

UNIVERSITY OF BASILICATA
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PRICE LIST
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Year 2018

1. TESTING ON ANTISEISMIC DEVICES

1.1	Setup of test apparatus DYNAMIC - SCHENCK Maximum Load: horizontal $\pm 250\text{kN}$ - vertical 350kN Maximum Displacement: $\pm 125\text{mm}$	€	150,00
1.2	Setup of test apparatus DYNAMIC - MTS Maximum Load: horizontal $\pm 1000\text{kN}$ - vertical 8000kN Maximum Displacement: $\pm 500\text{mm}$	€	300,00
1.3	Setup of test apparatus DYNAMIC - MTS Maximum Load: horizontal $\pm 500\text{kN}$ Maximum Displacement: $\pm 250\text{mm}$	€	400,00
1.4	Setup of test apparatus STATIC - SCHENCK Maximum Load: horizontal $\pm 630\text{kN}$ Maximum Displacement: $\pm 125\text{mm}$	€	400,00
1.5	Couple of Elastomeric Isolators ($\phi \leq 200\text{mm}$) fixing plates not included ^{(1), (2)} Test apparatus: DYNAMIC - SCHENCK (see §1.1)		
1.5.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 11)		
	from 1 to 2 couples – for each couple	€	500,00
	from the following 3 to 5 couples – for each couple	€	450,00
	from the following 6 to 10 couples – for each couple	€	400,00
	from the following 11 or more couples – for each couple	€	350,00
1.5.2	Type Test / <i>Prova di qualifica</i> without aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 1.200,00
1.5.3	Type Test / <i>Prova di qualifica</i> with aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 1.600,00
1.6	Single Elastomeric Isolator ($200\text{mm} < \phi \leq 500\text{mm}$) fixing plates not included ^{(1), (2)}		
1.6.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 11)		
	from 1 to 4 devices – for each device	€	700,00
	from the following 5 to 10 devices – for each device	€	650,00
	from the following 11 to 20 devices – for each device	€	550,00
	from the following 21 or more devices – for each device	€	500,00
1.6.2	Type Test / <i>Prova di qualifica</i> without aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 2.500,00
1.6.3	Type Test / <i>Prova di qualifica</i> with aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 3.000,00
1.7	Single Elastomeric Isolator ($500\text{mm} < \phi \leq 700\text{mm}$) fixing plates not included ^{(1), (2)}		
1.7.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 11)		
	from 1 to 4 devices – for each device	€	800,00
	from the following 5 to 10 devices – for each device	€	700,00
	from the following 11 to 20 devices – for each device	€	600,00
	from the following 21 or more devices – for each device	€	500,00
1.7.2	Type Test / <i>Prova di qualifica</i> without aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 3.000,00
1.8	Single Elastomeric Isolator ($700\text{mm} < \phi \leq 900\text{mm}$) fixing plates not included ^{(1), (2)}		
1.8.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 11)		
	from 1 to 4 devices – for each device	€	1.100,00
	from the following 5 or more devices – for each device	€	900,00
1.8.2	Type Test / <i>Prova di qualifica</i> without aging (EN15129:2009-Tab. 11)	€	⁽³⁾ 4.000,00

1.9	Single Flat Surfaces Slider fixing plates not included ⁽¹⁾			
1.9.1	Factory production control test/ <i>Prova di accettazione</i> (EN 1337-2/EN15129:2009)			
		from 1 to 4 devices – for each device	€	700,00
		from the following 5 to 10 devices – for each device	€	650,00
		from the following 11 to 20 devices – for each device	€	550,00
		from the following 21 or more devices – for each device	€	500,00
1.9.2	Type Test / <i>Prova di qualifica</i> (EN 1337-2/EN15129:2009)		€	2.000,00
	φ: diameter of the sliding surface			
1.10	Single Curved Surfaces Slider fixing plates not included ⁽¹⁾			
1.10.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 15)			
	(200mm<φ≤500mm)	from 1 to 4 devices – for each device	€	600,00
		from the following 5 to 10 devices – for each device	€	500,00
		from the following 11 to 20 devices – for each device	€	400,00
		from the following 21 or more devices – for each device	€	350,00
1.10.2	Type Test / <i>Prova di qualifica</i> (EN15129:2009-Tab. 15)		€	3.000,00
1.10.3	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab. 15)			
	(φ>500mm)	from 1 to 4 devices – for each device	€	1.000,00
		from the following 5 to 10 devices – for each device	€	900,00
		from the following 11 to 20 devices – for each device	€	800,00
		from the following 21 or more devices – for each device	€	700,00
1.10.4	Type Test / <i>Prova di qualifica</i> (EN15129:2009-Tab. 15)		€	3.000,00
	(φ>500mm)			
1.11	Single Displacement Dependent Device fixing plates not included ⁽¹⁾			
1.11.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009)			
		from 1 to 4 devices – for each device	€	800,00 ⁽⁴⁾
		from the following 5 to 10 devices – for each device	€	750,00 ⁽⁴⁾
		from the following 11 to 20 devices – for each device	€	650,00 ⁽⁴⁾
		from the following 21 or more devices – for each device	€	600,00 ⁽⁴⁾
1.11.2	Type Test / <i>Prova di qualifica</i> (EN15129:2009):		€	2.000,00 ⁽⁴⁾
1.12	Single Velocity Dependent Device fixing plates not included ⁽¹⁾			
1.12.1	Factory production control test/ <i>Prova di accettazione</i> (EN15129:2009-Tab.6)			
		from 1 to 4 devices – for each device	€	650,00
		from the following 5 to 10 devices – for each device	€	600,00
		from the following 11 to 20 devices – for each device	€	550,00
		from the following 21 or more devices – for each device	€	500,00
1.12.2	Type Test / <i>Prova di qualifica</i> (EN15129:2009-Tab.6)		€	2.000,00 ⁽⁴⁾
1.13	Additional costs to attend the tests			
		in case of particular needs related to safety conditions within the laboratory, testing assistance may result in additional costs to cover safety expenses. Any costs will be calculated as function of actual conditions.		

NOTES

- Realization and delivering of fixing plates are on charge of the Applicant, after approval by the Laboratory;
- The cost of type test on elastomeric Isolators does not include temperature testing as required by EN15129 2009-Table 11. The cost of test considering the variation of the horizontal characteristics with temperature will be quantify separately.
- Additional cost is required for the creep test under vertical load (EN 15129: 2009-Table 11), to be agreed at the date of request.
- The cost of testing on displacement dependent devices (see 1.11) and velocity dependent devices (see 1.12) is intended as the minimum cost. The final testing estimate could increase as function of the specificity of the assembly system, in case they need additional work, and/or of the testing duration/modality (slow tests, long pause between one test and the next, extreme temperature tests).
- The cost of testing on $\phi > 900\text{mm}$ elastomeric devices (see 1.8) could be subject to change to be agreed at the date of request.
- The cost of testing on Lead Core Rubber Bearings (LRB) could be subject to change to be agreed at the date of request if long waiting times are required between one test and the next.
- Additional experimental tests to the standards procedure EN 15129: 2009, must be explicitly requested before the economic agreement. The cost of additional tests will be appropriately agreed.
- The cost of the tests according to other standards (not EN 15129: 2009) will be evaluated with reference to the specific case.