

Aluminium blank

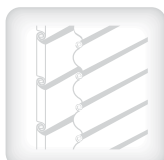
anodised
powder coated
coil or plastic coated

Steel galvanised

powder coated
coil coated
plastic coated

Stainless steel

V2A
V4A

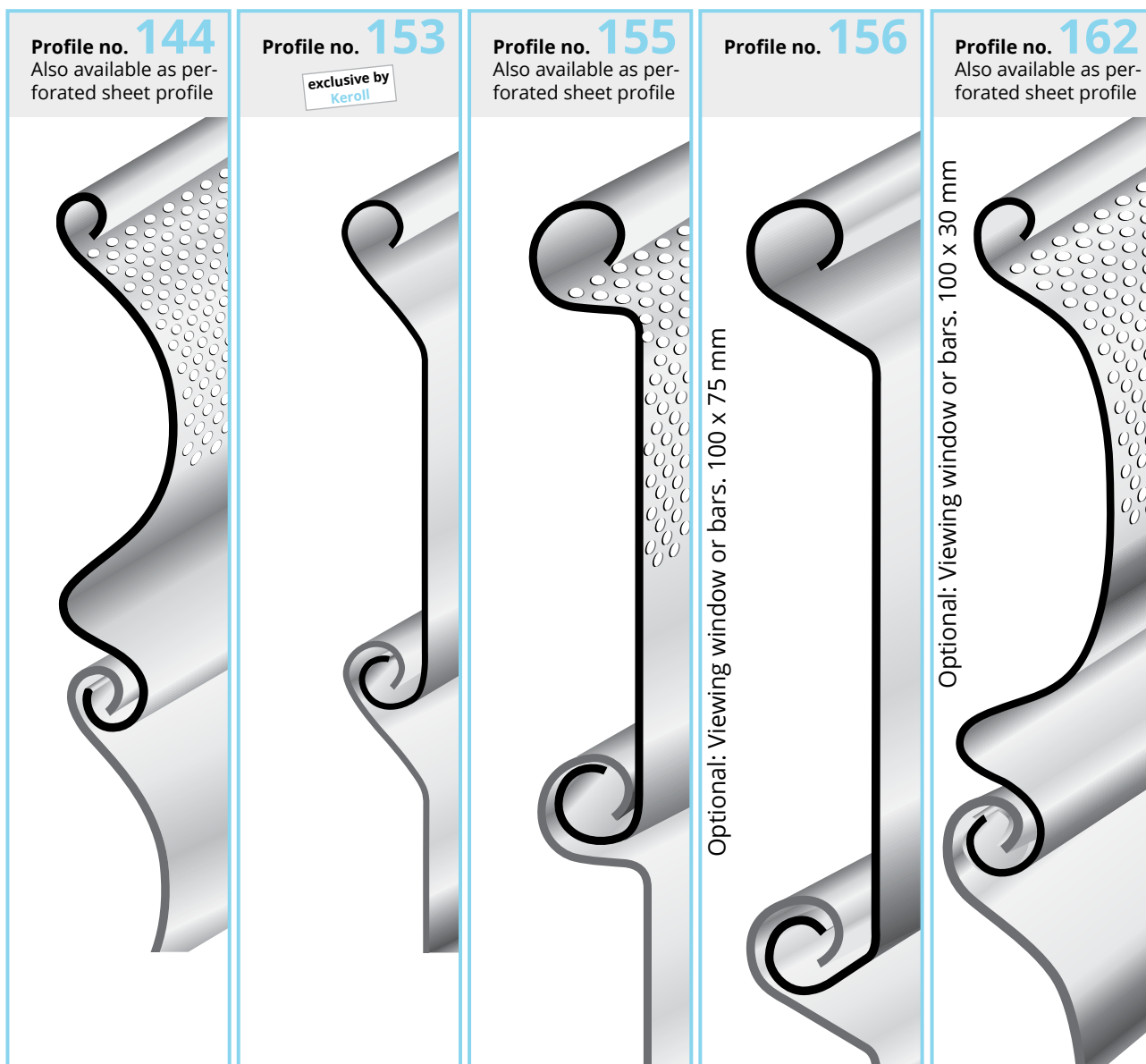


There are as many different versions of **Keroll** - roller shutters as there are applications: Gates for industrial buildings, logistic companies, for underground, large and private garages or for protecting shop windows and doors. The design is accordingly determined by the intended use: single-walled profiles for ordinary situations, double-walled profiles for greater insulation, as a perforated sheet profile or with grill punching for ventilation purposes, with windows for increased light penetration and coloured profiles for an attractive appearance. In common with all gate systems produced by the **Keroll**, each roller shutter is constructed individually according to customer requirements and the specific installation situation – this helps to determine the appropriate drive and control systems! Whether you are looking for a complete system, a new curtain or single replacement bars – **Keroll** has the right gate!



Single-walled

Profile cross-sections scale 1:1



Profiles cold-rolled

Technical data, weights and available guide rails for single-walled roller shutters

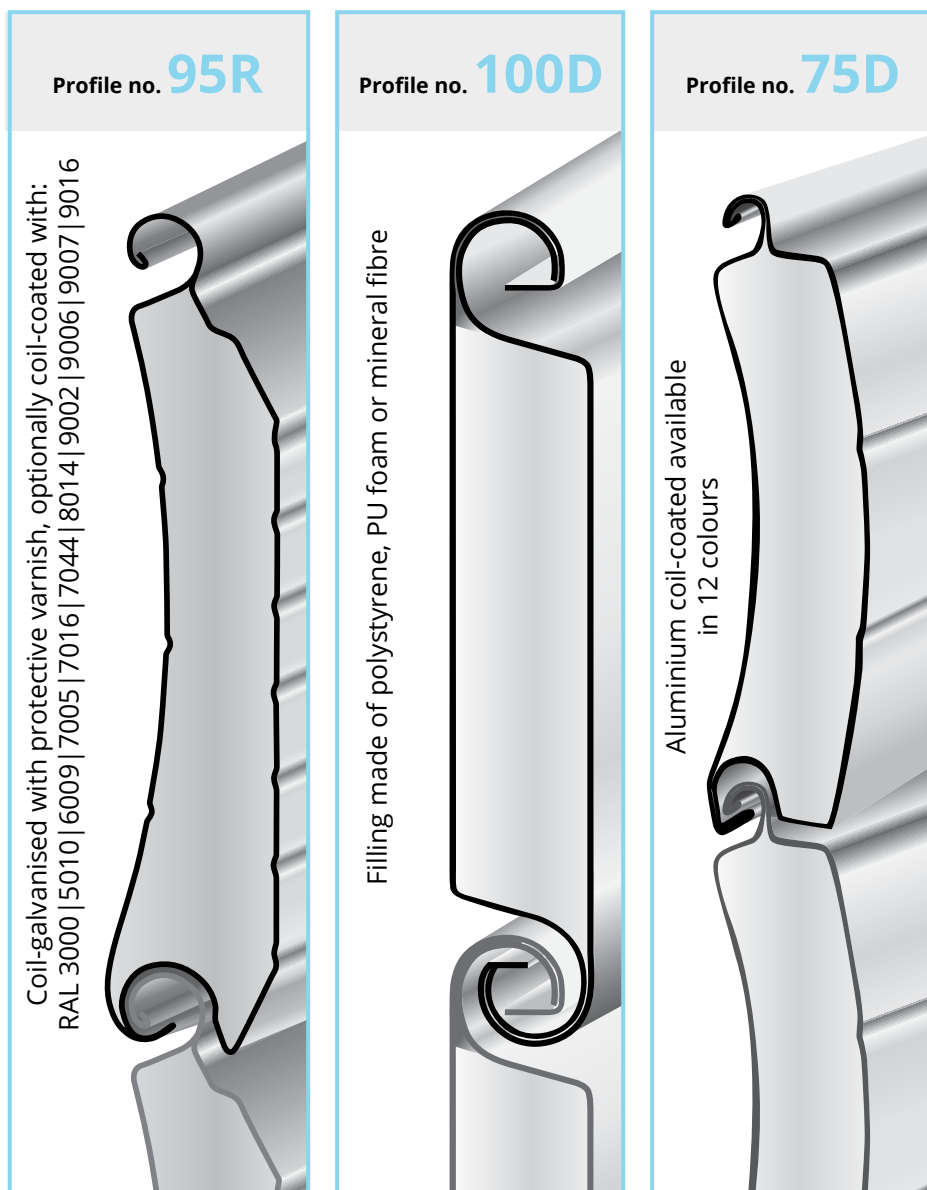
Profile no.	Material (mm)	Aluminium (kg / m ²)	Galvanised steel (kg / m ²)	Max. gate width (wind class 2) for aluminium (m)	Guide rails galvanised steel (mm)	Guide rails Aluminium (mm)
144	1,00	5,5	15	5,30	50/30/50/3	50/38/50/3*
	1,25	6,5	18	5,70	70/30/50/3	70/38/70/3*
	1,50	7,5	-	6,00	80/52/80/3*	80/52/80/3*
153	1,00	5,5	15	3,90	36/25/36/3	-
	1,25	6,5	18	4,50	50/25/50/3	-
155	1,00	5,5	15	4,80	50/30/50/3	50/38/50/3*
	1,25	6,5	18	5,40	70/30/50/3	70/38/50/3*
156	1,00	5,5	15	5,20	55/38/55/3	50/51/50/2*
	1,25	6,5	17	5,60	80/35/80/3	70/51/70/2,5*
	1,50	8,0	21	6,10	80/52/80/3*	80/52/80/3*
162	1,00	5,5	15	5,30	50/30/50/3	50/51/50/2*
	1,25	6,5	18	5,80	70/30/50/3	70/51/70/2,5*
	1,50	8,5	21	6,50	80/52/80/3*	80/52/80/3*

Additional profiles and guide rails available on request.

* with PVC piping

Double-walled

Profile cross-sections scale 1:1



Profiles cold-rolled

Technical data, weights and available guide rails for double-walled roller shutters

Profile no.	Material (mm)	Aluminium (kg / m ²)	Galvanised steel (kg / m ²)	Max. gate width (wind class 2) for aluminium (m)	Guide rails galvanised steel (mm)	Guide rails Aluminium (mm)
75D	0,50	5,5	-	6,00	-	50/38/50/3*
95R	0,38	-	10	6,50	50/54/50/3*	50/51/50/2*
100D	0,80	8,5	24	6,10	50/33/50/3 80/35/80/3 80/52/80/3* 100/35/100/3	50/51/50/2* 70/51/70/2,5* 80/52/80/3* 100/53/100/3
	1,00	10,5	30	6,80		
	1,25	13,5	37,5	7,80		
	1,50	16,0	45	8,60		

Additional profiles and guide rails available on request.

* with PVC piping

Rolled-up shutter diameter guide values

Profile no.	Gate height (mm)	Axle tube Ø (mm)					
		108	133	159	169	194	219
144					Spring housing:	1K	2K
	2,00	260	280	280	290	310	330
	2,50	270	280	300	310	340	350
	3,00	300	310	330	330	340	360
	3,50	310	330	340	350	370	370
	4,00	330	340	370	370	370	390
	4,50	340	370	370	380	400	400
	5,00	360	370	390	390	400	420
	6,00		400	420	420	440	460
7,00					460	460	
153	1,50	200	220	240	240	260	280
	2,00	220	230	250	260	290	290
	2,50	230	240	260	280	290	310
	3,00	240	260	280	290	310	330
	3,50	270	270	290	300	320	330
	4,00	270	280	310	320	330	350
	5,00	300	300	330	340	350	370
155	2,00	260	260	280	300	300	320
	2,50	280	280	290	300	320	340
	3,00	300	300	300	330	340	340
	3,50	300	310	310	330	340	360
	4,00		320	320	340	360	360
	4,50			340	350	360	380
	5,00				350	380	380
159	3,00			330	330	340	360
	3,50			360	360	360	390
	4,00			360	360	380	400
	4,50			380	380	390	420
	5,00			380	400	400	420
	6,00			420	440	430	460
	7,00			460	460	470	470
	8,00			460	480	510	500

Profile no.	Gate height (mm)	Axle tube Ø (mm)					
		108	133	159	169	194	219
162					Spring housing:	1K	2K
	3,00		310	340	340	350	370
	3,50		340	340	370	370	380
	4,00		350	370	370	380	400
	4,50		370	370	400	410	400
	5,00		380	400	400	410	430
	6,00		410	420	430	440	450
	7,00		440	450	460	480	470
	8,00			470	480	500	500
750	2,00	280	285	310			
	2,50	290	315	320			
	3,00	320	325	340			
	3,50	330	355	370			
	4,00	360	355	380			
95R	2,00		300	310			
	2,50		340	360			
	3,00		360	370			
	3,50		380	390			
	4,00		400	390			
	4,50		420	420			
100D	2,00			360	370	390	400
	2,50			380	370	390	400
	3,00			420	430	450	440
	3,50			420	430	460	450
	4,00			470	480	500	450
	4,50			470	480	500	500
	5,00			490	480	500	500
6,00			520	530	540	550	

General description

Roller shutter curtain made of cold-rolled profiles. Single-walled or double-walled as insulated profile. Material thickness 1.00 mm, 1.25 mm, 1.50 mm depending on gate width and wind load class.

End pieces made of plastic as standard or out of steel for intensive use. Cabin hooks for corresponding widths.

End profile as aluminium extruded profile with PVC sleeve.

Design with aluminium mill-finished, galvanised steel or stainless steel. Various surface treatments such as powder or foil coating, anodisation, coil-coating etc. for an additional charge.

Special profiles with windows, perforated sheet or grille punches.

Suitable guide rails made from steel, aluminium and stainless steel. Depth corresponds to at least 1 % of gate width.

Winding shaft made from steel, sized according to gate width and curtain weight, supported on side brackets.

All roller shutter systems from Keroll comply with the valid standards and are supplied with comprehensive documentation and an individual production drawing.

Drive types

Depending on the intended use complete rolling shutter systems are fitted with the following drives:

Spring shaft

for roller shutters without electrical connection with Keroll spring shafts (see spring shaft leaflet).

Shaft mounted (400 V)

for large doors, frequent use, e.g. underground garages or industrial doors.

Tubular motor (230 V)

for small rolling shutter systems with infrequent load changes during each day, e.g. shop entrances, shop windows, private areas.

Control

Dead man's control

for operation by continuous pressure in visual range of gate.

Automatic operation

for operation in pulse or time controlled mode: Control package including all necessary safety installations, such as pull-in protection, presence recognition and safety edge and also separating guards for barrel and drive chain.

Please visit our homepage keroll.de for further information.

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