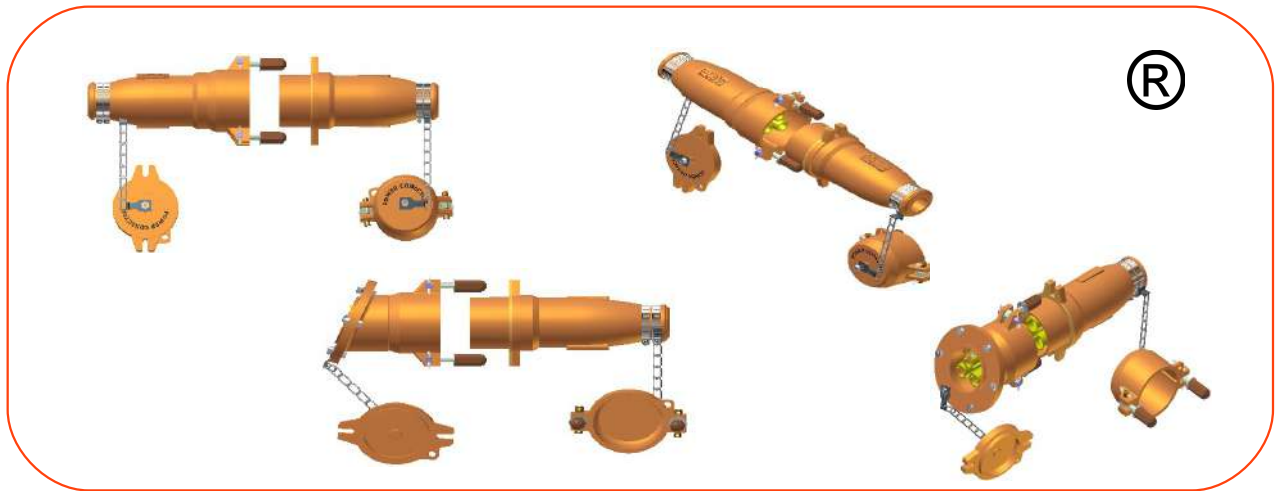




 **POWERMAX**
1º FABRICANTE PERUANO DE CONECTORES CERTIFICADOS HASTA MEDIA TENSIÓN

COUPLERS UP TO 2kV – PORTABLE CABLE SYSTEMS COUPLERS



Couplers are utilized in surface and underground mining, strip, and pit operations. Couplers provide safe, convenient means for connecting portable cable rated up to 2000 V and up to 420 Amperes (Please contact if you request higher amperes) copper conductor to equipment: pumps, scoops, drag lines, loaders, barges, tunneling, portable junction boxes, or for joining lengths of low voltage cables.

Features and Benefits.

- Housing material:
 - ➔ PMB and MA Series: High impact resistance aluminum ASTM/ALCAN.
 - ➔ PM Series: High impact resistance rubber and aluminum.
- Rubber insulation that resists cracks or other defects that can lead to electrical tracking.
- Male and female contacts copper 99.9% ASTM B-187
- An entrance fitting, consisting of a cable clamp and seal arrangement, that will provide a secure cable grip and watertight seal.
- Weatherproof: IP67.
- Replaceable parts.

Standards and Tested.

- IEEE-48 Standard for Test Procedures and Requirements for Alternating-Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV
- D.S 023-2017 of the Ministry of Energy and Mines in Peru-Health and Safety regulations in mining (Before D.S 055-2010).
- ANSI/NEMA WC58 ICEA S-75-381: Portable and power feeder cables for use in mines and similar applications.
- IEC 60529: Degrees of protection provided by enclosures for electrical equipment with a rated voltage not exceeding 72,5 kV.
- CAN/CSA M421: The ground pin makes first and breaks last and the pilot pin makes last and breaks first.

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Product Code.

Coupler 160A (3Phase+1Ground+1Pilot)*			
Catalog Number	Type	Cable range	Ref.Image
PMB9345-10	Female	8- 2 AWG (10-35mm ²)	
PMB9345-11	Male	8- 2 AWG (10-35mm ²)	
PM9345-10SP	Female	8- 2 AWG (10-35mm ²)	
PM9345-11SP	Male	8- 2 AWG (10-35mm ²)	
MA9345-20 SP	Socket Female	8- 2 AWG (10-35mm ²)	
MA9345-21 SP	Socket Male	8- 2 AWG (10-35mm ²)	
MA9345-20 SPI 20°	Socket Female with inclination 20°.	8- 2 AWG (10-35mm ²)	

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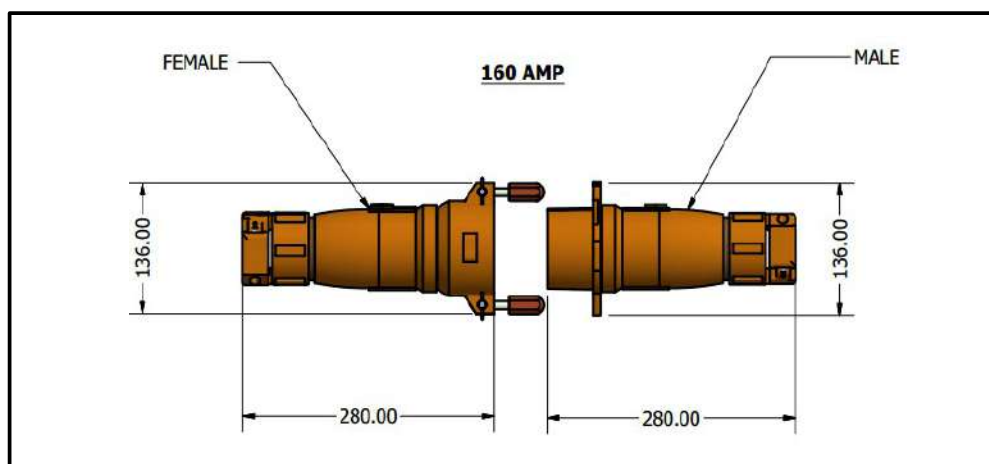
Coupler 250A (3Phase+1Ground+1Pilot)*			
Catalog Number	Type	Cable range	Ref.Image
PMB9347-1012	Female	1-2/0 AWG (50-70mm ²)	
PMB9347-1011	Male	1-2/0 AWG (50-70mm ²)	
PM9347-1012SP	Female	1-2/0 AWG (50-70mm ²)	
PM9347-1011SP	Male	1-2/0 AWG (50-70mm ²)	
MA9347-1014 SP	Socket Female	1-2/0 AWG (50-70mm ²)	
MA9347-1013 SP	Socket Male	1-2/0 AWG (50-70mm ²)	
MA9347-1014 SPI 20°	Socket Female with inclination 20°.	1-2/0 AWG (50-70mm ²)	

Coupler 400A (3Phase+1Ground+1Pilot)*			
Catalog Number	Type	Cable range	Ref.Image
PMB9347-2022	Female	3/0-4/0 AWG (95-120mm ²)	
PMB9347-2021	Male	3/0-4/0 AWG (95-120mm ²)	
PM9347-2022SP	Female	3/0-4/0 AWG (95-120mm ²)	
PM9347-2021SP	Male	3/0-4/0 AWG (95-120mm ²)	
MA9347-2024 SP	Socket Female	3/0-4/0 AWG (95-120mm ²)	
MA9347-2023 SP	Socket Male	3/0-4/0 AWG (95-120mm ²)	
MA9347-2024 SPI 20°	Socket Female with inclination 20°	3/0-4/0 AWG (95-120mm ²)	

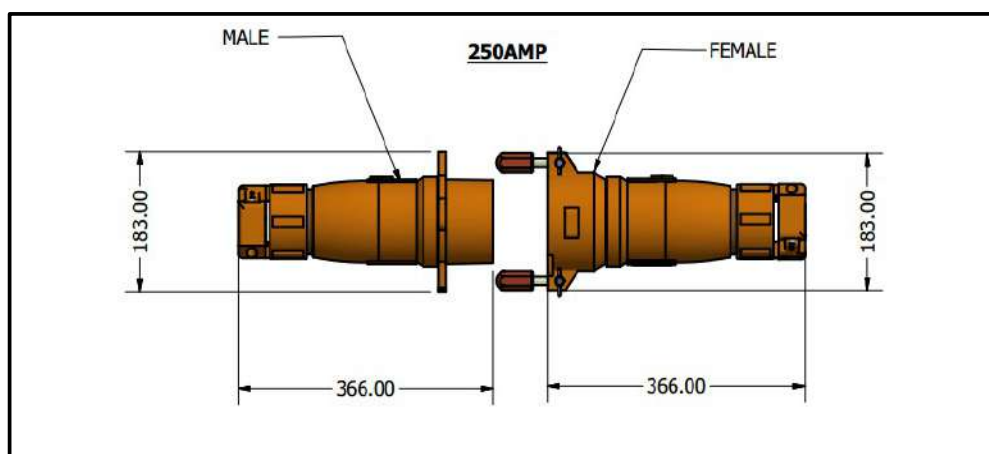
Coupler 420A (3Phase+1Ground+1Pilot)*			
Catalog Number	Type	Cable range	Ref.Image
PMB9349-3032	Female	250-350 MCM (150-185mm ²)	
PMB9349-3031	Male	250-350 MCM (150-185mm ²)	
PM9349-3032SP	Female	250-350 MCM (150-185mm ²)	
PM9349-3031SP	Male	250-350 MCM (150-185mm ²)	
MA9349-3034 SP	Socket Female	250-350 MCM (150-185mm ²)	
MA9349-3033 SP	Socket Male	250-350 MCM (150-185mm ²)	
MA9349-3034 SPI 20°	Socket Female with inclination 20°.	250-350 MCM (150-185mm ²)	

*For other configurations or control cables, please contact

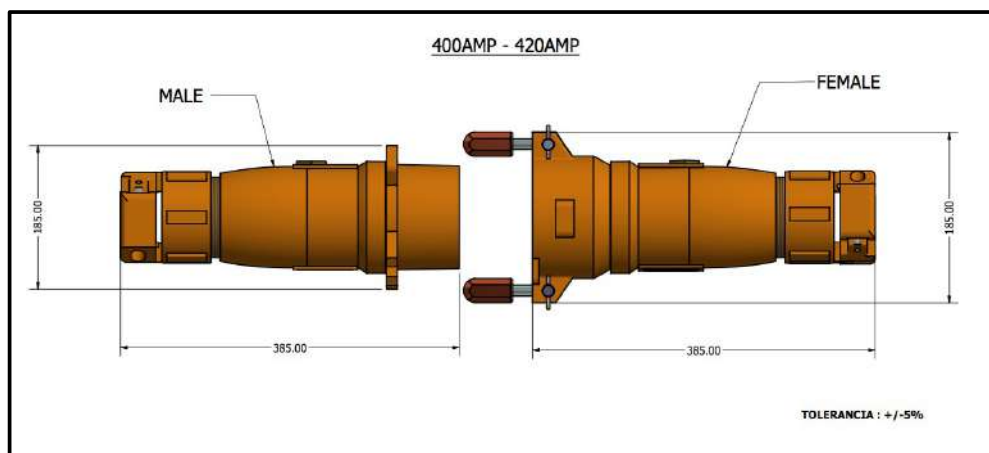
Dimensions.

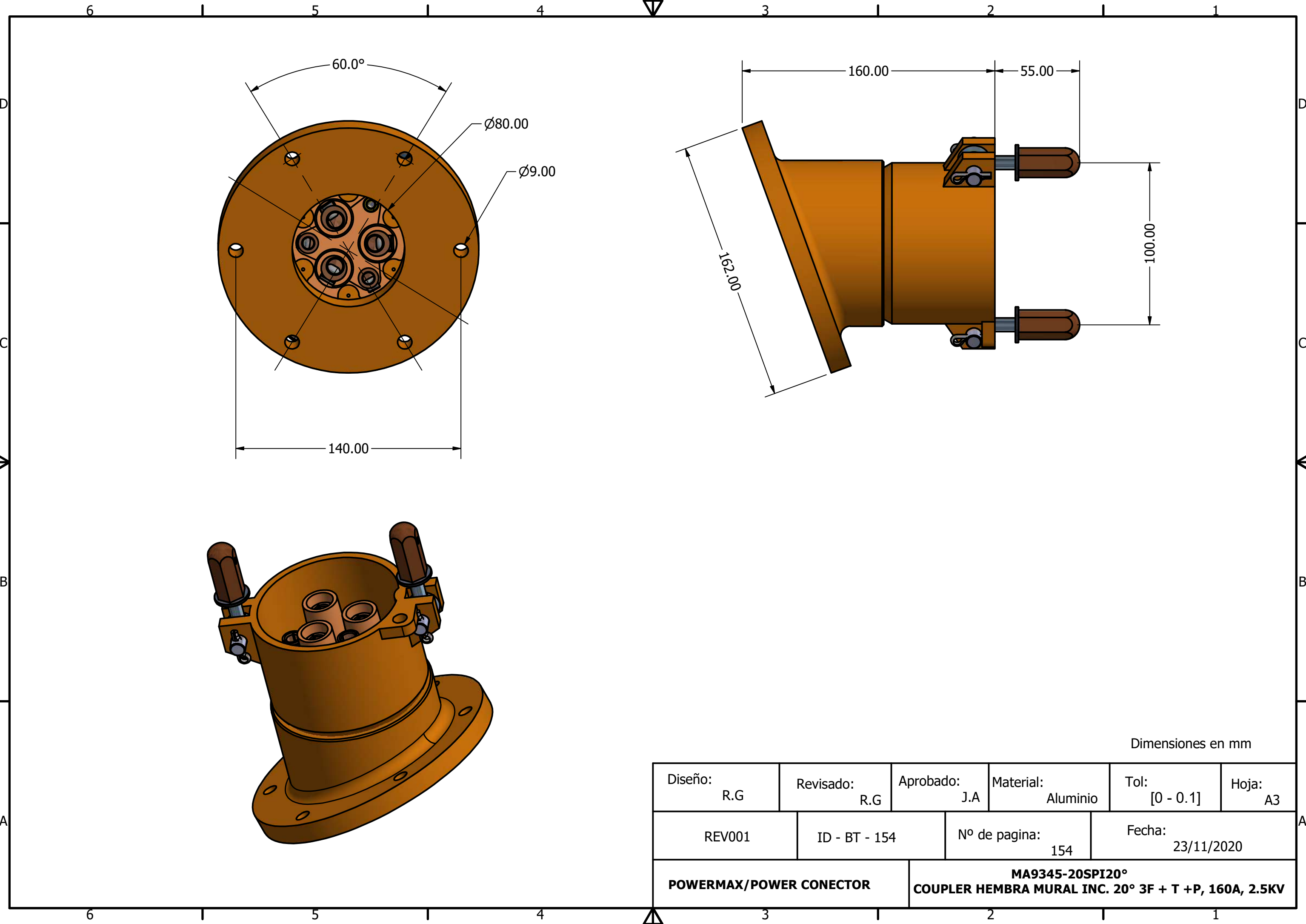


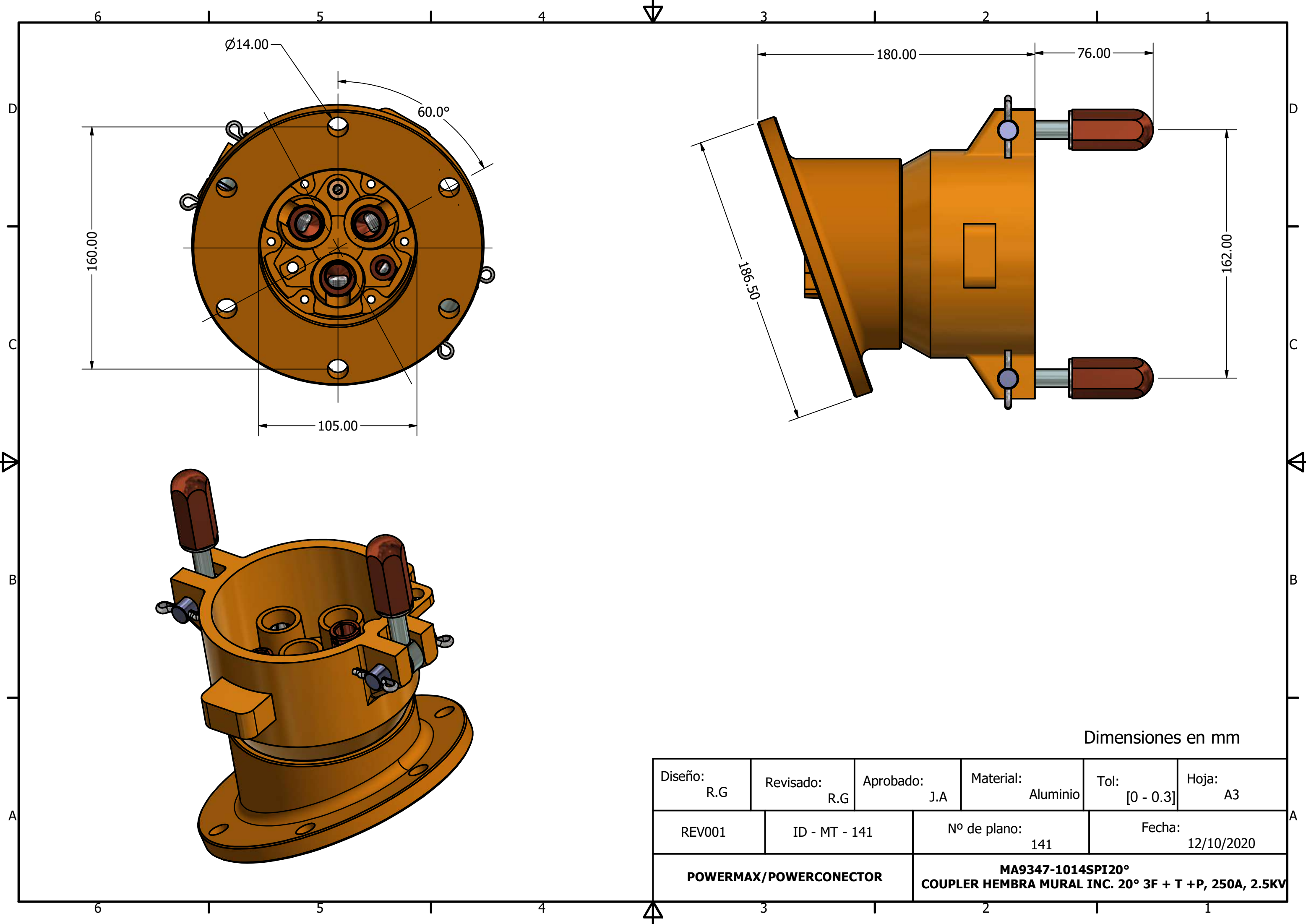
Tolerance: +/- 5%



Tolerance: +/- 5%

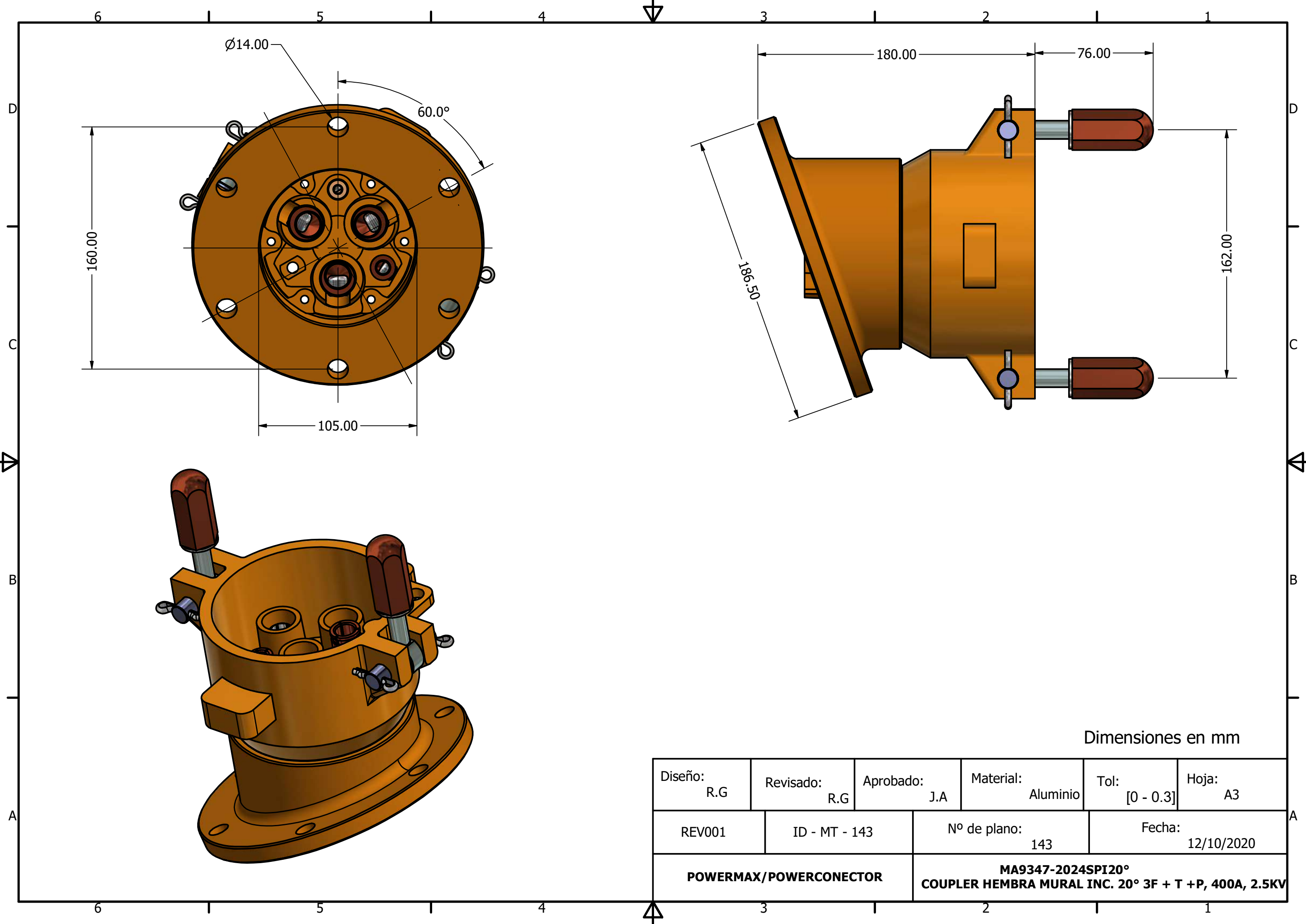






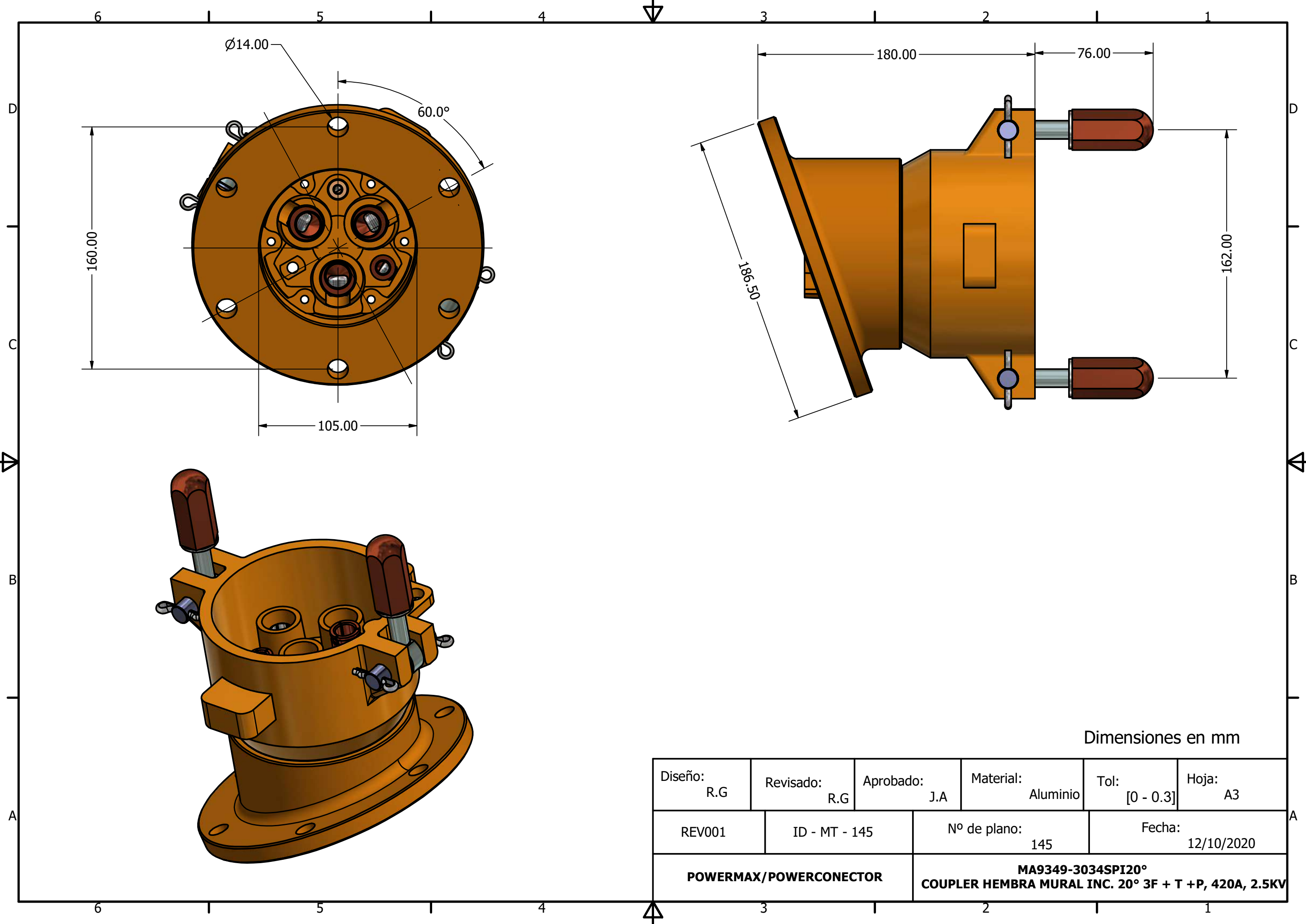
Dimensiones en mm

Diseño: R.G	Revisado: R.G	Aprobado: J.A	Material: Aluminio	Tol: [0 - 0.3]	Hoja: A3
REV001	ID - MT - 141	Nº de plano: 141		Fecha: 12/10/2020	
POWERMAX/POWERCONECTOR		MA9347-1014SPI20° COUPLER HEMBRA MURAL INC. 20° 3F + T + P, 250A, 2.5KV			



Dimensiones en mm

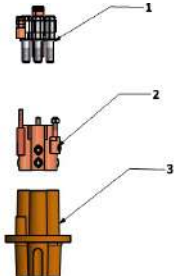
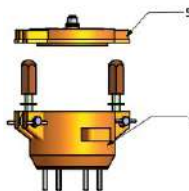
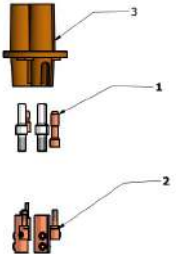
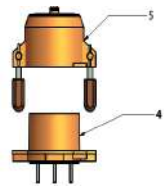
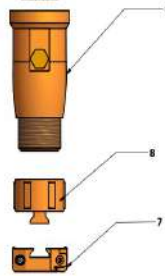
Diseño: R.G	Revisado: R.G	Aprobado: J.A	Material: Aluminio	Tol: [0 - 0.3]	Hoja: A3
REV001	ID - MT - 143	Nº de plano: 143	Fecha: 12/10/2020		
POWERMAX/POWERCONECTOR		MA9347-2024SPI20° COUPLER HEMBRA MURAL INC. 20° 3F + T + P, 400A, 2.5KV			



Dimensiones en mm

Diseño: R.G	Revisado: R.G	Aprobado: J.A	Material: Aluminio	Tol: [0 - 0.3]	Hoja: A3
REV001	ID - MT - 145	Nº de plano: 145		Fecha: 12/10/2020	
POWERMAX/POWERCONECTOR		MA9349-3034SPI20° COUPLER HEMBRA MURAL INC. 20° 3F + T + P, 420A, 2.5KV			

REPLACEMENT SPARS

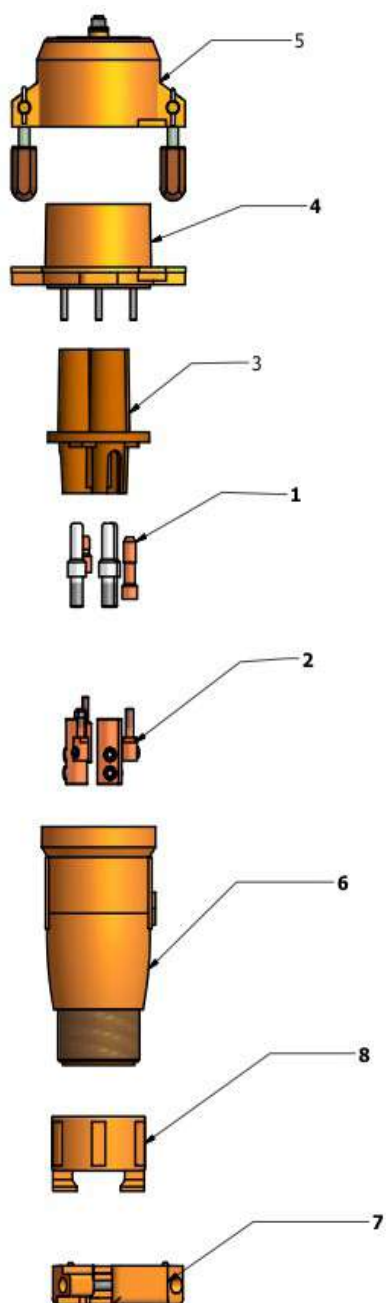
IMAGE	DESCRIPTION	CODE			
		160A	250A	400A	420A
	KIT FEMALE INSULATED WITH CONTACTS PIN (1,2,3).	PMFICP160	PMFICP250	PMFICP400	PMFICP420
	KIT FEMALE FLANGE WITH PROTECTION COVER (4,5).	PMFFPC160	PMFFPC250	PMFFPC400	PMFFPC420
	KIT MALE INSULATED WITH CONTACTS PIN (1,2,3).	PMMICP160	PMMICP250	PMMICP400	PMMICP420
	KIT MALE FLANGE WITH PROTECTION COVER (4,5).	PMMFPC160	PMMFPC250	PMMFPC400	PMMFPC420
	KIT FEMALE/MALE COUPLER BODY WITH CABLE GLAND (6,7,8).	PMFMBG160	PMFMBG250	PMFMBG400	PMFMBG420

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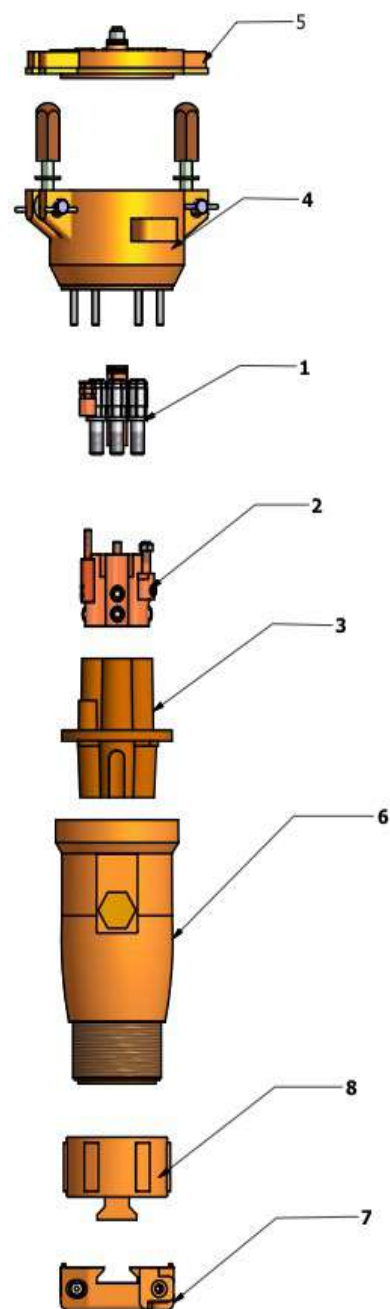
COUPLER ASSEMBLY

PMB SERIES

MALE COUPLER

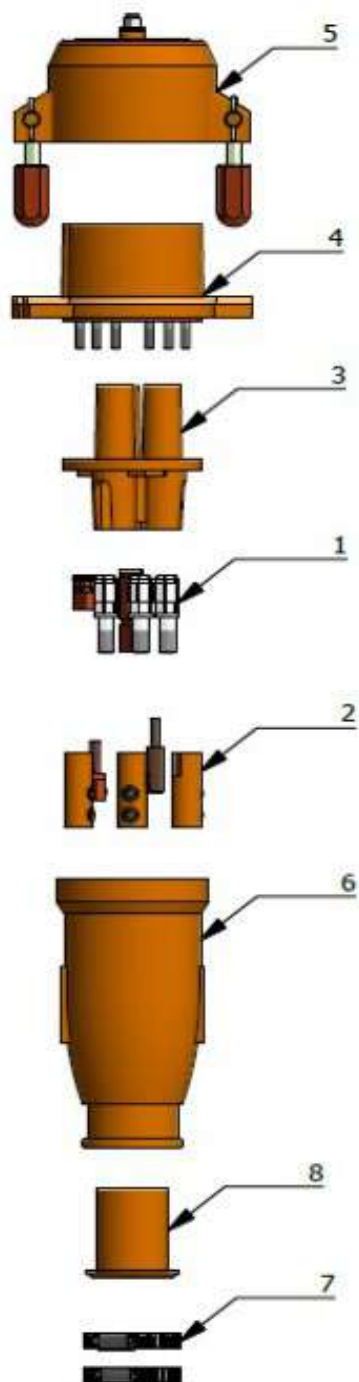


FEMALE COUPLER

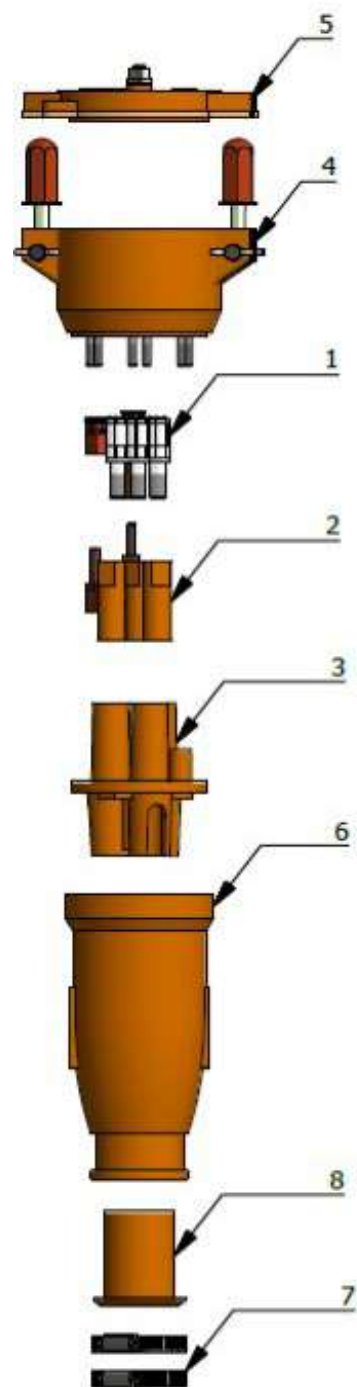


PM SERIES

MALE COUPLER



FEMALE COUPLER





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