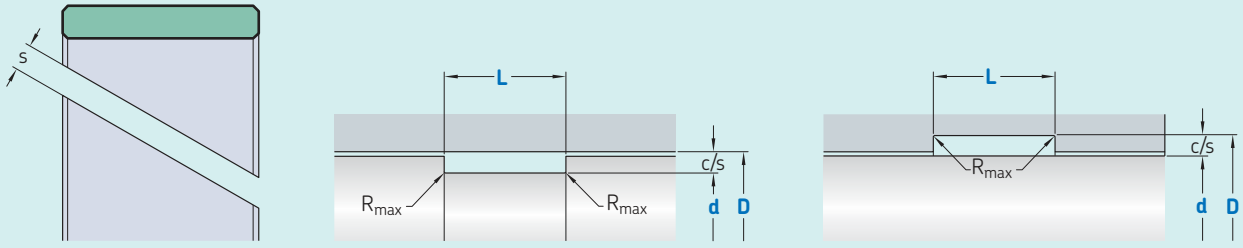
F01



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions Inside dynamic surface			**Standard dimensions Outside dynamic surface**					
d f8		D H9	D H9		d f8	c/s	L + 0,2	R_{max}
over	incl.		over	incl.				
mm			mm					
6	**30**	d + 3	**6**	**30**	D – 3	1,5	4,0	0,3
30	**50**	d + 3	**30**	**50**	D – 3	1,5	5,6	0,3
50	**100**	d + 5	**50**	**100**	D – 5	2,5	9,7	0,3
100	**800**	d + 5	**100**	**800**	D – 5	2,5	15,0	0,3
800		d + 8	**800**		D – 8	4,0	25,0	0,3

* Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F01**
d x D x L [mm]	**100 x 105 x 2,5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25
SKF Ecotex	–40	+120	1	90

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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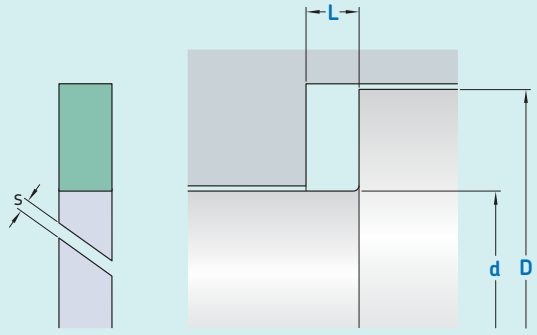
F02



Ordering dimensions in **blue**

Sealing material Surface roughness	**TPU / Elastomers** R_{tmax}	 R_a	**PTFE** R_{tmax}	 R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions
Minimum nominal inside diameter d ≥ 3 mm.

This is not a standard profile and serves as a replacement for an existing installation space. New constructions should use standard profiles.

Ordering example

Profile	**Guide ring F02**
d x D x L [mm]	**100 x 105 x 2,5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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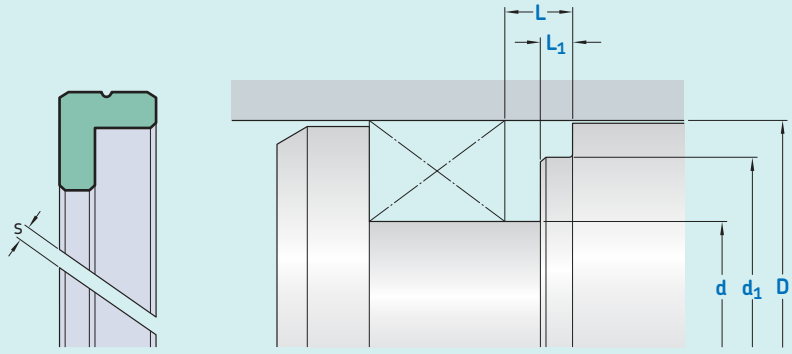
F03



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

D H9 over	D H9 incl.	d[1)] h10	d_1 h8	L + 0,2	L_1 + 0,2
mm					
20	**50**	D – 10	D – 3	6,5	4,0
50	**80**	D – 15	D – 4	8,0	4,0
80	**150**	D – 20	D – 5	10,5	5,5
150	**400**	D – 25	D – 6	13,4	7,0
400	**750**	D – 30	D – 8	14,2	7,0
750		D – 40	D – 8	15,0	7,0

Basic version: with a cutting gap s > 0 allow no supporting function. For supporting function a cutting gap s = 0 and a spiral groove is used.

1) Cross section usually depends on the seal profile. Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F03**
D x d/d_1 x L/L_1 [mm]	**100 x 80/95 x 10,5/5,5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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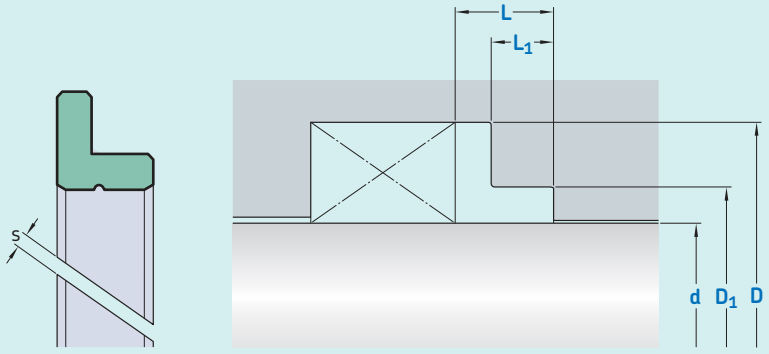
F04



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	d f8 incl.	D[1] H10	D_1 H8	L + 0,2	L_1 + 0,2
mm					
4	**50**	d + 10	d + 3	6,5	4,0
50	**80**	d + 15	d + 4	8,0	4,0
80	**150**	d + 20	d + 5	10,5	5,5
150	**400**	d + 25	d + 6	13,4	7,0
400	**750**	d + 30	d + 8	14,2	7,0
750		d + 40	d + 8	15,0	7,0

Basic version: with a cutting gap s > 0 allow no supporting function. For supporting function a cutting gap s = 0 and a spiral groove is used.
[1] Cross section usually depends on the seal profile. cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F04**
d x D/D_1 x L/L_1 [mm]	**100 x 80/95 x 10,5/5,5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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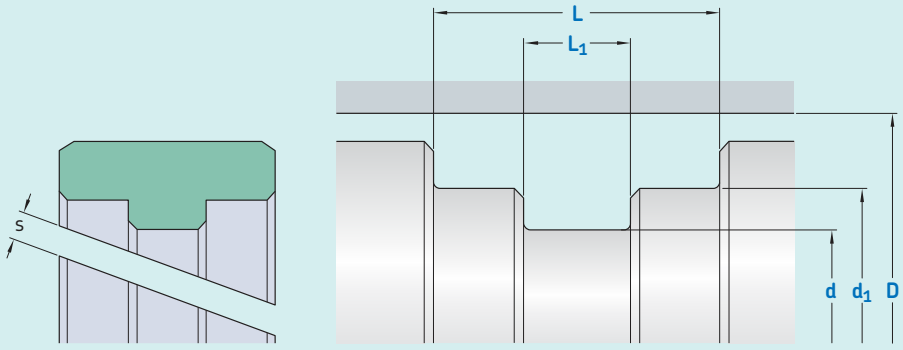
F05



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

D H9 over	D H9 incl.	d h10	d_1 h8	d_2	L + 0,2	L_1 + 0,2
mm						
28	**36**	D – 6,0	D – 2,8	D – 0,35	8,5	3,0
36	**60**	D – 7,5	D – 3,2	D – 0,40	10,5	3,5
60	**90**	D – 9,0	D – 3,5	D – 0,50	15,0	5,0
90	**150**	D – 9,0	D – 3,5	D – 0,60	15,0	5,0
150	**200**	D – 16,0	D – 7,1	D – 0,70	20,3	8,0
200		D – 17,0	D – 7,5	D – 0,80	25,0	8,0

* Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F05**
D x d/d_1 x L/L_1 [mm]	**100 x 91/96,5 x 15/5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	4,5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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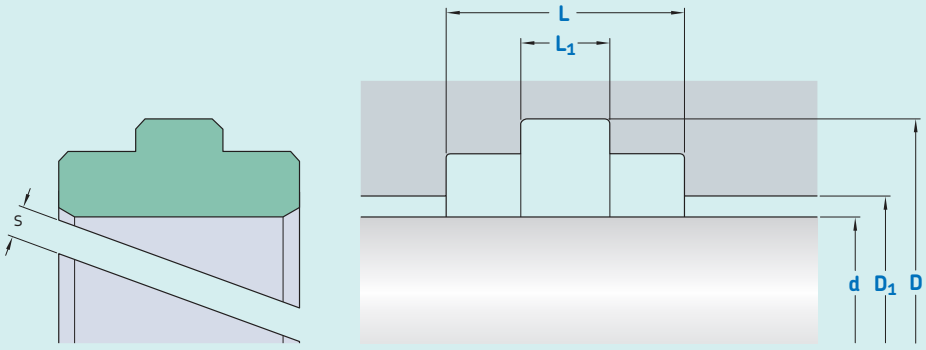
F06



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

d f8 over	incl.	D H10	D_1 H8	D_2	L + 0,2	L_1 + 0,2
mm						
5	**36**	d + 6,0	d + 2,8	d + 0,35	8,5	3,0
36	**60**	d + 7,5	d + 3,2	d + 0,40	10,5	3,5
60	**90**	d + 9,0	d + 3,5	d + 0,50	15,0	5,0
90	**150**	d + 9,0	d + 3,5	d + 0,60	15,0	5,0
150	**200**	d + 16,0	d + 7,1	d + 0,70	20,3	8,0
200		d + 17,0	d + 7,5	d + 0,80	25,0	8,0

* Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F06**
d x D/D_1 x L/L_1 [mm]	**100 x 109/103,5 x 15/5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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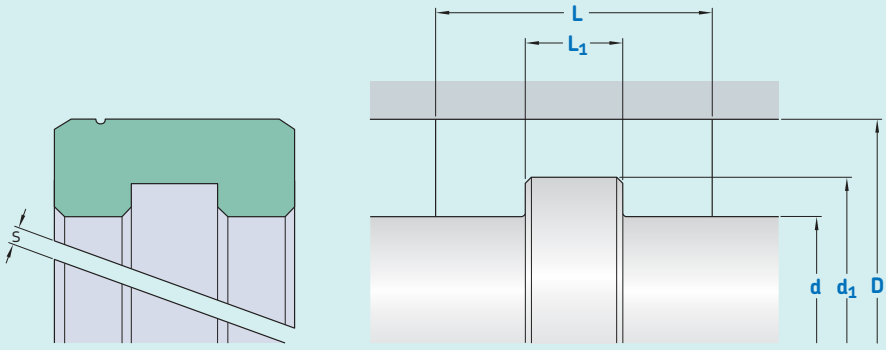
F07



Ordering dimensions in **blue**

Sealing material Surface roughness	**TPU / Elastomers** R_{tmax}	 R_a	**PTFE** R_{tmax}	 R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

Minimum nominal inside diameter
d ≥ 22 mm.

Depending on the application, the geometry of the guide element should be adapted to the type of application. Because uncut versions would be pointless for assembly reasons, rotating applications should to be avoided. Standard version with cutting gap s > 0 do not allow a supporting function. For a supporting function a cutting gap of s = 0 and a spiral groove is provided. Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F07**
D x d/d_1 x L/L_1 [mm]	**100 x 91/96,5 x 15/5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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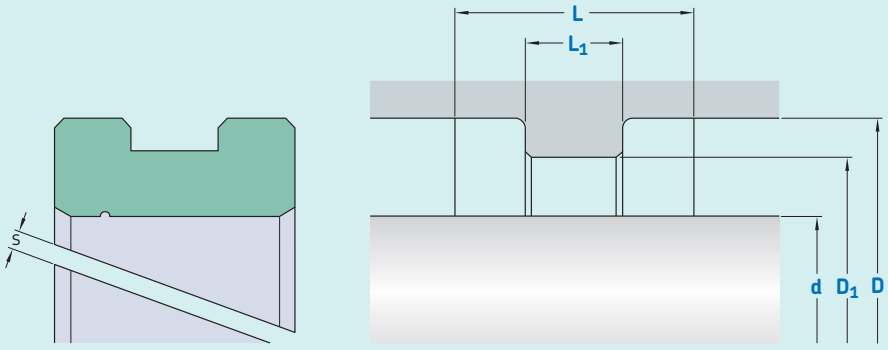
F08



Ordering dimensions in **blue**

Sealing material	**TPU / Elastomers**		**PTFE**	
Surface roughness	R_{tmax}	R_a	R_{tmax}	R_a
	µm			
Sliding surface	≤ 2,5	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

Standard dimensions

Minimum nominal inside diameter d ≥ 22 mm.

Depending on the application, the geometry of the guide element should be adapted to the type of application (please refer to the profile description – Seal housing). Because uncut versions would be pointless for assembly reasons, rotating applications should to be avoided. Standard version with cutting gap s > 0 do not allow a supporting function. For a supporting function a cutting gap of s = 0 and a spiral groove is provided. Cutting gap s → values depend on material and temperature. For detailed information please contact SKF.

Ordering example

Profile	**Guide ring F08**
D x d/d_1 x L/L_1 [mm]	**100 x 109/103,5 x 15/5**
Guide ring material	**SKF Ecotal**

Operating parameters

Material Guide ring[3]	Temperature		Speed[1]	Specific load[2]
	from	to	max	
	°C		m/s	N/mm²
SKF Ecoflon 2	–200	+200	4	3
SKF Ecoflon 3	–200	+200	5	5
SKF Ecotal	–50	+100	1	25
SKF Ecomid	–40	+110	1	25

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.
1) Surface speed limit values are valid only in the presence of a lubrication film.
2) Depending on temperature and allowed compression. Contact SKF for more information.
3) Size limitation D: Up to 260 mm SKF Ecotal, from 260 – 400 mm SKF Ecotal or SKF Ecomid and above 400 mm SKF Ecomid.

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