



# TM

Algaflex TM najnovije dostignuće u razvoju visokotestirane tehnologije firme ALGA u oblasti srednjeg i velikog dilatiranja.

Široka primena AlgaflexTM

dilatacija zasniva se na činjenici da se prepoznatljiv kvalitet dilatacija kombinuje u širokom modularnom sistemu, čime se postiže mogućnost spajanja jednog ili dva deformabilna elementa s čeličnom pločom dilatacije i na taj način obezbeđuje velika dilatiranja.

Posebno, dilatacija s jednim deformabilnim elementom može da pokrije polje dilatiranja od 320 do 800 mm, sa dva elementa od 960 do 1.600 mm.

Sve Algaflex TM dilatacije imaju debljinu od 82mm, čime je izbegnuto izvođenje dubokih udubljenja. Fizičke i materijalne karakteristike koje se upotrebljavaju za deformabilne elemente su iste kao i kod klasičnih Algaflex dilatacija.

Čelične ploče dilatacije su nerđajuće, tj. otporne na koroziju, završno premazane epoksidom i poliuretanskom bojom.



*Algaflex TM is the last development of a highly tested technology by Alga in the field of medium and big movement joints.*

*The great versatility of Algaflex TM joints is founded on the fact that it combines the well-known Algaflex joint qualities with a wide modular system, being possible to assemble one or two deformable elements to the "bridge plate" obtaining, in this way, a large movement range.*

*In particular, a joint with a single de-*

*formable element can cover a field of movement from 320 up to 800mm; with two elements from 960 up to 1600 mm.*

*All Algaflex TM joints have a thickness of 82 mm, which avoid the execution of deep recesses.*

*The physical and material characteristics used for the deformable elements are the same of traditional Algaflex expansion joints.*

*The "bridge plates" are in steel resistant to corrosion, finished with an epoxy and polyurethane painting cycle.*

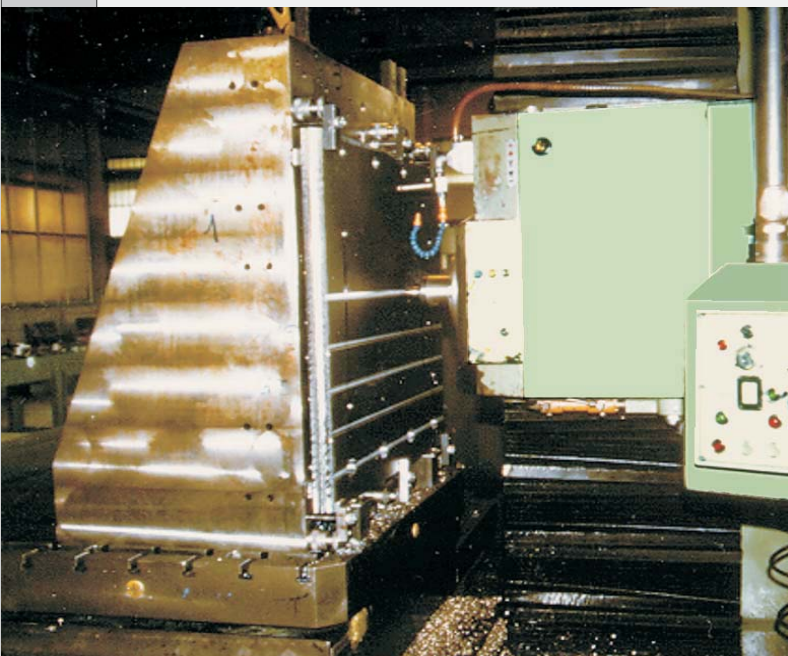
## MODULARNA SPOJNICA - ALGAFLEX TM - MODULAR SYSTEM JOINT

Gore: Ploče dilatacione spojnice Algaflex TM 640

*Above: milling of bridge plates for an Algaflex TM 640 expansion joint.*

Ispod: obrada deformabilnih elemenata

*Below: pressing of deformable elements.*



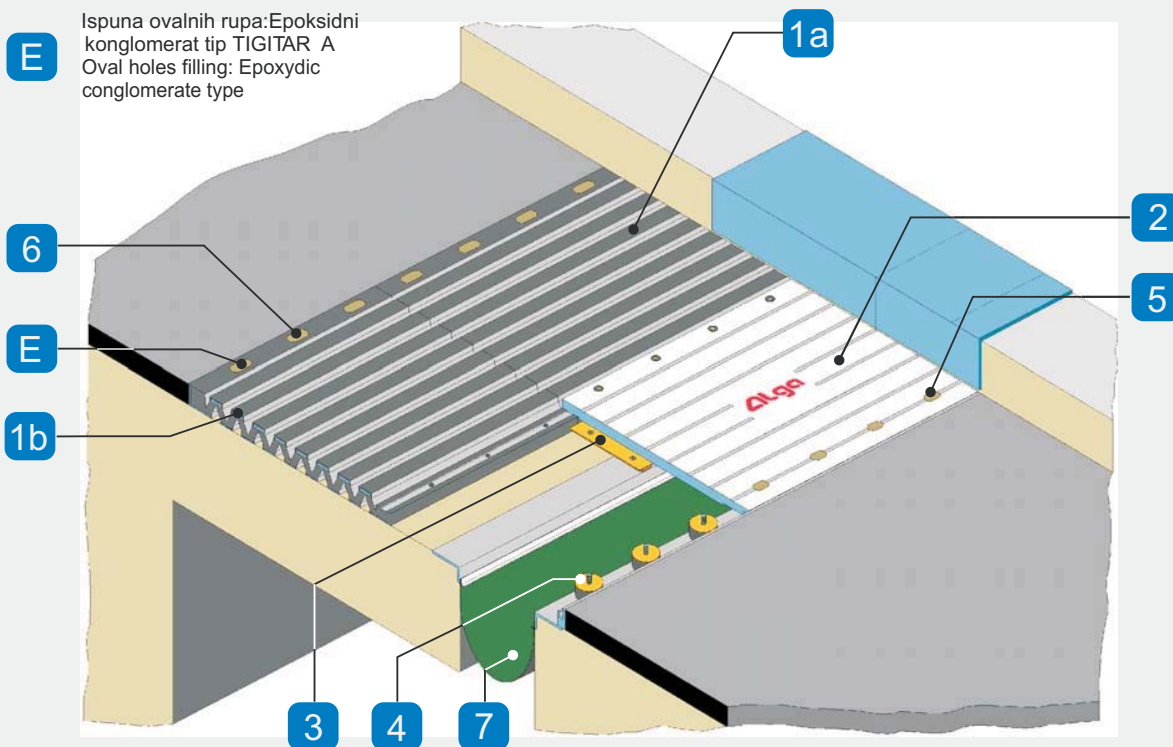
### DEFORMABLINI ELEMENTI DEFORMABLE ELEMENTS

#### FIZIČKO-MEHANIČKA SVOJSTVA GUME RUBBER PHYSICAL-MECHANICAL PROPERTIES

CARATTERISTICHE CHARACTERISTICS		STANDARD STANDARD	
POLIMER POLYMER	Tip Type	-Prirodna guma Natural rubber	CNR 10018-87
Čvrstoća Hardness	Shore A	60± 5	UNI 4916
Čvrstoća na istezanje Tensile strength	N/mm <sup>2</sup>	≥ 17	UNI 6065
Granično istezanje Ultimate elongation	%	> 450	UNI 6065
ARMATURA REINFORCING STEEL	Tip Type	S275JR	UNI EN 10025-92

# ALGAFLEX™

## DETALJ UGRAĐENE DILATACIJE - INSTALLED JOINT DETAILS



### LEGENDA

Poz.	Opis Description	Materijal Material	Standard Standard
1a	Algaflex - Guma - Rubber	Prirodna guma - Natural rubber	CNR 10018-87
1b	Algaflex - Armatura - Reinforcing	Čelik S275JR Steel	UNI EN 10025-92
2	Čelična ploča Bridge plate	Čelik A 242 Steel plate	ASTM
3	Vođica Guide bar	Nerđajući čelik AISI 304 Stainless steel	ASTM
4	Ležište Bearing	Armirana prirodna guma Reinforced natural rubber	CNR 10018-87
5	Zavrtnji za vezu Connection bolts	Nerđajući čelik- klasa A2 Stainless steel - Class A2	UNI 5932
6	Hemijski anker Chemical anchor	C40 + DACROMET 320 Steel and protection	UNI EN 10083/1
7	Neoprenska platno Flashing	Hypalon	

### MODULI

N.4 MOD.= +/- 160 mm



N.5 MOD.= +/- 200 mm



N.6 MOD.= +/- 240 mm



N.7 MOD.= +/- 280 mm



N.8 MOD.= +/- 320 mm



N.9 MOD.= +/- 360 mm



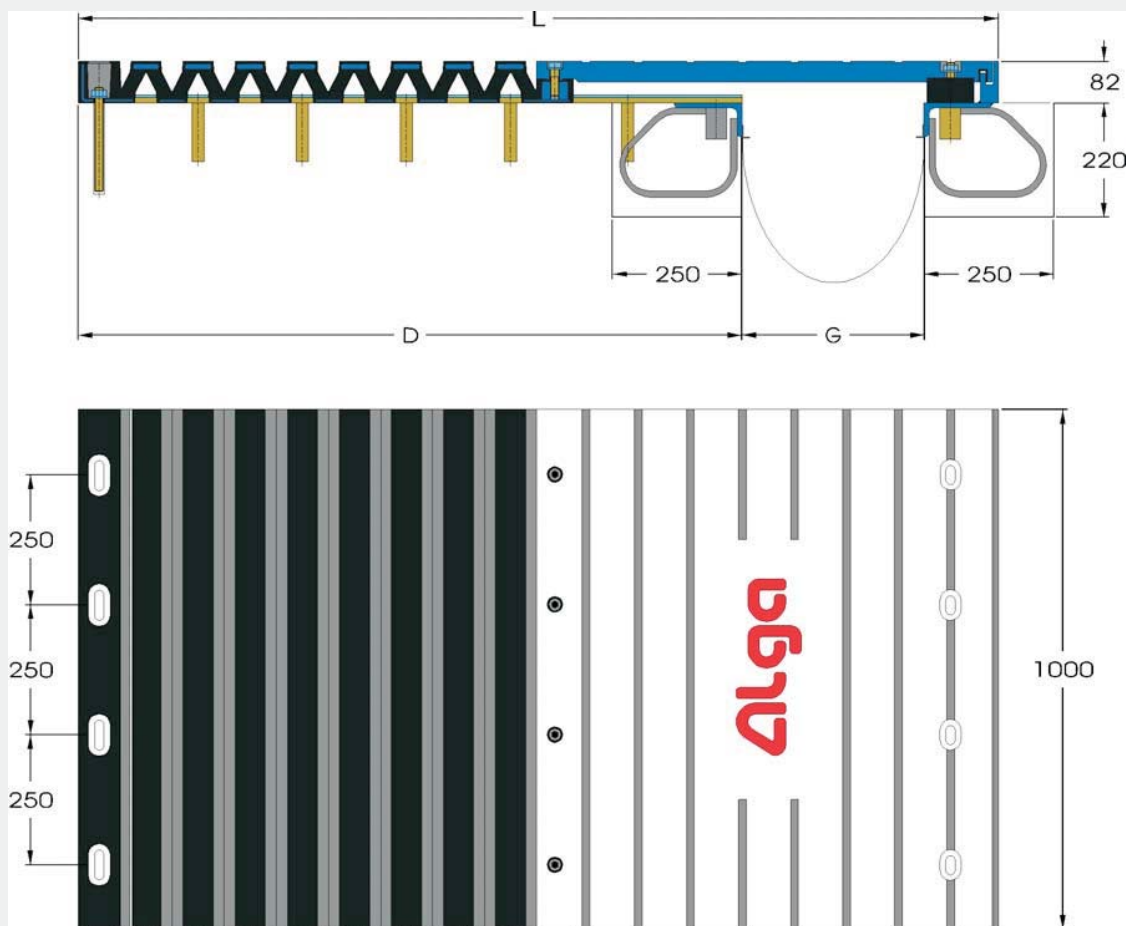
N.10 MOD.= +/- 400 mm



# TM 320 ÷ TM800

## PRESEK I OSNOVA - SECTION AND PLAN

NA SLICI : DILATACIJA SA 8 MODULA IN THE FIGURE AN 8 MODULES JOINT



SVE DIMENZIJE SU U MILIMETRIMA - ALL DIMENSIONS ARE IN MILLIMETERS

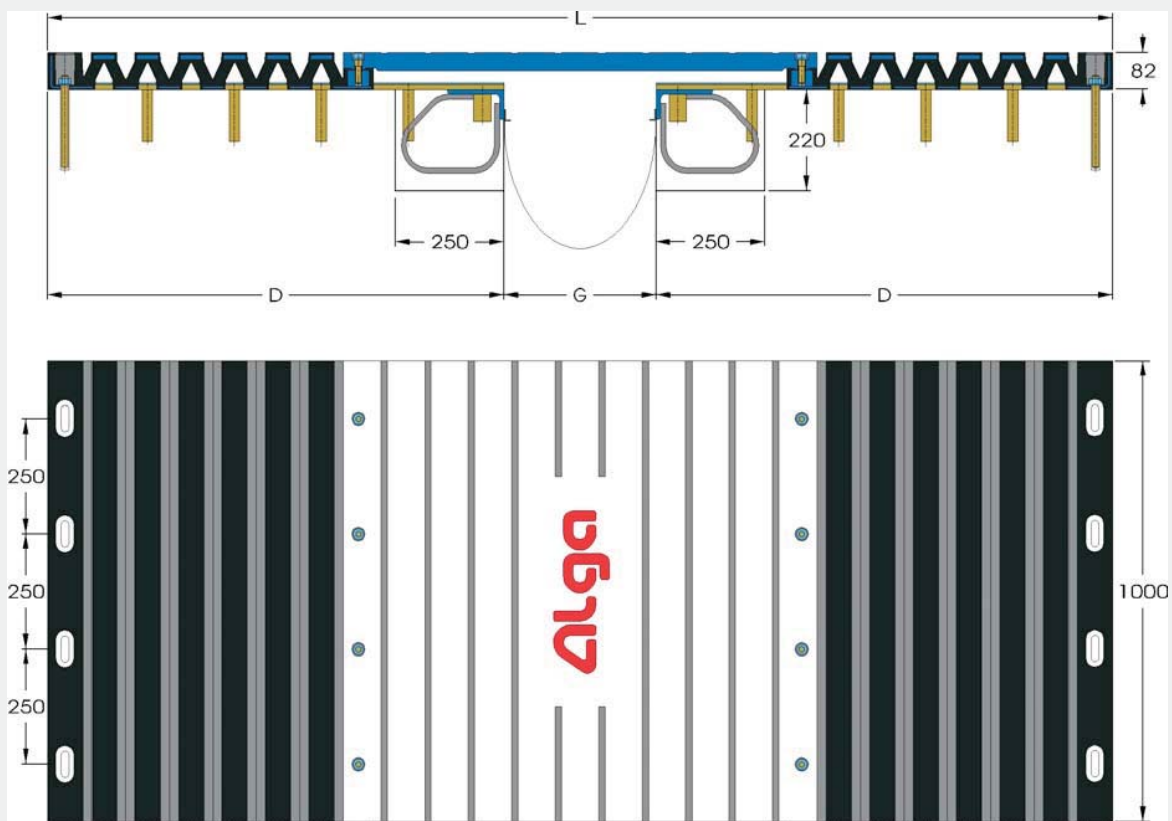
TIP TYPE	TM320	TM400	TM480	TM560	TM640	TM720	TM800	
Širina Width	L	1047	1227	1407	1587	1767	1947	2127
Zazor Gap	G	190	230	270	310	350	390	430
Dimenzija Dimension	D	715	855	995	1135	1275	1415	1555
Broj modula Modules No.		4	5	6	7	8	9	10
POMERANJE MOVEMENT		320mm	400mm	480mm	560mm	640mm	720mm	800mm



# TM 960 ÷ TM1600

## PRESEK I OSNOVA - SECTION AND PLAN

NA SLICI: DILATACIJA SA 6+6 MODULA IN THE FIGURE A 6+6 MODULES JOINT



SVE DIMENZIJE SU U MILIMETRIMA - ALL DIMENSIONS ARE IN MILLIMETERS

TIP TYPE		TM960	TM1120	TM1280	TM1440	TM1600
Širina Width	L	2530	2890	3250	3610	3970
Zazor Gap	G	540	620	700	780	860
Dimenzija Dimension	D	995	1135	1275	1415	1555
Broj modula Modules No		6+6	7+7	8+8	9+9	10+10
POMERANJE MOVEMENT		960mm	1120mm	1280mm	1440mm	1600mm



MOSTOVSKA LEŽIŠTA I DILATACIJE - ANTISEIZMIČKI UREĐAJI - PREDNAPREZANJE UŽAD ZA MOSTOVE SA ZATEGAMA - NAPREDNA TEHNOLOGIJA ZA KONSTRUKCIJE  
BRIDGE BEARINGS AND EXPANSION JOINTS - ANTISEISMIC DEVICES - POST-TENSION - STAY CABLES - ADVANCED TECHNOLOGIES FOR CONSTRUCTION

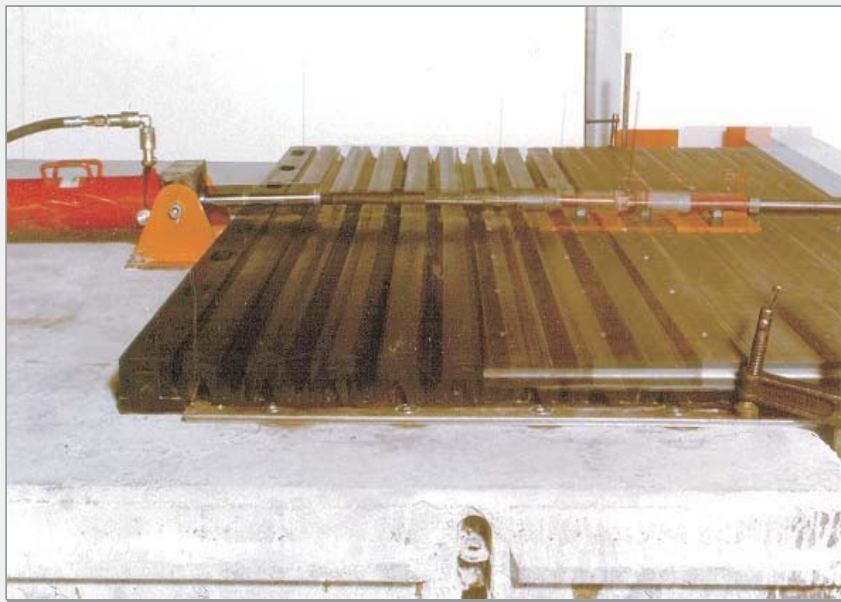
## GARANCIJA KVALITETA - QUALITY ASSURANCE

ALGA projektuje i proizvodi po sistemu kvaliteta UNI EN ISO 9001.94 sertifikovan od strane IGQ.

Test ploča izrađena je u našoj ovlašćenoj laboratoriji u cilju testiranja dilatacija tipa Algaflex TM.

Funkcionalna testiranja dilatacije izvršena su pomoću dvosmernih hidrauličnih presa:

- **Dinamička i ciklična testiranja** otvaranja i zatvaranja dilatacije izvršena su na predviđeno minimalno i maksimalno dilatiranje.
- **Fizičko-mehanički testovi** izvršeni su od strane Instituta CERISIE u S. Giuliano (MI).



*Alga plans and produces with Quality System, conforming to the UNI EN ISO 9001.94 certified by IGQ.*

*A test slab, has been built in our Quality Laboratory in order to test the Algaflex TM joints. Functional tests have been executed moving the joint with*

*a bi-directional hydraulic jacks.*

- *The **dynamic tests** and **cyclic tests** of opening and closing of the joint, to the min and max movement foreseen.*
- *The **physical-mechanical tests** have been carried out to Istituto CERISIE in S. Giuliano, (MI).*

