

AGRO Rolling Stock Glands

Now
ASTM 1354
NFPA 130
Approved



Initial situation



After 10 minutes



After 20 minutes



After 30 minutes



After 35 minutes



After 44 minutes

AGRO Progress® - the ideal solution for rolling stock

AGRO Progress® metal cable glands can be used with confidence for any rolling stock application, in any arrangement, as has been recently certified.

The outstanding Progress® compression technology ensures tight seals and offers cables exceptional damage-preventing strain relief, even in dynamic applications. A comprehensive range of standard and EMC cable glands and accessories offers a solution for almost any application. Where the need arises, AGRO also delivers certified solutions according to customer requirements.

Exceeding the demands of EN 45545-3

EN 45545-3 defines the requirements for fire resistance of fire barriers. The aim of EN 45545-3 is to limit fire spread by specifying the performance of materials and components. If cables are routed through fire barriers, the requirements apply also to the cable glands used.

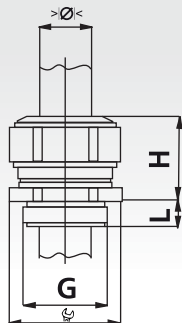
In order to establish whether or not the required fire resistance is achieved, components are tested in a testing furnace with respect to requirements for fire barrier, thermal insulation and radiation emission.

AGRO Progress® metal cable glands easily exceed the requirements of EN 45545-3 and satisfy the very high demands of fire resistance class E30. This means that the seal inserts remain impervious and prevent the spread of fire through the gland for at least 30 minutes. They do not crack or fissure. From a fire protection perspective, they can be used without hesitation in all railway vehicles.



AGRO Progress® MS Certified Rolling Stock Cable Glands

Short Entry Thread



Material: Nickel-plated brass
O-ring : NBR
Strain relief: According to EN 50262 version A
Temperature rang -50°C / +105°C
Protection class: IP 68
Protection addition IP 69K

Material sealing insert: Special AGRO TPE
Color sealing insert: Light grey RAL 7035
Threads: M12 to M63
Further norms: EN 50262 / IEC 62444



G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	Two-piece sealing insert	Art. No.	
M16x1.5	6.0	10.5	18	22	5		F1000.17	50
M20x1.5	8.0	15.0	24	23	6		F1000.20	50
M25x1.5	12.5	20.5	30	28	7		F1000.25	25
M32x1.5	17.0	25.5	36	28	8		F1000.32	25
M40x1.5	24.0	33.0	46	31	8		F1000.40	10
M50x1.5	33.0	42.0	55	34	9		F1000.50	10
M63x1.5	40.0	52.0	70	37	10		F1000.63	5

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G	>Ø< min mm	>Ø< max mm	mm	H mm	L mm	i info	One-piece sealing insert	Art. No.	
M12x1.5	3.5	5.0	15	17	10	-		F1160.12.050	50
M12x1.5	5.0	6.5	15	17	10	-		F1160.12.065	50
M12x1.5	6.5	7.5	15	17	10	-		F1160.12.075	50
M16x1.5	8.0	10.5	18	22	10	-		F1160.17.105	50
M20x1.5	11.0	14.5	24	23	10	-		F1160.20.145	50
M25x1.5	16.0	19.0	30	28	11	-		F1160.25.190	25
M32x1.5	21.0	25.5	36	28	13	-		F1160.32.255	25
M40x1.5	28.5	33.0	46	34	13	-		F1160.40.330	10
M50x1.5	37.0	42.0	55	34	14	-		F1160.50.420	10
M63x1.5	46.0	52.0	70	37	14	-		F1160.63.520	5

