



## Uporaba

Šobni grelci se uporabljajo za gretje šob pri strojih za predelavo plastičnih mas.

Grelci so hermetično zaprti, kar preprečuje vdor plastične mase v grelec in mu podaljša življenjsko dobo.

Za visoke talilne temperature (PC, steklena vlakna) in korozivne materiale (PVC) uporabljamo grelce iz nerjavečega jekla GM.11

Opcijsko so lahko vsi grelci opremljeni z vgrajenim temperaturnim tipalom tip J.

Šobni grelci so tudi primerni za ogrevanje vseh cilindričnih površin. Uporabljamo jih, kot rezervni del na skoraj vseh strojih za brizganje termoplastov.

## Description

The Nozzle Band Heaters (GM.10 and GM.11) are manufactured for use on injection moulding machines in the plastic processing industry. They are plastic resistant which allows high life expectanse and guarantee a required temperature on the nozzle.

For high melt temperature (PC, glassfiber filled) and corozive materials (PVC) we recommend to use heaters made of stainless steel GM.11 All heaters can be optional equipped with integrated thermocouple type J.

Nozzle Band Heaters are also suitable for general cylindrical heating. They can be used on most current machines.



Naša garancija ne pokriva napak, kjer nimamo vpliva in kontrole nad pogoji delovanja grelca. Prav tako ne sprejemamo nobene odgovornosti za posredne nezgode in izgube.

Our guarantee does not necessarily cover failure in service as we have no control or influence over operating conditions. We also except no responsibility for subsequential loss.

Naši šobni grelci se uporabljajo na vseh strojih za brizganje plastike

Our nozzle band heaters are used on all kind of injection moulding machines



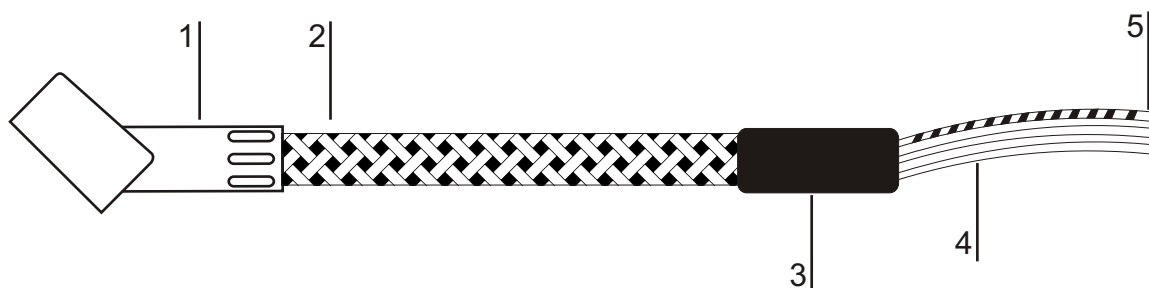
## Tehnične lastnosti:

- Specifična moč:  
do 4,5 W/cmm<sup>2</sup> (medenina) GM.10  
do 6,5 W/cmm<sup>2</sup> (inox) GM.11
- Delovna temperatura do 300 °C (medenina)  
do 400 °C (inox)
- Standardna napetost: 230V
- Material ohišja: Medenina ali Inox
- Izolacijski material: MICANIT
- Grelni prevodnik: Nickle-Chrome 80/20
- Temperaturno obstojen armiran kabel,  
pri katerem je nikel vodnik izoliran s steklenimi  
vlakni do(400°C)
- Integrirano tipalo tip J (opcija)

## Technical Specifications:

- Max. Watt density:  
up to 4,5 W/cmm<sup>2</sup> (brass) GM.10  
up to 6,5 W/cmm<sup>2</sup> (inox) GM.11
- Working temperature up to 300 °C (brass)  
to 400 °C (inox)
- Voltage: 230V
- Sheath mat.: Brass or stainless steel
- Insulation material: MICA
- Heating conductor: Nickle-Chrome 80/20
- Temperature resistant pure nickel wires  
with glass-silk insulation and  
a steel mesh cover (400°C)
- Integrated thermocouple type J (option)

## Kabelski priključek za šobne grelce / Cable exit for nozzle band heaters:

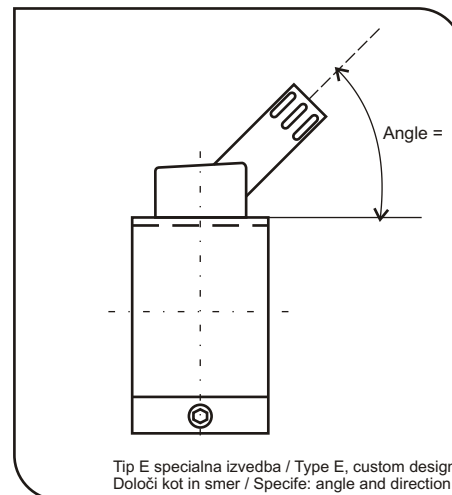
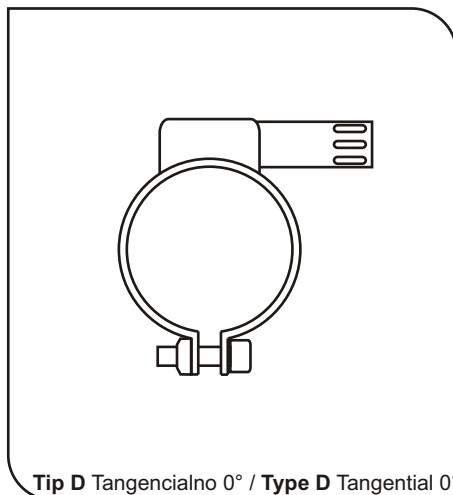
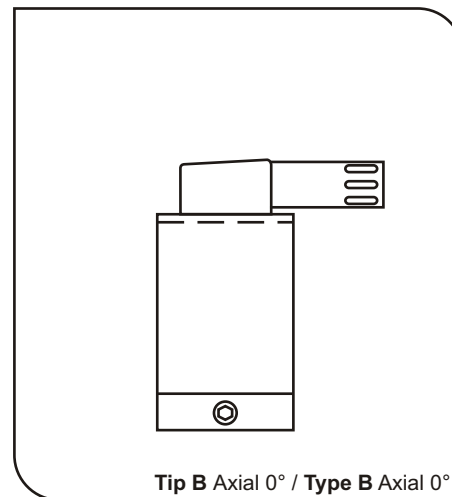
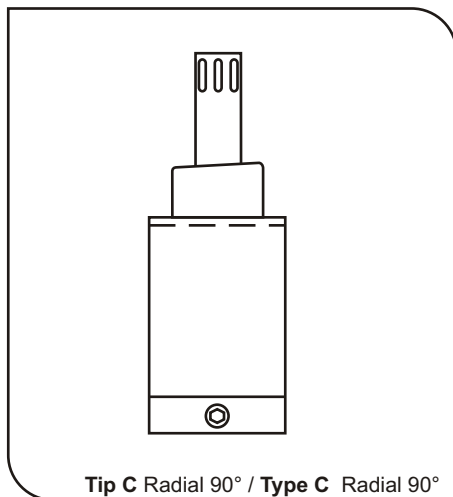
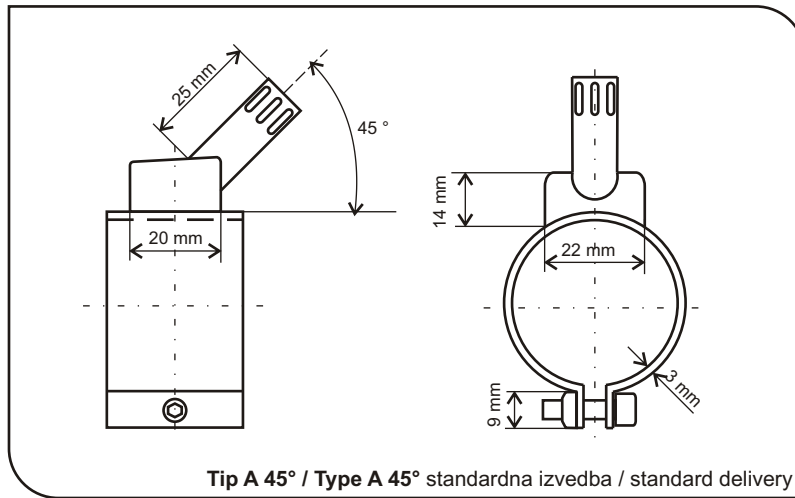


1. Trdi priključek / Rigid connection
2. Kovinsko oklopljen kabel / Metal braided sleeve
3. Temp obstojna zaščita / Heat resistant rubber protection
4. Nikel vodnik z barvno kodo / Nickel wire with colour code / 60 mm
5. Očiščeni vodnik / Crimped cable ends - optional

Standardne dolžine kablov /

Prefabricated standard cable lengths: 300 mm, 500 mm, 1000 mm, 1500 mm, 2000 mm

## Priključki za šobne grelce / Connection options for nozzle band heaters



# Šobni grelci / Nozzle heaters GM.10



**Serijski GM.10 medenina / brass**

Napetost/Voltage:

230 V

Površin. Obtežba / Watt density:

4,5 w/cmm<sup>2</sup>

Koda/Code	Premer/Diameter	Sirina/Width	Wattage
3020100	30	20	100
3025130	30	25	130
3030150	30	30	150
3035150	30	35	150
3040200	30	40	200
3050230	30	50	230

3520120	35	20	120
3525150	35	25	150
3530150	35	30	150
3535180	35	35	180
3540200	35	40	200
3550230	35	50	230

4020150	40	20	150
4025150	40	25	150
4030150	40	30	150
4035200	40	35	200
4040200	40	40	200
4050250	40	50	250
4060300	40	60	300

4520150	45	20	150
4525150	45	25	150
4530180	45	30	180
4535220	45	35	220
4540250	45	40	250
4550300	45	50	300

4820150	48	20	150
4825170	48	25	170
4830200	48	30	200
4835200	48	35	200
4840250	48	40	250
4850300	48	50	300

5020150	50	20	150
5025170	50	25	170
5030200	50	30	200
5035240	50	35	240
5040280	50	40	280
5050350	50	50	350

5520150	55	20	150
5525200	55	25	200
5530220	55	30	220
5535270	55	35	270
5540300	55	40	300
5550380	55	50	380

6020170	60	20	170
6025200	60	25	200
6030250	60	30	250
6035250	60	35	250
6040300	60	40	300
6050400	60	50	400

6520184	65	20	184
6525230	65	25	230
6530270	65	30	270
6535320	65	35	320
6540350	65	40	350
6550450	65	50	450

# Šobni grelci / Nozzle heaters GM.11



## Serija GM.11 nerjaveče jeklo / stainless steel

Napetost/Voltage: 230 V

Površin. Obtežba / Watt density: 6,36 w/cmm<sup>2</sup>

Koda/Code	Premer/Diameter	Sirina/Width	Wattage
3020120	30	20	120
3025150	30	25	150
3030180	30	30	180
3035210	30	35	210
3040240	30	40	240
3050300	30	50	300

3520140	35	20	140
3525170	35	25	170
3530210	35	30	210
3535245	35	35	245
3540280	35	40	280
3550340	35	50	340

4020160	40	20	160
4025200	40	25	200
4030240	40	30	240
4035280	40	35	280
4040320	40	40	320
4050350	40	50	350
4060470	40	60	470

4520180	45	20	180
4525225	45	25	225
4530270	45	30	270
4535315	45	35	315
4540350	45	40	350
4550440	45	50	440

4820190	48	20	190
4825240	48	25	240
4830280	48	30	280
4835330	48	35	330
4840380	48	40	380
4850470	48	50	470

5020200	50	20	200
5025250	50	25	250
5030300	50	30	300
5035340	50	35	340
5040390	50	40	390
5050490	50	50	490

5520220	55	20	220
5525270	55	25	270
5530330	55	30	330
5535380	55	35	380
5540430	55	40	430
5550540	55	50	540

6020240	60	20	240
6025300	60	25	300
6030350	60	30	350
6035410	60	35	410
6040470	60	40	470
6050590	60	50	590

6520260	65	20	260
6525325	65	25	325
6530380	65	30	380
6535450	65	35	450
6540500	65	40	500
6550640	65	50	640



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