

Bossage en Acier ASTM A 105-Chanfreine-- Norme: MSS SP97

BRBOA115BEID50700

Rev.G

STANDARD ELEMENTAIRE

**ELEMENT STANDARD** 

Boss-ASTM A 105 Steel-Beveled End--MSS SP97

Page 1 sur 5

#### PRINCIPALES UTILISATIONS

Vapeur

Eau d'alimentation des chaudières Navires à turbines

#### **DOCUMENTS DE REFERENCE**

-

# **FOURNISSEUR FABRICANT**

Non imposé

# **ETAT DE LIVRAISON**

**= 1**/

#### **DOCUMENTS DE CONTROLE**

Document de contrôle suivant NF EN 10-204 type 2.1, type 2.2, type 3.1, type 3.2 si spécifié sur la commande.

# **MATERIEL AVEC APPROBATION**

Sans

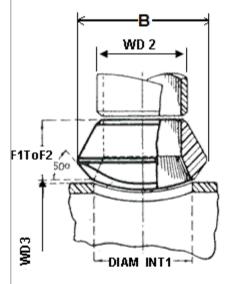
#### **MATIERE TRAITEMENT DE SURFACE**

Acier suivant: ASTM A 105 / A 105 M

# **CARACTERISTIQUES**

MARQUAGE Suivant Spécification Technique

Dérivations égales



Dérivations inégales

# MAIN USES

Steam

Boiler water

Turbine ships

# **REFERENCE DOCUMENTS**

-

# **SUPPLIER MANUFACTURER**

No imposed

# **DELIVERY STATUS**

\_

#### CONTROL DOCUMENTS

Certificate according to NF EN 10204 type 2.1, type 2.2, type 3.1, type 3.2 if specified on the order

37\* 30

±2\*30°

# MATERIAL WITH APPROVAL

Without

#### MATERIAL SURFACE TREATMENT

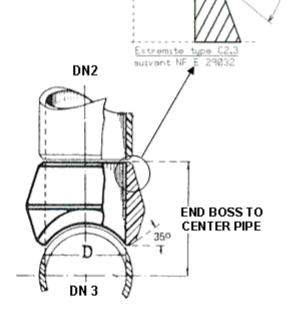
1.2署

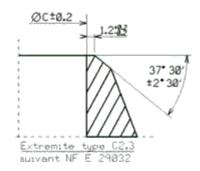
Forged as per: ASTM A 105 / A 105 M

# **CHARACTERISTICS**

ØC±0.2

Marking as per technical specification





# CHANTIERS DE L'ATLANTIQUE

Bossage en Acier ASTM A 105-Chanfreine-- Norme : MSS SP97

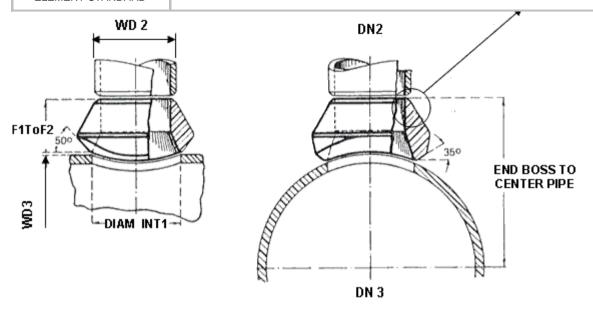
**BRBOA115BEID50700** Rev.G

Page 2 sur 5

STANDARD ELEMENTAIRE

ELEMENT STANDARD

Boss-ASTM A 105 Steel-Beveled End--MSS SP97



Référence Objet	DN2 (mm)	DN3 (mm)	TH2 (mm)	Weight	Water Weight (kg)	Work Diam 2 WD2 (mm)	Work Diam 3 WD3 (mm)	Pipe Length (mm)	F1 TO F2 (mm)	Diam Int1 (DI1) (mm)	End Boss To Center Pipe (EBTOCP) (mm)	D (mm)	B (mm)
5000016957	32	300	2.6	(kg) .36	.05	42.4	323.9	32	32	44.5	194	(111111)	65.09
5000016958	32	600	2.6	.36	.05	42.4	610	32	32	44.5	337		65.09
SA033329	40	50	2.6	0.45	0.061	48.3	60.3	33.3	33.3	50.8	63		73
SA020218	40	50	3.6	0.45	0.061	48.3	60.3	33.3	33.3	50.8	63		73
SA033328	40	50	5	0.45	0.061	48.3	60.3	33.3	33.3	50.8	63		73
SA033333	40	65	2.6	0.45	0.061	48.3	76.1	33.3	33.3	50.8	63		73
SA020220	40	65	3.6	0.45	0.061	48.3	76.1	33.3	33.3	50.8	63		73
SA033331	40	65	5	0.45	0.061	48.3	76.1	33.3	33.3	50.8	63		73
SA033338	40	80	2.6	0.45	0.061	48.3	88.9	33.3	33.3	50.8	78		73
SA020223	40	80	3.6	0.45	0.061	48.3	88.9	33.3	33.3	50.8	78		73
SA033335	40	80	5	0.45	0.061	48.3	88.9	33.3	33.3	50.8	78		73
SA033344	40	100	2.6	0.45	0.061	48.3	114.3	33.3	33.3	50.8	90		73
SA020228	40	100	3.6	0.45	0.061	48.3	114.3	33.3	33.3	50.8	90		73
SA033340	40	100	5	0.45	0.061	48.3	114.3	33.3	33.3	50.8	90		73
SA033351	40	125	2.6	0.45	0.061	48.3	139.7	33.3	33.3	50.8	103		73
SA020233	40	125	3.6	0.45	0.061	48.3	139.7	33.3	33.3	50.8	103		73
SA033346	40	125	5	0.45	0.061	48.3	139.7	33.3	33.3	50.8	103		73
SA033365	40	150	2.6	0.45	0.061	48.3	168.3	33.3	33.3	50.8	117		73
SA020239	40	150	3.6	0.45	0.061	48.3	168.3	33.3	33.3	50.8	117		73
SA033358	40	150	5	0.45	0.061	48.3	168.3	33.3	33.3	50.8	117		73
SA033381	40	200	2.6	0.45	0.061	48.3	219.1	33.3	33.3	50.8	143		73
SA020246	40	200	3.6	0.45	0.061	48.3	219.1	33.3	33.3	50.8	143		73
SA033373	40	200	5	0.45	0.061	48.3	219.1	33.3	33.3	50.8	143		73
SA033397	40	250	2.6	0.45	0.061	48.3	273	33.3	33.3	50.8	170		73
SA020254	40	250	3.6	0.5	0.061	48.3	273	33.3	33.3	50.8	170		73
SA033389	40	250	5	0.45	0.061	48.3	273	33.3	33.3	50.8	170		73
SA033407	40	300	2.6	0.45	0.061	48.3	323.9	33.3	33.3	50.8	195		73
SA033314	50	50	2.9	0.68	0.109	60.3	60.3	38.1	38.1	65.1	68	52.4	88.9
SA033313	50	50	4	0.7	0.109	60.3	60.3	38.1	38.1	65.1	68	52.4	88.9
SA033312	50	50	5.6	0.73	0.109	60.3	60.3	38.1	38.1	65.1	68	52.4	88.9
SA033332	50	65	2.9	8.0	0.109	60.3	76.1	38.1	38.1	65.1	76		88.9



Bossage en Acier ASTM A 105-Chanfreine-- Norme : MSS SP97

**BRBOA115BEID50700** Rev.G

STANDARD ELEMENTAIRE

ELEMENT STANDARD

Boss-ASTM A 105 Steel-Beveled End--MSS SP97

Page 3 sur 5

Référe Obje		DN2 (mm)	DN3 (mm)	TH2 (mm)	Weigh (kg)	Water t Weight (kg)	Work Diam 2 WD2 (mm)	Work Diam 3 WD3 (mm)	Pipe Length (mm)	F1 TO F2 (mm)	   (E	iam nt1 DI1) nm)	End Boss To Center Pipe (EBTOCP) (mm)	D (mm)	B (mm)
SA0202	219	50	65	4	0.8	0.109	60.3	76.1	38.1	38.1	6	5.1	76		88.9
SA033	330	50	65	5.6	0.8	0.109	60.3	76.1	38.1	38.1	6	5.1	76		88.9
SA033	337	50	80	2.9	0.8	0.109	60.3	88.9	38.1	38.1	6	5.1	83		88.9
SA020	222	50	80	4	0.8	0.109	60.3	88.9	38.1	38.1	6	5.1	83		88.9
SA033	334	50	80	5.6	8.0	0.109	60.3	88.9	38.1	38.1	6	5.1	83		88.9
SA033	343	50	100	2.9	0.8	0.109	60.3	114.3	38.1	38.1	6	5.1	95		88.9
SA020	227	50	100	4	8.0	0.109	60.3	114.3	38.1	38.1	6	5.1	95		88.9
SA033	339	50	100	5.6	0.8	0.109	60.3	114.3	38.1	38.1	6	5.1	95		88.9
SA033	350	50	125	2.9	0.8	0.109	60.3	139.7	38.1	38.1	6	5.1	108		88.9
SA020	232	50	125	4	0.8	0.109	60.3	139.7	38.1	38.1	6	5.1	108		88.9
SA033	345	50	125	5.6	0.8	0.109	60.3	139.7	38.1	38.1	6	5.1	108		88.9
SA033	364	50	150	2.9	0.8	0.109	60.3	168.3	38.1	38.1	6	5.1	122		88.9
SA020	238	50	150	4	0.8	0.109	60.3	168.3	38.1	38.1	6	5.1	122		88.9
SA033	356	50	150	5.6	0.8	0.109	60.3	168.3	38.1	38.1	6	5.1	122		88.9
SA033	380	50	200	2.9	0.8	0.109	60.3	219.1	38.1	38.1	6	5.1	148		88.9
SA020	245	50	200	4	0.8	0.109	60.3	219.1	38.1	38.1	6	5.1	148		88.9
SA033	371	50	200	5.6	0.8	0.109	60.3	219.1	38.1	38.1	6	5.1	148		88.9
SA033	396	50	250	2.9	0.8	0.109	60.3	273	38.1	38.1	6	5.1	175		88.9
SA020	253	50	250	4	8.0	0.109	60.3	273	38.1	38.1	6	5.1	175		88.9
SA033	388	50	250	5.6	8.0	0.109	60.3	273	38.1	38.1	6	5.1	175		88.9
SA033	406	50	300	2.9	8.0	0.109	60.3	323.9	38.1	38.1	6	5.1	200		88.9
SA033	315	65	65	2.9	1.02	0.188	76.1	76.1	41.3	41.3	7	6.2	79	61.9	103.19
SA020	052	65	65	7.1	1.13	0.188	76.1	76.1	41.3	41.3	7	6.2	79	61.9	103.19
SA033	336	65	80	2.9	1.1	0.188	76.1	88.9	41.3	41.3	7	6.2	86		103.19
SA020	221	65	80	7.1	1.1	0.188	76.1	88.9	41.3	41.3	7	6.2	86		103.19
SA033	342	65	100	2.9	1.1	0.188	76.1	114.3	41.3	41.3	7	6.2	98		103.19
SA020	226	65	100	7.1	1.1	0.188	76.1	114.3	41.3	41.3	7	6.2	98		103.19
SA033	349	65	125	2.9	1.1	0.188	76.1	139.7	41.3	41.3	7	6.2	111		103.19
SA0202	231	65	125	7.1	1.1	0.188	76.1	139.7	41.3	41.3		6.2	111		103.19
SA033	363	65	150	2.9	1.1	0.188	76.1	168.3	41.3	41.3	7	6.2	125		103.19
SA0202	237	65	150	7.1	1.1	0.188	76.1	168.3	41.3	41.3		6.2	125		103.19
SA033		65	200	2.9	1.1	0.188	76.1	219.1	41.3	41.3		6.2	151		103.19
SA0202		65	200	7.1	1.1	0.188	76.1	219.1	41.3	41.3		6.2	151		103.19
SA033		65	250	2.9	1.1	0.188	76.1	273	41.3	41.3		6.2	178		103.19
SA0202		65	250	7.1	1.18	0.188	76.1	273	41.3	41.3		6.2	178		103.19
SA0334		65	300	2.9	1.1	0.188	76.1	323.9	41.3	41.3		6.2	203		103.19
5000016		65	600	2.9	1.15	.188	76.1	610	41.3	41.3		6.2	346.3		103.19
SA033		80	80	3.2	1.7	0.296	88.9	88.9	47.6	44		3.7	92	77.8	122.24
SA020		80	80	8	1.86	0.296	88.9	88.9	47.6	44		3.7	92	77.8	122.24
SA033		80	100	3.2	1.8	0.296	88.9	114.3	47.6	44		3.7	105		122.24
SA020		80	100	8	1.8	0.296	88.9	114.3	47.6	44		3.7	105		122.24
SA033		80	125	3.2	1.8	0.296	88.9	139.7	47.6	44		3.7	117		122.24
SA0202		80	125	8	1.8	0.296	88.9	139.7	47.6	44		3.7	117		122.24
SA033		80	150	3.2	1.8	0.296	88.9	168.3	47.6	44		3.7	132		122.24
SA0202		80	150	8	1.8	0.296	88.9	168.3	47.6	44		3.7	132		122.24
SA033		80	200	3.2	1.8	0.296	88.9	219.1	47.6	44		3.7	157		122.24
SA0202		80	200	8	1.8	0.296	88.9	219.1	47.6	44		3.7	157		122.24
SA033	<b>3</b> 94	80	250	3.2	1.8	0.296	88.9	273	47.6	44	9	3.7	184		122.24



STANDARD ELEMENTAIRE

ELEMENT STANDARD

Bossage en Acier ASTM A 105-Chanfreine-- Norme : MSS SP97

**BRBOA115BEID50700** 

Rev.G

Page 4 sur 5

Boss-ASTM A 105 Steel-Beveled End--MSS SP97

Référence Objet	DN2 (mm)	DN3 (mm)	TH2 (mm)	Weight (kg)	Water Weight (kg)	Work Diam 2 WD2 (mm)	Work Diam 3 WD3 (mm)	Pipe Length (mm)	F1 TO F2 (mm)	Diam Int1 (DI1) (mm)	End Boss To Center Pipe (EBTOCP) (mm)	D (mm)	B (mm
SA020251	80	250	8	1.86	0.296	88.9	273	47.6	44	93.7	184	(111111)	122.24
SA033404	80	300	3.2	1.8	0.296	88.9	323.9	47.6	44	93.7	210		122.24
5000000791	80	350	3.2	16.3	0.325	88.9	355.6	47.6	44	93.7	184		122.2
5000000792	80	400	3.2	34.01	0.489	88.9	406.4	47.6	44	93.7	251		122.2
5000017010	80	600	3.2	1.8	.296	88.9	610	47.6	44	93.7	352.6		122.2
SA033318	100	100	3.6	3	0.538	114.3	114.3	52.4	52.4	120.7		101.6	152.4
SA020054	100	100	8.8	3.4	0.538	114.3	114.3	52.4	52.4	120.7		101.6	152.4
SA033347	100	125	3.6	2.9	0.538	114.3	139.7	52.4	52.4	120.7		101.0	152.4
SA020229	100	125	8.8	2.9	0.538	114.3	139.7	52.4	52.4	96.7	122		152.4
SA033361	100	150	3.6	2.9	0.538	114.3	168.3	52.4	52.4	120.7			152.4
SA020235	100	150	8.8	2.9	0.538	114.3	168.3	52.4	52.4	120.7			152.4
SA033377	100	200	3.6	2.9	0.538	114.3	219.1	52.4	52.4	120.7			152.4
SA033377	100	200	8.8	2.9	0.538	114.3	219.1	52.4	52.4	120.7			152.4
SA020242 SA033393	100	250	3.6	2.9	0.538	114.3	273	52.4	52.4	120.7			152.4
SA033393 SA020250	100	250	8.8	2.9	0.538	114.3	273	52.4	52.4	120.7			152.4
SA020230 SA033403	100	300	3.6	2.9	0.538	114.3	323.9	52.4	52.4	120.7			152.4
SA033403 SA033319	125	125	3.0	3.9	0.536	139.7	139.7	57.2	57.2	141.9		128.6	179.3
SA033319 SA020055	125	125	10			139.7	139.7	57.2		141.3		128.6	
SA020055 SA033360	125	150	4	4.3	0.877	139.7	168.3	57.2	57.2 57.2	141.3		120.0	179.3 179.3
					0.877								
SA020234	125	150	10	4.7	0.877	139.7	168.3	57.2	57.2	141.3			179.3
SA033376	125	200	4	4.7	0.877	139.7	219.1	57.2	57.2	141.3			179.3
SA020241	125	200	10	4.7	0.877	139.7	219.1	57.2	57.2	141.3			179.3
SA033392	125	250	4	4.7	0.877	139.7	273	57.2	57.2	141.3			179.3
SA020249	125	250	10	6.2	0.877	139.7	273	57.2	57.2	141.3			179.3
SA033402	125	300	4	4.7	0.877	139.7	323.9	57.2	57.2	141.3			179.3
5000017011	125	600	4	4.6	.877	139.7	610	57.2	57.2	141.3			179.3
SA033320	150	150	4.5	6.4	1.342	168.3	168.3	60.3	60.3	169.9		154	215.
SA020056	150	150	11	6.8	1.731	168.3	168.3	77.8	77.8	169.9		154	215.
SA033321	150	150	14.2	10.4	1.731	168.3	168.3	77.8	77.8	169.9		154	215.9
SA033375	150	200	4.5	5.5	1.342	168.3		60.3	60.3	169.9			215.
SA020240	150	200	11	5.5	1.342	168.3	219.1	60.3	60.3	169.9			215.
SA033366	150	200	14.2	5.5	1.342	168.3	219.1	60.3	60.3	169.9			215.
SA033391	150	250	4.5	5.5	1.342	168.3	273	60.3	60.3	169.9			215.
SA020248	150	250	11	7	1.342	168.3	273	60.3	60.3	169.9			215.
SA033383	150	250	14.2	5.5	1.342	168.3	273	60.3	60.3	169.9			215.
SA033401	150	300	4.5	5.5	1.342	168.3	323.9	60.3	60.3	169.9			215.
5000017012	150	600	4.5	7	1.342	168.3	610	60.3	60.3	169.9			215.
SA033322	200	200	6.3	12.7	2.635	219.1	219.1	69.9	69.9	220.7		201.6	263.5
SA020057	200	200	12.5	14.4	3.71	219.1	219.1	98.4	98.4	220.7		193.7	263.5
SA033323	200	200	17.5	21	3.71	219.1	219.1	98.4	98.4	220.7		193.7	263.5
SA033390	200	250	6.3	10.5	2.635	219.1	273	69.9	69.9	220.7			263.5
SA020247	200	250	12.5	10.5	2.635	219.1	273	69.9	69.9	220.7			263.5
SA033382	200	250	17.5	10.5	2.635	219.1	273	69.9	69.9	220.7	206		263.5
SA033400	200	300	6.3	10.5	2.635	219.1	323.9	69.9	69.9	220.7	232		263.5
5000017013	200	600	6.3	12	2.635	219.1	610	69.9	69.9	220.7	374.9		263.5
SA033324	250	250	6.3	17.7	4.554	273	273	77.8	77.8	274.6	214	254	322.2
SA020058	250	250	14.2	20.9	5.203	273	273	88.9	88.9	265.1	225	247.6	322.2
SA033325	250	250	22.2	25.4	5.203	273	273	88.9	88.9	265.1	225	247.6	322.2

|--|

Bossage en Acier ASTM A 105-Chanfreine-- Norme : MSS SP97

**BRBOA115BEID50700** Rev.G

STANDARD ELEMENTAIRE

ELEMENT STANDARD

Boss-ASTM A 105 Steel-Beveled End--MSS SP97

Page 5 sur 5

Référence Objet	DN2 (mm)	DN3 (mm)	TH2 (mm)	Weight (kg)	Water Weight (kg)	Work Diam 2 WD2 (mm)	Work Diam 3 WD3 (mm)	Pipe Length (mm)	F1 TO F2 (mm)	Dia Int (DI (mi	1 1)	End Boss To Center Pipe (EBTOCP) (mm)	D (mm)	B (mm)
SA033399	250	300	6.3	16.4	4.554	273	323.9	77.8	77.8	274	.6	240		322.26
SA036221	250	350	6.3	16.4	4.554	273	355.6	77.8	77.8	274	.6	256		322.26
SA033326	300	300	7.1	29.5	7.062	323.9	323.9	85.7	85.7	325	.4	248	304.8	377.83
5000017059	300	600	7.1	29.5	7.062	323.9	610	85.7	85.7	325	.4	390.7		377.83
SA036220	350	350	8	31.8	8.829	355.6	355.6	88.9	88.9	357	.2	267	336.6	409.58
5000017014	350	600	8	29.9	8.829	355.6	610	88.9	88.9	357	.2	393.9		409.58
5000017015	500	600	9.5	53.5	15	508	610	101.6	101.6	51	0	406.6		571.5
5000017016	600	600	9.5	99.7	20	610	610	115.8	115.8	61	1	420.8		688.98

Rév. G: (L.ANDRE le 8/07/2020) mise en conformité les cotes des DN32 et DN80 AE0000284150-STD