







/	( )	8																									
			8	5	-	-	-	-	3	108	68	34	17	17	40	1	2	3	4	5	6	7	8	9	10	11	
																17	17	17	17	17	17	17	17	17	17	17	0
																(- - )/											
1. .32														-	-	-	-	2-1-1 40*	-	-	-	-	-	-			
1. .33														-	-	-	-	2-0-2 40*	-	-	-	-	-	-			
1. .34														-	-	-	-	-	2-0-2 40*	-	-	-	-	-			
1. .35														-	-	-	-	2-0-2 40*	-	-	-	-	-	-			
1. .36														-	-	-	-	-	3-0-2 59*	-	-	-	-	-			
1. .37														-	-	-	-	-	1-0-2 57*	-	-	-	-	-			
1. .38														-	-	-	-	-	-	-	2-1-1 40*	-	-	-			
1. .39														-	-	-	-	-	-	2-0-1 57*	-	-	-	-			
1. .40														-	-	-	-	-	-	4-0-2 42*	0-0-2 74*	-	-	-			
1. .41														-	-	-	-	-	-	2-0-2 76*	-	-	-	-			
1. .42														-	-	-	-	-	-	1-0-1 74*	-	-	-	-			
1. .43														-	-	-	-	-	-	-	-	4-0-2 42*	-	-			
1. .44														-	-	-	-	-	-	-	-	-	4-0-2 42*	-			
1. .45														-	-	-	-	-	-	-	-	-	-	2-0-2 40*	-		
1. .46														-	-	-	-	-	-	-	2-0-2 40*	-	-	-	-		
1. .47														-	-	-	-	-	-	-	-	-	-	2-0-2 40*	-		

/	( )	8																								
			10	-	-	-	-	4	144	68	34	-	34	76	1	2	3	4	5	6	7	8	9	10	11	
															17	17	17	17	17	17	17	17	17	17	17	0
															(- - )/											
1. .48		8	10	-	-	-	-	4	144	68	34	-	34	76	-	-	-	-	-	-	-	-	-	2-0-2 76*	-	
1. .49		1	-	-	8	-	-	3	108	51	17	-	34	57	-	-	-	-	-	-	1-0-2 57*	-	-	-		
1. .50		8	9	-	-	-	-	4	144	68	34	-	34	76	-	-	-	-	-	-	-	2-0-2 76*	-	-		
1. .51		8	-	6	-	-	-	3	108	51	34	-	17	57	-	-	-	-	2-0-1 57*	-	-	-	-	-		
1. .52		8	5	-	-	-	-	3	108	34	34	-	-	74	-	-	-	-	2-0-0 74*	-	-	-	-	-		
1. .53		8	6	-	-	6	-	4	144	51	34	-	17	93	-	-	-	-	2-0-1 93*	-	-	-	-	-		
1. .54		8	6	-	-	-	-	4	144	85	51	-	34	59	-	-	-	-	3-0-2 59*	-	-	-	-	-		
1. .55		5	-	5	-	-	-	3	108	51	34	-	17	57	-	-	-	2-0-1 57*	-	-	-	-	-	-		
1. .56		8	-	-	9	-	-	3	108	34	17	-	17	74	-	-	-	-	-	-	-	1-0-1 74*	-	-		
1. .57		8	-	5	-	-	-	3	108	68	34	-	34	40	-	-	-	2-0-2 40*	-	-	-	-	-	-		
1. .58		8	8	-	-	-	-	3	108	34	17	-	17	74	-	-	-	-	-	-	1-0-1 74*	-	-	-		
1. .59		8	-	7,8	-	-	-	6	216	102	51	-	51	114	-	-	-	-	-	2-0-2 40*	1-0-1 74*	-	-	-		
<b>1. .00</b>								<b>35</b>	<b>1600</b>	<b>969</b>	<b>221</b>	-	<b>748</b>	<b>631</b>												
1. .01		3	-	8	-	-	-	3	108	34	-	-	34	74	-	-	-	-	-	-	0-0-2 74*	-	-	-		
1. .02		2	-	9	-	9	-	3	108	51	17	-	34	57	-	-	-	-	-	-	-	1-0-2 57*	-	-		



/	( )	8					9					256																									
			17	17	17	17		17	17	17	17		17	17	17	17	17	17	17	17	17	17	17	17	17	17											
																											(- - )/										
2. .01.05	-	8	-	9,10	-	-	-	9	324	68	-	-	68	256	-	-	-	-	-	-	-	-	-	0-0-2 146*	0-0-2 110*	-											
<b>2. .02</b>								<b>30</b>	<b>1080</b>	-	-	-	-	<b>1080</b>																							
2. .02.01		8	-	8	-	-	-	6	216	-	-	-	-	216	-	-	-	-	-	-	-	-	-	-	-	-											
2. .02.04		8	-	11	-	-	-	24	864	-	-	-	-	864	-	-	-	-	-	-	-	-	-	-	-	-											
		<b>2:</b>						<b>51</b>	<b>1836</b>	<b>68</b>	-	-	<b>68</b>	<b>1768</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>216*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>216*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>216*</b>	<b>2</b> <b>146*</b>	<b>2</b> <b>110*</b>	<b>0</b> <b>864*</b>												
<b>3</b>	<b>3.</b>																																				
3. .01		8	-	-	-	-	-	9	324	-	-	-	-	324	-	-	-	-	-	-	-	-	-	-	-	-	324*										
		<b>3:</b>						<b>9</b>	<b>324</b>	-	-	-	-	<b>324</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>0*</b>	<b>0</b> <b>324*</b>											
<b>4</b>	<b>4.</b>																																				
<b>4 . .00</b>								-	-	-	-	-	-																								
4 . .01		4	-	-	6	-	-	3	108	34	34	-	-	74	-	-	-	-	-	2-0-0 74*	-	-	-	-	-	-											
4 . .02		5	-	-	10	-	-	3	108	34	17	-	17	74	-	-	-	-	-	-	-	-	-	-	1-0-1 74*	-											

3.

<b>1</b>	270	10060	4896	2278	221	2397	5164
<b>2</b>	51	1836	68			68	1768
<b>3</b>	9	324					324
	<b>330</b>	<b>12220</b>	<b>4964</b>	<b>2278</b>	<b>221</b>	<b>2465</b>	<b>7256</b>

4.

	1			2			3			4			5			6																
	1	2		3		4	5		6	7		8	9		10		11															
<b>1</b>	30	459	689	32	561	659	30	510	638	29	527	585	24	544	388	27	510	462	26	493	443	30	493	587	25	459	441	17	340	272		
<b>2</b>										6		216				6		216				6		216	5	34	146	4	34	110	24	864
<b>3</b>																													9	324		
	30	459	689	32	561	659	30	510	638	35	527	801	24	544	388	33	510	678	26	493	443	36	493	803	30	493	587	21	374	382	33	1188
		26			33			30			31			32			30			29			29			29			22			



5.

							1		2		3		4		5	
							1	2	3	4	5	6	7	8	9	10
	330						30	32	30	35	24	33	26	36	30	21
( - )	12220	4964	2278	221	2465	7256	54.67	58.1	54.67	55.33	44.38	49.5	44.57	54	51.43	36
	5											2	1	1	1	
	2								1						1	
	33						3	5	3	3	3	5	1	4	3	3
	28							1	3	2	4	3	5	4	4	1
	32						7	4	4	6	2	1	2	3	1	2

6.

. .  
. .

1. .01		10	1	-1	,
1. .01		10	1	-5	
1. .01		10	1	-6	
1. .01		10	1	-9	
1. .02		10	2	-1	,
1. .02		10	2	-5	
1. .03		7	1	-4	( ) ( ), ,
1. .03		7	2	-4	( ) ( ), ,
1. .03		7	3	-4	( ) ( ), ,
1. .03		7	4	-4	( ) ( ), ,
1. .03		7	4	-5	
1. .03		7	3	-5	
1. .03		7	2	-5	

1. .03		7	1	-5	
1. .04		5	6	-8	, ,
1. .05.01		5	1	-7	
1. .05.02		5	1	-7	
1. .05.02		5	2	-7	
1. .05.02		5	3	-7	
1. .05.02		5	4	-7	
1. .05.02		5	5	-7	
1. .06		6	1	-5	, ,
1. .06		6	2	-5	, ,
1. .06		6	3	-5	, ,
1. .06		6	4	-5	, ,
1. .07		5	1	-2	
1. .08		3	1	-3	- ,

1. .09		8	1	-4	' ,
1. .09		8	1	-6	-
1. .09		8	1	-7	
1. .09		8	1	-91	' ,
1. .09		8	1	-94	' , , , ,
1. .09		8	1	-6	' -
1. .09		8	1	-6	
1. .10		5	1	-8	' ,
1. .11		1	1	-3	' ,
1. .11		1	1	-6	
1. .11		1	1	-9	
1. .12		2	2	-1	

1. .13		4	2	-5	,	,
1. .13		4	3	-5	,	,
1. .13		4	4	-5	,	,
1. .14	:	5	2	-2		
1. .15		3	2	-3		- ,
1. .15		3	3	-3		- ,
1. .15		3	3	-1	-	
1. .15		3	2	-1	-	
1. .16		4	2	-4	,	,
1. .16		4	2	-10		
1. .17		5	2	-11		
1. .18		8	3	-1		
1. .19		8	5	-5	,	,
1. .20		2	5	-2		
1. .21		7	6	-3		- ,

1. .22	-	1	3	-2	
1. .23		3	4	-5	,
1. .24		5	3	-91	,
1. .24		5	3	-92	,
1. .24		5	3	-93	,
1. .24		5	3	-94	,
1. .24		5	3	-95	,
1. .25		7	3	-5	,
1. .25		7	4	-5	,
1. .26		2	3	-1	
1. .27		2	4	-7	

1. .28		8	4	-1	
1. .29		2	4	-1	
1. .30		5	4	-6	-
1. .31		1	7	-10	
1. .31		1	7	-11	
1. .31		1	7	-2	
1. .31		1	7	-3	,
1. .32		8	5	-1	
1. .33		8	5	-7	
1. .33		8	5	-2	( ) ( ) ( )
1. .33		8	5	-6	, -
1. .34		8	6	-1	
1. .35		8	5	-5	,
1. .36		8	6	-6	, -

1. .37		4	6	-5	,
1. .38		9	8	-5	,
1. .39		1	7	-6	-
1. .39		1	7	-6	, -
1. .40		8	7	-1	-
1. .40		8	8	-1	-
1. .40		8	8	-2	( ) ( ) ( )
1. .40		8	7	-2	( ) ( ) ( )
1. .40		8	7	-7	-
1. .40		8	8	-7	-
1. .41		8	7	-1	-
1. .41		8	7	-7	-
1. .42		4	7	-5	, ,



1. .43		8	9	-3	- ,
1. .44		8	10	-3	- ,
1. .45		8	10	-4	, , -
1. .45		8	10	-4	, ,
1. .45		8	10	-1	,
1. .45		8	10	-2	
1. .46		8	8	-5	,
1. .47		8	10	-3	,
1. .47		8	10	-2	
1. .47		8	10	-4	( ) ( ), ,
1. .48		8	10	-7	
1. .48		8	10	-5	,
1. .48		8	10	-7	-
1. .49		1	8	-3	- ,

1. .50		8	9	-7	
1. .51		8	6	-2	
1. .51		8	6	-94	, , , ,
1. .51		8	6	-4	, ,
1. .52		8	5	-4	, ,
1. .53		8	6	-5	,
1. .53		8	6	-6	, -
1. .54		8	6	-6	, -
1. .55		5	5	-5	, ,
1. .56		8	9	-6	-
1. .57		8	5	-4	, , -
1. .57		8	5	-6	-

1. .57		8	5	-7	
1. .57		8	5	-8	, ,
1. .58		8	8	-2	( ) ( ) ( )
1. .58		8	8	-7	-
1. .59		8	8	-2	
1. .59		8	7	-2	
1. .59		8	7	-5	, ,
1. .59		8	8	-5	, ,
1. .59		8	8	-2	( ) ( ) ( )
1. .59		8	7	-2	( ) ( ) ( )
1. .01		3	8	-6	, -
1. .02		2	9	-3	,

1. .03	-	8	8	-5	,
1. .03	-	8	7	-5	,
1. .04		8	9	-5	,
1. .05	CAD/CAM/CAE-	8	7	-1	-
1. .05	CAD/CAM/CAE-	8	8	-1	-
1. .06		8	9	-5	,
1. . .01		8	8	-6	,
1. . .02		8	8	-6	,
1. . .03		8	10	-8	,
1. . .04		8	10	-8	,
1. . .05		8	9	-3	,

1. . .05		8	9	-4	,
1. . .06		8	9	-3	,
1. . .06		8	9	-4	,
2. .01.01		8	4	-6	-
2. .01.01		8	4	-92	,
2. .01.01		8	4	-95	,
2. .01.01		8	4	-6	,
2. .01.01		8	4	-4	( ) ( ),
2. .01.03		2	6	-1	-
2. .01.03		2	6	-2	( ) ( ) ( )
2. .01.05	-	8	10	-91	,
2. .01.05	-	8	9	-91	,
2. .01.05	-	8	9	-94	,

2. .01.05	-	8	10	-94	' , , , , ,
2. .01.05	-	8	10	-3	'
2. .01.05	-	8	9	-3	'
2. .01.05	-	8	9	-4	' ,
2. .01.05	-	8	10	-4	' ,
2. .01.05	-	8	10	-7	-
2. .01.05	-	8	9	-7	-
2. .01.05	-	8	9	-3	'
2. .01.05	-	8	10	-3	'
2. .01.05	-	8	10	-4	' ( ) ( ),
2. .01.05	-	8	9	-4	' ( ) ( ),
2. .02.01		8	8	-1	-

2. .02.01		8	8	-7	-
2. .02.01		8	8	-3	,
2. .02.04		8	11	-93	,
2. .02.04		8	11	-1	-
2. .02.04		8	11	-2	( ) ( ) ( )
2. .02.04		8	11	-7	-
2. .02.04		8	11	-3	,
3. .01		8	11	-1	
3. .01		8	11	-2	
3. .01		8	11	-3	- ,
3. .01		8	11	-4	, ,
3. .01		8	11	-5	, ,

3. .01		8	11	-6	-
3. .01		8	11	-7	
3. .01		8	11	-91	,
3. .01		8	11	-92	,
3. .01		8	11	-93	,
3. .01		8	11	-94	,
3. .01		8	11	-95	,
3. .01		8	11	-1	-
3. .01		8	11	-2	( ) ( ) ( )
3. .01		8	11	-3	,
3. .01		8	11	-4	,



3. .01		8	11	-5	,
3. .01		8	11	-6	, -
3. .01		8	11	-7	-
3. .01		8	11	-1	,
3. .01		8	11	-10	
3. .01		8	11	-11	
3. .01		8	11	-2	
3. .01		8	11	-3	,
3. .01		8	11	-4	( ) ( ),
3. .01		8	11	-5	
3. .01		8	11	-6	
3. .01		8	11	-7	

3. .01		8	11	-8	,	,
3. .01		8	11	-9		
4 . .01		4	6			
4 . .02		5	10			

•  
24.05.02

:

		• • •	
" "		• •	
" "		C. •	
" "		• •	
" "		• •	