

CONSTRUCTION PRODUCT REGULATION 305/2011 – DECLARATION OF PERFORMANCE

n°	010-CPR-2020-05-06 rev. 0.4
1.	<p>Unique identification code of the product-type</p> <p style="text-align: center;">Hinge Loira+</p> <p>7000VA – 7010VA – 7020VA – 7030VA – 7040VA – 7050VA – 7060VA – 7000 – 7000I – 7010 – 7010I – 7020 – 7030 – 7040 – 7040I – 7050 – 7050I – 7060 – 7070 – 7000V – 7000VI – 7010V – 7010VI – 7020V – 7030V – 7040V – 7040VI – 7050V – 7050VI – 7060V</p> <p>Related accessories:</p> <p>6603AA – 6603BA – 6603I – 6603XI – 6604AA – 6604BA – 6604I – 6604XI – 6605AA – 6605BA – 6605I – 6607A – 6607B – 6607C – 6607D – 6607E – 6607F – 6607G – 6607H – 6607M – 6607N – 6620AI – 6620V – 6621AI – 6621V – 6623V – 6625V – 6654 – 6654A – 6654B – 6654D – 6654D0626 – 6654E – 6654E0626 – 6663AV – 6663BVI – 6663CV – 6663DVI – 6665AMI – 6665CM – 6666S2 – 6666S4 – 6666S5 – 6666S7 – 6666S8 – 6666S85 – 6666S9 – 6666S10 – 6669S2 – 6669S4 – 6669S5 – 6669S7 – 6669S8 – 6669S85 – 6669S9 – 6669S10 – 6682I – 6683I – 6822</p>
	<p>7070VA – 7090VA – 7070V – 7090 – 7090V</p> <p>Related accessories:</p> <p>6603AA – 6603BA – 6603I – 6603XI – 6604AA – 6604BA – 6604I – 6604XI – 6605AA – 6605BA – 6605I – 6607A – 6607B – 6607C – 6607D – 6607E – 6607F – 6607G – 6607H – 6607M – 6607N – 6620AI – 6620V – 6621AI – 6621V – 6623V – 6625V – 6654 – 6654A – 6654B – 6654D – 6654D0626 – 6654E – 6654E0626 – 6663AV – 6663BVI – 6663CV – 6663DVI – 6665AMI – 6665CM – 6666S2 – 6666S4 – 6666S5 – 6666S7 – 6666S8 – 6666S85 – 6666S9 – 6666S10 – 6669S2 – 6669S4 – 6669S5 – 6669S7 – 6669S8 – 6669S85 – 6669S9 – 6669S10 – 6682I – 6683I – 6822</p>
	<p>7003VA – 7013VA – 7023VA – 7033VA – 7043VA – 7053VA – 7063VA – 7003 – 7013 – 7013I – 7023 – 7033 – 7043 – 7053 – 7063 – 7003V – 7013V – 7013VI – 7023V – 7033V – 7043V – 7053V – 7063V</p> <p>Related accessories:</p> <p>6603AA – 6603BA – 6603I – 6603XI – 6604AA – 6604BA – 6604I – 6604XI – 6605AA – 6605BA – 6605I – 6607A – 6607B – 6607C – 6607D – 6607E – 6607F – 6607G – 6607H – 6607M – 6607N – 6620AI – 6620V – 6621AI – 6621V – 6623V – 6625V – 6654 – 6654A – 6654B – 6654D – 6654D0626 – 6654E – 6654E0626 – 6663AV – 6663BVI – 6663CV – 6663DVI – 6665AMI – 6665CM – 6666S2 – 6666S4 – 6666S5 – 6666S7 – 6666S8 – 6666S85 – 6666S9 – 6666S10 – 6669S2 – 6669S4 – 6669S5 – 6669S7 – 6669S8 – 6669S85 – 6669S9 – 6669S10 – 6682I – 6683I – 6822</p>
	<p>7073VA – 7103A – 7073 – 7073V – 7093 – 7103</p> <p>Related accessories:</p> <p>6603AA – 6603BA – 6603I – 6603XI – 6604AA – 6604BA – 6604I – 6604XI – 6605AA – 6605BA – 6605I – 6607A – 6607B – 6607C – 6607D – 6607E – 6607F – 6607G – 6607H – 6607M – 6607N – 6620AI – 6620V – 6621AI – 6621V – 6623V – 6625V – 6654 – 6654A – 6654B – 6654D – 6654D0626 – 6654E – 6654E0626 – 6663AV – 6663BVI – 6663CV – 6663DVI – 6665AMI – 6665CM – 6666S2 – 6666S4 – 6666S5 – 6666S7 – 6666S8 – 6666S85 – 6666S9 – 6666S10 – 6669S2 – 6669S4 – 6669S5 – 6669S7 – 6669S8 – 6669S85 – 6669S9 – 6669S10 – 6682I – 6683I – 6822</p>
	<p>7100A – 7110A – 7120A – 7100 – 7100I – 7110</p> <p>Related accessories:</p> <p>6603AA – 6603BA – 6603I – 6603XI – 6604AA – 6604BA – 6604I – 6604XI – 6605AA – 6605BA – 6605I – 6607A – 6607B – 6607C – 6607D – 6607E – 6607F – 6607G – 6607H – 6607M – 6607N – 6620AI – 6620V – 6621AI – 6621V – 6623V – 6625V – 6654 – 6654A – 6654B – 6654D – 6654D0626 – 6654E – 6654E0626 – 6663AV – 6663BVI – 6663CV – 6663DVI – 6665AMI – 6665CM – 6666S2 – 6666S4 – 6666S5 – 6666S7 – 6666S8 – 6666S85 – 6666S9 – 6666S10 – 6669S2 – 6669S4 – 6669S5 – 6669S7 – 6669S8 – 6669S85 – 6669S9 – 6669S10 – 6682I – 6683I – 6822</p>
2.	<p>Intended use Use on standard or smoke doors on escape routes</p>
3.	<p>Manufacturer FAPIM S.p.A. – Via delle Cerbaie, 114 – 55011 Altopascio (LU) – Italy</p>
4.	<p>System AVCP System 1</p>
5.	<p>Harmonised standard EN 1935:2002 / AC:2003</p>
6.	<p>Notified body n° 0497 - CSI S.p.A. - Viale Lombardia, 20 – 20021 Bollate (MI) – Italy</p>

DECLARED PERFORMANCE				
Essential characteristics		Performance	Harmonised technical specification	
7.	Self closing § 5.1 – 5.2 - 5.3 - 5.6	§ 5.1 initial friction torque measurements	≤ 4 Nm	EN 1935:2002 / AC:2003
		§ 5.2.1 static load: load-deformation	Lateral displacement under load: ≤ 2 mm Vertical displacement under load: ≤ 4 mm Lateral and vertical residual displacements after unloading are within the shaded area in fig. G1 No breakage nor any cracking or deformation visible to normal or corrected vision	
		§ 5.2.2 static load: overload	No breakage nor any cracking or deformation visible to normal or corrected vision The hinge is still connected to the frame	
		§ 5.3 shear strength	Loira+ and TR 2 knuckles: suitability Loira+ and TR 3 knuckles: not suitability	
		§ 5.6 hinges for use on fire-resistant and / or smoke-control doors	Suitability	
Durability § 5.4 – 5.5 – 5.8	§ 5.4 durability; number of cycles	200.000 – grade 7		
	§ 5.4 durability: lateral and vertical wear	The lateral and vertical wear are within the shaded area in fig. G2		
	§ 5.4 durability: maximum permissible frictional torque measured after the first 20 cycles and after completion of the test	≤ 4 Nm		
	§ 5.5 corrosion resistance	Grade 4 (240 h): very high resistance, according to EN 1670		
	§ 5.8 families of hinges with common design features	Loira+		
Dangerous substances	Note 1 annex ZA.1	Materials in products don't contain or release any dangerous substances in excess of the maximum levels specified in existing European material standards or any national regulations		

Classification of the hinge			Loira+ 2 knuckles	Regulation 305/2011		Art. 6 § 3 - d	
4	7	7	1	1	4	0	14
Category of use	Durability	Mass of the door	Fire / smoke suitability	Safety	Corrosion resistance	Security – Burglar resistance	Hinge grade

Classification of the hinge			Loira+ 3 knuckles	Regulation 305/2011		Art. 6 § 3 - d	
4	7	7	1	1	4	0	14
Category of use	Durability	Mass of the door	Fire / smoke suitability	Safety	Corrosion resistance	Security – Burglar resistance	Hinge grade

Classification of the hinge			Loira+ 2 knuckles: art. 7070VA – 7090VA	Regulation 305/2011		Art. 6 § 3 - d	
4	7	6	1	1	4	0	13
Category of use	Durability	Mass of the door	Fire / smoke suitability	Safety	Corrosion resistance	Security – Burglar resistance	Hinge grade

Classification of the hinge			Loira+ TR 3 knuckles: art. 7073VA – 7103A		Regulation 305/2011		Art. 6 § 3 - d	
4	7	6	1	1	4	0	13	
Category of use	Durability	Mass of the door	Fire / smoke suitability	Safety	Corrosion resistance	Security – Burglar resistance	Hinge grade	

Classification of the hinge			Loira+ TR 2 knuckles: art. 7100A – 7110A – 7120A		Regulation 305/2011		Art. 6 § 3 - d	
4	7	5	1	1	4	0	12	
Category of use	Durability	Mass of the door	Fire / smoke suitability	Safety	Corrosion resistance	Security – Burglar resistance	Hinge grade	

8.	The performance of the above product complies with the declared performances. According to the (UE) regulation 305/2011, the current declaration of responsibility is issued under the sole responsibility of the above mentioned manufacturer	
	Name	Ing. Raffaele Vezzosi
	Function	Quality System and Product Certification manager
	Altopascio, 2020/05/06	