



POWER ELECTRONICS

— SINCE 1999 —



POWER ELECTRONICS

**CONTROLLATE LE VIBRAZIONI E AVRETE
IL POTERE DI CONTROLLARE LA SOSTANZA
E L'ENERGIA DELLA MATERIA**

***CONTROL THE VIBRATIONS AND THE POWER
TO CONTROL SUBSTANCE AND MATERIAL
ENERGY WILL EVENTUALLY BE GIVEN***

JASMUHEEN

PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES



02

Ponti raddrizzatori trifase assemblati su disco isolato per il montaggio sull'albero rotante di un generatore. Id: 30 A ÷ 300 A.

Rotating silicon rectifier assemblies in six-pulse bridge connection for brushless a.c. generators. Id range: 30 A ÷ 300 A.

CARATTERISTICHE TECNICHE COME PUNTI DI FORZA

- > Velocità di rotazione:
1500 giri/min. garantiti
- > Id da 30 A a 300 A
- > Vrrm da 800 V a 2000V
- > Bassa Vf = bassa perdita di
energia in calore
- > Ingombro ridotto

CAMPI DI APPLICAZIONE

- > Eolico
- > Idroelettrico
- > Ferroviario
- > Navale
- > Attrezzature aeroportuali
- > Sub-stazioni ospedaliere
- > UPS Rotanti
- > Generatori AC Brushless
- > Recupero energia in propulsioni
hybrid/elettriche

OCRAM garantisce elevati standard qualitativi e di affidabilità: **personalizza i Rotating Rectifiers** nelle dimensioni per soddisfare qualsiasi esigenza; garantisce sempre **il massimo della sicurezza operativa dei prodotti**; assicura un accurato servizio di assistenza pre e post vendita.

PUNTI DI FORZA ED APPLICAZIONI



AC/DC

ALIMENTATORI



ENERGIA
EOLICA



TRASPORTO

TECHNICAL SPECS AS STRENGTHS

- > Rotating speed: 1500 rpm
- > $I_d = 30\text{ A} \div 300\text{ A}$
- > $V_{rrm} = 800\text{ V} \div 2000\text{ V}$
- > Low V_f
- > Reduced overall dimensions

APPLICATION FIELDS

- > Wind energy
- > Hydro energy
- > Rail and naval transport
- > Aeroportual equipments
- > Hospital sub-stations
- > Rotating UPS
- > AC brushless generators
- > Energy recovery in hybrid and e-mobility

OCRAM provides its customers with the highest quality standards; we can satisfy our customers' needs by **dimensionally customizing** our rotating rectifiers, guaranteeing **the most accurate operational safety standards and ensuring** a total customer care.

STRENGTHS AND APPLICATIONS



AC/DC

POWER
SUPPLIES



WIND
ENERGY



TRANSPORT
EQUIPMENT

PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

Id = 30 A Weight = 220 g

Article	Description	VR	Varistor*	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
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RS 132

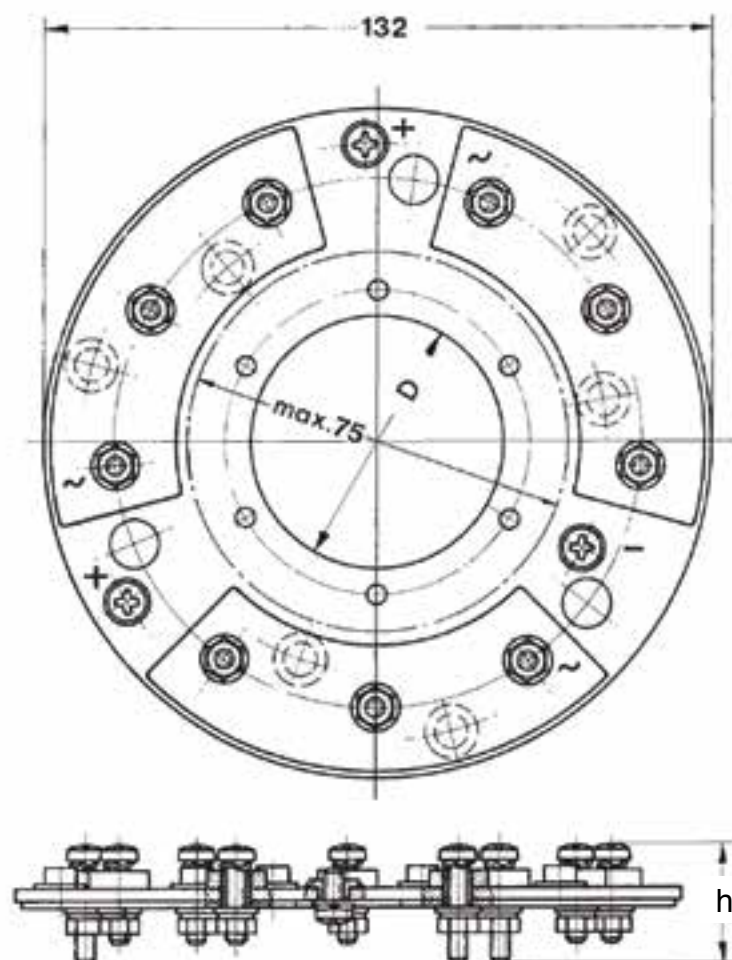
32742200	RS 132/12	1200 V	NO	50	60	4,2	33
30139590	RS 132/08	800 V	NO	35	42	2	33
30139595	RS 132/08	800 V	NO	55,2	62,5	2	33
32706500	RS 132/08	800 V	NO	60	71	4,2	33
30119680	RS 132V12	1200 V	YES 680V	50	60	4,2	33
30119690	RS 132V08	800 V	YES 330V	50	60	4,2	33

* Datasheet su richiesta / datasheet upon request



RS 132

> DS_OCR_O2
REV. 00 - 18/04/2010



Il **diametro interno D** così come il numero, la **posizione e le dimensioni dei fori di fissaggio** possono variare a seconda della richiesta dell'utente, fino alla dimensione massima proposta nel disegno.

Altre dimensioni sono disponibili su richiesta (a seconda della quantità di ordine).
Per ulteriori informazioni, si prega di contattare l'ufficio vendite **OCRAM**.

The **internal diameter D** as well as the number, position and sizes of the fixing holes may be varied according to the demand of the user, up to the maximum dimension given in the drawing.

Other dimensions are available upon request (depending upon order quantity).
For more information, please contact your local **OCRAM sales office**.

PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

> DS_OCR_O2
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Id = 50 A Weight = 500 g

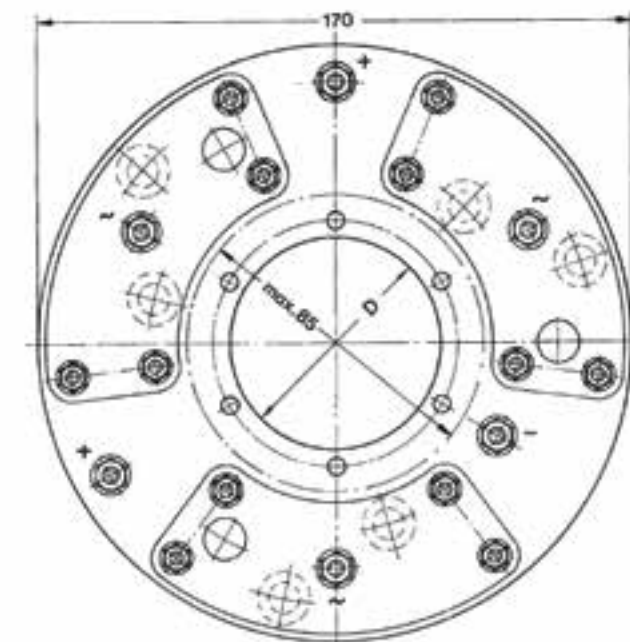
Article	Description	VR	Varistor*	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
RS 170							
32738300	RS 170/12	1200 V	NO	65	75	5,3	39
30118110	RS 170/12	1200 V	NO	60	70	5,3	34
30868670	RS 170/08	800 V	NO	38	49	5,9	34
30139460	RS 170V08	800 V	YES-250V	60	70	4,8	33,5
30116870	RS 170V08	800 V	YES-250V	60	70	4,8	33,5
30118120	RS 170V12	1200 V	YES-420V	60	70	4,8	28,8
32700700	RS 170V08	800 V	YES-250V	35	40	2	28,8

* Datasheet su richiesta / datasheet upon request

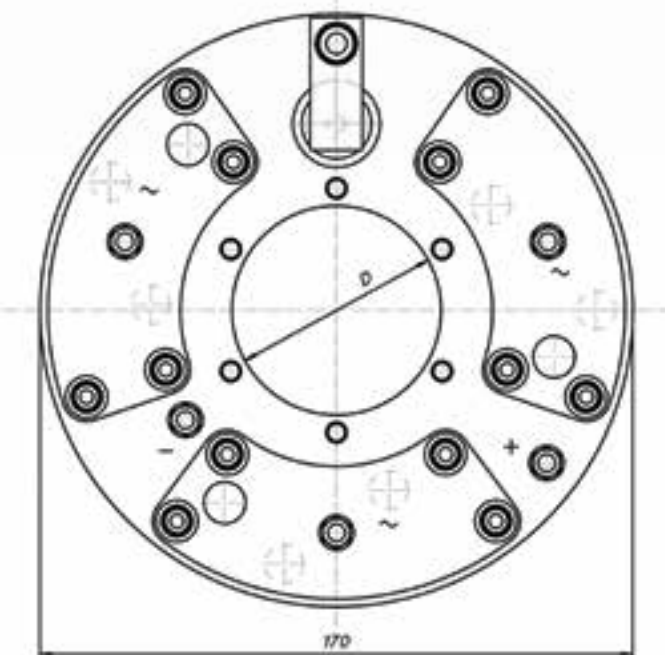
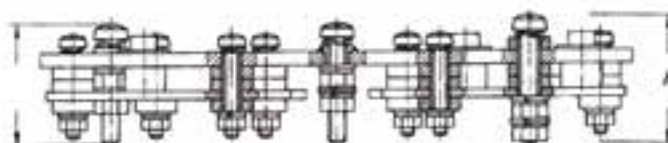


RS 170

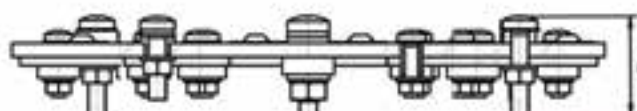
> DS_OCR_O2
REV. 00 - 18/04/2010



SENZA VARIATORE (NO)
WITHOUT VARISTOR (NO)



CON VARIATORE (YES)
WITH VARISTOR (YES)



PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

> DS_OCR_O2
REV. 00 - 18/04/2010

> **Id = 70 A Weight = 800 g**

Article	Description	VR	Varistor*	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
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> **RS 260**

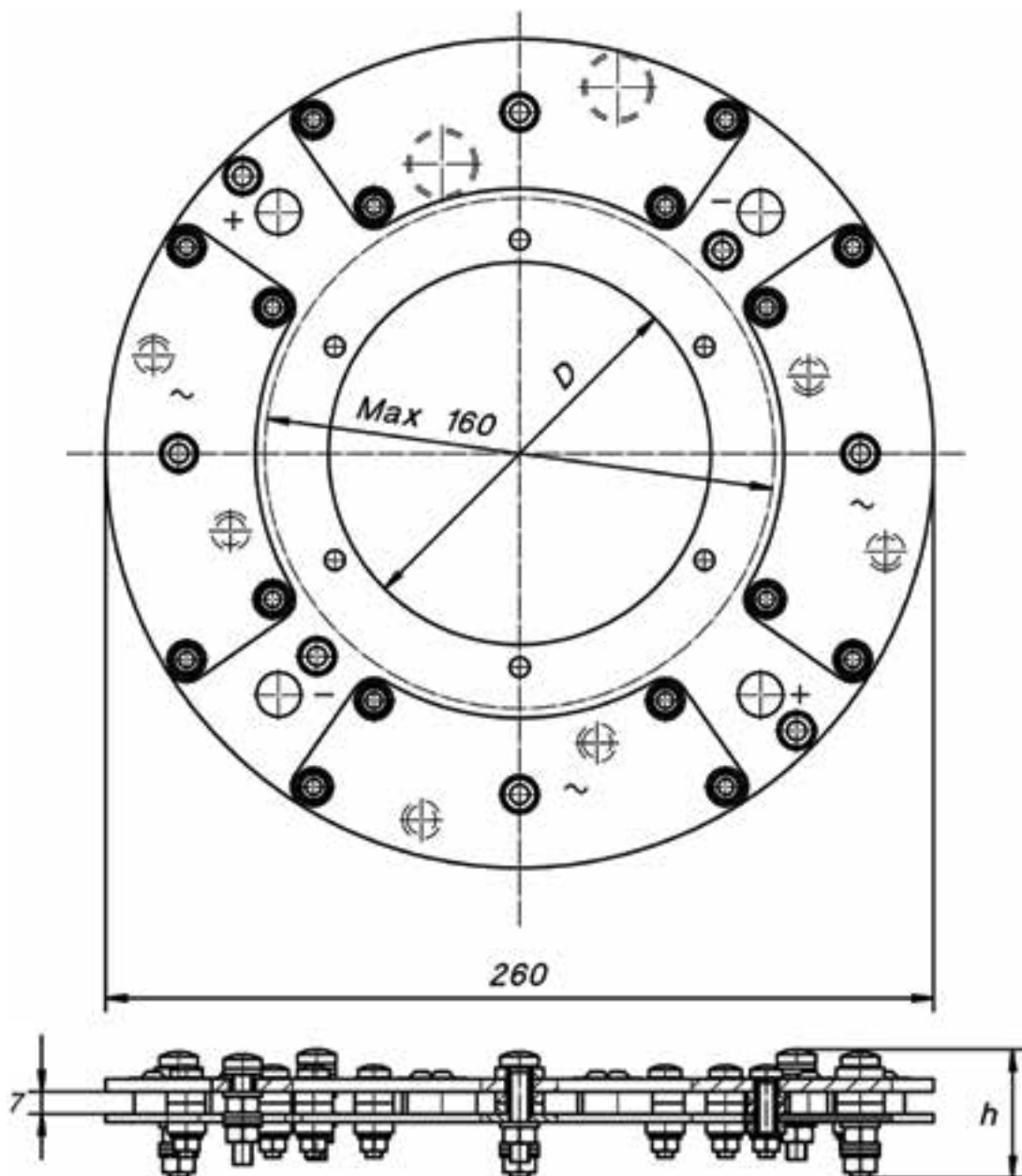
30139580	RS 260V08	800 V	YES-250V	120	134	5,3	39,6
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* Datasheet su richiesta / datasheet upon request



RS 260

> DS_OCR_O2
REV. 00 - 18/04/2010



PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

> DS_OCR_O2
REV. 00 - 18/04/2010

Id = 120 A Weight = 800 g

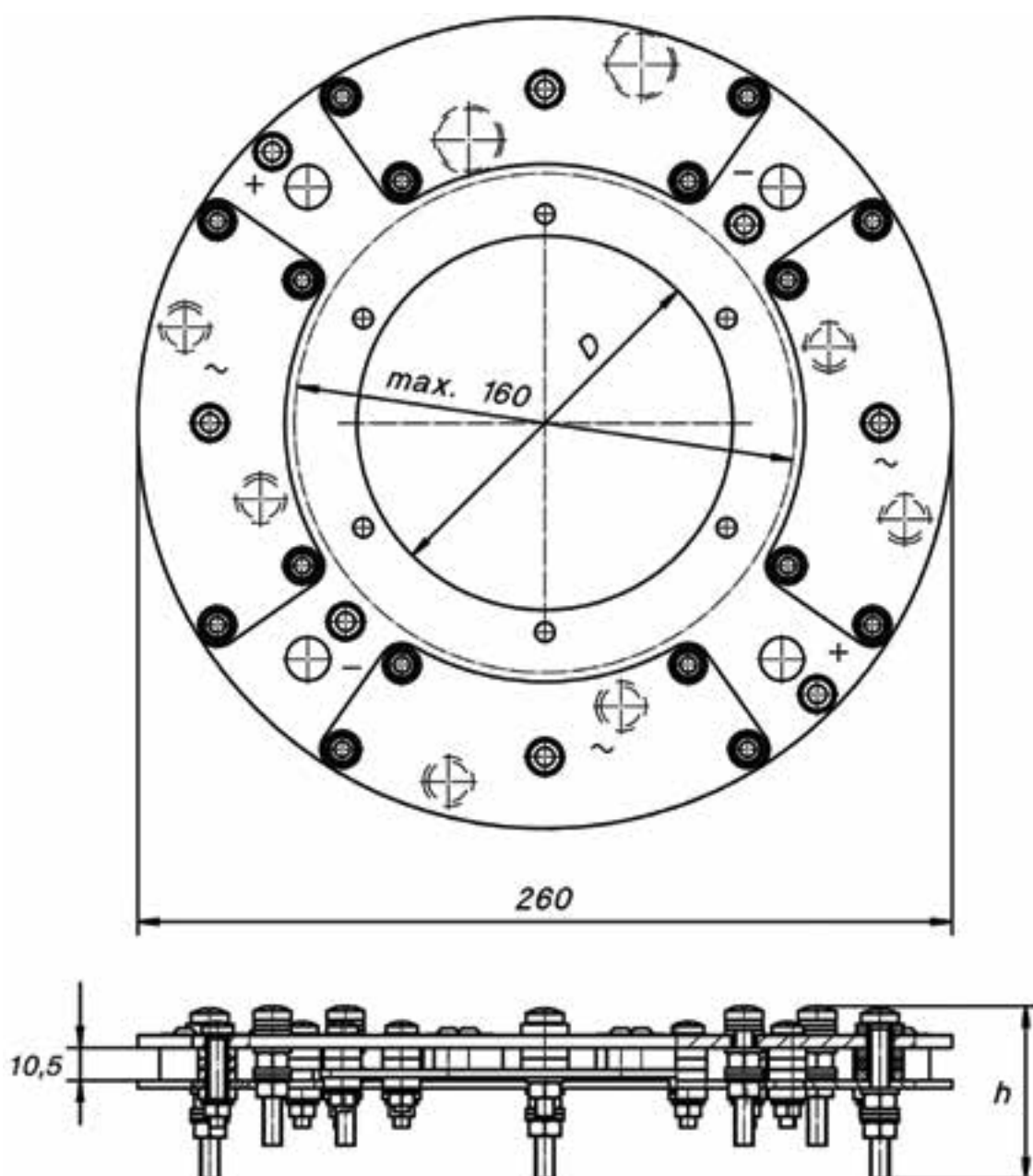
Article	Description	VR	Varistor*	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
RS 261							
30118130	RS 261/12	1200 V	NO	120	134	5,3	46
32742300	RS 261/12	1200 V	NO	120	134	6,2	60
30118140	RS 261V12	1200 V	YES-2x 250V	120	134	5,3	46
30118140-03	RS 261V12	1200 V	YES-2x 250V	120	134	6,5	46
32744300	RS 261V12	1200 V	YES-2x 250V	120	134	6,2	60

* Datasheet su richiesta / datasheet upon request



RS 261

> DS_OCR_O2
REV.00 - 18/04/2010



PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

> DS_OCR_O2
REV. 00 - 18/04/2010

> **Id = 170 A Weight = 900 g**

Article	Description	VR	Varistor	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
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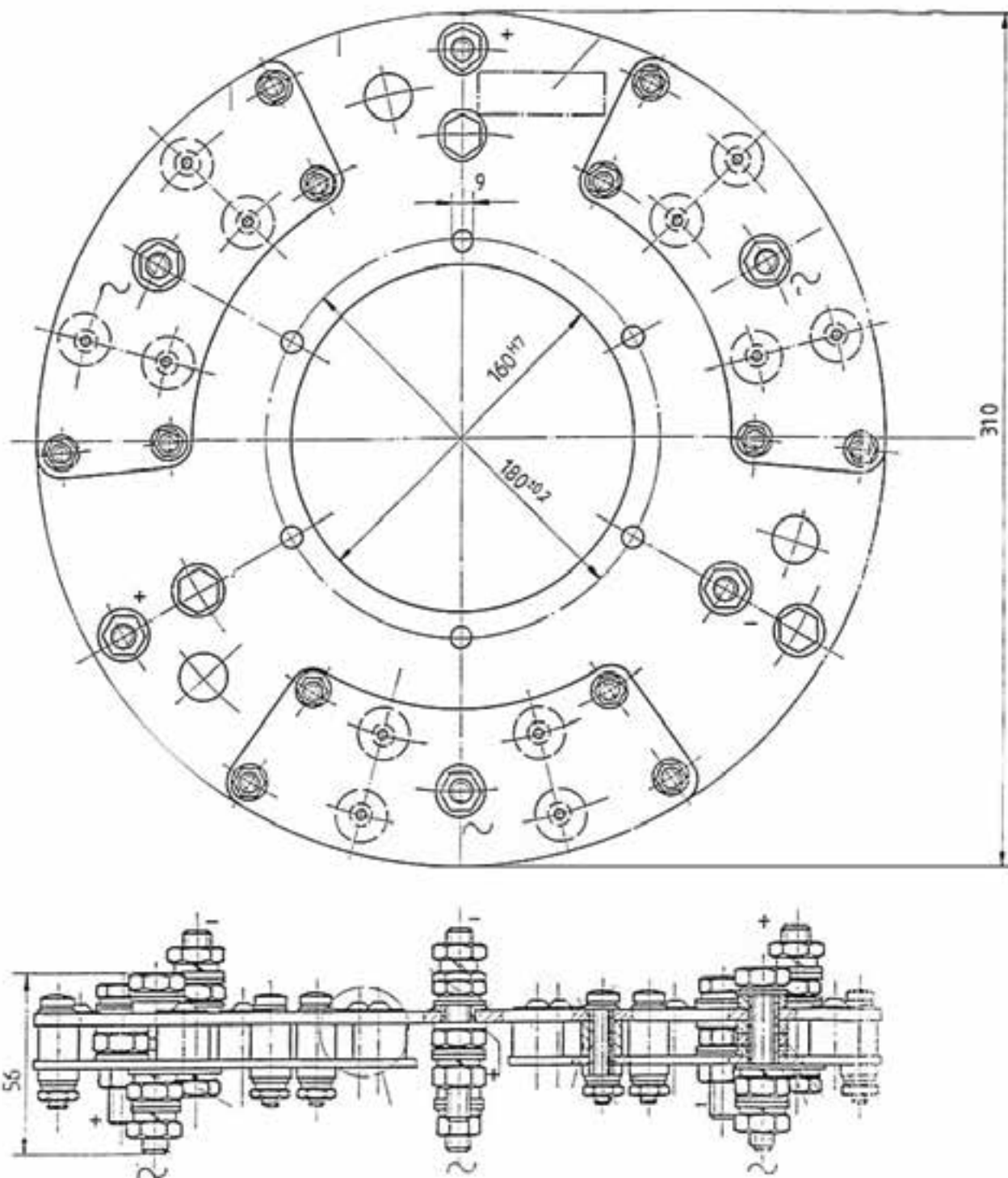
> **RS 310**

30870060	RS 310/12	1200 V	NO	160	180	9	70
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RS 310

> DS_OCR_O2
REV.00 - 18/04/2010



PONTI RADDRIZZATORI PER SISTEMI ROTANTI

ROTATING SILICON RECTIFIER ASSEMBLIES

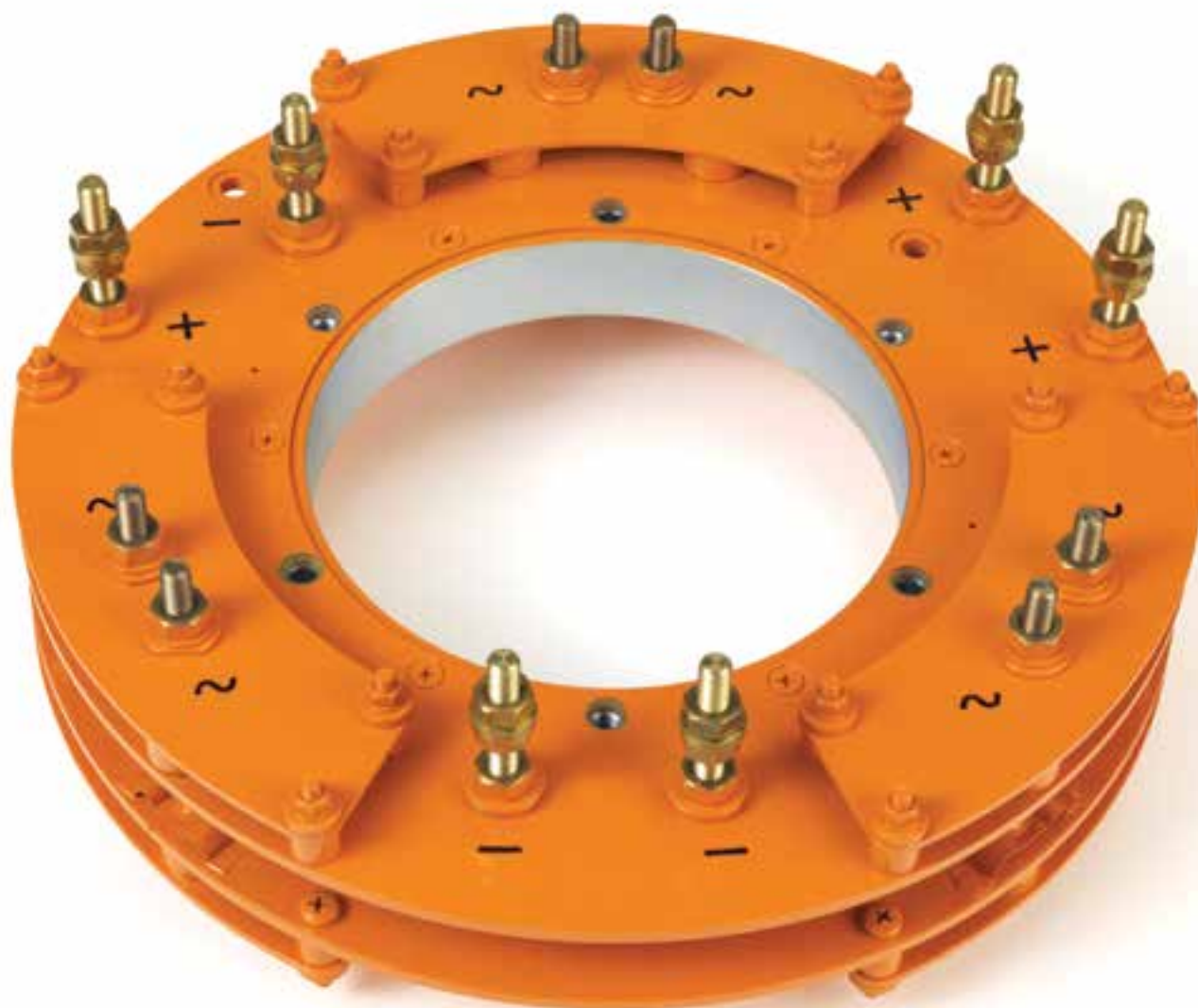
> DS_OCR_O2
REV. 00 - 18/04/2010

> **Id = 300 A Weight = 3800 g**

Article	Description	VR	Varistor	ID mm (D)	Diameter Between fixing holes	Fixing holes mm	Height mm (h)
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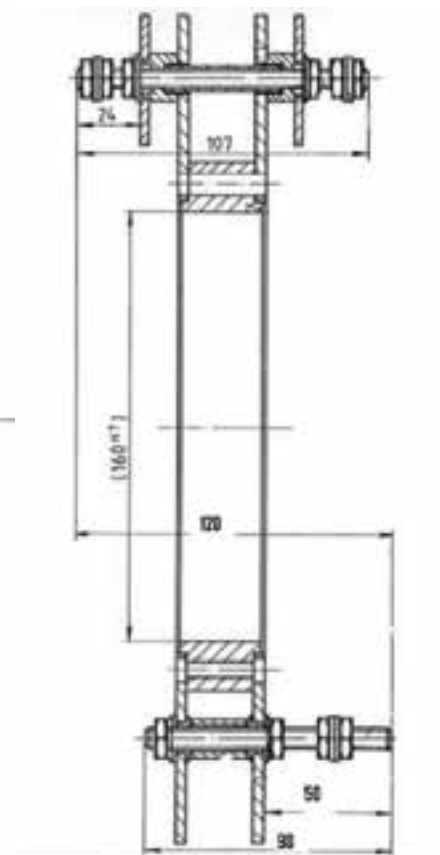
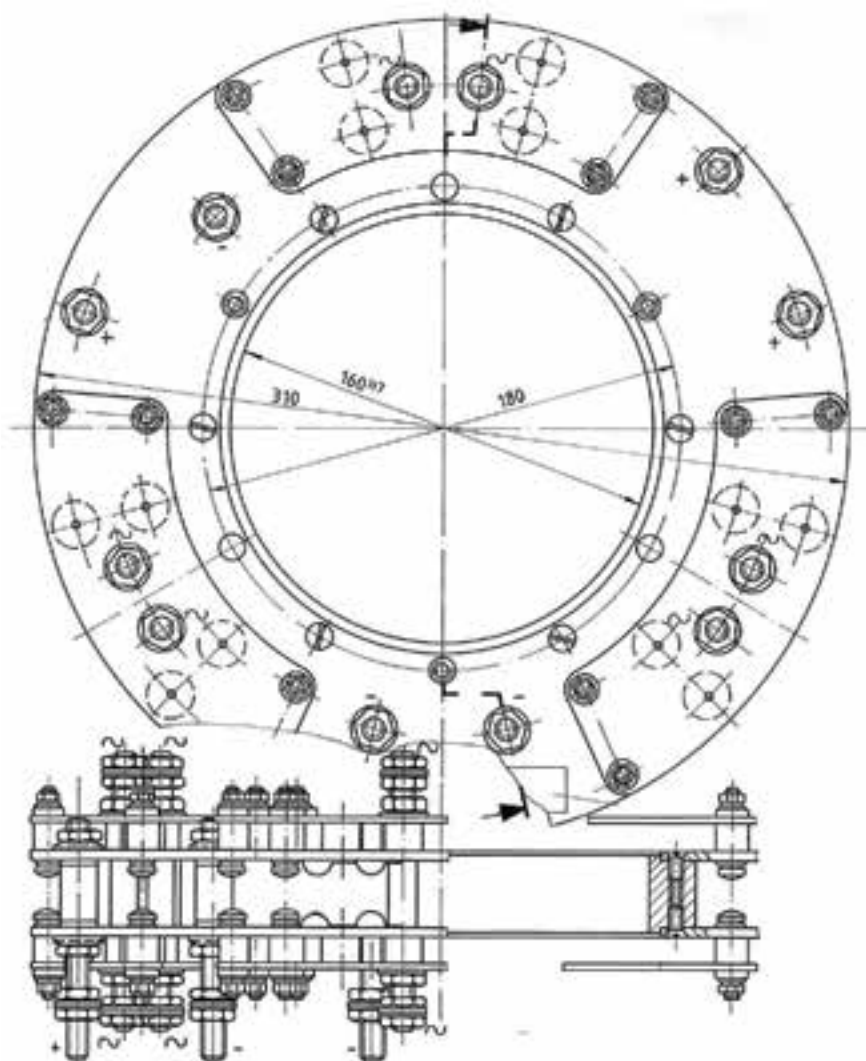
> **Tandem**

30869820-01	RS 310/12-14	1200/ 1400 V	NO	160	180	9	120
30869820 AT	RS 310/18-20	1800/ 2000 V	NO	160	180	9	120



Tandem

> DS_OCR_O2
REV. 00 - 18/04/2010



CONTATTI

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