

SNS/SNO with cover strip and strip clamps

R1805 .3. .. / R1805 .B. ..



For mounting from above, with cover strip made of corrosion-resistant spring steel per EN 10088 and strip clamps made of aluminum (without front-side thread bore hole)

Notes

- ▶ Secure the cover strip!
- ▶ Strip clamps included in scope of delivery.
- ▶ Observe the instruction for mounting!
- ▶ Please request the "Mounting instructions for roller rail systems" and "Mounting instructions for cover strip".
- ▶ Composite roller guide rail also available.

Roller guide rails R1805 .B. .. with smooth mounting surfaces from cast mineral parts

In size 35–65 and available in accuracy class H, P, SP, GP, UP upon request.

Material numbers

Size	Roller guide rail with size	Accuracy class					Number of sections		Hole spacing T (mm)	Recommended rail lengths	
		H	P	SP	GP	UP	One-piece	Composite		$L = n_B \cdot T - 4 \text{ mm}$	Maximum number of bore holes n_B
25	R1805 23	3	2	1	8	9	31,	3, ...	30.0		133
35	R1805 33	3	2	1	8	9	61,	6, ...	40.0		100
45	R1805 43	3	2	1	8	9	61,	6, ...	52.5		76
55	R1805 53	3	2	1	8	9	61,	6, ...	60.0		66
65	R1805 63	3	2	1	8	9	61,	6, ...	75.0		53

Ordering example 1 (up to L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length

$L = 1676 \text{ mm}$

Material number:

R1805 332 61, 1676 mm

Ordering example 2 (beyond L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ Multi-part (2 parts)
- ▶ Rail length

$L = 5036 \text{ mm}$

Material number:

R1805 332 62, 5036 mm

Ordering example 3 (up to L_{\max} with smooth surface)

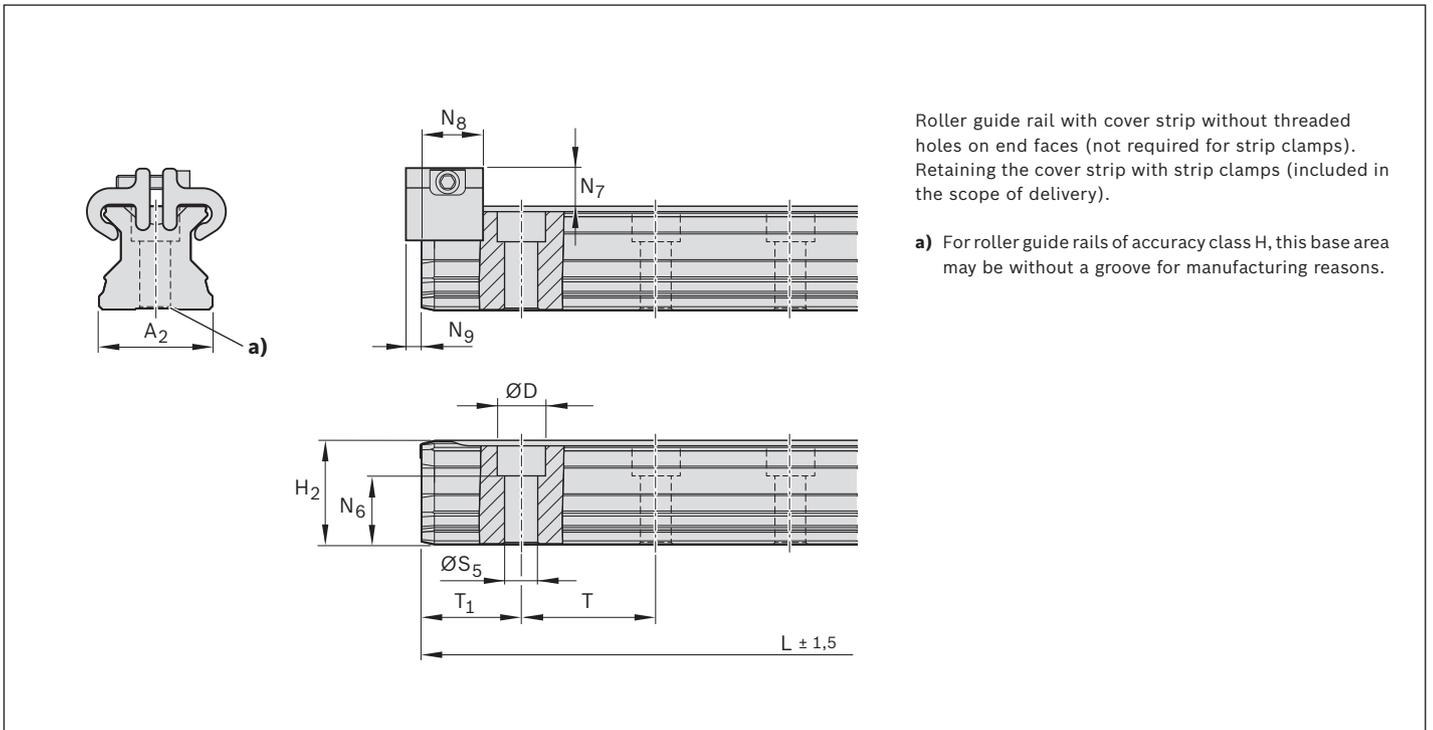
Options:

- ▶ Roller guide rail SNO
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length

$L = 1676 \text{ mm}$

Material number:

R1805 3B2 61, 1676 mm



Roller guide rail with cover strip without threaded holes on end faces (not required for strip clamps). Retaining the cover strip with strip clamps (included in the scope of delivery).

a) For roller guide rails of accuracy class H, this base area may be without a groove for manufacturing reasons.

Dimensions (mm)

Size	A ₂	D	H ₂ ¹⁾	L _{max} ²⁾	N ₆ ^{±0.5}	N ₇ ³⁾	N ₈	N ₉	S ₅	T _{1 min}	T _{1 max}	T _{1 S} ⁴⁾	T	Mass (kg/m)
25	23	11	23.60	3986	14.3	8.2	13	2.0	7	13	20.0	13.00	30.0	3.1
35	34	15	31.10	3996	19.4	11.7	16	2.2	9	16	28.0	18.00	40.0	6.3
45	45	20	39.10	3986	22.4	12.5	18	2.2	14	18	36.5	24.25	52.5	10.3
55	53	24	47.85	3956	28.7	14.0	17	3.2	16	20	42.0	28.00	60.0	13.1
65	63	26	58.15	3971	36.5	15.0	17	3.2	18	21	55.0	35.50	75.0	17.4

1) Dimension H₂ with cover strip

Size 25 with cover strip 0.2 mm

Size 35 with cover strip 0.3 mm

2) Size 35: also deliverable as one piece up to a length of 5996 mm

Size 45: also deliverable as one piece up to a length of 5981 mm

Size 55: also deliverable as one piece up to a length of 5936 mm

Size 65: also deliverable as one piece up to a length of 5921 mm

3) Dimension N₇ with cover strip

4) Preferred dimension T_{1S} with tolerances ± 0.75

SNS/SNO with cover strip and protective caps

R1805 .6. .. / R1805 .D. ..



For mounting from above, with cover strip made of corrosion-resistant spring steel per EN 10088 and screw-down plastic protective caps (with threaded mounting holes on end faces)

Notes

- ▶ As an alternative, the cover strip can be secured with screws and washers.
- ▶ Protective caps with screws and washers are included in the scope of delivery.
- ▶ Observe the instruction for mounting!
- ▶ Please request the "Mounting instructions for roller rail systems" and "Mounting instructions for cover strip".
- ▶ Composite roller guide rail also available.

Roller guide rails R1805 .D. .. with smooth base area for mounting surfaces from cast mineral parts
In size 35–65 and available in accuracy class H, P, SP, GP, UP upon request.

Material numbers

Size	Roller guide rail with size	Accuracy class					Number of sections		Hole spacing T (mm)	Recommended rail lengths	
		H	P	SP	GP	UP	One-piece	Composite		$L = n_B \cdot T - 4 \text{ mm}$	Maximum number of bore holes n_B
25	R1805 26	3	2	1	8	9	31,	3., ...	30.0		133
35	R1805 36	3	2	1	8	9	61,	6., ...	40.0		100
45	R1805 46	3	2	1	8	9	61,	6., ...	52.5		76
55	R1805 56	3	2	1	8	9	61,	6., ...	60.0		66
65	R1805 66	3	2	1	8	9	61,	6., ...	75.0		53

Ordering example 1 (up to L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length
L = 1676 mm

Material number:

R1805 362 61, 1676 mm

Ordering example 2 (beyond L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ Multi-part (2 parts)
- ▶ Rail length
L = 5036 mm

Material number:

R1805 362 62, 5036 mm

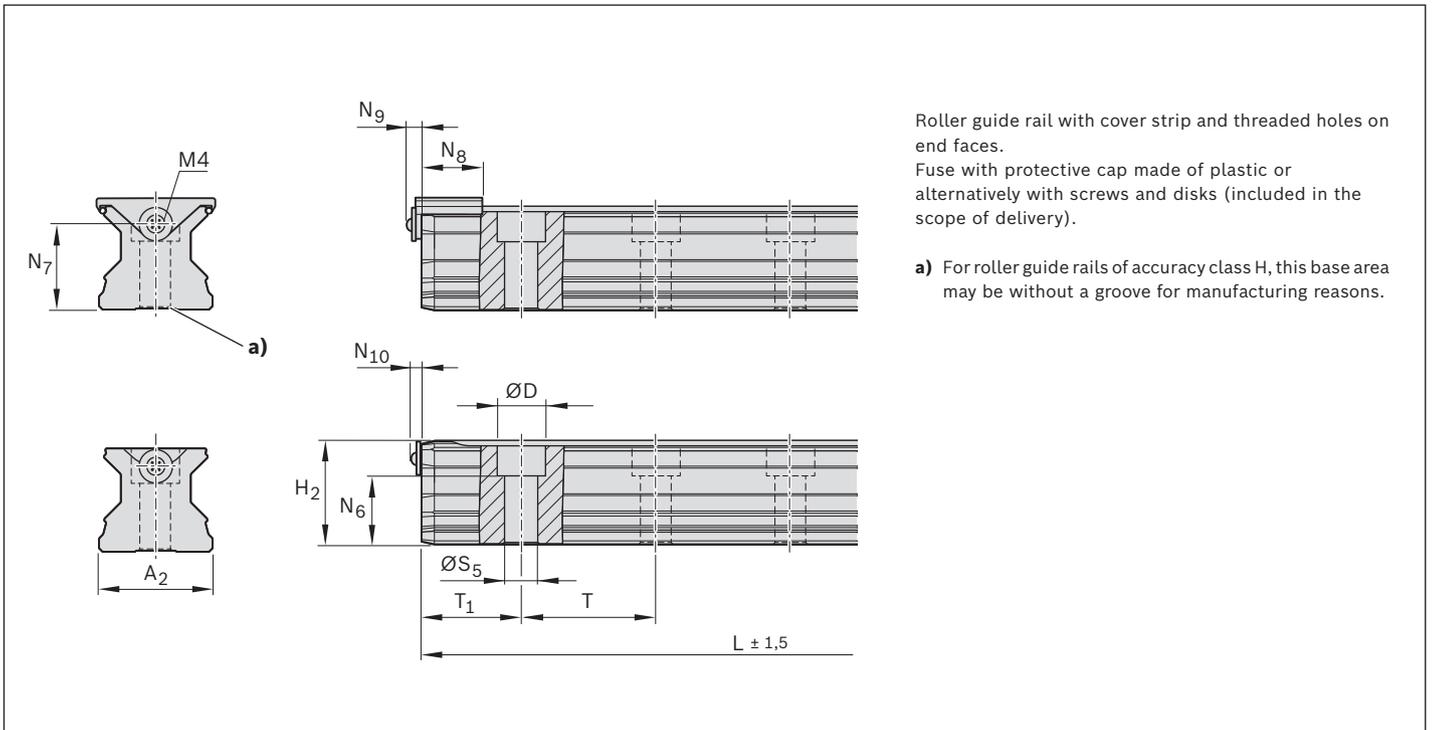
Ordering example 3 (up to L_{\max} with smooth surface)

Options:

- ▶ Roller guide rail SNO
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length
L = 1676 mm

Material number:

R1805 3D2 61, 1676 mm


Dimensions (mm)

Size	A ₂	D	H ₂ ¹⁾	L _{max} ²⁾	N ₆ ^{±0.5}	N ₇	N ₈	N ₉	N ₁₀	S ₅	T _{1min}	T _{1max}	T _{1S} ^{3) 4)}	T	Mass (kg/m)
25	23	11	23.60	3986	14.3	15	15.2	6.5	4.10	7	13	20.0	13.00	30.0	3.1
35	34	15	31.10	3996	19.4	22	18	7.0	4.10	9	16	28.0	18.00	40.0	6.3
45	45	20	39.10	3986	22.4	30	20	7.0	4.10	14	18	36.5	24.25	52.5	10.3
55	53	24	47.85	3956	28.7	30	20	7.0	4.35	16	20	42.0	28.00	60.0	13.1
65	63	26	58.15	3971	36.5	40	20	7.0	4.35	18	21	55.0	35.50	75.0	17.4

- 1) Dimension H₂ with cover strip
 Size 25 with cover strip 0.2 mm
 Size 35 with cover strip 0.3 mm
- 2) Size 35: also deliverable as one piece up to a length of 5996 mm
 Size 45: also deliverable as one piece up to a length of 5981 mm
 Size 55: also deliverable as one piece up to a length of 5936 mm
 Size 65: also deliverable as one piece up to a length of 5921 mm
- 3) Preferred dimension T_{1S} with tolerances ± 0.75
- 4) When undercutting T_{1min}, no front-side thread possible. Secure the cover strip! See instruction for mounting

SNS/SNO for cover strip

R1805 .2. 3./R1805 .A. 3.



For mounting from above, for cover strip (not included in scope of delivery)

Notes

- ▶ Secure the cover strip!
- ▶ Order cover strip and strip clamps or protective caps separately. See section entitled "Accessories" for material numbers and dimensions.
- ▶ Observe the instruction for mounting!
- ▶ Please request the "Mounting instructions for roller rail systems" and "Mounting instructions for cover strip".
- ▶ Composite roller guide rail also available.

Roller guide rails R1805 .A. 3. .. with smooth base for mounting surfaces from cast mineral parts
In size 35–65 and available in accuracy class H, P, SP, GP, UP upon request.

Material numbers

Size	Roller guide rail with size	Accuracy class					Number of sections		Hole spacing T (mm)	Recommended rail lengths	
		H	P	SP	GP	UP	One-piece	Composite		$L = n_B \cdot T - 4 \text{ mm}$	Maximum number of bore holes n_B
25	R1805 22	3	2	1	8	9	31,	3., ...	30.0		133
35	R1805 32	3	2	1	8	9	31,	3., ...	40.0		100
45	R1805 42	3	2	1	8	9	31,	3., ...	52.5		76
55	R1805 52	3	2	1	8	9	31,	3., ...	60.0		66
65	R1805 62	3	2	1	8	9	31,	3., ...	75.0		53

Ordering example 1 (up to L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length
L = 1676 mm

Material number:

R1805 322 31, 1676 mm

Ordering example 2 (beyond L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ Multi-part (2 parts)
- ▶ Rail length
L = 5036 mm

Material number:

R1805 322 32, 5036 mm

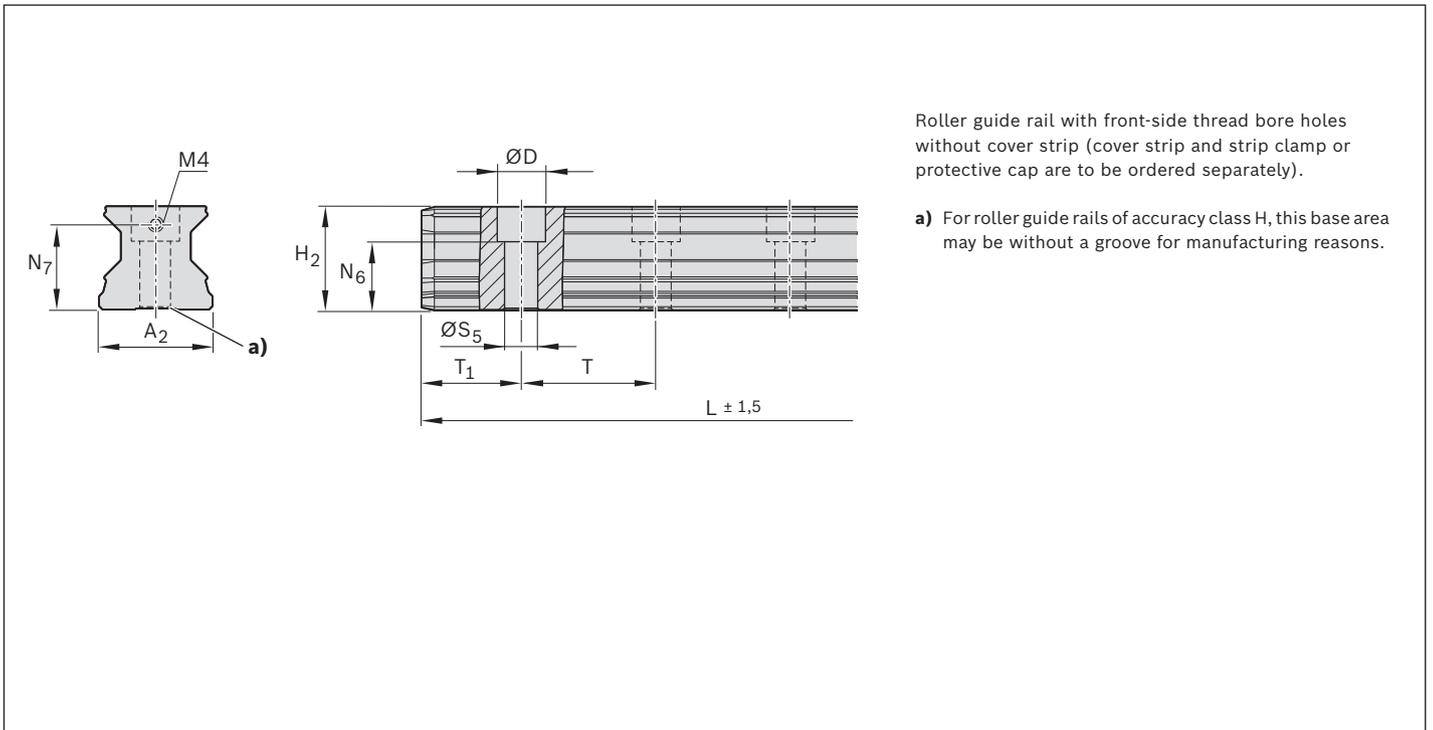
Ordering example 3 (up to L_{\max} with smooth surface)

Options:

- ▶ Roller guide rail SNO
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length
L = 1676 mm

Material number:

R1805 3A2 31, 1676 mm


Dimensions (mm)

Size	A ₂	D	H ₂	L _{max} ¹⁾	N ₆ ^{±0.5}	N ₇	S ₅	T _{1 min}	T _{1 max}	T _{1 s} ^{2) 3)}	T	Mass (kg/m)
25	23	11	23.40	3986	14.3	15	7	13	20.0	13.00	30.0	3.1
35	34	15	30.80	3996	19.4	22	9	16	28.0	18.00	40.0	6.3
45	45	20	38.80	3986	22.4	30	14	18	36.5	24.25	52.5	10.3
55	53	24	47.55	3956	28.7	30	16	20	42.0	28.00	60.0	13.1
65	63	26	57.85	3971	36.5	40	18	21	55.0	35.50	75.0	17.4

- 1) Size 35: also deliverable as one piece up to a length of 5996 mm
 Size 45: also deliverable as one piece up to a length of 5981 mm
 Size 55: also deliverable as one piece up to a length of 5936 mm
 Size 65: also deliverable as one piece up to a length of 5921 mm
- 2) Preferred dimension T_{1s} with tolerances ± 0.75
- 3) When undercutting T_{1 min}, no front-side thread possible. Secure the cover strip! See instruction for mounting

SNS/SNO with plastic mounting hole plugs

R1805 .5. 3./R1805 .C. 3.



For mounting from above with plastic mounting hole plugs

Notes

- ▶ Plastic mounting hole plugs included in scope of supply.
- ▶ Observe the instruction for mounting!
- ▶ Please ask for the "Mounting Instructions for roller rail systems".
- ▶ Composite roller guide Rail also available.

Roller guide rails R1805 .C. 3. .. with smooth base area for mounting surfaces from cast mineral parts
In size 35–65 and available in accuracy class H, P, SP, GP, UP upon request.

Material numbers

Size	Roller guide rail with size	Accuracy class					Number of sections		Hole spacing T (mm)	Recommended rail lengths	
		H	P	SP	GP	UP	One-piece	Composite		$L = n_B \cdot T - 4 \text{ mm}$	Maximum number of bore holes n_B
25	R1805 25	3	2	1	8	9	31,	3, ...	30.0		133
35	R1805 35	3	2	1	8	9	31,	3, ...	40.0		100
45	R1805 45	3	2	1	8	9	31,	3, ...	52.5		76
55	R1805 55	3	2	1	8	9	31,	3, ...	60.0		66
65	R1805 65	3	2	1	8	9	31,	3, ...	75.0		53

Ordering example 1 (up to L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length

$L = 1676 \text{ mm}$

Material number:

R1805 352 31, 1676 mm

Ordering example 2 (beyond L_{\max})

Options:

- ▶ Roller guide rail SNS
- ▶ Size 35
- ▶ Accuracy class P
- ▶ Multi-part (2 parts)
- ▶ Rail length

$L = 5036 \text{ mm}$

Material number:

R1805 352 32, 5036 mm

Ordering example 3 (up to L_{\max} with smooth surface)

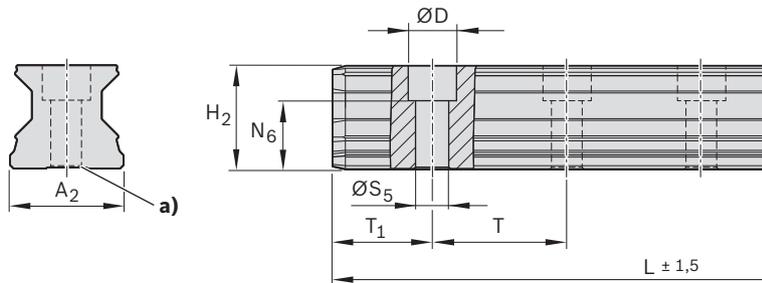
Options:

- ▶ Roller guide rail SNO
- ▶ Size 35
- ▶ Accuracy class P
- ▶ One-piece
- ▶ Rail length

$L = 1676 \text{ mm}$

Material number:

R1805 3C2 31, 1676 mm



Mounting hole plugs made of plastic are delivered with the roller guide rail and are also available as accessories.

For mounting plastic mounting hole plugs, see "Mounting instructions for roller rail systems"

a) For roller guide rails of accuracy class H, this base area may be without a groove for manufacturing reasons.

Dimensions (mm)

Size	A ₂	D	H ₂	L _{max} ¹⁾	N ₆ ^{±0,5}	S ₅	T _{1 min}	T _{1 max}	T _{1 S} ²⁾	T	Mass (kg/m)
25	23	11	23.40	3986	14.3	7	10	20.0	13.00	30.0	3.1
35	34	15	30.80	3996	19.4	9	12	28.0	18.00	40.0	6.3
45	45	20	38.80	3986	22.4	14	16	36.5	24.25	52.5	10.3
55	53	24	47.55	3956	28.7	16	18	42.0	28.00	60.0	13.1
65	63	26	57.85	3971	36.5	18	20	55.0	35.50	75.0	17.4

- 1) Size 35: also deliverable as one piece up to a length of 5996 mm
 Size 45: also deliverable as one piece up to a length of 5981 mm
 Size 55: also deliverable as one piece up to a length of 5936 mm
 Size 65 and 65/100: also deliverable as one piece up to a length of 5921 mm
- 2) Preferred dimension T_{1S} with tolerances ± 0.75