



- Loudspeaker: Directional/max. 121 dB(A)
- Type of protection: Ex d with Ex e connection chamber
- Class: IP66/67 (IEC 60529)
- Corrosion-resistant polyamide enclosure
- Stainless steel mountings included

E5

WebCode 8494A



Product series 8494 are 25 or 15 watt loudspeakers designed for use in hazardous areas and harsh environments. These are unique as they are constructed using antistatic polyamid which provides a lightweight, robust, corrosion-resistant enclosure. For optimum flexibility, wattage, impedance and transformer variants with 25, 15, 6.5, 5, 2.5 and 1.5 W connections are available.

The version with the short trumpet comes in a compact enclosure and provides wide sound distribution. The version with the long trumpet provides an increased sound pressure level and improved audibility.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in	•	•	•	•		


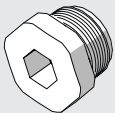
	CEC Section 18					
	NEC® 505			NEC® 506		
	Class I					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

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

Technical Data	
Explosion Protection	
Ambient temperature °C	-50 ... +60 °C
IECEX gas explosion protection	Ex de mb IIC T4 Gb
IECEX dust explosion protection	Ex tb IIIC T105 °C Db
ATEX gas explosion protection	Ⓔ II 2 G Ex de mb IIC T4 Gb

Technical Data	
Explosion Protection	
ATEX dust explosion protection	II 2 D Ex tb IIIC T105 °C Db
EAC gas explosion protection	Ex d e mb IIB+H2 T4 Gb X Ex d e mb IIC T4 Gb X
EAC dust explosion protection	Ex tb IIIC T105 °C Db X
Certificates	ATEX (PRE), Canada / USA (LC), EAC (Sertium), IECEx (PRE)
Electrical Data	
Power	25 W
Frequency range	450 – 6000 Hz
Mechanical Data	
Degree of protection IP (IEC 60529)	IP66/IP67
Enclosure material	Polyamide, antistatic
Enclosure colour	Black
Trumpet material	Polyamide, antistatic
Connection terminals solid max.	4 mm ²
Connection terminals finely-stranded max.	4 mm ²
Mounting / Installation	
Material mounting parts	Polyamide, antistatic
Connection type	Spring clamp terminal
Components	
Drilled holes	2 x M20
Cable entries	Can be ordered as accessories
Stopping plug	2 x dust cap

You can find more technical data online at r-stahl.com. WebCode 8494A

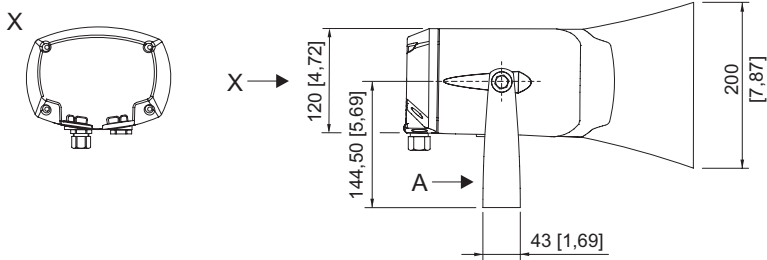
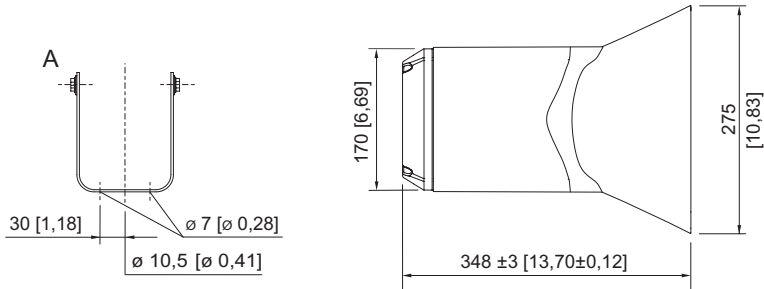
Accessories			
Figure	Description	Art. No.	Weight kg
Cable gland			
	8161/7-M20-1304 4 ... 13 mm ² , 50 pieces (delivery lot*)	239156 ▲	0.013
Stopping plug			
	8290/3-M20, 100 pieces	143543 ▲	0.500
	8290/3-M20, 1 piece	143522 ▲	0.005

Bracket made of stainless steel available on request.

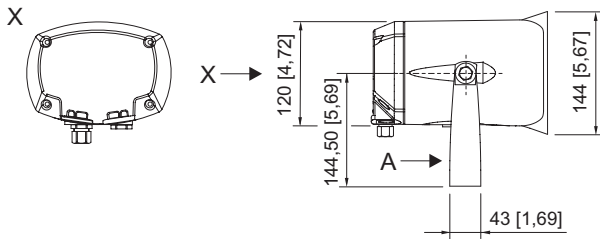
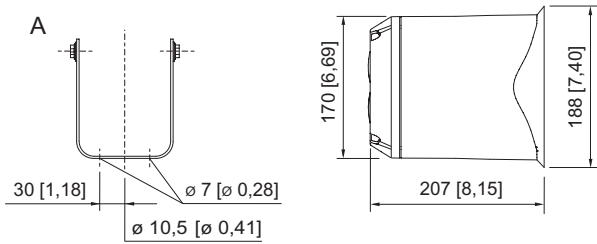
*) Purchase order quantity in [pieces], the delivery quantity is automatically rounded to the delivery lot.

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