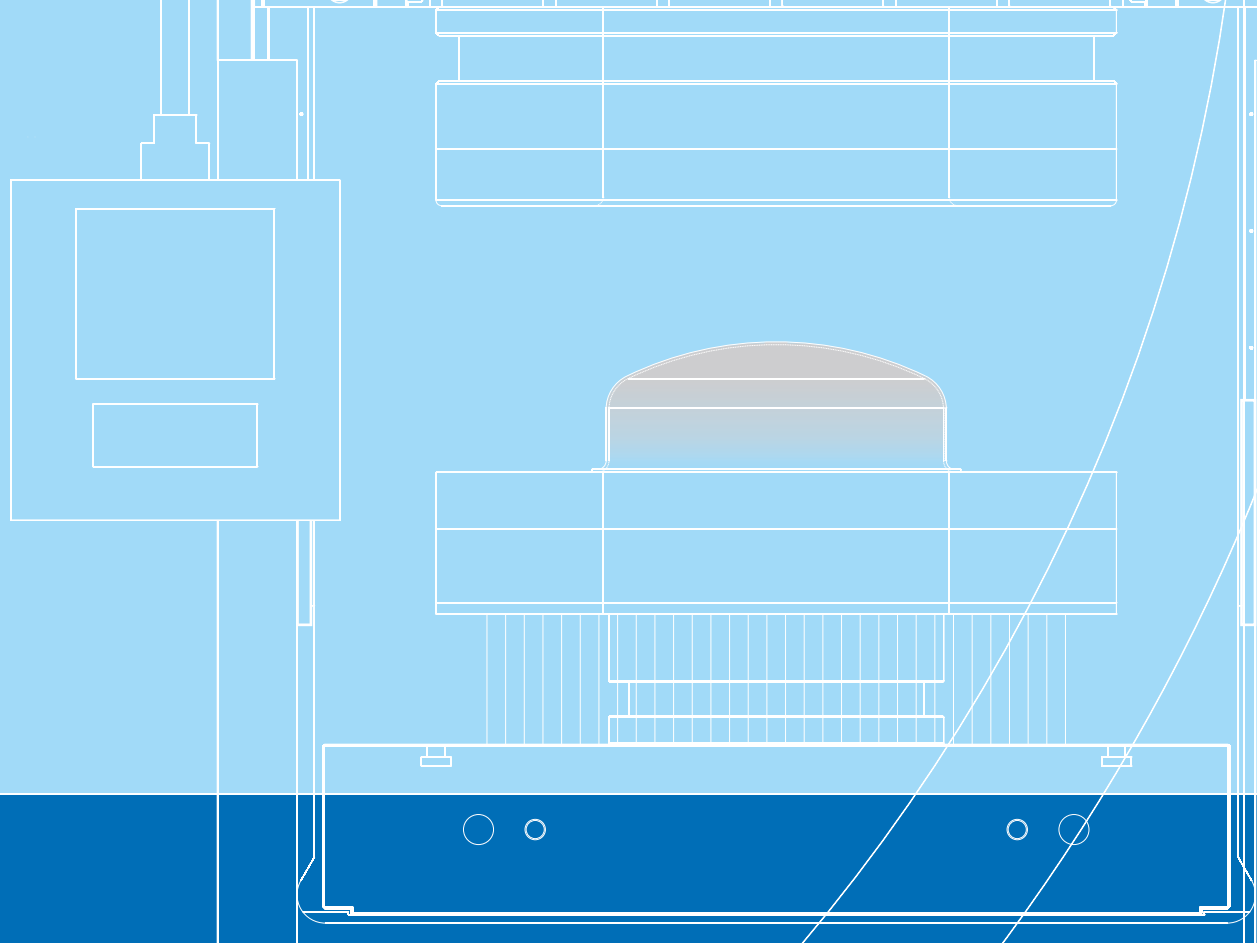


CATALOGO FONDI BOMBATI E PRODOTTI STAMPATI

CATALOGUE DISHED ENDS AND MOULDED PRODUCTS



ZAPÈ

FONDI BOMBATI E STAMPAGGIO LAMIÈRE





L'ESPERIENZA È LA NOSTRA FORZA: LAVORAZIONI SU MISURA DAL 1953

Negli anni Zapè ha sempre privilegiato lo sviluppo di prodotti in sintonia con le nuove esigenze di mercato, ricercando sempre l'anticipazione dei bisogni dei propri clienti. L'azienda ha ottenuto la fiducia del mercato, a seguito di rilevanti investimenti tecnologici e con il costante miglioramento degli standard qualitativi. Impianti di produzione all'avanguardia sono stati concepiti per rendere la produzione flessibile e sempre pronta alle esigenze produttive dei propri clienti.

EXPERIENCE IS OUR STRENGTH: MADE-TO-MEASURE MANUFACTURING SINCE 1953

Over the years Zapè has always favoured the development of products in tune with new market demands, always trying to anticipate its customers' needs. Following significant technological investments and with the constant improvement of quality standards, the company has earned the market's trust. State of the art production facilities were designed to make production flexible and always prepared for its customers production needs.



Area Stabilimenti / Plant Area
12.000 mq / 8.000 mq coperti



La tecnologia delle nostre presse da 1.000 a 16.000 kN permette di realizzare prodotti anche complessi mediante stampaggio tradizionale o imbutitura dal basso.

I nostri impianti automatizzati sono molto flessibili e possono essere utilizzati anche per lo stampaggio in serie di particolari in lamiera per componenti metallici utilizzati nei più svariati settori merceologici.

The technology of our 1,000 to 16,000 kN presses allows us to also create complex products through conventional moulding or deep drawing from below. Our automated systems are very flexible and can also be used for series moulding of sheet metal parts for metal components used in the most diverse sectors.

PER RICHIESTE INFORMAZIONI E PREVENTIVI
COMPILA IL FORM SUL SITO.








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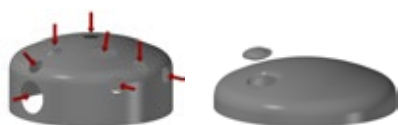
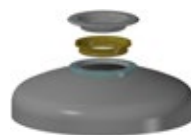
Fondi bombati

Dished heads

5	<p>Fondi a bassa bombatura tipo N <i>Type N dished heads</i></p>	
6	<p>Fondi torosferici (Raggi DIN 28011) tipo D <i>Type D dished heads (torispherical)</i></p>	
7	<p>Fondi semiellittici (Raggi DIN 28013) tipo E <i>Type E dished heads (elliptical)</i></p>	
8	<p>Fondi bombati per tubi <i>Dished heads for tubes</i></p>	
9	<p>Fondi bombati per serbatoi in due pezzi <i>Dished heads for two-piece tanks</i></p>	
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Machining processes that can be realized on dished heads

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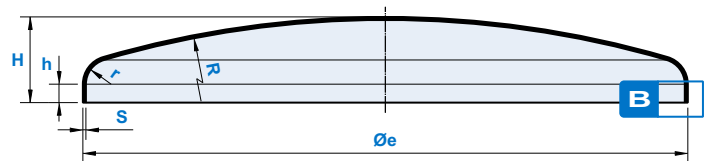
	Tipo: C1 - C2 - C3 <i>Type: C1 - C2 - C3</i>	19
	Tipo: C4 - C5 - C6 - C7 <i>Type: C4 - C5 - C6 - C7</i>	20

Fondi a bassa bombatura tipo N

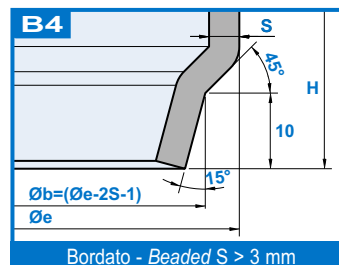
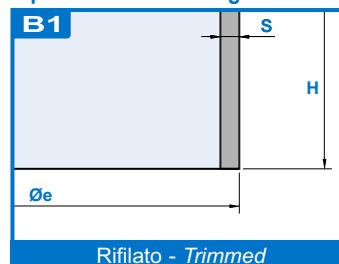
Type N dished heads

5

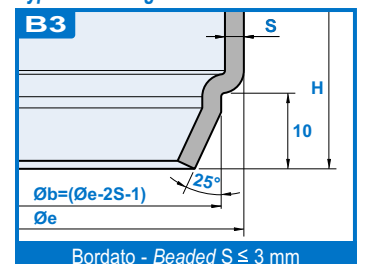
Øe	H	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
500	105	700	30	36	2 ÷ 4	15,2	2,2
550	110	680	43	21	1,5 ÷ 5	18,1	2,5
570	95	1140	35	29	2 ÷ 3	18,3	2,7
600	110	1000	40	43	1 ÷ 3	23,3	3,1
630	120	850	35	34	2 ÷ 3	26,6	3,3
640	125	850	35	37	2 ÷ 2,5	28,7	3,4
650	105	1180	25	38	2 ÷ 3	25,8	3,4
650	105	1000	30	27	1 ÷ 1,5	24,5	3,3
670	110	1250	50	23	2 ÷ 4	28,7	3,6
680	110	900	25	25	1,5 ÷ 2,5	26,5	3,5
700	105	1150	25	30	2 ÷ 4	28,4	3,8
750	140	1000	40	38	2 ÷ 3	43,8	4,6
770	130	1390	43	41	2 ÷ 4	45,5	4,9
790	130	1300	40	37	2 ÷ 4	46,4	5
800	145	1050	50	30	1,5 ÷ 4	50,7	5,1
850	130	1390	30	39	1 ÷ 4	52,6	5,7
880	135	1200	43	20	2 ÷ 3	54,3	5,8
900	125	1430	40	21	1,5 ÷ 3	53,8	5,8
950	140	1430	40	28	1,5 ÷ 4	67,7	6,8
1000	130	1650	25	32	2 ÷ 4	68,9	7,4
1100	145	1700	40	23	1,5 ÷ 4	90,8	8,8
1200	145	1900	30	24	3 ÷ 5	105,3	10,2
1250	150	2350	35	36	3 ÷ 5	131,9	11,4
1270	135	2350	25	26	1,5 ÷ 5	111,4	11,3
1300	150	2450	45	25	2,5 ÷ 5	135,5	12,1
1400	150	2920	30	39	3 ÷ 5	159,8	14,1
1430	130	3000	25	22	2 ÷ 5	134	13,9
1500	140	3000	30	19	2,5 ÷ 6	157,3	15,3
1600	150	3300	35	22	2 ÷ 5	195,6	17,5
1600	190	2400	40	22	3 ÷ 5	237,8	17,8
1800	175	3600	50	19	2 ÷ 4	265	22,3
1900	170	3800	50	15	2 ÷ 6	273	24
2000	200	4000	30	30	3 ÷ 7	429,1	27,4



Tipo di bordatura eseguibile



Type of beading that can be carried out



I fondi possono essere stampati in acciaio al carbonio o inox.

Su richiesta si possono eseguire spessori e altezze diverse da quelle indicate a catalogo e lavorazioni supplementari di foratura, slabbratura e flangiatura (vedi pag.8/10).

* La quota "h" e la capacità "V" sono state calcolate per fondi rifilati con "S" = 3mm
 ** Il peso teorico riportato è da moltiplicare per lo spessore in mm

The dishes can be pressed in carbon steel and in stainless steel.

Heights and thicknesses different from those shown in the catalogue on request. Supplementary drilling, swelling and flanging processes on request (see page 8/10).

* The "h" dimension and the "V" capacity were calculated for trimmed dished heads with "S" = 3 mm
 ** The theoretical weight that is indicated must be multiplied by the thickness in mm

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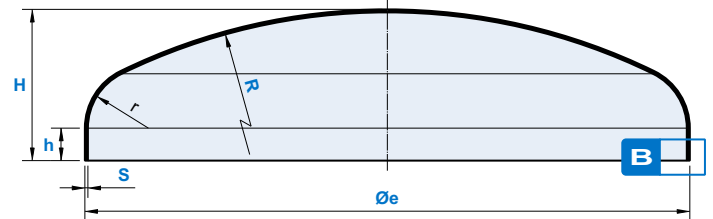
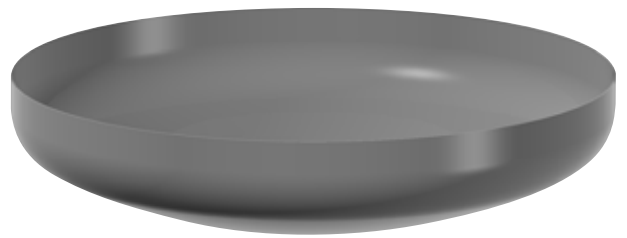


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Fondi torosferici tipo D

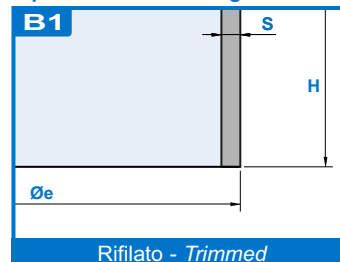
Type D dished heads (torispherical)

Øe	H	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
240	70	240	24	22	2 ÷ 2,5	2,2	0,6
260	70	260	26	18	2 ÷ 3	2,5	0,6
273	80	273	27,3	26	2 ÷ 5	3,3	0,7
276	80	276	27,6	25	2 ÷ 3	3,4	0,7
280	75	280	28	19	2 ÷ 3	3,2	0,7
290	85	290	29	27	2 ÷ 2,5	4	0,8
295	85	295	29,5	26	2 ÷ 3	4,1	0,9
300	83	300	30	23	2 ÷ 4	4,1	0,9
310	90	310	31	28	2 ÷ 2,5	4,8	0,9
315	90	315	31,5	28	2 ÷ 3	5	1
320	80/85	320	32	16/21	3 ÷ 5	4,2/4,7	0,9/1
324	90	324	32,4	26	4 ÷ 6	5,2	1
350	90	350	35	21	2 ÷ 5	6	1,1
360	95	360	36	24	2 ÷ 3,5	6,7	1,2
380	100	380	38	25	2 ÷ 4	7,9	1,3
390	90	390	39	13	2 ÷ 4	7,1	1,3
400	100/110	400	40	21/31	2 ÷ 5	8,6/9,8	1,4/1,5
430	105	430	43	20	2 ÷ 3,5	10,4	1,6
450	105/118	450	45	16/29	2 ÷ 6	11,2/13,2	1,7/1,9
480	130	480	48	35	2 ÷ 5	16,8	2,2
500	135	500	50	37	2 ÷ 6	19	2,4
530	145	530	53	40	2,5 ÷ 4	23	2,7
550	145	550	55	37	2 ÷ 5	24,5	2,8
560	145	560	56	35	2 ÷ 4	25,3	2,9
580	145	580	58	31	3 ÷ 4	26,8	3
600	150	600	60	32	2 ÷ 6	29,7	3,2
610	150	610	61	30	2,5 ÷ 4	30,5	3,3
630	160	630	63	36	2 ÷ 6	35,2	3,6
650	160	650	65	33	2 ÷ 6	37	3,8
700	170	700	70	33	2,5 ÷ 5	45,5	4,3
750	180	750	75	33	2 ÷ 5	55,2	4,9
790	180	790	79	25	2 ÷ 5	60	5,3
800	190	800	80	33	2 ÷ 7	66,1	5,6
850	200	850	85	34	2,5 ÷ 5	78,4	6,3
900	205	900	90	29	2,5 ÷ 5	89	6,9
950	225	950	95	39	2,5 ÷ 6	110,9	7,9
1000	245	1000	100	50	2,5 ÷ 6	135,8	8,9
1100	260	1100	110	45	2,5 ÷ 5	172,2	10,5
1200	290	1200	120	56	3 ÷ 5	231,2	12,7
1250	295	1250	125	51	3 ÷ 5	252,9	13,6
1270	280	1270	127	33	3 ÷ 5	240,8	13,4
1300	310	1300	130	57	3 ÷ 6	289,2	14,8
1400	340	1400	140	68	3 ÷ 6	371,1	17,4
1500	350	1500	150	58	3 ÷ 6	431,9	19,5
1600	370	1600	160	59	3 ÷ 6	518,1	22
1800	385	1800	180	34	4 ÷ 5	633	26,5



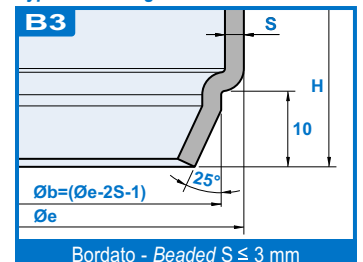
$$R = \text{Øe} ; r = \text{Øe} / 10 \text{ (Radius DIN28011)}$$

Tipo di bordatura eseguibile

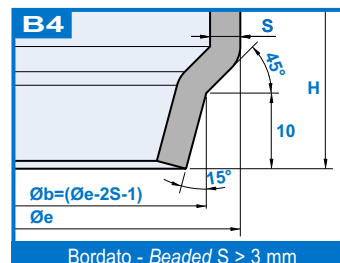


Rifilato - Trimmed

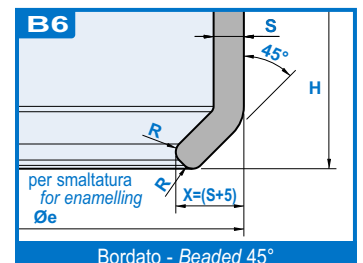
Type of beading that can be carried out



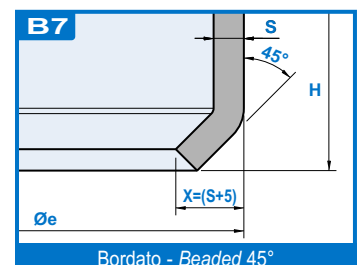
Bordato - Beaded $S \leq 3$ mm



Bordato - Beaded $S > 3$ mm



Bordato - Beaded 45°



Bordato - Beaded 45°

I fondi possono essere stampati in acciaio al carbonio o inox.

Su richiesta si possono eseguire spessori e altezze diverse da quelle indicate a catalogo e lavorazioni supplementari di foratura, slabbratura e flangiatura (vedi pag.8/10).

* La quota "h" e la capacità "V" sono state calcolate per fondi rifilati con "S" = 3mm

** Il peso teorico riportato è da moltiplicare per lo spessore in mm

The dishes can be pressed in carbon steel and in stainless steel.

Heights and thicknesses different from those shown in the catalogue on request. Supplementary drilling, swelling and flanging processes on request (see page 8/10).

* The "h" dimension and the "V" capacity were calculated for trimmed dished heads with "S" = 3 mm

** The theoretical weight that is indicated must be multiplied by the thickness in mm

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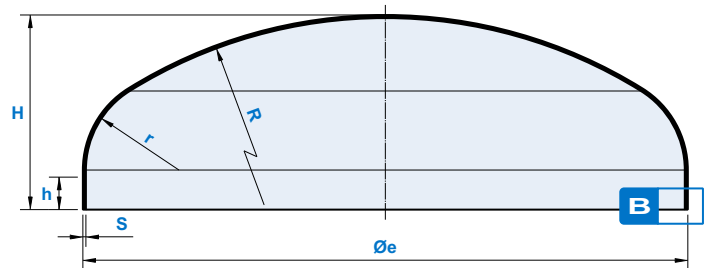
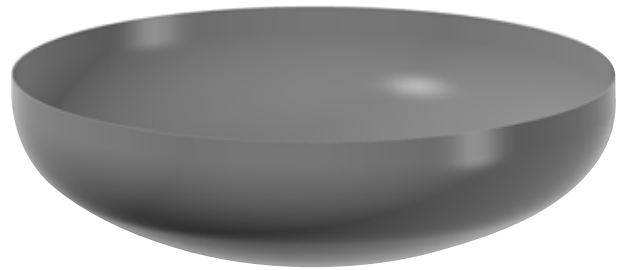


Fondi semiellittici tipo E

Type E dished heads (elliptical)

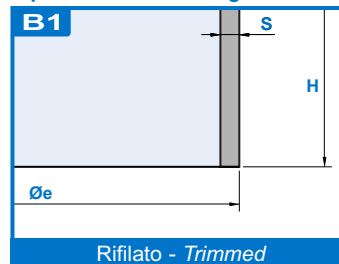
7

Øe	H	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
102	58	81,6	15,7	31	3 ÷ 5	0,3	0,2
121	58	96,8	18,6	26	3	0,5	0,2
150	60	120	23	21	3	0,7	0,3
170	68	136	26,2	24	3	1,1	0,3
194	75	155,2	29,8	25	4	1,6	0,4
200	70	160	30,8	18	3	1,5	0,4
214	73	171,2	32,9	17	3	1,8	0,5
220	85	176	33,8	28	2,5 ÷ 3	2,3	0,6
244	85	195,2	37,5	22	2,5 ÷ 3	2,7	0,6
250	75	200	38,5	10	3	2,4	0,6
250	88	200	38,5	23	4 ÷ 5	3	0,7
265	100	212	40,8	31	2 ÷ 3	3,9	0,8
270	90	216	41,5	20	2 ÷ 3	3,5	0,7
285	100	228	43,8	26	2,5 ÷ 3	4,5	0,9
300	110	240	46,2	33	2,5 ÷ 4	5,5	1
315	110	252	48,5	29	2,5 ÷ 3	6	1,1
320	115	256	49,2	32	2,5 ÷ 3	6,6	1,1
350	120	280	53,8	30	2,5 ÷ 6	8,1	1,3
355	120	284	54,6	29	5 ÷ 6	8,3	1,3
360	120	288	55,4	27	2,5 ÷ 4	8,5	1,3
380	130	304	58,5	32	3 ÷ 4	10,4	1,5
400	140	320	61,5	37	1,5 ÷ 5	12,5	1,7
430	140	344	66,2	29	3 ÷ 4	14,1	1,9
450	150	360	69,2	34	1,5 ÷ 4	16,8	2,1
480	160	384	73,8	37	2 ÷ 5	20,4	2,4
500	165	400	76,9	37	2 ÷ 5	22,8	2,6
530	175	424	81,5	39	2,5 ÷ 4	27,3	2,9
550	175	440	84,6	34	2 ÷ 5	29	3
580	185	464	89,2	36	2,5 ÷ 4	34,2	3,3
600	190	480	92,3	36	2,5 ÷ 6	37,5	3,6
630	190	504	96,9	29	3 ÷ 5	40,5	3,8
650	200	520	100	34	2 ÷ 5	45,9	4,1
700	210	560	107,7	31	3 ÷ 5	55,4	4,7
750	230	600	115,4	38	2,5 ÷ 6	70,4	5,4
790	230	632	121,5	28	3 ÷ 5	76,5	5,8
800	240	640	123,1	35	2 ÷ 4,5	83	6,1
800	240	635	141	25	5 ÷ 7	82,2	6,1
850	260	650	146	32	2,5 ÷ 5	101,8	6,9
900	270	720	138,5	40	3 ÷ 5	118,5	7,7
950	280	760	146,2	37	2,5 ÷ 5	139,4	8,5
1000	310	790	175	41	3 ÷ 7	168,9	9,7
1100	300	880	169,2	19	3 ÷ 6	189,2	10,7
1200	390	900	193	67	3 ÷ 7	307,8	14,3
1250	350	1000	192	31	3 ÷ 6	289,4	14,2
1500	410	1200	230	27	4 ÷ 6	482	21
1600	440	1280	246	32	4 ÷ 5	571	23



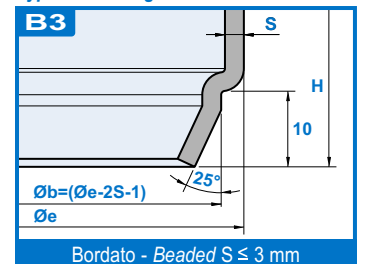
$$R = 0,8 \times \text{Øe} ; r = \text{Øe} / 6,5 \text{ (Radius DIN28013)}$$

Tipo di bordatura eseguibile

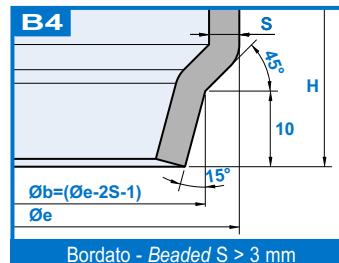


Rifilato - Trimmed

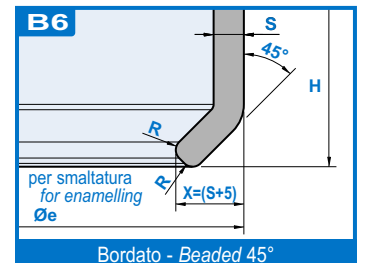
Type of beading that can be carried out



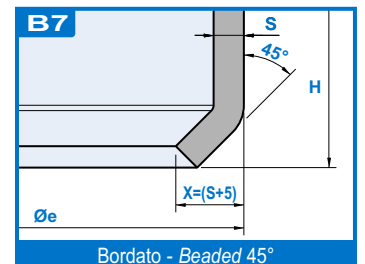
Bordato - Beaded S ≤ 3 mm



Bordato - Beaded S > 3 mm



Bordato - Beaded 45°



Bordato - Beaded 45°

I fondi possono essere stampati in acciaio al carbonio o inox.

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* The "h" dimension and the "V" capacity were calculated for trimmed dished heads with "S" = 3 mm
 ** The theoretical weight that is indicated must be multiplied by the thickness in mm

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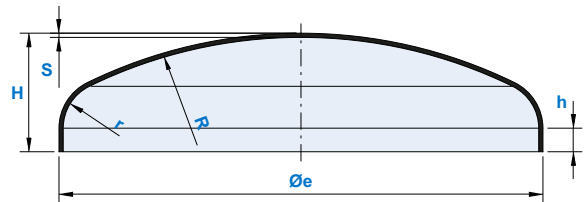
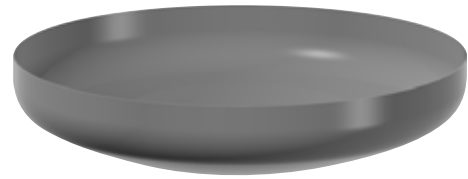
CT-2022-0 IIEEn

Dished heads for tubes

Øe	H	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
33	15	33	3	7	3	0,006	0,013
42	18	42	4,2	8	3	0,005	0,02
60	24	60	6	11	1,5 ÷ 3	0,04	0,04
70	30	70	7	15	3	0,07	0,06
76	25	76	7,6	9	2 ÷ 3	0,07	0,06
89	30	89	8,9	11	1,5 ÷ 3	0,12	0,08
102	32	102	10,2	11	3	0,17	0,1
108	36	108	10,8	13	3	0,22	0,12
114	39	92	19	8	2 ÷ 3	0,25	0,13
133	42	133	13,3	9	2 ÷ 4	0,39	0,18
133	52	133	13,3	19	5	0,52	0,21
139	45	139	13,9	16	2 ÷ 5	0,46	0,2
154	52	154	15,4	21	2 ÷ 5	0,68	0,26
159	48	159	15,9	16	2 ÷ 3	0,64	0,25
159	58	159	15,9	26	3 ÷ 5	0,83	0,29
168	58	168	16,8	23	1,5 ÷ 3	0,89	0,31
168	57	168	16,8	23	3 ÷ 5	0,89	0,31
194	70	194	19,4	31	3 ÷ 4	1,52	0,43
200	65	200	20	25	2 ÷ 3	1,45	0,42
220	70	220	22	26	3 ÷ 5	1,9	0,5
240	70	240	24	22	2,5	2,22	0,57
244	85	240	24	36	2 ÷ 3	2,94	0,66
250	70	250	25	20	3 ÷ 4	2,38	0,6
273	80	273	27,3	26	3 ÷ 5	3,32	0,74

Tipo torosferico tipo D

Torispherical type



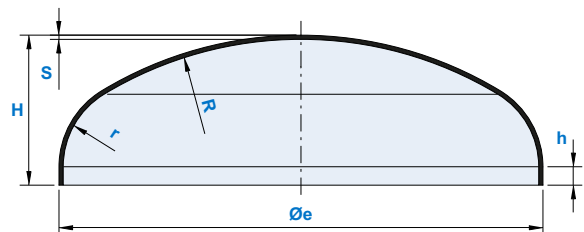
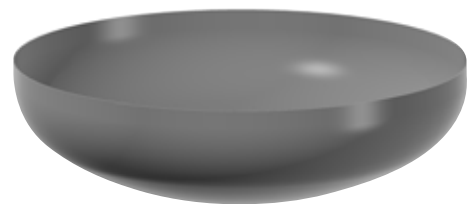
$$R = \text{Øe} ; r = \text{Øe} / 10$$

(Radius DIN28011)

Øe	H	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
76	36	40	15	8	4 ÷ 5	0,09	0,07
89	46	55	15	18	4 ÷ 5	0,18	0,11
108	48	63	14	14	4 ÷ 5	0,27	0,13
133	58	88	25	17	4 ÷ 5	0,53	0,21
159	62	130	25	20	4 ÷ 5	0,85	0,29
168	68	120	30	1	4 ÷ 5	0,65	0,25
170	41	170	2	16	1,5 ÷ 2,5	0,58	0,25
188	80	150	35	28	2,5	1,59	0,43
194	75	155,2	29,8	25	3 ÷ 4	1,55	0,43
194	80	150	35	30	5	1,67	0,44
219	80	155	40	16	4 ÷ 6	1,99	0,5
244	93	190	40	28	4 ÷ 6	3,06	0,67
273	100	210	50	23	4 ÷ 6	4,06	0,8
324	120	270	60	32	4 ÷ 6	7,13	1,17
368	116	300	55	23	4 ÷ 5	8,47	1,33
430	155	380	65	51	4 ÷ 5	16,75	2,07

Tipo speciale

Special type



I fondi per tubi sono stampati in acciaio al carbonio.

* La quota "h" e la capacità "V" sono state calcolate per fondi rifilati con "S" = 3mm
 ** Il peso teorico riportato è da moltiplicare per lo spessore in mm

The dished heads for tubes are pressed in carbon steel.

* The "h" dimension and the "V" capacity were calculated for trimmed dished heads with "S" = 3 mm
 ** The theoretical weight that is indicated must be multiplied by the thickness in mm

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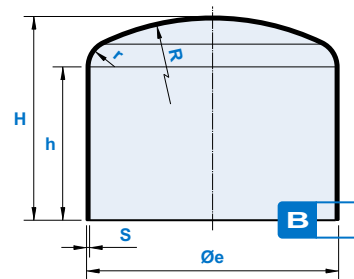
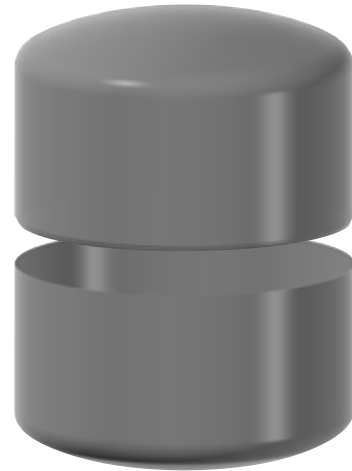
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 Capitale Sociale €12.000.000 i.v. - R.E.A. n. 204560 Reg. Imprese - C.F. P.IVA IT 01910650231



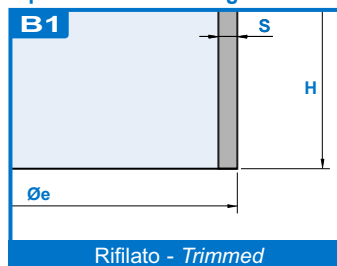
Fondi bombati per serbatoi in due pezzi

Dished heads for two-piece tanks

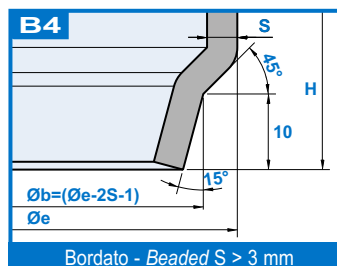
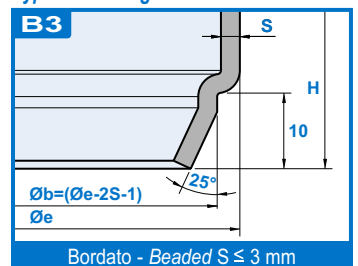
Øe	H _{max}	R	r	*h	S	*V	**P
mm	mm	mm	mm	mm	mm	dm ³	Kg/mm
133	120	106,4	20,5	85	2	1,3	0,4
154	140	123,2	23,7	100	2	2,1	0,6
160	128	160	16	95	2 ÷ 3	2,1	0,6
200	160	160	30,7	108	2 ÷ 2,5	4,1	0,9
200	160	200	20	120	2 ÷ 3	4,3	0,9
220	176	176	33,8	119	2 ÷ 3	5,6	1
220	176	220	22	132	2 ÷ 3	5,7	1,1
260	225	208	40	158	2 ÷ 4	10,1	1,6
280	224	224	43	152	3 ÷ 4	11,6	1,7
300	240	240	46,2	163	2 ÷ 4	14,4	1,9
350	280	280	53,8	190	2 ÷ 4	23	2,6
400	320	400	40	241	1,5 ÷ 3	35,4	3,6
400	320	320	61,5	217	1,5 ÷ 3	34,5	3,5
450	360	360	69,2	244	2 ÷ 4	49,3	4,4
500	400	400	76,9	272	3 ÷ 4	67,9	5,4
500	400	500	50	302	2 ÷ 3,5	69,7	5,6
550	310	440	84,6	169	3 ÷ 5	60,3	4,8
600	310	480	92,3	156	3 ÷ 4	70,7	5,3
640	390	950	90	267	2 ÷ 2,5	112,1	7,5
700	240	700	70	103	3 ÷ 4	72	5,5
800	483	1500	90	309	2 ÷ 3	222,2	11,9



Tipo di bordatura eseguibile



Type of beading that can be carried out



I fondi possono essere stampati in acciaio al carbonio o inox.

Su richiesta si possono eseguire spessori e altezze diverse da quelle indicate a catalogo. H max = 0,8 x Øe.

* La quota "h" e la capacità "V" sono state calcolate per fondi rifilati con "S" = 3mm
 ** Il peso teorico riportato è da moltiplicare per lo spessore in mm

The dishes can be pressed in carbon steel and in stainless steel.

Heights and thicknesses different from those shown in the catalogue on request. H max = 0.8 x Øe.

* The "h" dimension and the "V" capacity were calculated for trimmed dished heads with "S" = 3 mm
 ** The theoretical weight that is indicated must be multiplied by the thickness in mm

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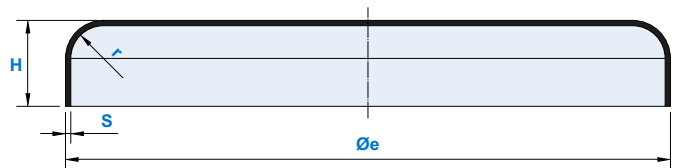


Flat heads

Øe mm	H min mm	r mm	S mm
200	35	11	3
220	35	9	3
250	40	9	3
300	45	10	3
320	45	10	3
350	45	10	3
360	80	10	3
400	50	10	3
400	60	40	2
450	60	50	4
470	60	25	4
500	60	50	3 ÷ 4
550	60	35	6
600	60	25	4
620	60	30	3
630	60	45	2
650	100	25	3
670	120	50	3
700	80	25	5
750	80	18	5
770	100	50	4
790	110	80	2
800	120	20	5
850	110	50	5
880	150	18	3
950	80	25	3 ÷ 5
1000	160	50	5
1100	80	16	5
1100	180	25	3

Con raggiatura ampia

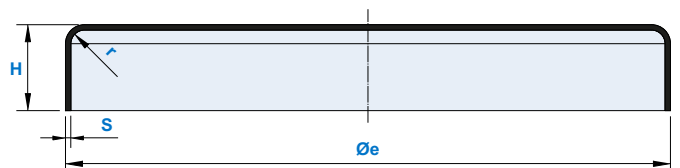
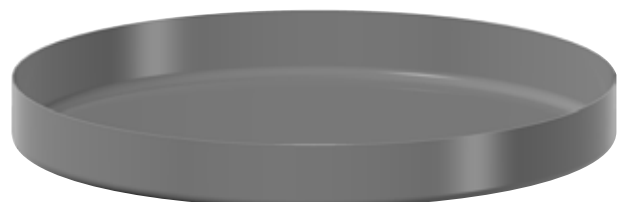
With large radius



Øe mm	H min mm	r mm	S mm
170	30	2	2
188	35	5	3
194	35	3	3
260	20	3	2,5
280	20	2	2,5
295	20	3	3
500	70	5	2
600	30	4	3
640	60	2	1,5
650	30	4	3
700	30	4	3
750	70	2	3
900	60	4	3

Con raggiatura ridotta

With narrow radius



I fondi per tubi sono stampati in acciaio al carbonio o inox.

Su richiesta si possono eseguire spessori e altezze diverse da quelle indicate a catalogo.

The dishes can be pressed in carbon steel and in stainless steel.

Heights and thicknesses different from those shown in the catalogue on request.

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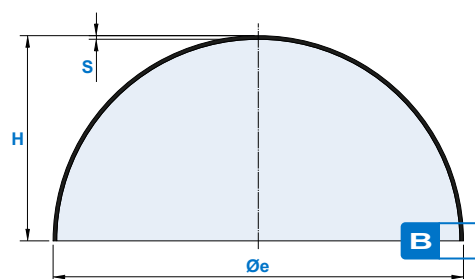
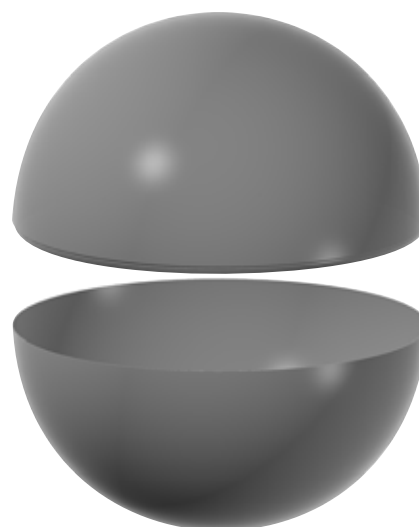


Fondi bombati semisferici

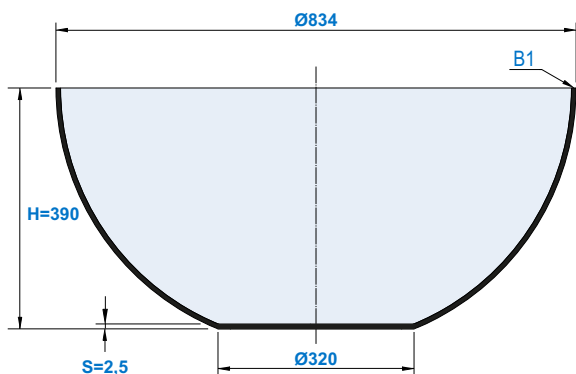
Hemispherical dished heads

11

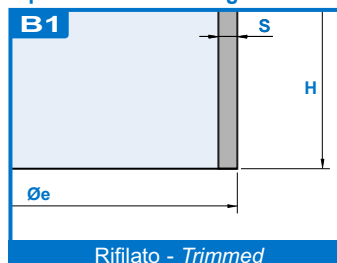
$\varnothing e$ mm	H Rifilato Trimmed mm	H Bordato Beaded mm	S mm
150*	75	-	3
194*	97	-	3
200	100	110	3
220	110	120	2
260	130	140	2
315	157,5	167,5	2
400	200	200	3
405	202,5	212,5	6
430	215	225	3
450	225	235	5
500	250	260	3
550	275	285	5 + 6
560	280	290	4
600	300	310	5
610	305	315	4
615	307,5	317,5	5



Per Bracieri o Barbecue - For Braziers or Barbecue

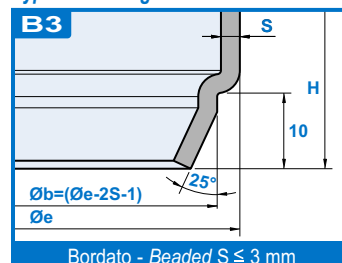


Tipo di bordatura eseguibile

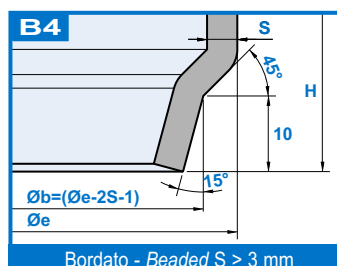


Rifilato - Trimmed

Type of beading that can be carried out



Bordato - Beaded $S \leq 3$ mm



Bordato - Beaded $S > 3$ mm

I fondi bombati semisferici sono stampati in acciaio al carbonio.

* Le semisfere Ø150 e Ø194 vengono fornite solo rifilate (B1)

The hemispherical dished heads are pressed in carbon steel.

* Dia. 150 and dia. 194 hemispheres are only supplied trimmed (B1).

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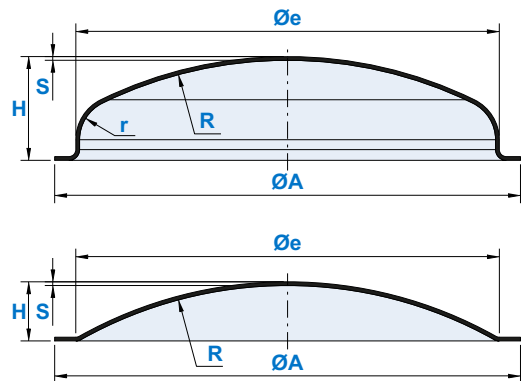


CT-2022-0 IIEEn



Fondi a cappello cinese

Flanged discs



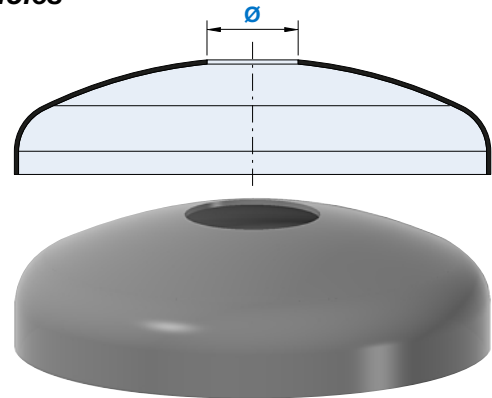
L'altezza (H) massima e i raggi di bombatura eseguibili, sono indicativamente quelli dei fondi a catalogo. L'ala (ØA) è variabile a seconda delle esigenze. *Guideline maximum dishing heights (H) and radii are those of the dished heads in the catalogue. The flange (ØA) can be varied as required.*

Ø				
mm				
10	17,5	20	21	22
25	27	29	30	32
34	35	39,5	42	44
45	46	47	49,5	50
52	56	58	60,5	62
65	71	72	74	78
89	102	104	115	125
150	155	161	170	180
185	200	210	222	237
262	282	290	310	330

Eseguibili su richiesta - On request

Fori tranciati

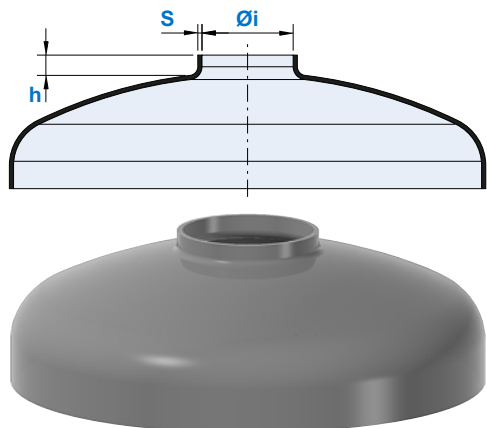
Holes



Øi	h	S
mm	mm	mm
97	11	5
97	15	1,5 ÷ 3
125	15	1,5 ÷ 3
158	38	1,5 ÷ 3
170	27	1,5 ÷ 3
214	15-25	1,5 ÷ 3
228	24	1,5 ÷ 3
234	25	1,5 ÷ 3
234	15	1,5 ÷ 2,5
394	18	1,5 ÷ 2

Fori slabbrati

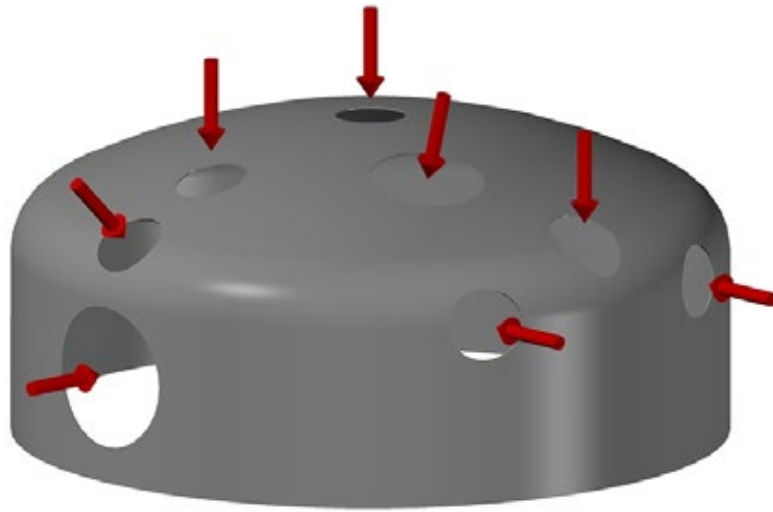
Flanged holes



Lavorazioni eseguibili sui fondi bombati

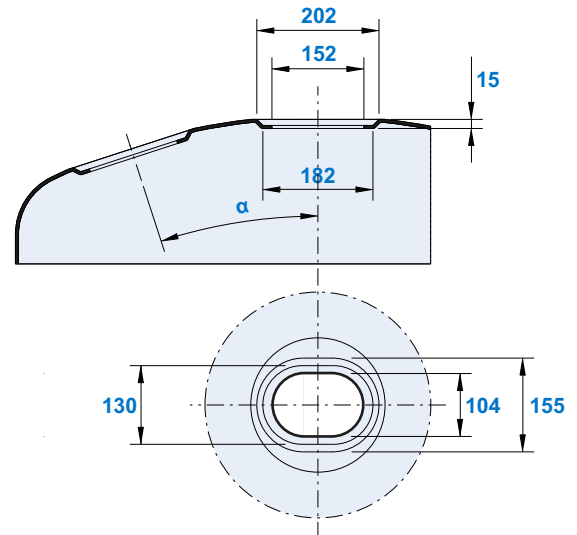
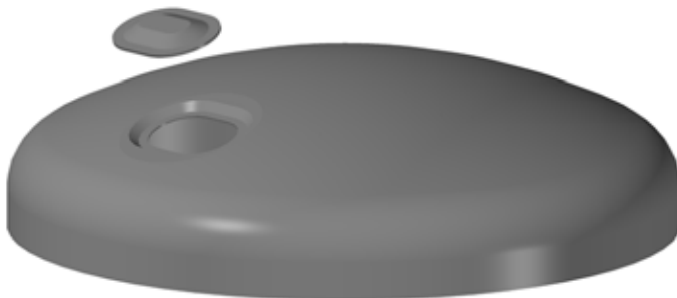
Machining processes that can be realized on dished heads

Taglio al plasma *Plasma cutting*



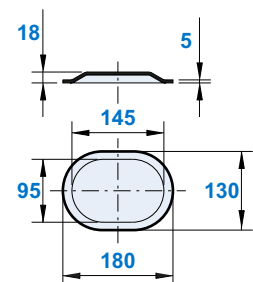
Su richiesta si possono eseguire lavorazioni supplementari di taglio al plasma
On request, additional processing of plasma cutting can be realized.

Foro d'ispezione *Impression with "handhole"*



Eseguibile sia in asse che fuori asse
The impression can be carried out in axis and off axis.

Codice coperchio: **G1800000**
Cover code:



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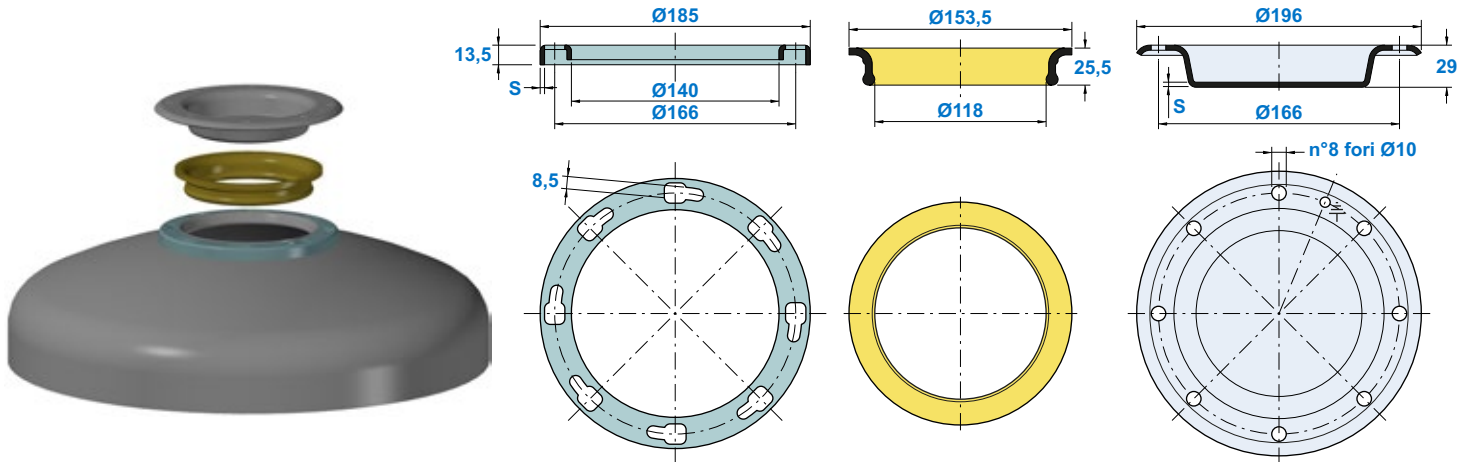


Aggraffatura con flangia a 8 fori

Seaming with 8-hole flange

Eseguibile su vari diametri e tipi di fondi a catalogo.
Eseguibile anche in acciaio inox.

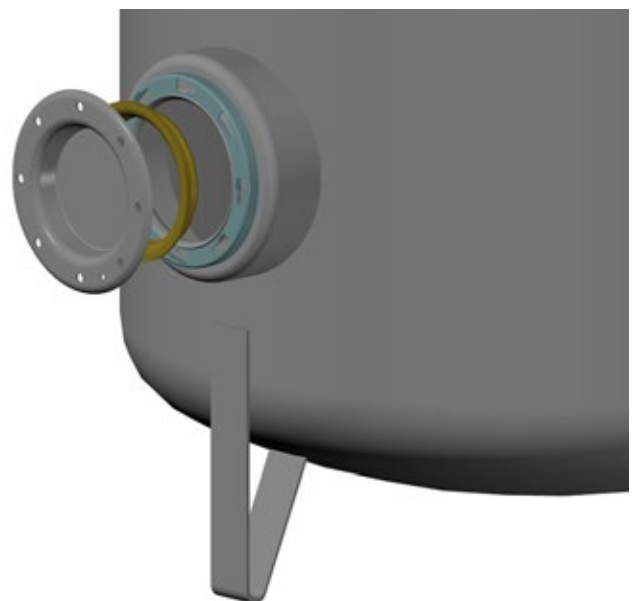
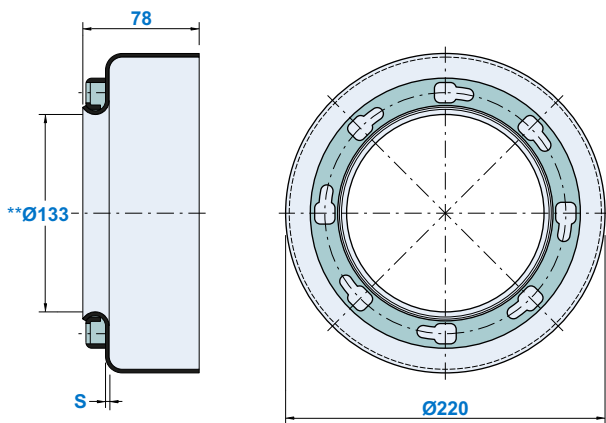
Can be done on various catalogue types of dished heads and diameters.
Can be carried out on stainless steel.



	Flangia 8 fori 8-hole flange		Guarnizione Gasket	Coperchio 8 fori 8-hole cover	
Codice - Code	*FFN18525	FF18520	GFN8FORI	*FCC19635	FC19620
Materiale - Material	DD12	AISI 304		DD12	AISI 304
Spessore - Thickness S	2,5	2		3,5	2

Disponibile anche in acciaio inox AISI 316L.

Also available in AISI 316L stainless steel.

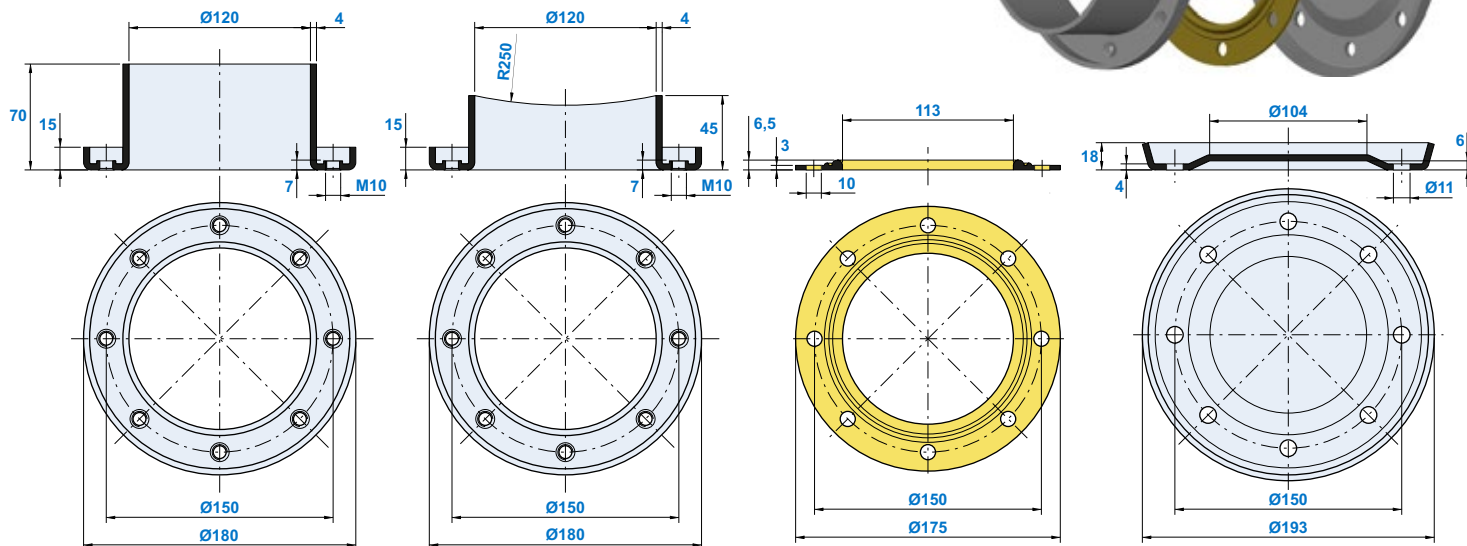


Boccaporto con flangia a 8 fori Manhole with 8-hole flange		
Codice - Code	RP022025	RPI22021
Materiale - Material	DD12	AISI 316L
Spessore - Thickness S	2,5	2

** Il diametro varia a seconda dello spessore del fondo e della qualità del materiale.

** Diameter varies depending on the thickness of the dished heads and the type of material.

Flangia Ø180 a 8 fori filettati
Dia. 180 flange with 8 holes (M10)



Flangia 8 fori
8 hole flange

Flangia 8 fori + Taglio al plasma R250
8 hole flange + Plasma cutting (R250)

Guarnizione
Gasket

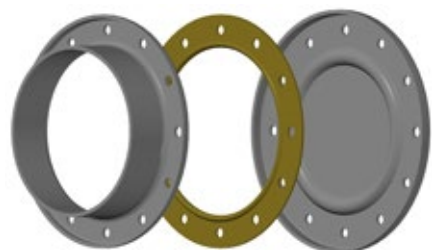
Coperchio 8 fori
8-hole cover

Codice - Code **FFF18040**

FFT18040

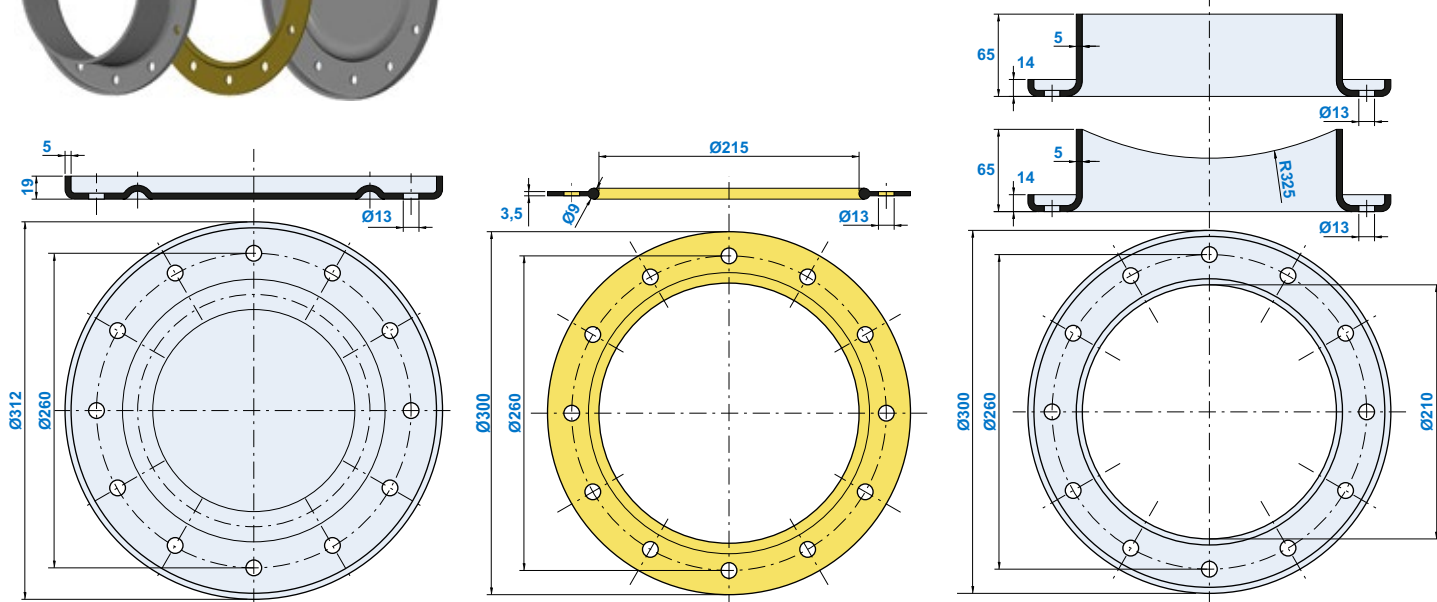
GFN8F120R

FCC19340



Flangia Ø300 a 12 fori

Dia. 300 flange with 12 holes



Coperchio 12 fori
12 hole cover

Guarnizione
Gasket

Flangia 12 fori + Taglio al plasma R325
12 hole flange + Plasma cutting (R325)

Codice - Code

FCC31250

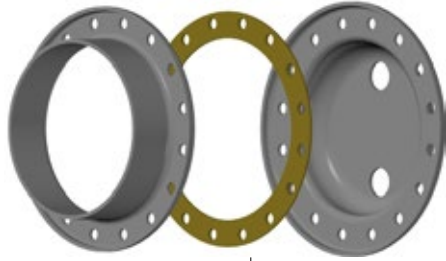
GFN12FORI

FFN30050

FFT30050

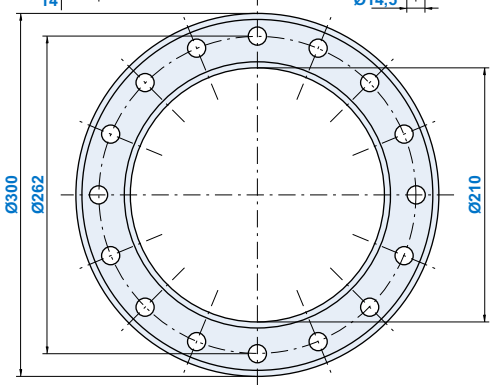
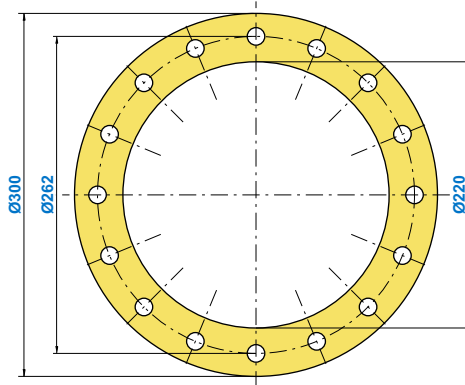
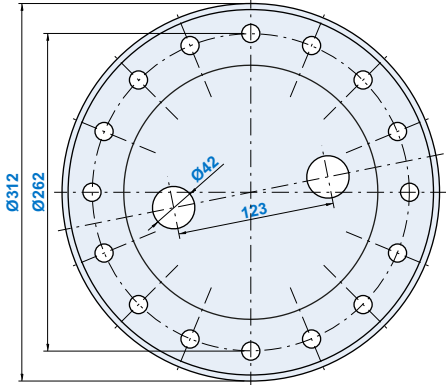
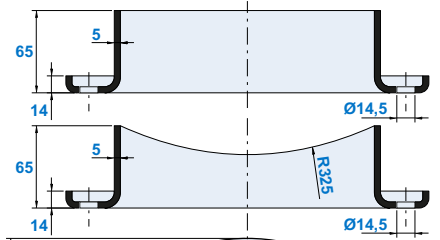
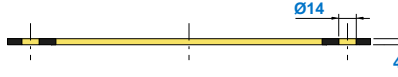
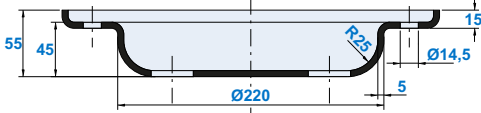
Flange, guarnizioni e coperchi

Matching flanges, gaskets and covers



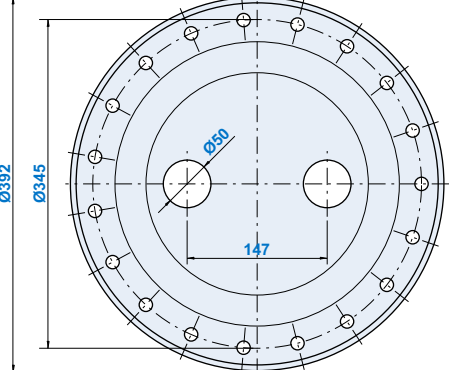
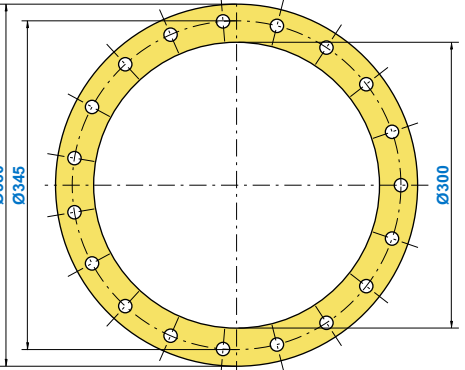
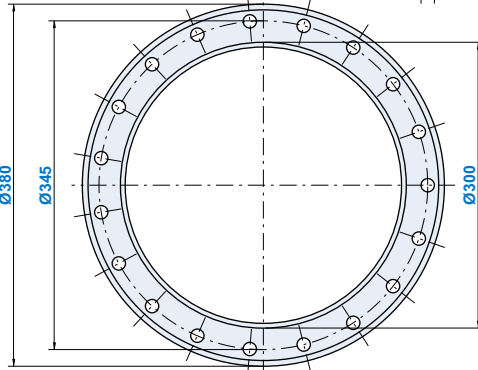
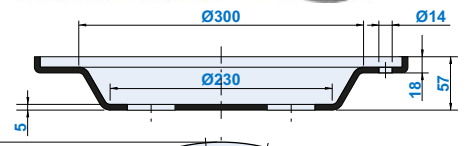
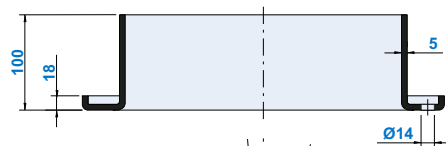
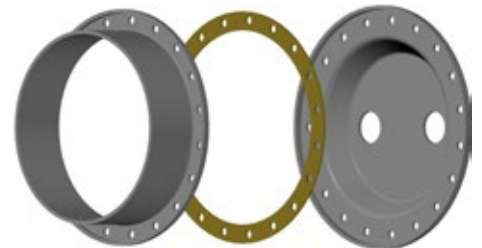
Flangia Ø300 a 16 fori

Dia. 300 flange with 16 holes



Coperchio 16 fori con n°2 fori Ø42 16 hole cover + n°2 Ø42		senza fori Ø42 without Ø42 holes	Guarnizione Gasket	Flangia 16 fori + Taglio al plasma R325 16 hole flange + Plasma cutting (R325)
Codice - Code	FCF31250	FCC31251	GFN16FORI	FF030050 FFT30051

Flangia Ø380 a 19 fori
Dia. 380 flange with 19 holes



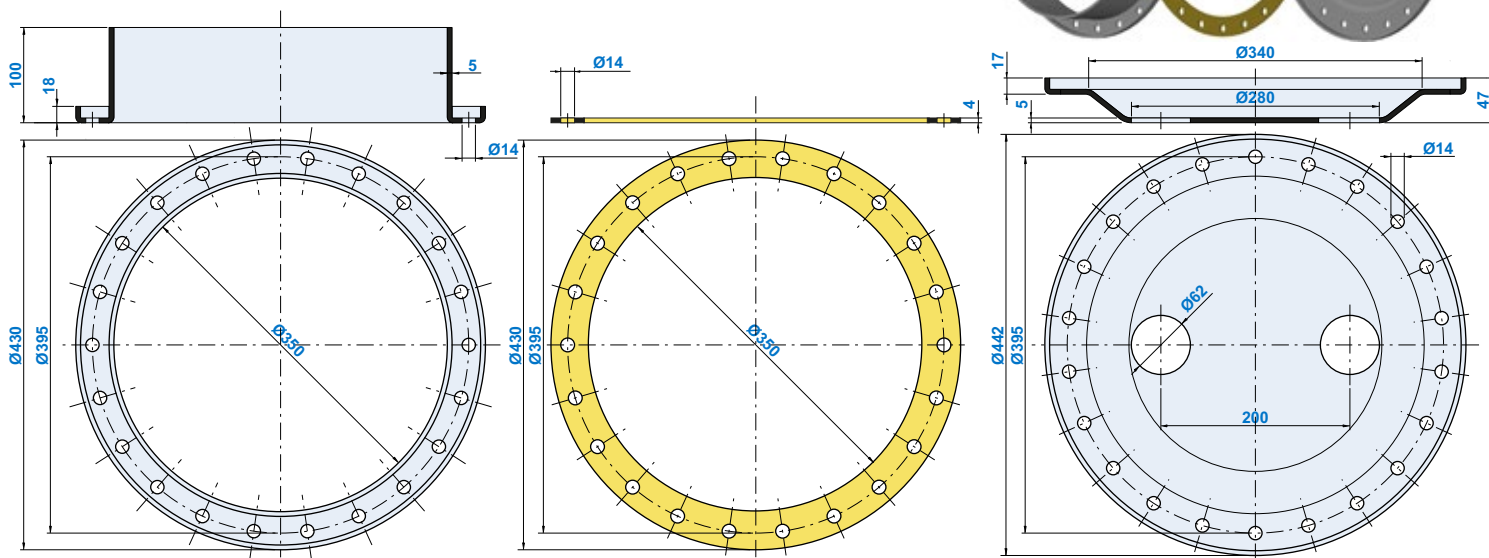
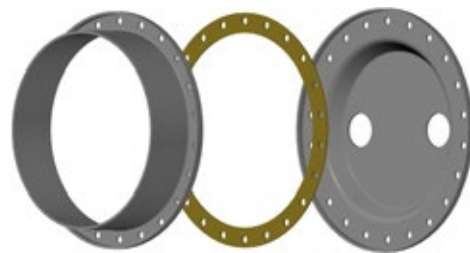
Flangia 19 fori 19 hole flange		Guarnizione Gasket	Coperchio 19 fori con n°2 fori Ø50 19 hole cover + n°2 Ø50	senza fori Ø50 without Ø50 holes
Codice - Code	FFN38050	GFN19FORI	FCF39250	FCC39250

Flange, guarnizioni e coperchi

Matching flanges, gaskets and covers

17

Flangia Ø430 a 22 fori
Dia. 430 flange with 22 holes



Flangia 22 fori
22 hole flange

Guarnizione
Gasket

Coperchio 22 fori con n°2 fori Ø62
22 hole cover + n°2 Ø62
senza fori Ø62
without Ø62 holes

Codice - Code

FFN43050

GFN22FORI

FCF44250

FCC44250

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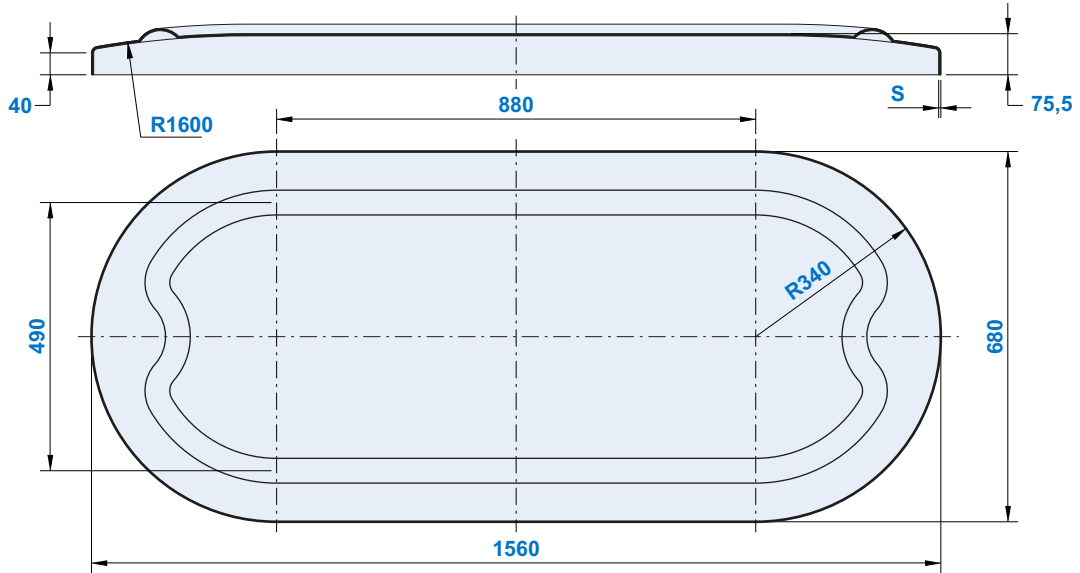
Pressed products



Fondo ovale per serbatoi multiuso

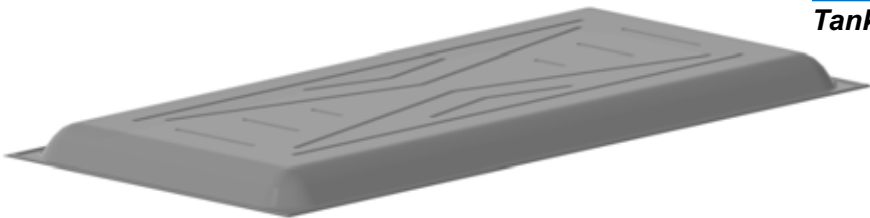
Oval dished heads for multipurpose tanks

Codice - Code	ROVALI15	ROVALI20
S	1,5	2



I fondi ovali sono stampati in acciaio al carbonio.

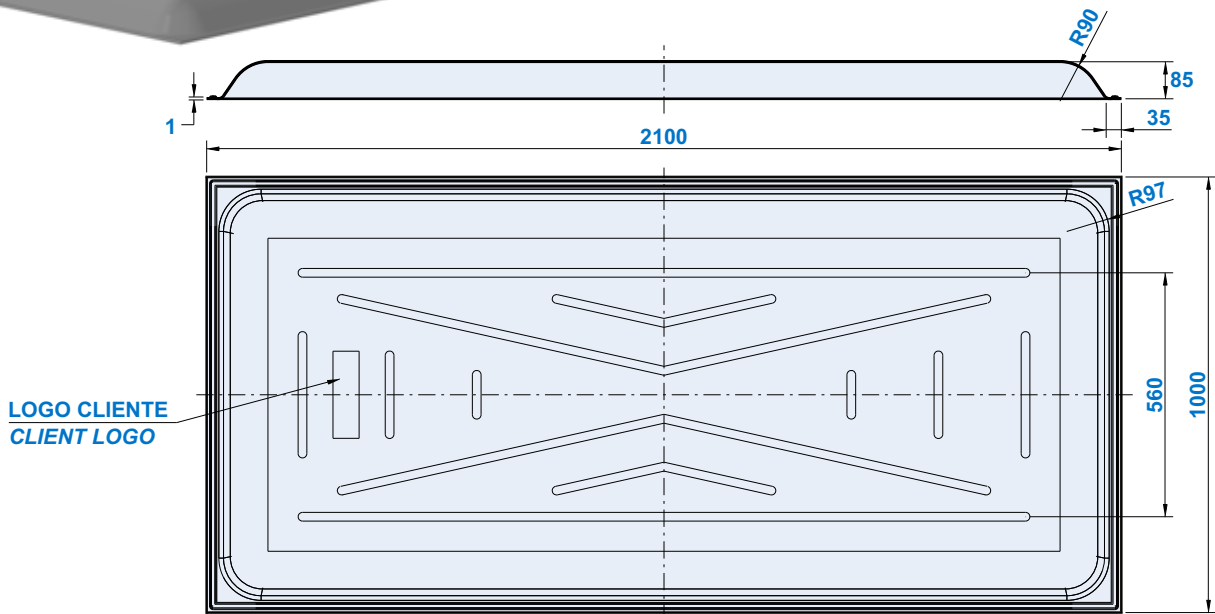
Oval dished heads are pressed in carbon steel.



Vasca in alluminio per pannello solare

Tanks in aluminium for solar panels

Codice - Code: INVASOAL



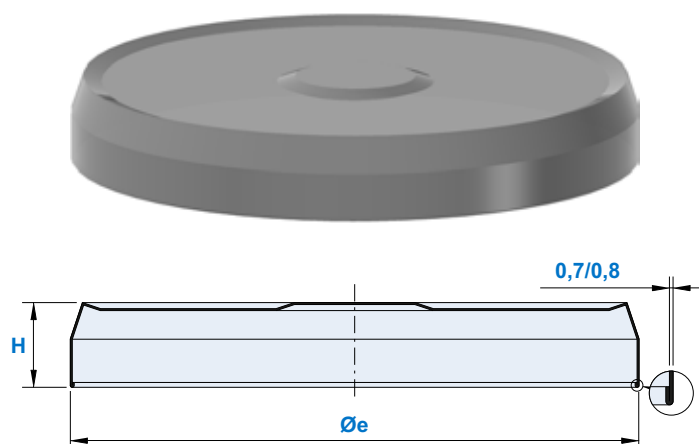
Calotte in lamiera lucida per esterno scaldabagni

Glossy sheet metal shells to cover water heaters

19

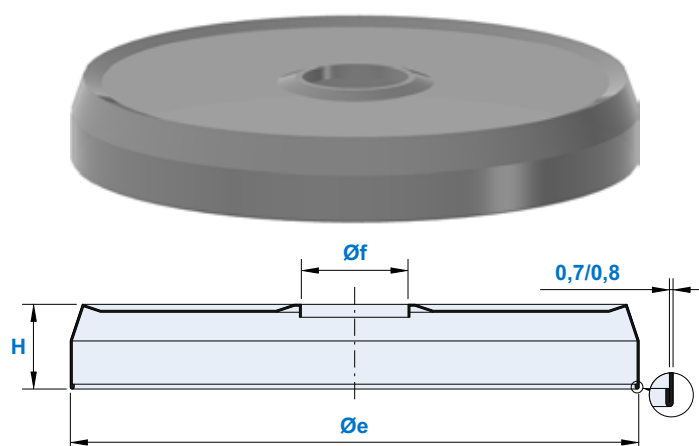
C1

$\varnothing e$ mm	H mm
420	70
440	50
450	60
470	70
490	60



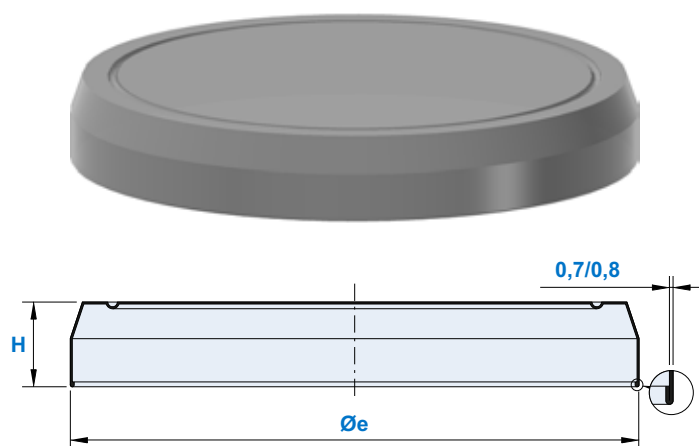
C2

$\varnothing e$ mm	H mm	$\varnothing f$ mm
420	85	150/180/220
440	50	
450	60	
470	85	
490	60	



C3

$\varnothing e$ mm	H mm
460	50
460	70



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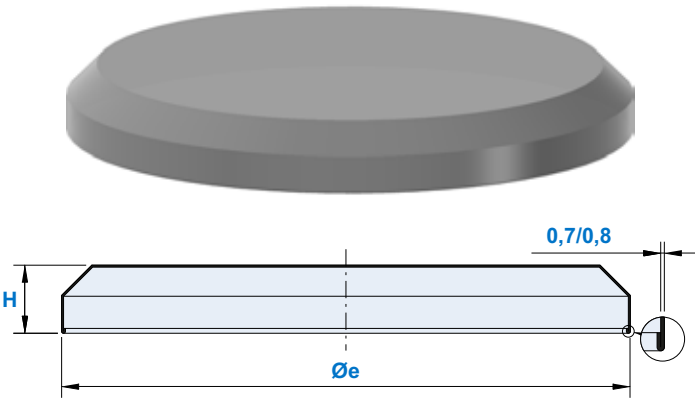
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 Capitale Sociale €12.000.000 i.v. - R.E.A. n. 204560 Reg. Imprese - C.F. P.IVA IT 01910650231



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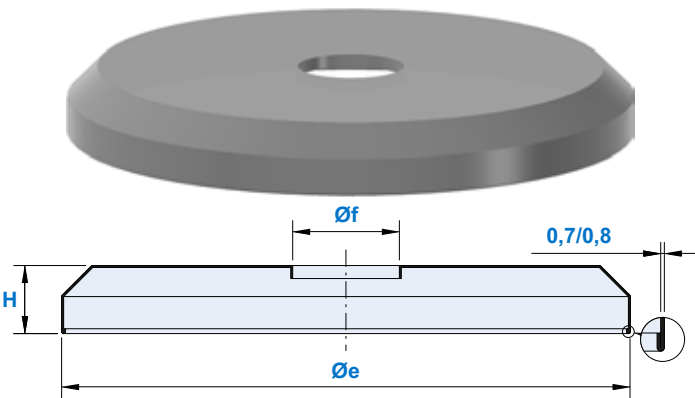
Calotte in lamiera lucida per esterno scaldabagni

Glossy sheet metal shells to cover water heaters



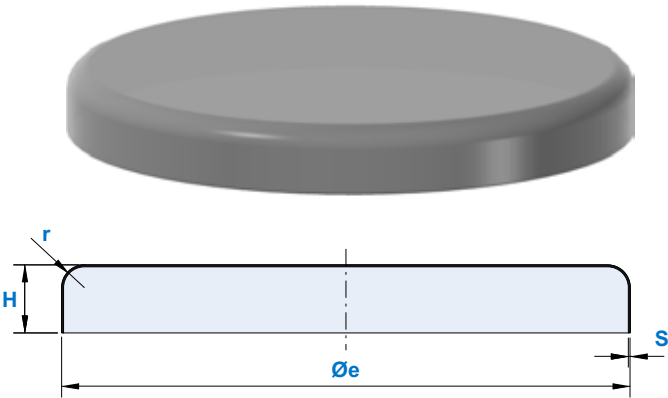
C4

Øe mm	Ød mm	H mm
320	290	80
350	310	80
400	380	80
420	380	50
440	400	50
470	430	50
490	450	50



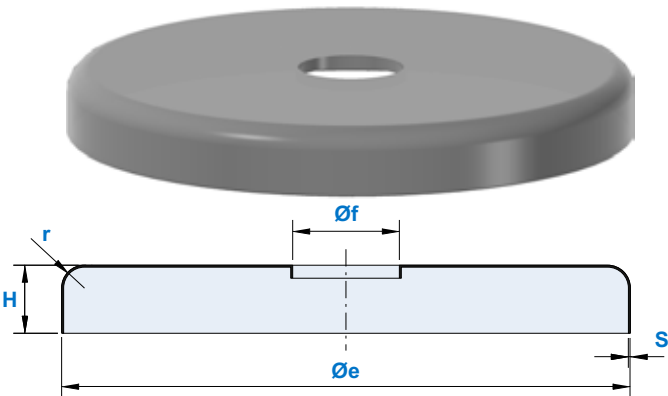
C5

Øe mm	Ød mm	H mm	Øf mm
420	380	50	150/180/220
440	400		
470	430		
490	450		



C6

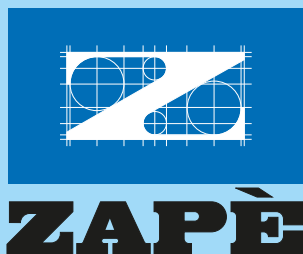
Øe mm	H mm	r mm	S mm
400	70	15	0,7
420	70	15	0,7
440	70	15	0,7
490	70	20	0,7
540	70	18	0,7
580	80	20	0,7
650	70	10	1



C7

Øe mm	H mm	r mm	S mm	Øf mm
400	70	15	0,7	150/180/220
420	70	15		
440	70	15		
490	70	20		
540	70	18		
580	80	20		





Produzione fondi bombati per tutti i generi di serbatoi e contenitori metallici.
Imbutitura profonda, fondi per serbatoi in due pezzi, fondi bombati per tubi,
fondi piani, fondi emisferici.

Dished ends production for all types of tanks and metal containers.
deep drawing, ends for tanks in two pieces, dished ends for pipes, flat ends,
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