



SCHNETZ

Leading manufacturer of
Electrical & Hydraulic Products for Fire Protection &
Industrial Doors and Gates

Product catalog

Radial dampers / throttle regulators



Radial dampers for rope



Radial dampers for chain



Radial dampers for timing belts



Radial damper for rack



Radial dampers with locking function



Other radial dampers

SCHNETZ Speed regulation for sliding gates and lifting gates

Radial dampers/throttle regulators	PAGE
Radial dampers for rope	2
Radial dampers for chain	3
Radial dampers for timing belts	3
Radial damper for rack	4
Radial dampers without castors/wheels/discs	4
Accessories / Spare parts	5

RADIAL DAMPERS / THROTTLE REGULATORS

Standard products are shown in the catalogue. However, special versions are also possible.

SPECIFICATIONS

Maximum clamping force:	400 [N] (chain drive 100 [N])
Maximum Pulling Force:	400 [N]
Maximum Shear Force:	800 [N] (on shaft)
Maximum speed:	0.4 [m/s]
Target speed:	0.08m/s to 0.2m/s (for fire doors)
Maximum speed:	130 [1/min]
Freewheel:	Standard: single-sided (in special cases without freewheel)
Braking direction:	Single-sided / reversible
Operating temperature:	Standard: -15°C to +40°C (maximum operating temperature: 50°C) with special solutions: -30°C to +5°C & 0°C to +80°C
Material:	Aluminum, Galvanized Steel, Brass, Stainless Steel V2A

for ROPE

Radial dampers/throttle regulators

Illustration	Article	Item No.	Controller ²	# Pulley(s)	Remarks
For rope Ø3 DIN 3060 FE 1770 SZ SPA 6x19 wires					
	LR-36-K-112	03-112	-	-	Scope of delivery incl. 2x screw with washer
	LR-36-K-136	03-136	-	2x1	Scope of delivery incl. 2x screw with washer
	LR-36-K-139	03-139	-	2	-
	LR-36-K-140	03-140	-	2	-
	LR-36-K-150	03-150	-	-	-
	LR-36-K-153	03-153	-	-	with eccentric ¹
	LR-36-K-155	03-155	-	-	with eccentric
	LR-36-K-159	03-159	-	2	with eccentric
	LR-36-K-160	03-160	-	2	with eccentric
	LR-36-K-179	03-179	-	-	with eccentric
	LR-36-K-209	03-209	-	1	with eccentric
	LR-36-K-210	03-210	-	1	with eccentric
	LR-36-K-212	03-212	-	3	-
	LR-36-K-221	03-221	-	2	-
	LR-36-K-222	03-222	-	-	with eccentric
	LR-36-K-237	03-237	-	-	with eccentric
	LR-36-K-289	03-289	-	1	with eccentric, braking direction on both sides
	LR-36-K-304	03-304	-	2x2	Scope of delivery incl. 2x screw with washer
	LR-36-K-F-109	03-109	Yes	-	Scope of delivery incl. 2x screw with washer
For rope Ø2,5 DIN 3060 FE 1770 SZ SPA 6x19 wires					
	LR-36-K-224	03-224	-	2	with eccentric


for CHAIN

Radial dampers / throttle regulators

Illustration	Article	Item No.	Brakes	# Pulley(s)	Remarks
Sprocket Z16 for roller chain 1/2"x1/8"					
	LR-36-K-002	03-002	-	2	Scope of delivery incl. 2x screw with disc, 2x chain tensioner
	LR-36-K-003	03-003	-	-	Scope of delivery incl. 2x screw with washer
	LR-36-K-102	03-102	-	-	-
	LR-36-K-111	03-111	-	-	Scope of delivery incl. 2x screw with washer
	LR-36-K-169	03-169	-	-	-
	LR-36-K-173	03-173	-	-	Adjustment screw on the back
	LR-36-K-303	03-303	-	1	-
	LR-36-K-F-108	03-108	Yes	-	Scope of delivery incl. 2x screw with washer
	LR-36-K-F-127	03-127	Yes	-	Scope of delivery incl. 2x screw with washer
	LR-36-K-F-133	03-133	Yes	2	Scope of delivery incl. 2x screw with disc, 2x chain tensioner
	LR-36-K-F-163	03-163	Yes	-	Hard anodising. Aluminum housing
	LR-36-K-F-201	03-201	Yes	-	Temperature range from -30° to +40°
Sprocket Z12 for roller chain 1/2"x1/8"					
	LR-36-K-142	03-142	-	-	Hard anodising. Aluminium housing brake direction on both sides
	LR-36-K-174	03-174	-	-	Braking direction on both sides
Sprocket Z10 for roller chain 3/4"x7/16"					
	LR-36-K-226	03-226	-	-	Braking direction on both sides


for TIMING BELTS

Running regulator / radial dampers

Illustration	Article	Item No.	Brakes	Deflection roller	Remarks
HTD 8M for Timing Belt Width 15					
	LR-36-K-106	03-106	-	-	-
	LR-36-K-F-107	03-107	Yes	-	-
	LR-36-K-124	03-124	-	-	-
HTD 8M for Timing Belt Width 9					
	LR-36-K-191	03-191	-	1	-
	LR-36-K-232	03-232	-	1	Hard anodized aluminum housing
	LR-36-K-235-V2A	03-235	-	-	Stainless steel
	LR-36-K-243-V2A	03-243	-	-	Stainless steel
	LR-36-K-253	03-253	-	-	Available with plate
	LR-36-K-256	03-256	-	1	Available with plate
	LR-36-K-305	03-305	-	-	-
HTD 8M For Timing Belt Width 10					
	LR-36-K-250	03-250	-	1	-
	LR-36-K-291	03-291	-	-	Available with plate













for RACK

Radial dampers / throttle regulators

Illustration	Article	Item No.	Remarks
Gear Z13 Ø52 for Rack Module 4			
	LR-36-K-177	03-177	Hard anodized aluminum housing / gear wheel with sealed sleeve freehub
	LR-36-K-236	03-236	V2A (Stainless Steel) Gear with Sealed Sleeve Freewheel
	LR-36-K-254	03-254	Hard anodized aluminum housing / gear wheel with sealed sleeve freehub
Gear Z16 Ø64 for Rack Module 4			
	LR-36-K-244	03-244	Hard anodized aluminum housing / sealed

without DRIVE ELEMENT

Running regulator / radial dampers

Illustration	Article	Item No.	Brakes	Remarks
Braking direction left or right				
	LR-36-K-118	03-118	-	1x shimmy 1x oscillating element 1x flat head screw
	LR-36-K-118-V2A	03-118_A2	-	DIN parts and adjustment screw made of V2A
	LR-36-K-118-M500	03-118-M500	-	Temperature range from -30°C to +5°
	LR-36-K-118-M5000	03-118-M5000	-	Increased braking force oil M5000 for ATS-900 application with very high clamping weight in old systems, temperature range from 0°C to +80°C
	LR-36-K-F-157	03-157	Yes	1x oscillating element 1x flat head screw
	LR-36-K-157-F-V2A	03-157_A2	Yes	
	LR-36-K-258	03-258	-	1x Lock Washer
	LR-36-K-299	03-299	-	(made of stainless steel)
	LR-36-K-306	03-306	-	1x shimmy
Braking direction on both sides				
	LR-36-K-128	03-128	-	1x disc spring
Braking direction: one-sided right				
	LR-36-K-F-247	03-247	Yes	1x key 1x oscillating element 1x Flat Head Screw
Braking direction: left on one side				
	LR-36-K-F-251	03-251	Yes	1x key 1x oscillating element 1x Flat Head Screw

ACCESSORIES

Radial dampers / throttle regulators

Illustration	Article	Item No.	Remarks
	2x rope sheave ø58 with stop plate	Z03-215-203_BGR1	---
	2x rope pulley ø58 with countersunk screw	Z03-159-203_BGR1	---
	3x rope sheave ø58 with screw	Z03-308-203_BGR1	Rope Pulley Accessories Package for Barrel LR-36-K-212 (LR-36-K-308 SR ZBH)
	Pulley ø58	Z03-139-203	---
	Rope pulley ø58 with countersunk screw + ring	Z03-139-203_BGR1	---
	Wire rope clamp for rope ø3	ZDIN EN 13411-5_3	---
	Eccentric with ball bearings	Z03-153-14_BGR1	---
	Brake GT70 A56, complete	Z03-186-18_BGR2	---
	Chain 1/2" x 1/8" à 3m	Z03-002-20-3	---
	Chain 1/2" x 1/8" à 5m	Z03-002-20-5	---
	Chain freewheel 1/2" x 1/8" 16T	Z03-002-21_BGR1	Hub with bore ø12 and groove
	Sprocket 12T 1/2" x 1/8"	Z03-142-21	Hole ø12, with groove
	Chain lock 1/2" x 1/8"	ZA010091E00MC	---
	Chain tensioner 2 pieces	Z03-002-14_BGR2	1 pair M8 x 80 each incl. chain lock
	Bearing block LR-36-215/Z	Z03-215/Z	---
	Idle wheel 1/2" x 1/8" Z10	Z03-002-08_BGR2	incl. dowel screw M8x16
	Wheel AT5 32	Z03-302-07_BGR1	with sleeve freewheel ø12
	Rope ø3 DIN 3060 FE 1770 SPA galvanized	Z11703	---
	Rope friction disc ø56 with sleeve freewheel	Z03-224-07_BGR2	incl. shim, 12x18x1 & Seeger safety washer RA 9
	Rope friction disc ø58 with sleeve freewheel	Z03-109-07_BGR2	incl. shim, 12x18x1 & Seeger safety washer RA 9
	Rope pulley ø58 springy	Z03-2010-Z	---
	Gate hub for rope ø3	Z03-301	---
	Gate hub for rope ø3 / V2A	Z03-301V2A	---
	Gear Z13 m4	Z03-171-07_BGR1	Gear m4, 13 teeth, gear wheel with sealed sleeve freewheel ø12
	Gear Z16 m4	Z03-244-07_BGR1	Gear m4, 16 teeth, gear wheel with sealed sleeve freewheel ø12
	Timing Belt LL-8M-9-PAZ	ZLL8M9PAZ	---
	Timing Belt Pulley 15 T5/32-2	Z03-250-07_BGR1	---
	Timing Belt Pulley P22-8M-9	Z03-190-07_BGR1	with sleeve freewheel ø12
	Timing Belt Pulley P22-8M-9/V2A	Z03-235-07_BGR1	with sleeve freewheel ø12
	Timing Belt Pulley P22-8M-9 / V2A abd.	Z03-243-07_BGR1	Gear wheel with sealed sleeve freewheel ø12
	Retaining Ring RA9 V2A	Z03-RA9-V2A	---