper plate
S4	Additional front seal FKM
S7	Additional front seal NBR
S8	Seal kit, additional front seal FKM with scraper plate

Number of additional seals

C	Two additional seals per carriage
S	Two additional seals per system, only outer sides of carriages are additionally sealed

Top lubrication (details and definition see page 48)

–	If not selected, no code
TLL	Left end plate modified plus adaptor for lubrication from top
TLR	Right end plate modified plus adaptor for lubrication from top
TLB	Both end plates modified plus two adaptors for lubrication from top

Mounting of accessories[4]

–	Not mounted, no code
M	Accessories mounted on the carriages

Preferred range

[1] When ordered separately (not in a system)
[2] System can consist of one rail, one or more carriages and accessories
[3] For details and more information please refer to **page 41**
[4] Can only be selected when option "Carriage mounted on rail" is ordered

Ordering key LLU carriages

LLUH	C	35	R	T2	P01	TLL

Carriage size

25, **35**, **45**, 55, 65

Carriage type

A	Flanged carriage, standard length, standard height
LA	Flanged carriage, extended length, standard height
R	Slim-line carriage, standard length, extended height
LR	Slim-line carriage, extended length, extended height

Preload class

T2	Medium preload, 8% C
T3	Heavy preload, 13% C

Precision class

P3	Medium
P1	High
P01	Super
P001	Ultra[1]

Top lubrication (details and definition see page 48)

–	If not selected, no code
TLL	Left end plate modified plus adaptor for lubrication from top
TLR	Right end plate modified plus adaptor for lubrication from top
TLB	Both end plates modified plus adaptor for lubrication from top

Preferred range

[1] Can only be ordered as a complete system

Ordering key LLU rails

LLUH	R	35	1000	P01	A	D4	E0

Rail size
25, **35**, **45**, 55, 65

Rail length
Maximum rail length without joint: 4000 mm; in 1 mm increments[1)]

Precision class

P3	Medium
P1	High
P01	Super
P001	Ultra[5)]

Joint rails[2)]

–	If not selected, no code
A	Yes

Rail[3)]

–	Standard rail with plastic caps, no code
D4	Rail with blind holes
D6	Rail with brass plugs[4)]
D8	Rail with steel plugs[4)]
D	Rail, if customized according to drawing number

Distance between end face and the center of the first mounting hole of the rail[1)]

ES	The holes at both rail ends will be positioned equidistantly from either end of the rail using the EStd dimension. This results in predefined rail lengths, details see **page 41**.
E0	The holes at both rail ends will be positioned equidistantly from either end of the rail with the shortest possible “E” dimension.
Exx	“E” dimension to be specified.

[1)] For details and more information please refer to **page 41**
[2)] Only if required rail length exceeds the maximum available rail length
[3)] Plastic and metal plugs are available as spare parts, please see **Ordering Key Accessories**
[4)] Mounting Tools are separately available, please see **Ordering Key Accessories**
[5)] Can only be ordered as a complete system

Preferred range

Ordering key LLU accessories

LLUH	Z	35	S1

Size
25, 35, 45, 55, 65

Accessories:

Additional sealing options

S1	Scraper plate
S3	Seal kit, additional front seal NBR with scraper plate
S4	Additional front seal FKM
S7	Additional front seal NBR
S8	Seal kit, additional front seal FKM with scraper plate

Assembly tools for metal plugs

25-45 D6	Assembly tool for sizes 25, 35 and 45
45-65 D6	Assembly tool for sizes 45, 55 and 65

Caps and plugs as spare parts

VP	Set of 40 plastic caps
TD6	Set of 40 brass plugs
TD8	Set of 40 steel plugs

Grease nipples[1)]

25-65 VN-M6	Standard grease nipple, straight
25-65 VN-M6-45	Grease nipple, 45 degrees
25-65 VN-M6-90	Grease nipple, 90 degrees

Adaptors[1)]

25-65 VN UA	Lubrication connector, extension M6 to M6
25-65 VN UB	Reduction fitting, from G1/8 to M6
25-65 VN UC	Reduction fitting, from M8x1 to M6

Quick lubrication couplings[1)]

25-65 VN SC	Lubrication coupling, straight
25-65 VN AC	Adjustable coupling, 90 degrees

Adaptors for top lubrication (as spare part)

VN TL1	for A, LA carriage, O-ring (size 25 - 55), O-ring + adaptor (size 65)
VN TL2	for R, LR carriage, O-ring + adapter