



# SINUS Ltd.

## I.C ENGINE VALVES

KIBBUTZ MASSADA, EMEK HAYARDEN 15140, ISRAEL  
P.O.B. 3377, PETAH-TIKVA 49130 ISRAEL  
TEL: +972 (9) 7655217/8 FAX: +972 (9) 7653173

[info@Sinusvalves.com](mailto:info@Sinusvalves.com)  
<http://www.Sinusvalves.com>



## **CUSTOM VALVE ORDER FORM**

Sir / Madam,

Thank you for addressing SINUS engineering department with your current engine valve requirement.

Our Custom Valve Form is consisted of 4 main segments, each relating to a different aspect in the engine valve's structure specifications.

1. The main profile of the valve
2. Selection of the valve's head type.
3. Selection of the valve's stem end type.
4. Selection and customization of the valve's locking groove.

For each segment please fill in the required information inside the blank text boxes.  
In some of the fields you will be asked to mark the correct option, all according to your design.

Please try to fill in as much information as possible so our engineering department will have all the required information in order to analyze your request, forward it to sales department for quotation, and at a more advance stage, to production.

For troubleshooting please e-mail SINUS representatives at [support@sinusvalves.com](mailto:support@sinusvalves.com) or contact us by Fax to 00 972 9 7653173.

We thank you for choosing SINUS Ltd, I.C Engine Valves as your supplier of top quality engine valves.

Best Regards,

Doron Lachman  
General Manager



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## CUSTOMER CONTACT DETAILS

### 1.1 General Information

Submission Date: \_\_/\_\_/\_\_\_\_

Company Name: \_\_\_\_\_

Contact Person Name: \_\_\_\_\_

Address: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Zip Code: \_\_\_\_\_

Country: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

Mobile: \_\_\_\_\_

General E-mail: \_\_\_\_\_

Direct E-mail: \_\_\_\_\_

Website: \_\_\_\_\_

### 1.2 Order Specs

Valve P/N (If Available):  
\_\_\_\_\_

Would you like us to offer an alternative in case we are unable to comply?  
**Yes / No**

Required Quantity:  
\_\_\_\_\_

Please select your preferred delivery method:  
**Air Parcel mail / Ocean Freight / Door To Door Courier**

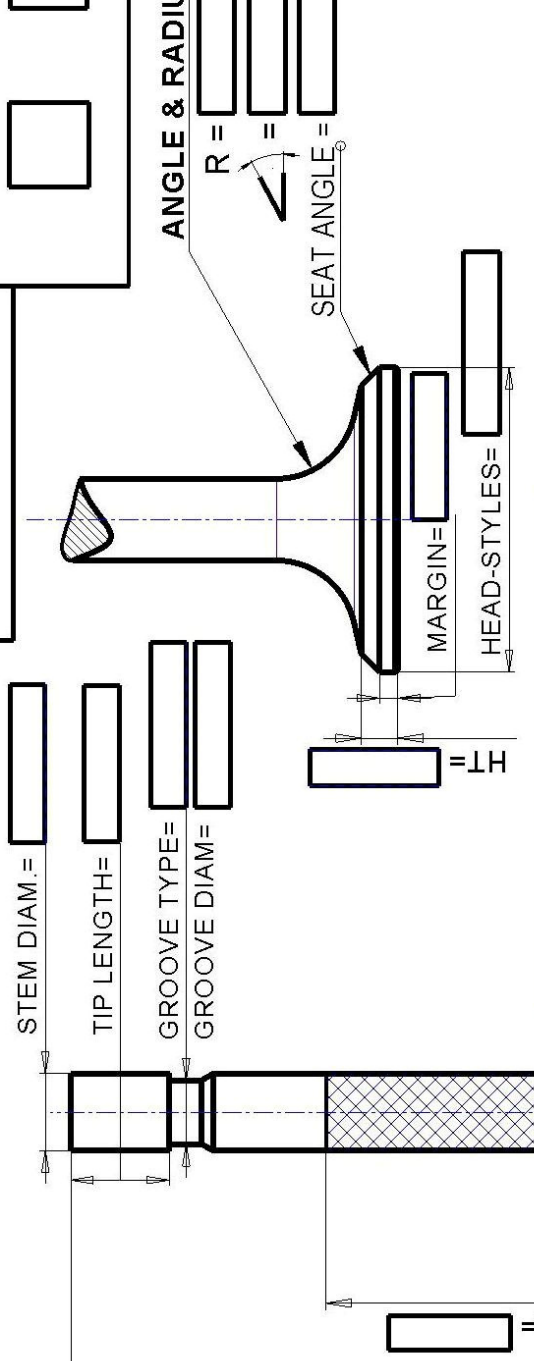
☐ - WITH HARD TIP      ☐ - WITHOUT HARD TIP

**UOM = mm**

**EX IN**

STEM DIAM.=		
TIP LENGTH=		
GROOVE TYPE=		
GROOVE DIAM=		



ANGLE & RADIUS

R =

SEAT ANGLE =

OVERALL LENGTH =

CR L =

L =

MARGIN =

HEAD-STYLE =

No	PROFILE	JF Ø =	H P	H P Ø + =	H P + ANGLE
01	BELOW STEM				
02	STEM - 0.1				
03	ABOVE STEM				
04					

PROFILE

HEAD DIAM. =

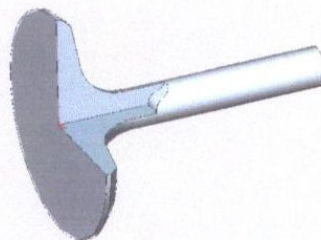
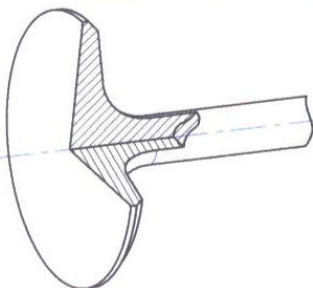
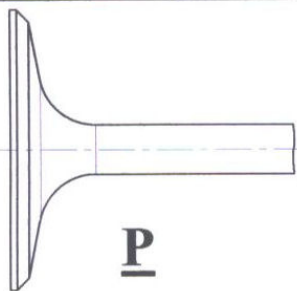
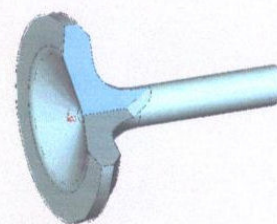
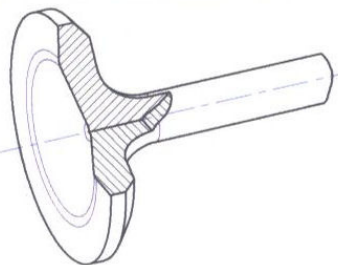
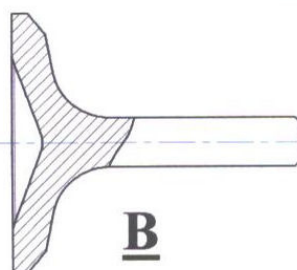
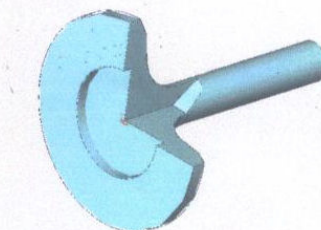
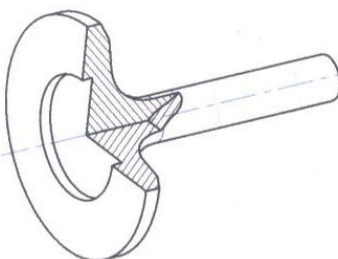
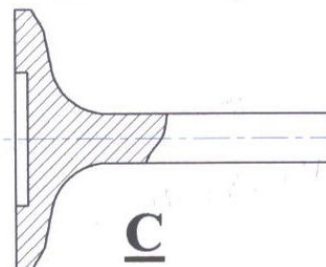
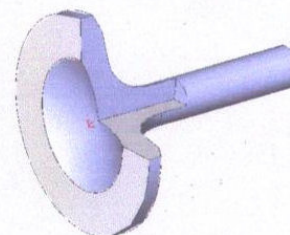
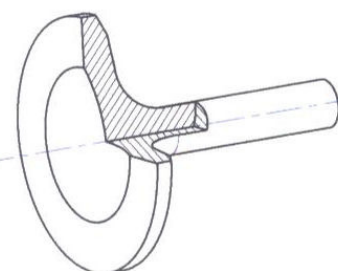
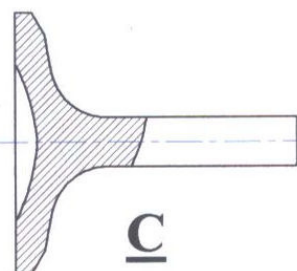
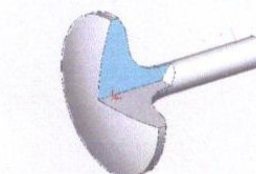
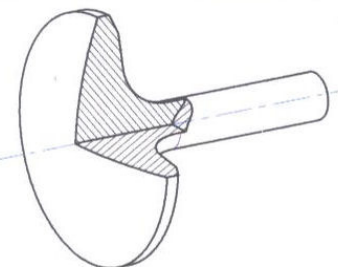
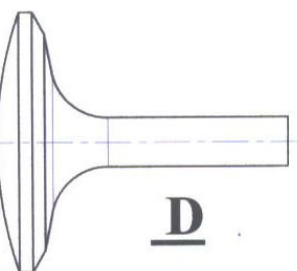
**ADDITIONS:**

STELLITE FACED SEAT
MIRROR POLISH
CHROMIUM NITRIDE COATING [ CrN ]
TITANIUM NITRIDE COATING [ Tin ]
ZIRCONIUM NITRIDE COATING [ ZrN ]
HARD CHROME PLATING
* YOU MAY SELECT MORE THEN A SINGLE TREATMENT / ADDITION
* NOT ALL UPGRADES CAN BE IMPLEMENTED TOGETHER

## 2.2 Valve Head Style

### HEAD STYLES

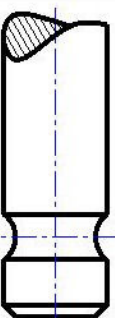
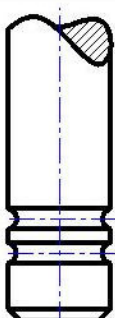
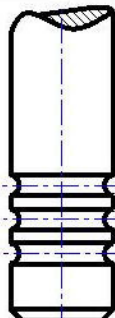
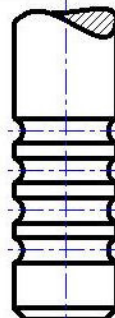
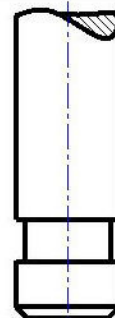
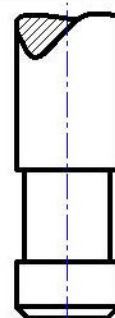
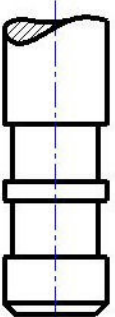
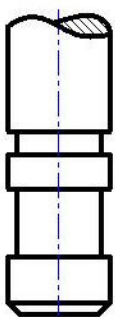
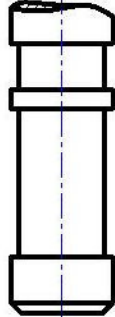
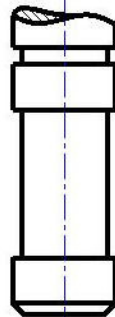
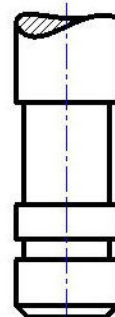
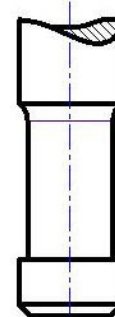
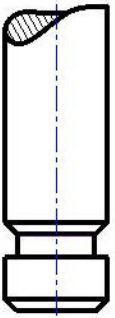
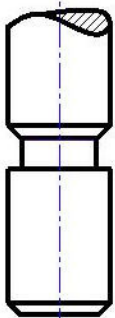
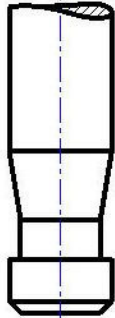
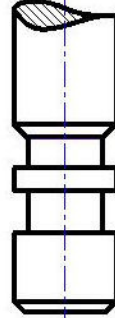
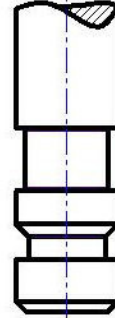
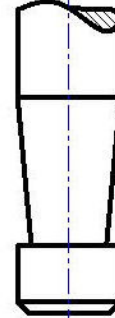
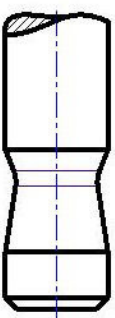
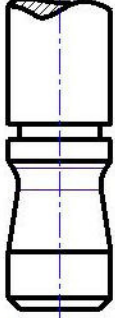
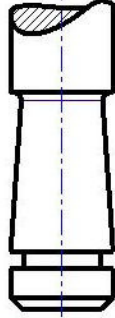
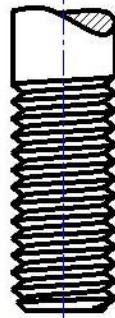
REMARKS: Please mark your selection:


☐

☐

☐

☐

☐

**STEM ENDS**

REMARKS: Please mark your selection:

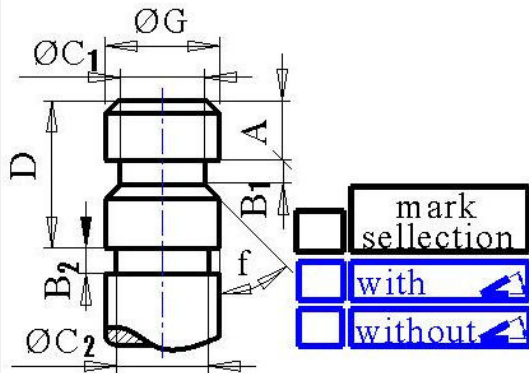


					
<b>01</b> <input type="checkbox"/>	<b>02</b> <input type="checkbox"/>	<b>03</b> <input type="checkbox"/>	<b>04</b> <input type="checkbox"/>	<b>05</b> <input type="checkbox"/>	<b>06</b> <input type="checkbox"/>
					
<b>07</b> <input type="checkbox"/>	<b>08</b> <input type="checkbox"/>	<b>09</b> <input type="checkbox"/>	<b>10</b> <input type="checkbox"/>	<b>11</b> <input type="checkbox"/>	<b>12</b> <input type="checkbox"/>
					
<b>13</b> <input type="checkbox"/>	<b>14</b> <input type="checkbox"/>	<b>15</b> <input type="checkbox"/>	<b>16</b> <input type="checkbox"/>	<b>17</b> <input type="checkbox"/>	<b>18</b> <input type="checkbox"/>
					
<b>19</b> <input type="checkbox"/>	<b>20</b> <input type="checkbox"/>	<b>21</b> <input type="checkbox"/>	<b>22</b> <input type="checkbox"/>		



## GROOVE SPECATIONS

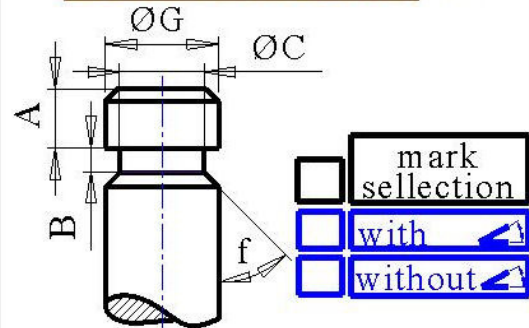
### SQUARE GROOVE: I



For STEM END: 5;6;12;13;14

A =	<input type="text"/>	
B <sub>1</sub> =	<input type="text"/>	B <sub>2</sub> = <input type="text"/>
C <sub>1</sub> =	<input type="text"/>	C <sub>2</sub> = <input type="text"/>
D =	<input type="text"/>	
G =	<input type="text"/>	
f =	<input type="text"/>	

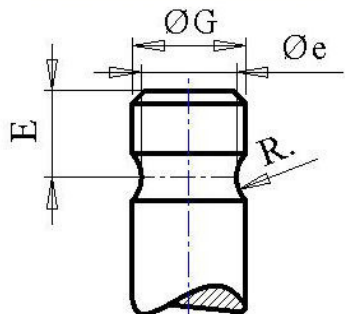
### SQUARE GROOVE: II



For STEM END: 7;17

A =	<input type="text"/>
B =	<input type="text"/>
C =	<input type="text"/>
G =	<input type="text"/>
f =	<input type="text"/>

### RADIUS GROOVE



For STEM END: 1; 2; 3 4

E =	<input type="text"/>	
G =	<input type="text"/>	
e =	<input type="text"/>	Please mark your selection "R": <input checked="" type="checkbox"/>
R =	0,6 0,8 1,1 1,2 1,35 1,6	
	<input type="text"/>	<input type="text"/>

### OTHERS GROOVE



FOR ALL-OTHER STEM ENDS PLEASE PROVIDE SAMPLES OR TECHNICAL DRAWING:

A =	<input type="text"/>	E =	<input type="text"/>
B =	<input type="text"/>	e =	<input type="text"/>
C =	<input type="text"/>	f =	<input type="text"/>
D =	<input type="text"/>	G =	<input type="text"/>
R =	<input type="text"/>	=	<input type="text"/>

[illegible]

<b>3.2 Customer Sketches</b>	
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\* Please use the space bellow for hand made sketches and drawings: