



# RE-REB-REM-REN Explosion proof reducers and adaptors

Ex Conduit fittings

**Installation:** hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)

**Classification:** Group II - Category 2G 2D



RE - REB - REM - REN

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## REFERENCE STANDARDS

**Directive 94/9/EC (until April 19th, 2016) and Directive 2014/34/EU (from April 20th, 2016)**

EXECUTION	<ul style="list-style-type: none"> <li>⊗ II 2 G Ex d IIC Gb</li> <li>⊗ II 2 G Ex e IIC Gb</li> <li>⊗ II 2 D Ex t IIIC Db</li> </ul>
RULES OF COMPLIANCE	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
EC Type-Examination Certificate	TÜV 12 ATEX 104523U
PROTECTION DEGREE	IP66
AMBIENT TEMPERATURE	-60°C ÷ +130°C
OTHER AVAILABLE CERTIFICATES	<ul style="list-style-type: none"> <li>IECEx: IECEx EXA 13.0001U</li> <li>INMETRO: CEPEL 13.2223U</li> <li>EAC: TC RU C-IT.ГБ08.В 01624</li> <li>RINA: ELE18111CS_015</li> <li>RUSSIAN MARINE CERTIFICATE (RMRS): 13.03518.315</li> <li>UL NEC-505: 20131204-E465038</li> </ul>

### Mechanical characteristics

Reducers materials	galvanized steel (AZ)
Adaptors materials	OT-58 marine brass (OT) - nichel plated brass (ON) - AISI-316L stainless steel (IX) - galvanized steel (AZ)
Finishes	full nickel plating treatment (brass material only)
Gasket	silicon rubber EPDM / NYLON

### Applications

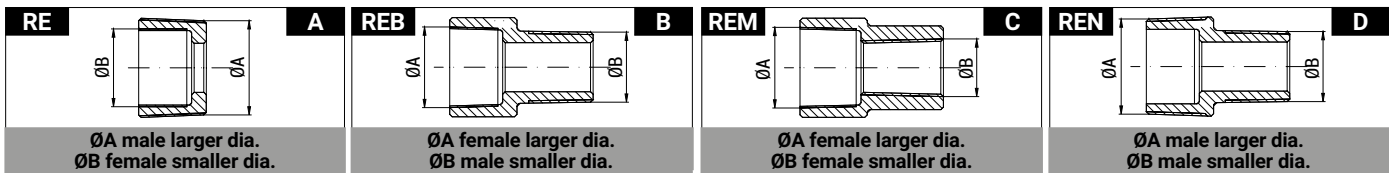
EXPLOSION PROOF REDUCER AND ADAPTORS ARE USED TO CONNECT VARIOUS EQUIPMENT: ENCLOSURES, LIGHTING FIXTURES, JUNCTION AND PULLING BOXES ECT. OF DIFFERENT DIAMETERS AND THREADS

### On Request Accessories:

- Different threads from standard
- Different materials from standard
- Silicon Rubber Gaskets



RING REDUCERS - RE				REDUCERS BUSHING - REB				REDUCERS COUPLING - REM				REDUCERS NIPPLE - REN			
TYPE	ØA MALE	ØB FEMALE	DET.	TYPE	ØA MALE	ØB FEMALE	DET.	TYPE	ØA FEMALE	ØA FEMALE	DET.	TYPE	ØA MALE	ØA MALE	DET.
RE21	3/4"	1/2"	A	REB21	1/2"	3/4"	B	REM21	3/4"	1/2"	C	REN21	3/4"	1/2"	D
RE31	1"	1/2"	A	REB31	1/2"	1"	B	REM31	1"	1/2"	C	REN31	1"	1/2"	D
RE32	1"	3/4"	A	REB32	3/4"	1"	B	REM32	1"	3/4"	C	REN32	1"	3/4"	D
RE41	1-1/4"	1/2"	A	REB41	1/2"	1-1/4"	B	REM41	1-1/4"	1/2"	C	REN41	1-1/4"	1/2"	D
RE42	1-1/4"	3/4"	A	REB42	3/4"	1-1/4"	B	REM42	1-1/4"	3/4"	C	REN42	1-1/4"	3/4"	D
RE43	1-1/4"	1"	A	REB43	1"	1-1/4"	B	REM43	1-1/4"	1"	C	REN43	1-1/4"	1"	D
RE51	1-1/2"	1/2"	A	REB51	1/2"	1-1/2"	B	REM51	1-1/2"	1/2"	C	REN51	1-1/2"	1/2"	D
RE52	1-1/2"	3/4"	A	REB52	3/4"	1-1/2"	B	REM52	1-1/2"	3/4"	C	REN52	1-1/2"	3/4"	D
RE53	1-1/2"	1"	A	REB53	1"	1-1/2"	B	REM53	1-1/2"	1"	C	REN53	1-1/2"	1"	D
RE54	1-1/2"	1-1/4"	A	REB54	1-1/4"	1-1/2"	B	REM54	1-1/2"	1-1/4"	C	REN54	1-1/2"	1-1/4"	D
RE61	2"	1/2"	A	REB61	1/2"	2"	B	REM61	2"	1/2"	C	REN61	2"	1/2"	D
RE62	2"	3/4"	A	REB62	3/4"	2"	B	REM62	2"	3/4"	C	REN62	2"	3/4"	D
RE63	2"	1"	A	REB63	1"	2"	B	REM63	2"	1"	C	REN63	2"	1"	D
RE64	2"	1-1/4"	A	REB64	1-1/4"	2"	B	REM64	2"	1-1/4"	C	REN64	2"	1-1/4"	D
RE65	2"	1-1/2"	A	REB65	1-1/2"	2"	B	REM65	2"	1-1/2"	C	REN65	2"	1-1/2"	D
RE71	2-1/2"	1/2"	A	REB71	1/2"	2-1/2"	B	REM71	2-1/2"	1/2"	C	REN71	2-1/2"	1/2"	D
RE72	2-1/2"	3/4"	A	REB72	3/4"	2-1/2"	B	REM72	2-1/2"	3/4"	C	REN72	2-1/2"	3/4"	D
RE73	2-1/2"	1"	A	REB73	1"	2-1/2"	B	REM73	2-1/2"	1"	C	REN73	2-1/2"	1"	D
RE74	2-1/2"	1-1/4"	A	REB74	1-1/4"	2-1/2"	B	REM74	2-1/2"	1-1/4"	C	REN74	2-1/2"	1-1/4"	D
RE75	2-1/2"	1-1/2"	A	REB75	1-1/2"	2-1/2"	B	REM75	2-1/2"	1-1/2"	C	REN75	2-1/2"	1-1/2"	D
RE76	2-1/2"	2"	A	REB76	2"	2-1/2"	B	REM76	2-1/2"	2"	C	REN76	2-1/2"	2"	D
RE81	3"	1/2"	A	REB81	1/2"	3"	B	REM81	3"	1/2"	C	REN81	3"	1/2"	D
RE82	3"	3/4"	A	REB82	3/4"	3"	B	REM82	3"	3/4"	C	REN82	3"	3/4"	D
RE83	3"	1"	A	REB83	1"	3"	B	REM83	3"	1"	C	REN83	3"	1"	D
RE84	3"	1-1/4"	A	REB84	1-1/4"	3"	B	REM84	3"	1-1/4"	C	REN84	3"	1-1/4"	D
RE85	3"	1-1/2"	A	REB85	1-1/2"	3"	B	REM85	3"	1-1/2"	C	REN85	3"	1-1/2"	D
RE86	3"	2"	A	REB86	2"	3"	B	REM86	3"	2"	C	REN86	3"	2"	D
RE87	3"	2-1/2"	A	REB87	2-1/2"	3"	B	REM87	3"	2-1/2"	C	REN87	3"	2-1/2"	D



Identification adaptors selection table	
SIZE LARGER DIAMETER	
02 / 03 / 04 / 05 / 06 / 06 / 07 / 08	
LARGER DIA. TYPE OF THREAD	
K (UNI 6125-74), P(PG), N (NPT), G (ISO 228), M (ISO-metric)	
SIZE SMALLER DIAMETER	
01/ 02 / 03 / 04 / 05 /06 / 06 / 07	
SMALLER DIA. TYPE OF THREAD	
K (UNI 6125-74), P(PG), N (NPT), G (ISO 228), M (ISO-metric)	
MATERIAL	
IX (stainless steel), ON (nikel plated brass), OT (marine brass)	

	TYPE	SIZE LARGER DIAMETER	THREAD	SIZE SMALLER DIAMETER	THREAD	MATERIAL
<b>EXAMPLE 1</b>	RE	02	K	01	G	ON
<b>EXAMPLE 2</b>	REB	03	N	-	M40	IX

**EXAMPLE 1:** RE02K01GON= RUDUCER TYPE RE MALE 3/4" 6125 - FEMALE 1/2" ISO228 NIKEL PLATED BRASS  
**EXAMPLE 2:** REB03NM40IX= REDUCER TYPE REB MALE 1"NPT - FEMALE M40 STAINLESS STEEL

**REMARK:**

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.