



- Max. sound pressure level 121 dB(A)
- Extreme temperature range -50 ... +60 °C
- Degree of protection IP66 & 67
- Corrosion-resistant enclosure made from antistatic polyamide
- Stainless steel fixings
- Ex e connection chamber
- Spring clamp terminals

**WebCode 8494A**


25 or 15 Watt loudspeakers designed for use in hazardous areas and harsh environments. Series 8494 is constructed using antistatic polyamid which provides a light weight, robust, corrosion resistant enclosure. Options include wattage, impedance or a transformer variant with tapings at 25; 15; 6.5; 5; 2.5; 1.5 W to provide maximum flexibility for users.

The short flare version provides wide area sound dispersal in a compact enclosure. The long flare version gives increased sound pressure levels and audibility.

	ATEX / IECEx						NEC 505						NEC 506						NEC 500					
	0		1		2		20		21		22		Class I		Class II		Class III		Class I		Class II		Class III	
<b>Zone</b>																								
<b>Ex interface</b>																								
<b>Installation in</b>																								

Selection Table						
Flare size			Long flare			
Sound pressure level			max. 118 dB(A) @ 1 m			
Figure	Impedance	Product Type	Art. No.	PS	Weight	kg
	8 Ω	8494/C-L-EN-ST-12-00	242310	80	2.800	
	20 Ω	8494/C-L-EN-ST-13-00	242311	80	2.800	
	–	8494/C-L-EN-ST-14-00	242312	80	2.800	
Flare size			Short flare			
Sound pressure level			max. 115 dB(A) @ 1 m			
Figure	Impedance	Product Type	Art. No.	PS	Weight	kg
	8 Ω	8494/C-S-EN-ST-12-00	242300	80	2.200	
	20 Ω	8494/C-S-EN-ST-13-00	242301	80	2.200	
	–	8494/C-S-EN-ST-14-00	242302	80	2.200	

Technical Data	
Explosion Protection	
Ambient temperature °C	-50 ... +60 °C
Gas explosion protection IECEx	Ex de mb IIC T4 Gb

## Technical Data

### Explosion Protection

Gas explosion protection ATEX	Ex II 2 G Ex de mb IIC T4 Gb
Gas explosion protection EAC	1 Ex d e mb IIB+H2 T4 Gb X 1 Ex d e mb IIC T4 Gb X
Dust explosion protection IECEx	Ex tb IIIC TT105 °C Db
Dust explosion protection ATEX	Ex II 2 D Ex tb IIIC TT105 °C Db
Dust explosion protection EAC	1 Ex tb IIIC T105 °C Db X
Certificates	ATEX (PRE), EAC (Sertium), IECEx (PRE)

### Electrical Data

Power	25 – 25 W
Frequency range	450 – 6000 Hz

### Mechanical Data

Degree of protection IP (IEC 60529)	IP66/IP67
Enclosure material	Polyamide, antistatic
Enclosure colour	Black
Material mounting parts	Polyamide, antistatic
Trumpet material	Polyamide, antistatic
Connection terminals solid max.	4 mm <sup>2</sup>
Connection terminals finely-stranded max.	4 mm <sup>2</sup>

### Mounting / Installation


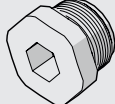
Connection type	Spring clamp terminal
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### Components

Drilled holes	2 x M20
Screw connections	Can be ordered as accessories
Stopping plug	2 x dust cap

You can find more technical data online at [r-stahl.com](http://r-stahl.com). WebCode 8494A

## Accessories and Spare Parts

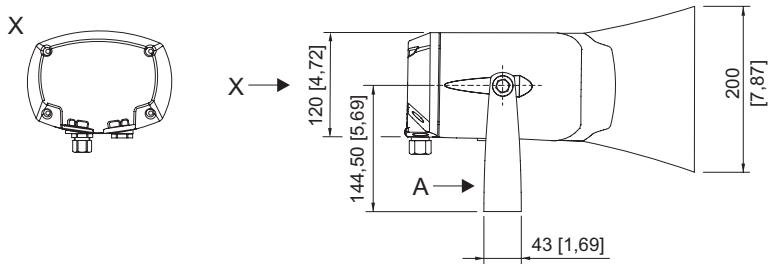
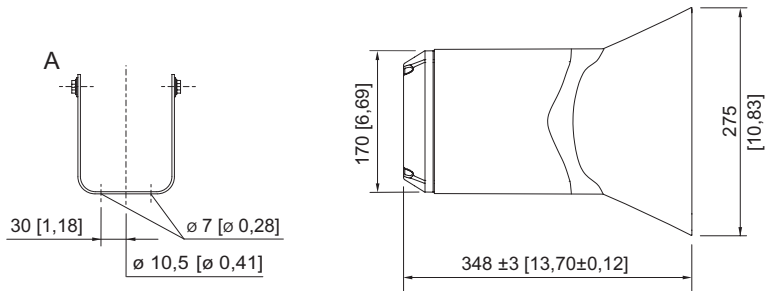
Figure	Description	Art. No.	Weight kg
<b>Cable gland</b>			
	8161/7-M20-1304 4 ... 13 mm <sup>2</sup> , 50 pieces (delivery lot*)	239156 ▲	0.013
<b>Stopping plug</b>			
	8290/3-M20, 100 pieces	143543 ▲	0.500
	8290/3-M20, 1 piece	143522	0.005

Bracket made of stainless steel available on request.

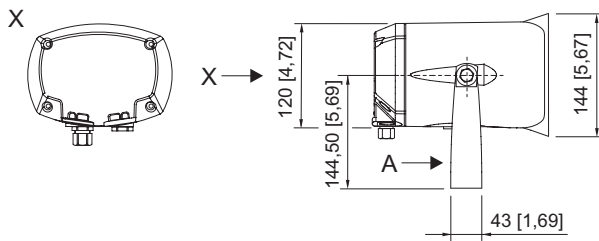
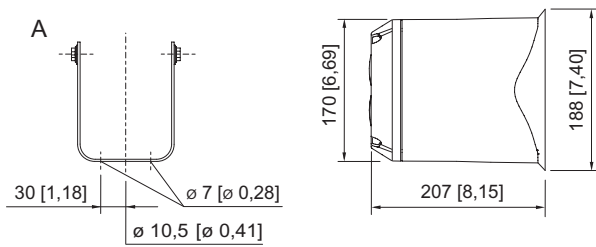
\*) Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the delivery lot.

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

E5



Hazardous Area Loudspeaker - Long Flare  
Bracket (A) supplied as standard



Hazardous Area Loudspeaker - Short Flare  
Bracket (A) supplied as standard