TECHNICAL CATALOGUE

RFT
GUIDE ROLLER SYSTEMS
TYPE SFRS



PATENTED SYSTEM | ORIGINAL

RÖMER FÖRDERTECHNIK

TYP SFRS-SW

- Patented damping unit to reduce unwanted impacts
- Single wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through variably positionable spacer plates
- Lateral adjustability
- One-piece guide roller axle and axle suspension
- Integrated quality / premium bearing
- Easy to relubricate
- Relubricatable linear guide (removal of dirt)
- Easy replacement of guide wheels



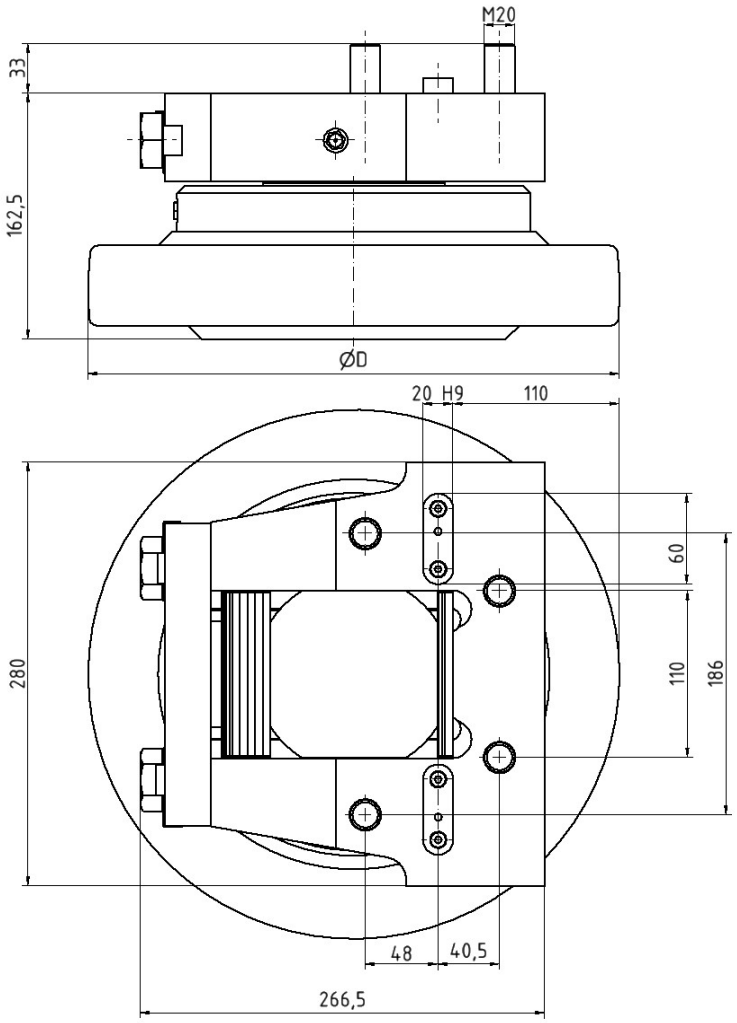
PATENTIERTES SYSTEM | ORIGINAL

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RFT-guide roller system

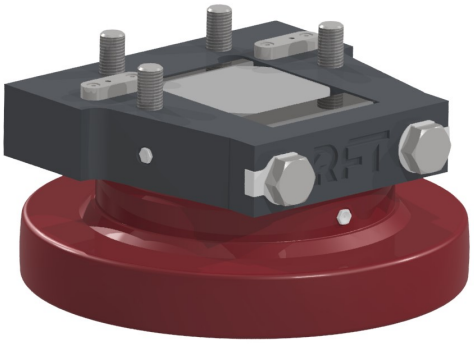
Type SFRS-SW

with integrated damping solution (patented)



Special features:

- Patented damping unit to reduce unwanted impacts
- Single wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through variably positionable spacer plates
- Lateral adjustability (E)
- One-piece guide roller axle and axle suspension
- Integrated spherical roller bearing and support bearing
- Easy to relubricate
- Easy replacement of guide rollers
- Including predefined fixing screws
- Other sizes on request



Load ratings of the guide rollers	**dynamic C in kN**	**static C0 in kN**
Guide roller Ø 250, 315, 350, 400, 500	425	490

	Designation		**Dimensions**				
1	Type		**SFRS-SW-ØD**				
2	Minimum lateral adjustment range	E	30 mm / 10 mm				
3	Guide roller diameter	ØD	250 mm	315 mm	350 mm	400 mm	500 mm
4	Weight approx.		63 kg	74 kg	81 kg	94 kg	123 kg
5	Mounting screws		DIN 912 M20x70 (10.9)				

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TYP SFRS-DW-1 / SFRS-DW-2

- Patented damping unit to reduce unwanted impacts
- Double wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through variably positionable spacer plates
- Lateral adjustability
- One-piece guide roller axle and axle suspension
- Integrated quality / premium bearing
- Easy to relubricate
- Easy replacement of guide wheels



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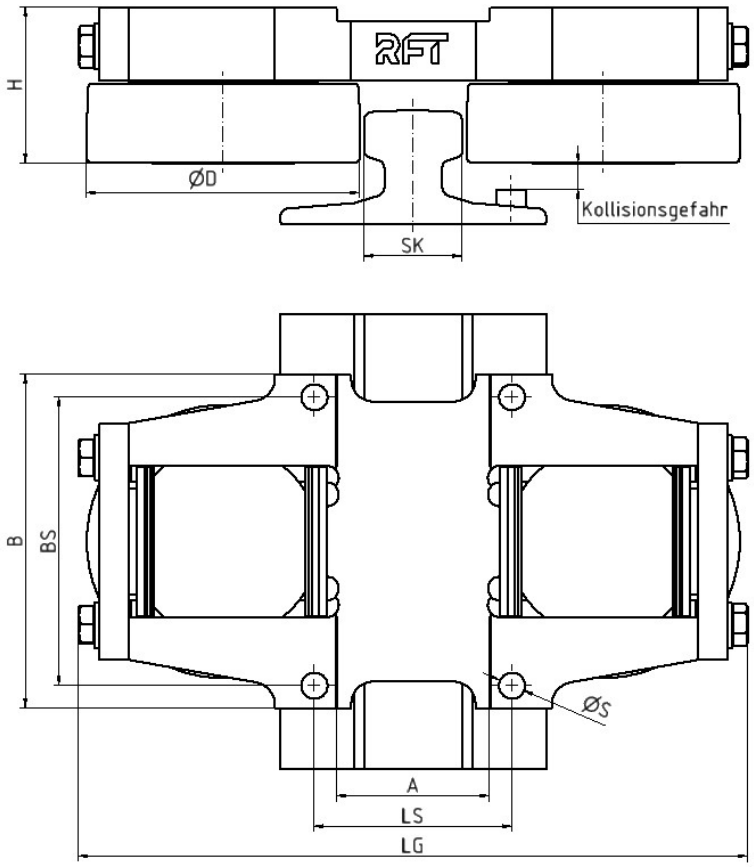
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RFT-Guide roller system

Type SFRS-DW-1

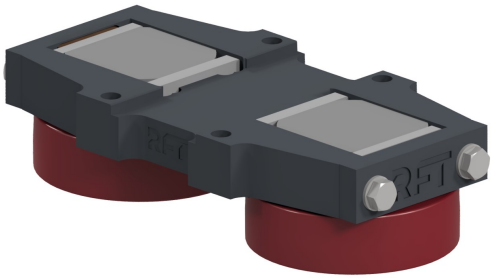
with integrated damping solution (patented)

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Special features:

- Patented damping unit to reduce unwanted impacts
- Double wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through distance plates
- Lateral adjustability up to ± 8 mm
- One-piece guide roller axle and axle suspension
- Integrated cylindrical roller bearing
- Easy to relubricate
- Easy replacement of guide roller
- Mounting bracket on request



Load ratings of the guide rollers	**dynamic C in kN**	**static C0 in kN**
Guide roller Ø 156, Ø 180	160	300

	Designation		**Dimensions**	
1	Type		**SFRS-DW-1-156**	**SFRS-DW-1-180**
2	Guide roller diameter	∅D	156 mm	180 mm
3	Rail widths	SK	38 – 72 mm	38 – 72 mm
4	Connection dimension	A	100 mm	100 mm
5	Width	B	220 mm	220 mm
6	Length overall	LG	440 mm	440 mm
7	Length distance flange screws	LS	130 mm	130 mm
9	Width distance flange screws	BS	190 mm	190 mm
10	Minimum lateral adjustment range	E	± 8 mm	± 8 mm
11	Connection hole	ØS	17,5 mm	17,5 mm
12	Total height	H	103 mm	103 mm
13	Distance between roller and rail		approx. 2 mm	approx. 2 mm
14	Weight		approx. 31 kg	approx. 32 kg

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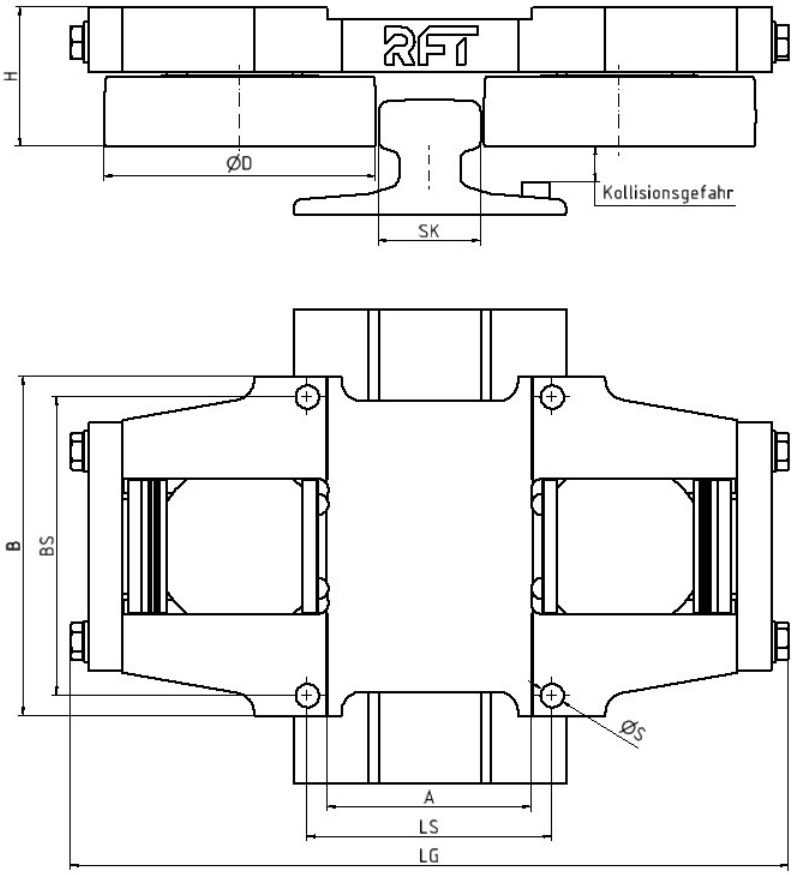
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RFT-guide roller system

Type SFRS-DW-2

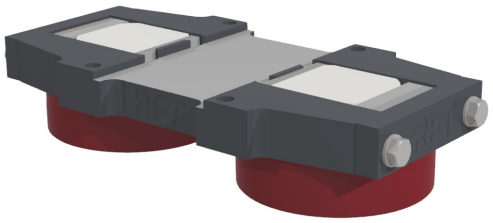
with integrated damping solution (patented)

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Special features:

- Patented damping unit to reduce unwanted impacts
- Double wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through distance plates
- Lateral adjustability up to ± 10 mm
- One-piece guide roller axle and axle suspension
- Integrated cylindrical roller bearing
- Easy to relubricate
- Easy replacement of guide rollers
- Mounting bracket on request



Load ratings of the guide rollers	**dynamic C in kN**	**static C0 in kN**
Guide roller Ø 200	160	300

	Designation		**Dimensions**
1	Type		**SFRS-DW-2-200**
2	Guide roller diameter	∅D	200 mm
3	Rail widths	SK	73-126 mm
4	Connection dimension	A	150 mm
5	Width	B	250 mm
6	Length overall	LG	530 mm
7	Length distance flange screws	LS	180 mm
9	Width distance flange screws	BS	220 mm
10	Minimum lateral adjustment range	E	± 10 mm
11	Connection hole	ØS	17,5 mm
12	Total height	H	103 mm
13	Distance between roller and rail		approx. 2 mm
14	Weight		approx. 64 kg

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TYP SFRS-DW-3

- Patented damping unit to reduce unwanted impacts
- Double wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through variably positionable spacer plates
- Lateral adjustability
- One-piece guide roller axle and axle suspension
- Integrated premium / quality bearing
- Easy to relubricate
- Relubricatable linear guide (removal of dirt)
- Easy replacement of guide wheels



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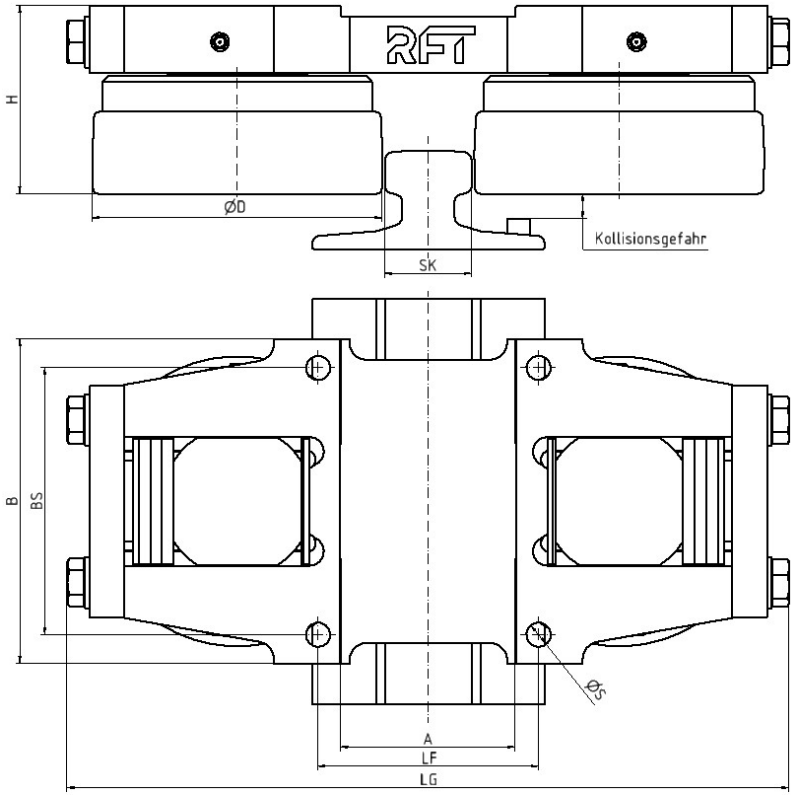
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RFT-guide roller system

Type SFRS-DW-3

with integrated damping solution (patented)

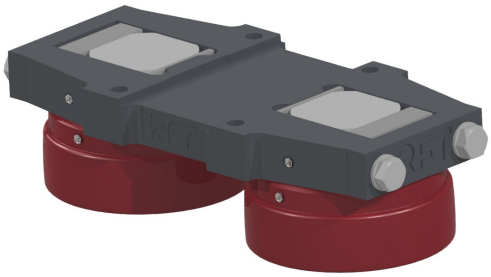
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Special features:

- Patented damping unit to reduce unwanted impacts
- Double wheel design
- Damping travel 3 mm
- Bearing protection
- Wear adjustment through variably positionable spacer plates
- Lateral adjustability up to ± 10 mm
- One-piece guide roller axle and axle suspension
- Integrated spherical roller bearing and support bearing
- Easy to relubricate
- Easy replacement of guide rollers
- Mounting bracket on request

For higher travel speeds!



Load ratings of the guide rollers	dynamic C in kN	static C0 in kN
Guide roller Ø 250, Ø 315	425	490

	Designation		Dimensions	
1	Type		SFRS-DW-3-250	SFRS-DW-3-315
2	Guide roller diameter	∅D	250 mm	315 mm
3	Rail widths	SK	75-120 mm	<75 mm
4	Connection dimension	A	150 mm	
5	Width	B	280 mm	
6	Length overall	LG	622 mm	
7	Length distance flange screws	LF	190 mm	
9	Width distance flange screws	BS	230 mm	
10	Minimum lateral adjustment range	E	± 10 mm	± 10 mm
11	Connection hole	ØS	21 mm	21 mm
12	Total height	H	162 mm	184 mm
13	Distance between roller and rail		approx. 4 mm	approx. 4 mm
14	Weight		approx. 105 kg	approx. 136 kg

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WE ARE RFT.

RÖMER Fördertechnik GmbH
Nielandstr. 53
58300 Wetter/Ruhr
Germany

+49 (0) 2335 80290
info@roemer-foerdertechnik.de
www.rft-germany.com

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As from: 04.24 – Design: Erik Meurers · www.plusminusvier.de