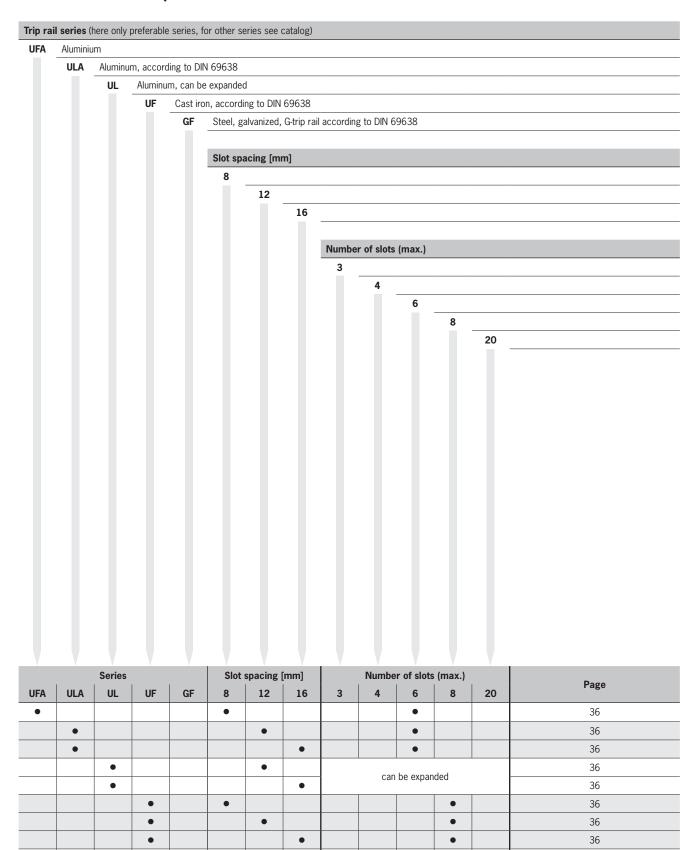


Selection table for trip rails



Available

O Available on request

39

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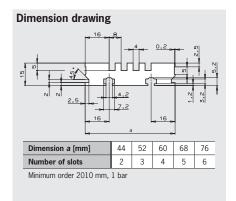


Trip rails with 8 mm, 12 mm or 16 mm spacing



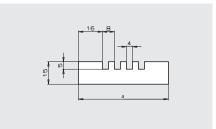
Series UFA...

Slot spacing 8 mm, aluminum



Series UF...

Slot spacing 8 mm, cast iron



Dimension a [mm]	44	52	60	68	76	92
Number of slots	2 3 4					8
Dimension a [mm]	108	124	140	156	172	188
Number of slots	10	12	14	16	18	20

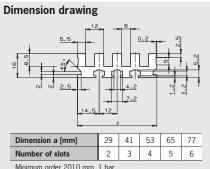
Length to suit customer requirement, max. 1000 mm Gray figures on request

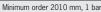


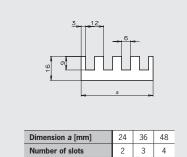
Series ULA... according to DIN 69638 form A Slot spacing 12 mm, aluminum

Series UL... can be placed in a row Slot spacing 12 mm, aluminum

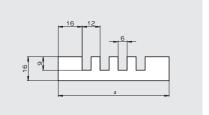
Series UF... according to DIN 69638 form A Slot spacing 12 mm, cast iron







Preferable lengths 1000, 2000, 3000 and 4000 mm (preferable lengths correspond to minimum order)



Dimension a [mm]	50	62	74	86	98	122
Number of slots	2	3	4	5	6	8
Dimension a [mm]	146	170	194	218		
Number of slots	10	12	14	16		
Learnith to a 2 contains	٠.		1.00			

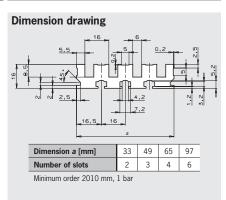
Length to suit customer requirement, max. $1000\ \mathrm{mm}$ Gray figures on request

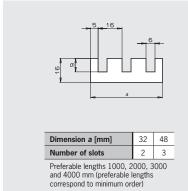


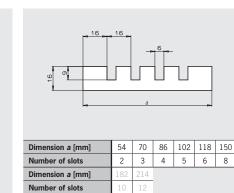
Series ULA... according to DIN 69638 form A Slot spacing 16 mm, aluminum

Series UL... can be placed in a row Slot spacing 16 mm, aluminum

Series UF... according to DIN 69638 form A Slot spacing 16 mm, cast iron







Length to suit customer requirement, max. 1000 mm Gray figures on request

Ordering code	U
Series ————————————————————————————————————	
Number of slots (see tables)	
Slot spacing (8, 12 or 16 mm)	
Length [mm] (note minimum order/preferable length)	



Trip dogs for trip rails with 8 mm, 12 mm or 16 mm spacing

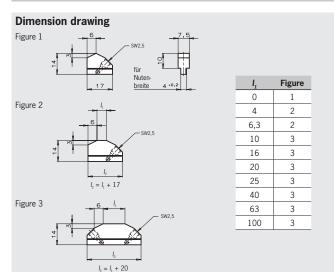
Type of actuation mechanical

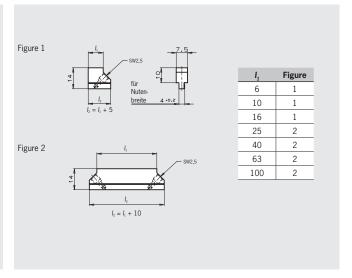
Type of actuation inductive



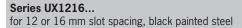
for 8 mm slot spacing, hardened, ground steel



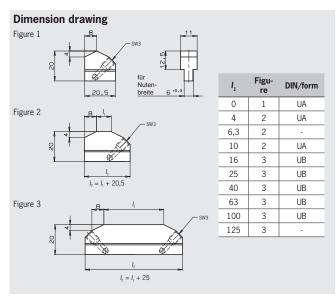


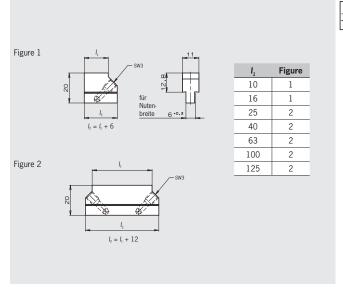


Series U1216... according to DIN 69639 form UA/UB for 12 or 16 mm slot spacing, hardened, ground steel









Ordering code
Series
Length I₁



Special trip dogs for trip rails with 12 mm or 16 mm spacing

Type of actuation mechanical

- Safety dog
- ► Fine adjustment dog
- Fine adjustment dog with micrometer

Safety dog UZ

For limit switches with safety function the safety dog must be positively mounted

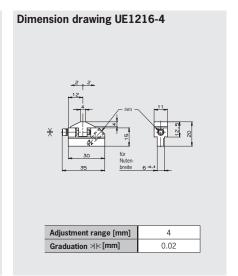
Fine adjustment dog UE

The fine adjustment dog UE1216-4 can be mounted in all U-trip rails with 12 or 16 mm slot spacing. The fine adjustment is made using a self-locking hexagon socket head screw

Safety dog UZ for 12/16 mm slot spacing, hardened, ground steel

Dimension drawing UZ1216-50

Fine adjustment dog UE 12/16 mm for slot spacing, hardened, ground steel



Fine adjustment dog with micrometer

The fine adjustment dog UEN1216/UEG1216 can be mounted in all U-trip rails with 12 or 16 mm slot spacing. After clamping the micrometer UEG1216, the fine adjustment dog UEN1216 can be moved to the required dimension by turning the micrometer screw.

The fine adjustment dog is clamped after adjustment as required.

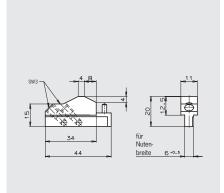
The micrometer can be removed from the trip rail for further use after undoing the clamping screw, or it can be left in the trip rail.

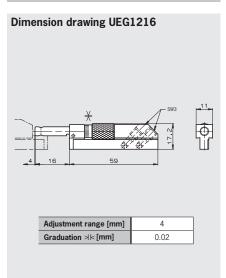
The micrometer UEG1216 must be used for adjusting fine adjustment dogs UEN1216.

Fine adjustment dog for 12/16 mm slot spacing, hardened, ground steel

Dimension drawing UEN1216

6 mm slot **Micrometer** for fine adjustment dog UEN1216, mat, chromium-plated steel





Ordering table

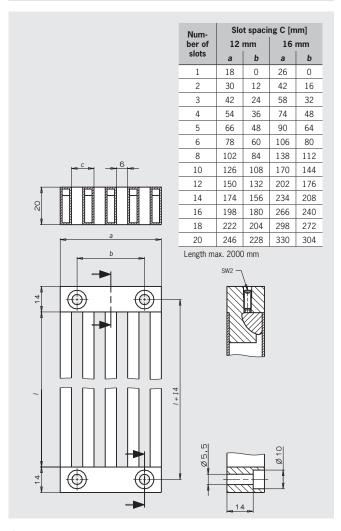
Designation	Use	Order No. / Item
Safety dog UZ	For trip rails ULA/UL/UF 12 or 16 mm	022 734 UZ1216-50
Fine adjustment dog UE	For trip rails ULA/UL/UF 12 or 16 mm	013 340 UE1216-4
Micrometer UEG	For fine adjustment dog UEN1216	013 338 UEG1216
Fine adjustment dog UEN	For micrometer UEG1216 For trip rails ULA/UL/UF 12 or 16 mm	013 339 UEN1216

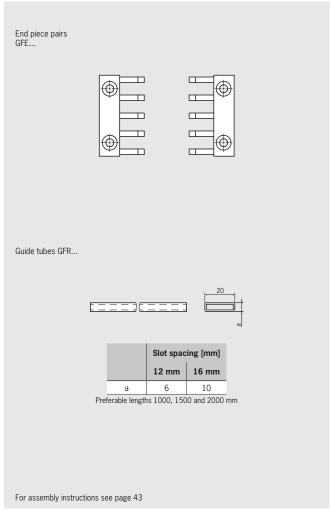


G-trip rails with 12 mm or 16 mm spacing

G-trip rails GF... according to DIN 69638 form C, fully assembled, galvanized steel

G-trip rail GFE.../GFR... according to DIN 69638 form C, kit for self-assembly, galvanized steel





G-trip rail, fully assembled

Ordering code	G-trip rail GF	G	F		-		-	
Series								
Number of slots (see table)								
Slot spacing (12 or 16 mm)				-				
Length <i>I</i> * [mm] (note maximum length)					 	 		

Kit for self-assembly

	·-y									
Ordering code	Guide tubes GFR	G	F	R				-		
	End piece pairs GFE	G	F	Е		-				
Series										
Number of slots (see table)										
Slot spacing (12 or 16 mm)										
Length <i>I</i> * [mm] (note preferable length)					 -					



^{*} For lengths over 600 mm, support brackets are required (see page 42)



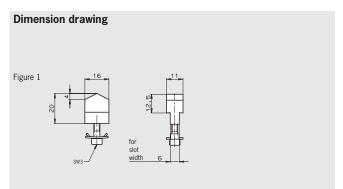
Trip dogs for G-trip rails with 12 mm or 16 mm spacing

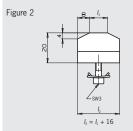
Type of actuation mechanical

Type of actuation inductive

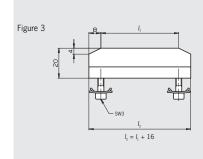
Series G1216.... according to DIN 69639 form G for G-trip rails GF, hardened, ground steel

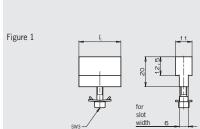
Series GX1216... for G-trip rails GF, black painted steel





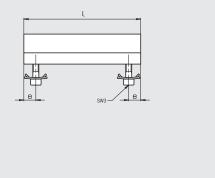
I ₁	Figu- re	DIN/form
0	1	G
4	2	G
10	2	G
16	2	G
25	2	G
40	2	G
63	3	G
100	3	G





I ₁	Figure
10	1
16	1
25	1
40	1
63	2
100	2

Figure 2



Ordering code		G			-		
Series —							
Length I,				 			



Special trip dogs for G-trip rails with 12 mm or 16 mm spacing

► Fine adjustment dog

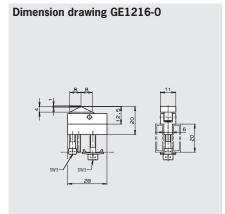
Fine adjustment dog with micrometer

Fine adjustment dog

The fine adjustment dog GE1216-0 can be mounted in the G-trip rails with 12 or 16 mm slot spacing. The fine adjustment is made using a self-locking hexagon socket head screw.

Type of actuation mechanical

Fine adjustment dog for G-trip rails GF, hardened, ground steel

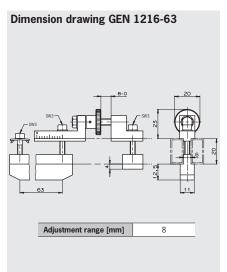


Fine adjustment dog with micrometer

The fine adjustment dog GEN1216-63/GEX1216-40 can be mounted in the G-trip rails with 12 or 16 mm slot spacing. The fine adjustment is made using a knurled screw.

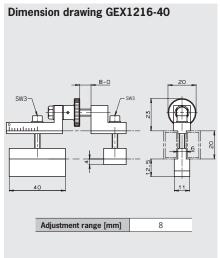
Fine adjustment dog with micrometer for trip rails GF, hardened, ground steel

Adjustment range [mm]



Type of actuation inductive

Fine adjustment dog for micrometer for trip rails GF, black painted steel



Ordering table

Designation	Designation Type of actuation		Order No. / Item
Fine adjustment dog	Mechanical	For G-trip rails GF 12 or 16 mm	010 493 GE1216-0
Fine adjustment dog	Mechanical	For G-trip rails GF 12 or 16 mm	024 563 GEN1216-63
with Micrometer	Non-contact	For G-trip rails GF 12 or 16 mm	001 601 GEX1216-40



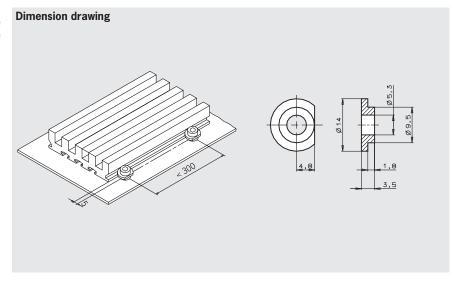
Accessories

- ► Clamping piece
- ► Support brackets

Clamping piece

The trip rails ULA and UFA made of aluminum are preferably fastened to the body of the machine using special clamping pieces.

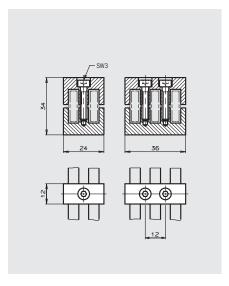
Clamping piece for trip rails ULA/UFA

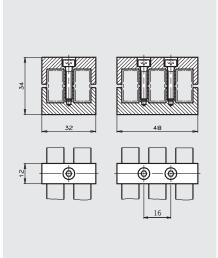


Support brackets, can be placed in a row For the G-trip rails GFE/GFR kit, support brackets must be used from a length of 600 mm.

Support brackets slot spacing 12 mm for G-trip rail GFE/GFR

Support brackets slot spacing 16 mm for G-trip rail GFE/GFR





Ordering table

Designation	Use	Slot spacing [mm]	Number of guide tubes	Order No. / Item
Clamping piece	For trip rails ULA/UFA	-		025 519
	1			Clamping piece
			2	027 459
		12 mm		ZW02-12
			3	027 460
Support brackets	For G-trip rails GFE/GFR		9	ZW03-12
Support brackets	TOT G-trip rails GL/GLK		2	027 461
	16		2	ZW02-16
		16 mm	_	027 462
			3	ZW03-16



Installation notes

Trip rail system-G kit for self-assembly

A kit comprises two end pieces, the pressure segments and the related number of guide tubes.

All parts are protected against corrosion by a special surface treatment.

The kit enables the user to assemble trip rails of the required length (from 600 mm special support brackets are required) of up to 2000 mm. For this purpose the guide tubes are cut to the required length and bolted together to form a trip rail with the aid of the end pieces (see example).

