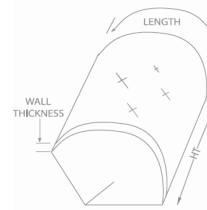


GF Converter Segments

Morgan Converter segments offer an economic alternative consumable for foundries converting cast iron to ductile iron using the George Fischer process. Produced in clay graphite under quality controlled conditions, Morgan converter segments are manufactured in a range of sizes to suit customers' requirements.

Application

The segments are placed in bottom of the George Fischer converter vessel to form a chamber into which magnesium is placed from outside the vessel. When the vessel is rotated, the molten iron is introduced into the chamber in a controlled manner through holes in the segment plate. The magnesium is then vaporised by the iron and de-sulphurises and nodularises the cast iron, producing ductile cast iron.



Clay Graphite segment in position in converter

Advantages:

- Consistent performance and zero failures reported in last 8 years
- Low erosion due to high product density, offering longer product life. Some of our customers reuse the product after 200 plus cycles by careful removal of slag.
- Resistant to iron and slag adhesion - stays cleaner
- High thermal shock resistance



Red Diamond Alpha G.F. Converter Segment

Model No.	Length (mm)	Height (mm)	Wall Thickness (mm)	Capacity (tonnes)
SEGMENT 421	658	840	65	3
SEGMENT 422	720	830	50	2.2
SEGMENT 432	901	1020	70	4 & 5
SEGMENT 434	820	695	65	2.5
SEGMENT 464	815	710	75	2.2
SEGMENT 464.1	815	710	60	2.8

Red Diamond Sigma Isostatic Press G.F. Converter Segment

Model No.	Length (mm)	Height (mm)	Wall Thickness (mm)	Capacity (tonnes)
SEGMENT-ISO-434	820	695	55	2.5
SEGMENT-ISO-432	901	1020	60	4 & 5

Segment Plate(chamber Plate)

Type Size	Thickness (mm)	Dia (mm)	Capacity (tonnes)
SEGMENT PLATE-484	55	440	2.5

These products perform best at temperatures below 1600°C

All dimensions are subject to normal manufacturing tolerances. Morgan reserves the right to change specifications at any time

Fall Chute Liners

Morgan liners are moulded in rigid forms in order to ensure dimensional repeatability and product consistency. The liners offers excellent service life due to superior erosion resistance in the critical areas where the metal contacts the liner and changes direction. High erosion at this point otherwise leads to excessive turbulence in the flow of molten metal and, in turn, increases the likelihood of quality issues in the finished pipe.

Application

The fall chute liners are used in centrifugal pipe casting foundries to transfers molten metal from the ladle or furnace into the spinning pipe mould.

Features:

- Non-wetting clay graphite material
- Accurate dimensional stability
- Many different sizes and configurations available
- Suitable for temperatures up to 1600°C

Advantages:

- Consistent performance
- Low erosion – longer life
- Resistant to iron and slag adhesion - stays cleaner
- Very high thermal shock resistance
- Easily repaired with Morgan Morcem 900 cement
- Easy to install - one piece design



Fall Chute Liner Sizes

Model No.	Fall Chute size	A	B	C	D	E	F	G	H	I	T1	T2
Liner 335	DN80-200	579	700	908	310	355	117	110	110	116	25	39
Liner 356	DN250-400	640	1010	1196	356	356	142	130	110	110	23	35
Liner 360	DN350-750	552	1058	1191	360	300	142	155	95	142	25/16	30
Liner 395	DN350-750	567	978	1130	396	330	100	131	7	100	18	25
Liner 400	DN350-750	567	1078	1218	396	330	100	131	7	100	18	25
Liner 459	DN 100-200	500	1077	1200	260	240	170	120	93	110	25	25
Liner 462	DN-250-300	475	1160	1253	290	270	170	100	90	110	25	35
Liner 465	DN250-400	675	1040	1240	302	156	179	120	110	122	25	42-38
Liner 470	DN 250-600	555	1068	1100	343	140	279	140	127	160	32	50
Liner 300	DN350-750	580	942	1106	300	240	150	140	80	120	25	30
Liner 380	DN350-750	800	1150	1401	380	290	115	200	110	150	25	35
Liner 150	DN 100-200	595	1055	1211	360	280	150	155	75	150	15	28
Liner 480	DN-250-300	575	1111	1251	480	420	145	140	80	145	25	30
Liner 475	DN250-400	395	1125	1192	136	124	100	128	116	100	20	44
Liner 465.2	DN 250-600	655	1069	1277	302	156	179	120	110	122	25	38
Liner 350	-	585	909	1081	350	250	157	148	48	125	25	35

These products perform best at temperatures below 1600°C

All dimensions are subject to normal manufacturing tolerances. Morgan reserves the right to change specifications at any time