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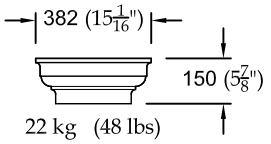
TUSCAN COLUMNS

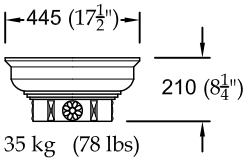
CAPITAL OPTIONS
(Interchangeable)

M400M TUSCAN



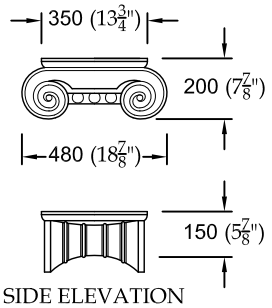
22 kg (48 lbs)

M400K DORIC



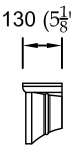
35 kg (78 lbs)

M400L IONIC



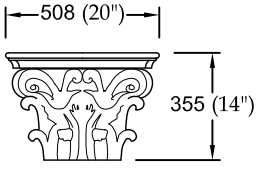
SIDE ELEVATION
36 kg (79 lbs)

M450L
IONIC PILASTER



(M4 ONLY)
SIDE ELEVATION
18 kg (40 lbs)

M200J CORINTHIAN

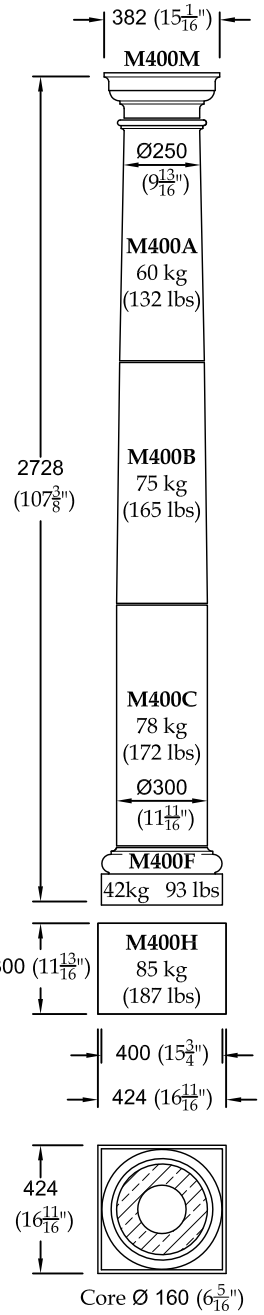


48 kg (107 lbs)

M250J
CORINTHIAN PILASTER

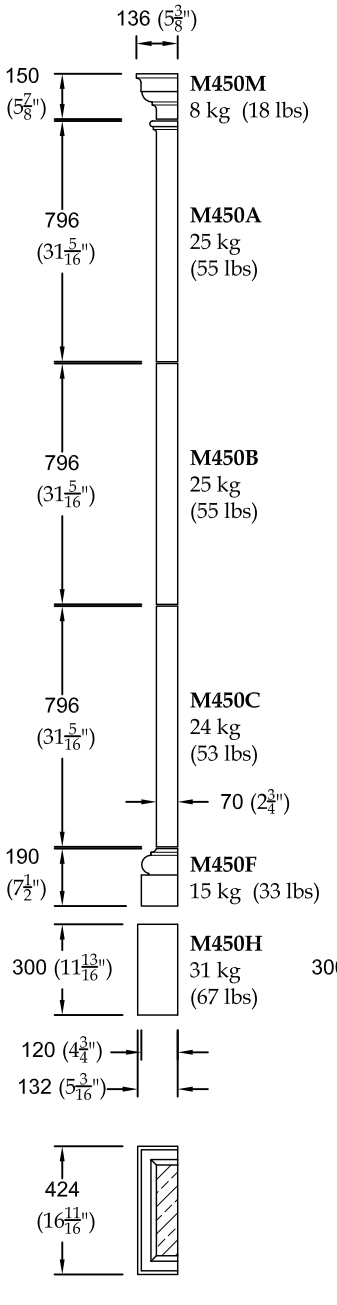
(M4 ONLY)
SIDE ELEVATION
27 kg (55 lbs)

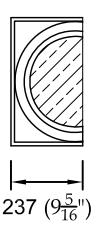
TUSCAN COLUMN M4



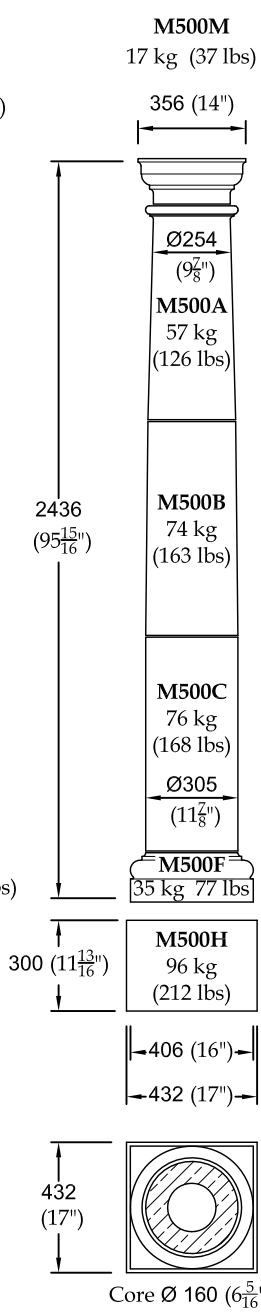
Core Ø 160 (6 5/16")

TUSCAN PILASTER M4



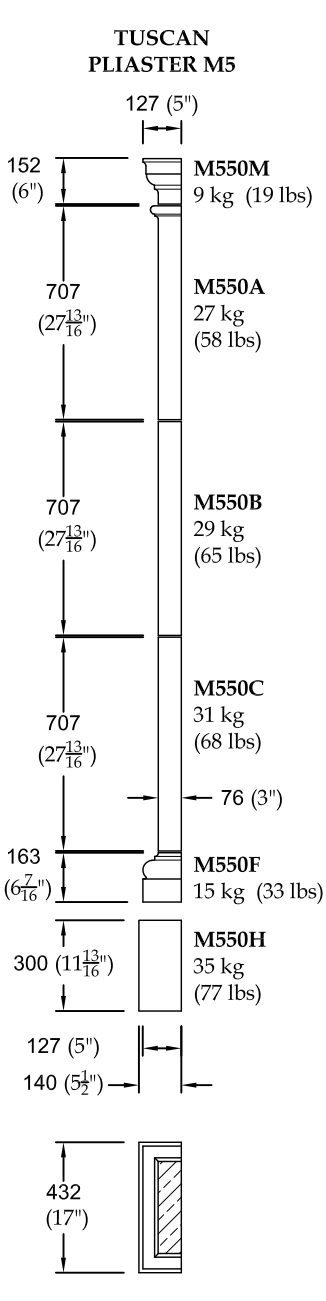


TUSCAN COLUMN M5



Core Ø 160 (6 5/16")

TUSCAN PLIASTER M5



M4 HALF COLUMN COMPONENT LISTING:

M470M	Capital	15 kg	(33 lbs)
M470A/B/C	Shaft	180 kg	(396 lbs)
M470F	Base & Plinth	28 kg	(62 lbs)
M470H	Pedestal	54 kg	(119 lbs)

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (1/4") for vertical and bedding joints

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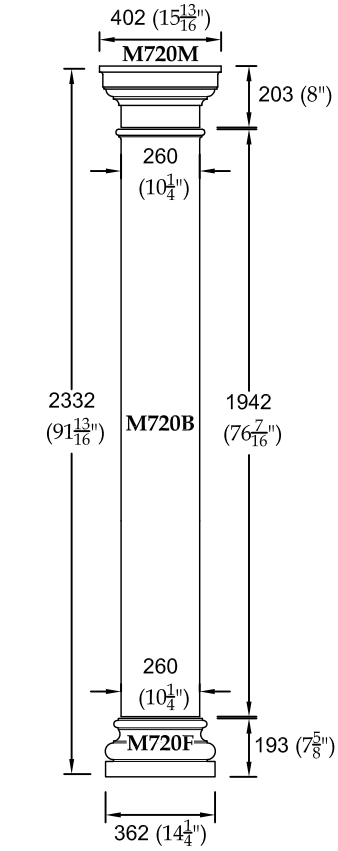
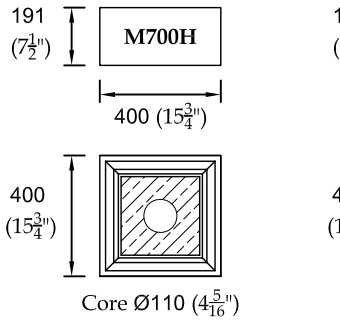
TUSCAN COLUMNS

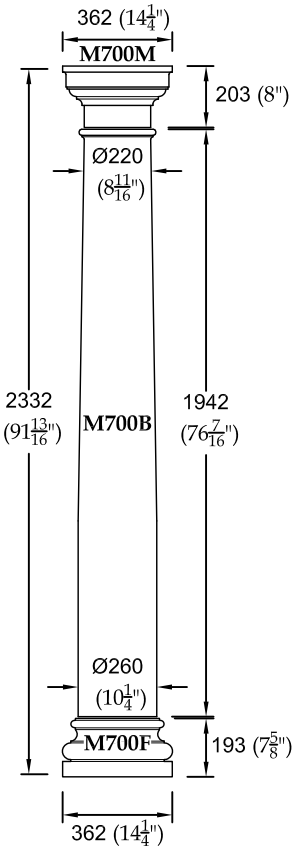
TUSCAN COLUMN SQUARE M7

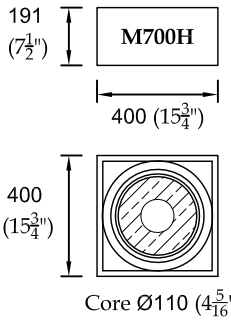




Core Ø110 (4 5/16")

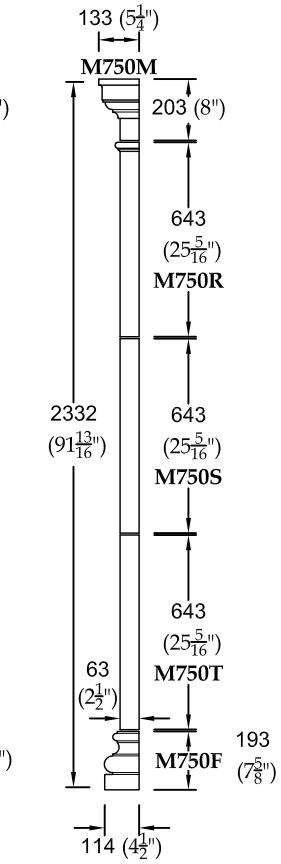
TUSCAN COLUMN M7 LONG SHAFT

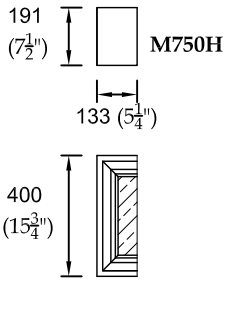


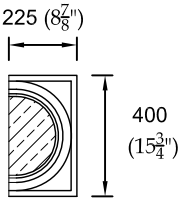


Core Ø110 (4 5/16")

TUSCAN PILASTER M7 LONG SHAFT







HALF COLUMN PLAN

COMPONENT LISTING:

TUSCAN COLUMN SQUARE M7

Capital	**M720M**	40 kg	(88 lbs)
Shaft	**M720B**	224 kg	(494 lbs)
Base	**M720F**	36 kg	(79 lbs)
Pedestal	**M700H**	52 kg	(115 lbs)

TUSCAN COLUMN M7 LONG SHAFT

Capital	**M700M**	24 kg	(53 lbs)
Shaft	**M700B**	153 kg	(337 lbs)
Base	**M700F**	29 kg	(64 lbs)
Pedestal	**M700H**	52 kg	(115 lbs)

TUSCAN HALF COLUMN M7 LONG SHAFT

Capital	**M770M**	19 kg	(42 lbs)
Shaft	**M770B**	107 kg	(236 lbs)
Base	**M770F**	21 kg	(46 lbs)
Pedestal	**M770H**	34 kg	(75 lbs)

TUSCAN PILASTER M7 LONG SHAFT

Capital	**M750M**	11 kg	(24 lbs)
Shaft	**M750R**	18 kg	(40 lbs)
Shaft	**M750S**	19 kg	(42 lbs)
Shaft	**M750T**	21 kg	(46 lbs)
Base	**M750F**	12 kg	(26 lbs)
Pedestal	**M750H**	20 kg	(44 lbs)

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (1/4") for vertical and bedding joints

 Do not scale

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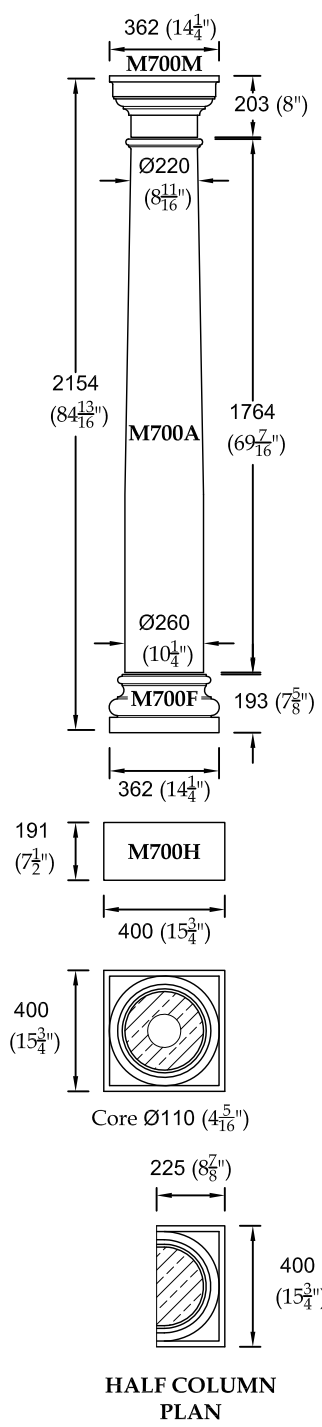
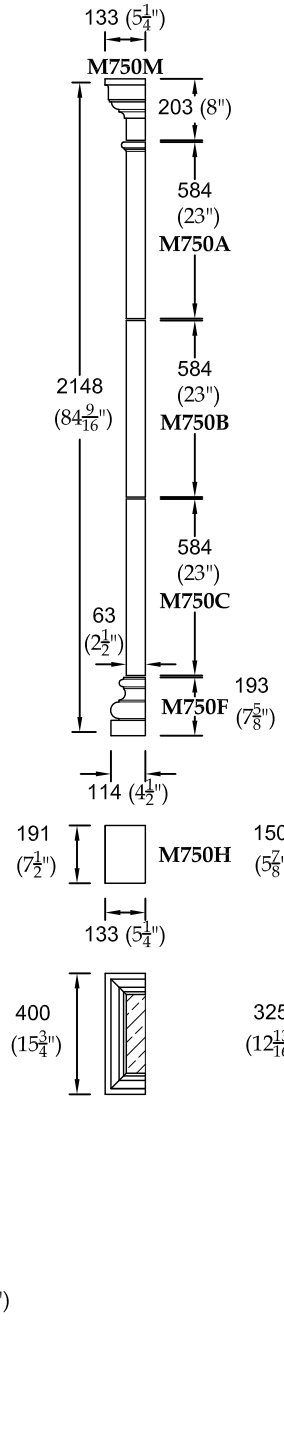
TUSCAN COLUMNS

TUSCAN COLUMN M7 SHORT SHAFT

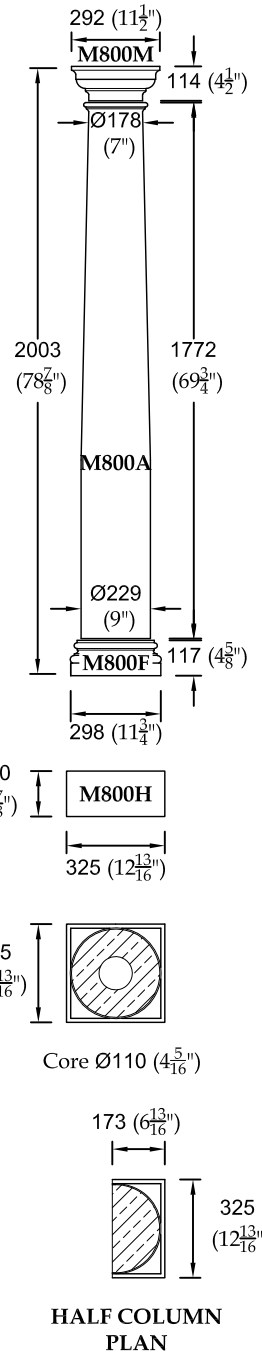


HALF COLUMN PLAN

TUSCAN PILASTER M7 SHORT SHAFT

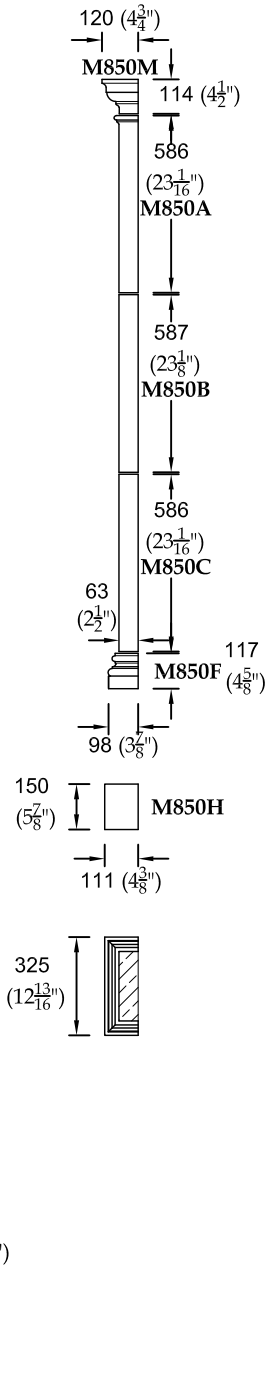


TUSCAN COLUMN M8



HALF COLUMN PLAN

TUSCAN PILASTER M8



COMPONENT LISTING:

TUSCAN COLUMN M7 SHORT SHAFT

Capital	**M700M**	24 kg	(53 lbs)
Shaft	**M700A**	142 kg	(313 lbs)
Base	**M700F**	29 kg	(64 lbs)
Pedestal	**M700H**	52 kg	(115 lbs)

TUSCAN HALF COLUMN M7 SHORT SHAFT

Capital	**M770M**	19 kg	(42 lbs)
Shaft	**M770A**	101 kg	(223 lbs)
Base	**M770F**	21 kg	(46 lbs)
Pedestal	**M770H**	34 kg	(75 lbs)

TUSCAN PILASTER M7 SHORT SHAFT

Capital	**M750M**	11 kg	(24 lbs)
Shaft	**M750A**	16 kg	(35 lbs)
Shaft	**M750B**	17 kg	(37 lbs)
Shaft	**M750C**	19 kg	(42 lbs)
Base	**M750F**	12 kg	(26 lbs)
Pedestal	**M750H**	20 kg	(44 lbs)

TUSCAN COLUMN M8

Capital	**M800M**	9 kg	(20 lbs)
Shaft	**M800A**	86 kg	(190 lbs)
Base	**M800F**	14 kg	(31 lbs)
Pedestal	**M800H**	27 kg	(59 lbs)

TUSCAN HALF COLUMN M8

Capital	**M870M**	6 kg	(13 lbs)
Shaft	**M870A**	56 kg	(123 lbs)
Base	**M870F**	9 kg	(20 lbs)
Pedestal	**M870H**	18 kg	(40 lbs)

TUSCAN PILASTER M8

Capital	**M850M**	4 kg	(9 lbs)
Shaft	**M850A**	14 kg	(31 lbs)
Shaft	**M850B**	16 kg	(35 lbs)
Shaft	**M850C**	17 kg	(37 lbs)
Base	**M850F**	7 kg	(15 lbs)
Pedestal	**M850H**	11 kg	(24 lbs)

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (¼") for vertical and bedding joints

 Do not scale

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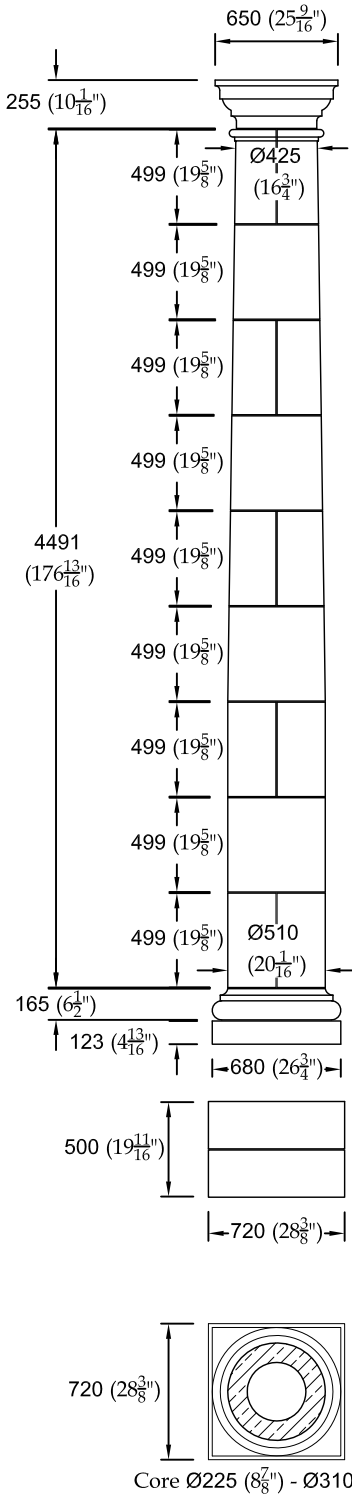
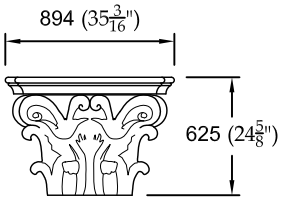
TUSCAN COLUMN M3



M300M 97 kg (214 lbs)
M300A 52 kg (115 lbs)
M301A 54 kg (119 lbs)
M300B 53 kg (117 lbs)
M301B 55 kg (121 lbs)
M300C 54 kg (119 lbs)
M301C 56 kg (123 lbs)
M300D 55 kg (121 lbs)
M301D 57 kg (126 lbs)
M300E 55 kg (121 lbs)
M301E 57 kg (126 lbs)
M300U 56 kg (123 lbs)
M301U 58 kg (128 lbs)
M300V 57 kg (126 lbs)
M301V 59 kg (130 lbs)
M300V 57 kg (126 lbs)
M301V 59 kg (130 lbs)
M300V 57 kg (126 lbs)
M301V 59 kg (130 lbs)
M300F 105 kg (231 lbs)
M300G 86 kg (190 lbs)
M300H 199 kg (439 lbs)
M300H 199 kg (439 lbs)

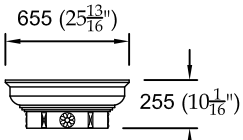
CAPITAL OPTIONS
(Interchangeable)

M300J CORINTHIAN



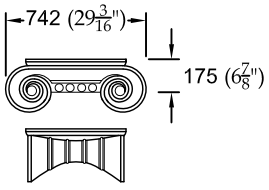
240 kg (529 lbs)

M300K DORIC

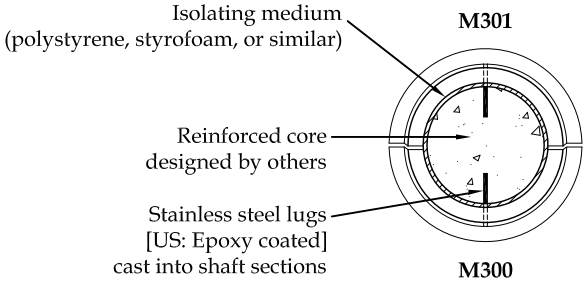


97 kg (214 lbs)

M300L IONIC



150 kg (331 lbs)



CAPITAL
Tuscan capital supplied as one piece

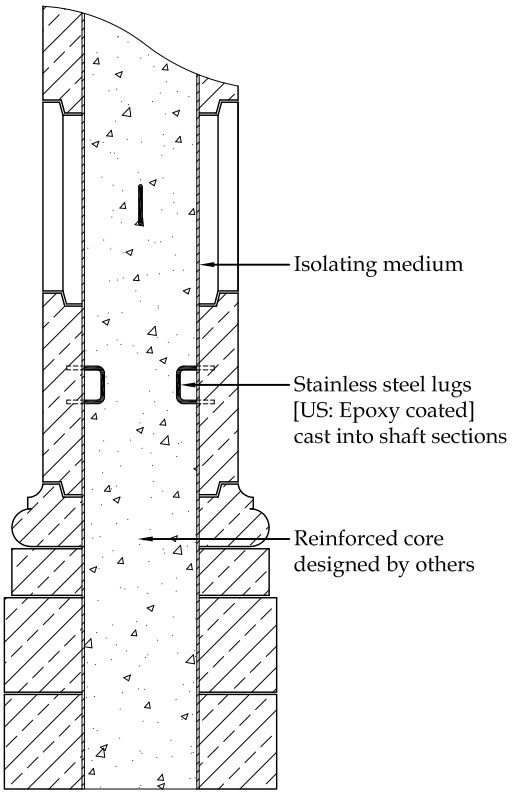
SHAFT
The shaft is supplied in 9 drum sections, with each drum section supplied in two halves, with a vertical joint

BASE
Supplied as one piece

PLINTH
Supplied as one piece

PEDESTAL (if required)
Supplied as standard in two pieces with horizontal joint

ASSEMBLY RECOMMENDATIONS:
Refer to tech Sheet CAD1 for general column assembly recommendations.
Prior to concrete in-filling the vertical and horizontal joints between shaft sections must be sealed to prevent grout loss through the joints during infilling.
It is important that the halves of each drum section are securely clamped together to prevent movement during concrete infilling.



SECTION
(Not to scale)
Foundations, concrete and steel reinforcement to be designed by others to suit site conditions and loadings.

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (1/4") for vertical and bedding joints
Unless otherwise stated, all materials other than stonework to be supplied by others

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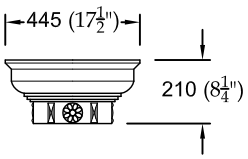
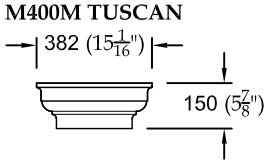
CORINTHIAN COLUMN M2

CAPITAL OPTIONS:
(Interchangeable)

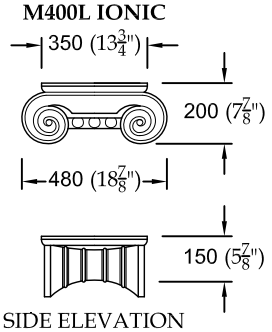
M400K DORIC



M400M TUSCAN

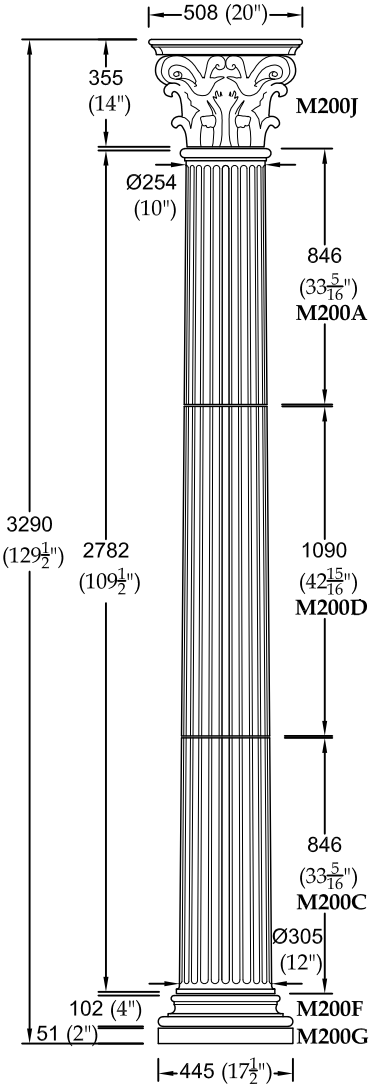


M400L IONIC

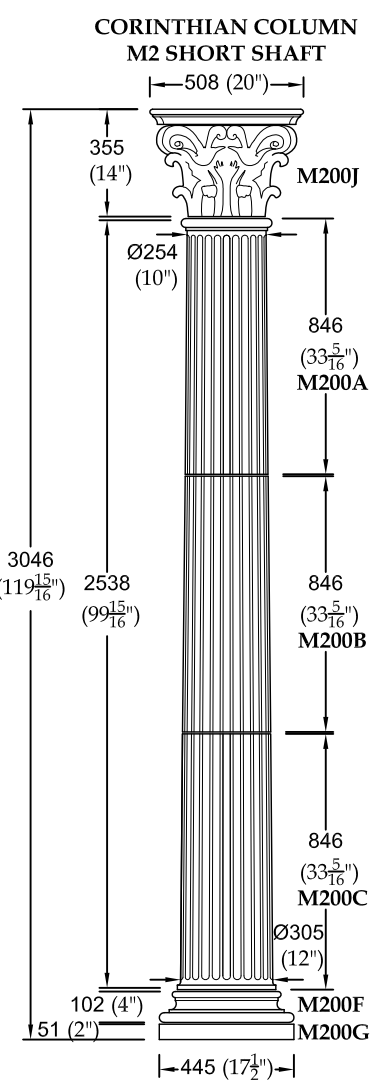


SIDE ELEVATION

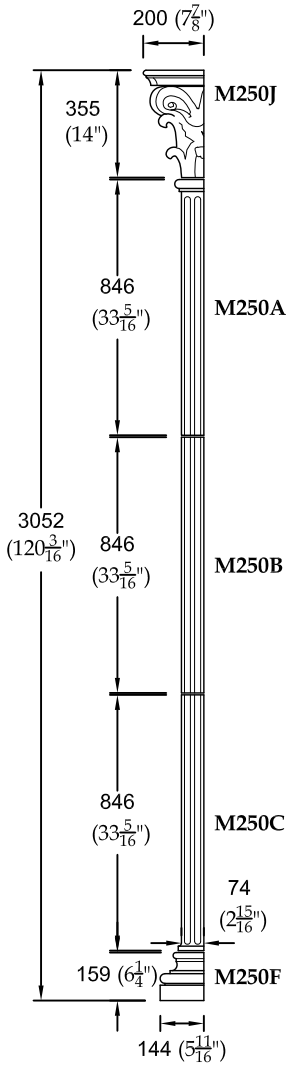
CORINTHIAN COLUMN M2 LONG SHAFT

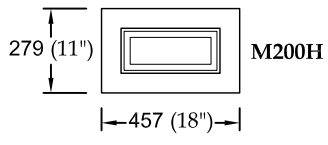


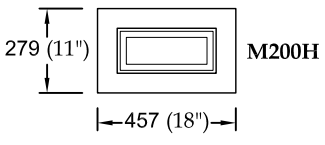
CORINTHIAN COLUMN M2 SHORT SHAFT

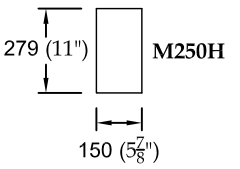


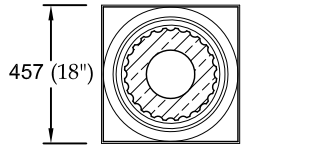
PILASTER M2
(shaft has no diminution)



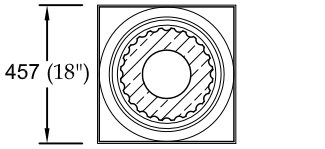




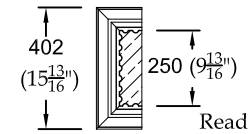




Core Ø160 (6 5/16")



Core Ø160 (6 5/16")



COMPONENT LISTING:

CORINTHIAN COLUMN M2 LONG SHAFT

Shaft	**M200A**	61 kg	(134 lbs)
Shaft	**M200D**	92 kg	(203 lbs)
Shaft	**M200C**	68 kg	(150 lbs)
Base	**M200F**	18 kg	(40 lbs)
Plinth	**M200G**	18 kg	(40 lbs)
Pedestal	**M200H**	91 kg	(201 lbs)

CORINTHIAN COLUMN M2 SHORT SHAFT

Shaft	**M200A**	61 kg	(134 lbs)
Shaft	**M200B**	64 kg	(141 lbs)
Shaft	**M200C**	68 kg	(150 lbs)
Base	**M200F**	18 kg	(40 lbs)
Plinth	**M200G**	18 kg	(40 lbs)
Pedestal	**M200H**	91 kg	(201 lbs)

CAPITAL OPTIONS (Interchangeable)

Corinthian	**M200J**	48 kg	(106 lbs)
Doric	**M400K**	34 kg	(75 lbs)
Tuscan	**M400M**	21 kg	(46 lbs)
Ionic	**M400L**	36 kg	(79 lbs)

PILASTER M2

Capital	**M250J**	25 kg	(55 lbs)
Shaft	**M250A**	31 kg	(68 lbs)
Shaft	**M250B**	30 kg	(66 lbs)
Shaft	**M250C**	31 kg	(68 lbs)
Base	**M250F**	16 kg	(35 lbs)
Pedestal	**M250H**	36 kg	(79 lbs)

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (¼") for vertical and bedding joints

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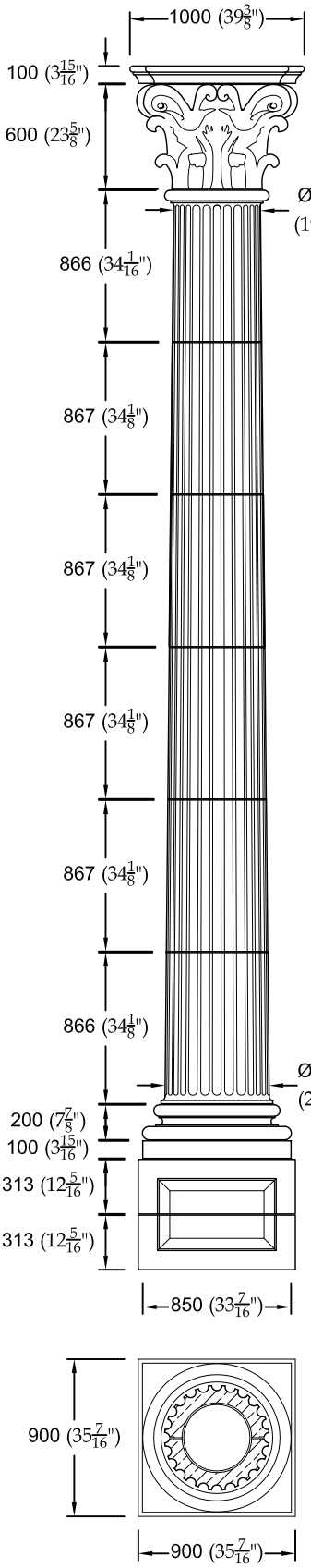
CORINTHIAN COLUMN M1



Core Ø300 (11 13/16") - Ø400 (15 3/4")

M100N 89 kg (196 lbs)

M100J 95 kg (209 lbs)
M101J 101 kg (223 lbs)

M100A 100 kg (220 lbs)
M101A 110 kg (243 lbs)

M100B 100 kg (220 lbs)
M101B 110 kg (243 lbs)

M100C 100 kg (220 lbs)
M101C 110 kg (243 lbs)

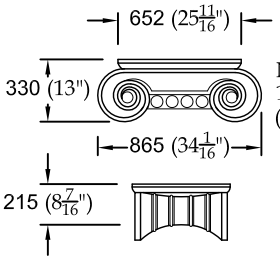
M100D 100 kg (220 lbs)
M101D 110 kg (243 lbs)

M100E 100 kg (220 lbs)
M101E 110 kg (243 lbs)

M100U 100 kg (220 lbs)
M101U 110 kg (243 lbs)

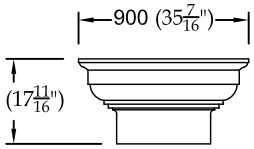
M100F 86 kg (190 lbs)
M100G 115 kg (254 lbs)
M100H 152 kg (335 lbs)
M100H 152 kg (335 lbs)

IONIC



M100L 160 kg (353 lbs)

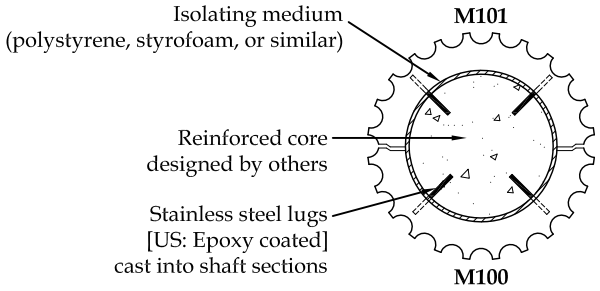
DORIC

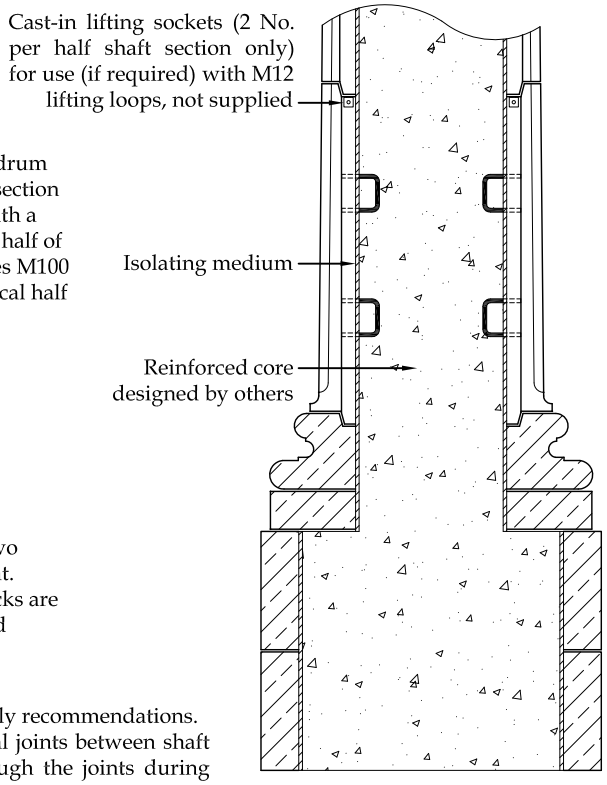


M100P 106 kg (234 lbs)
M100K 212 kg (467 lbs)

CAPITAL OPTIONS

Ionic - supplied as one piece
Doric - supplied as two pieces (abacus and capital)
Corinthian - supplied as three pieces (abacus and two piece capital with vertical joint)





SECTION
(Not to scale)
Foundations, concrete and steel reinforcement to be designed by others to suit site conditions and loadings

SHAFT
The shaft is supplied in 6 drum sections, with each drum section supplied in two halves, with a vertical joint. One vertical half of the column shaft comprises M100 stones with the other vertical half comprising M101 stones

BASE
Supplied as one piece

PLINTH
Supplied as one piece

PEDESTAL (if required)
Supplied as standard in two pieces with horizontal joint. Intermediate pedestal blocks are also available as illustrated

ASSEMBLY RECOMMENDATIONS:
Refer to tech Sheet CAD1 for general column assembly recommendations.
Prior to concrete in-filling the vertical and horizontal joints between shaft sections must be sealed to prevent grout loss through the joints during infilling.
It is important that the halves of each drum section are securely clamped together to prevent movement during concrete infilling.
As with the column shaft sections the capital should be lined with an isolating medium, and the Corinthian capital clamped together with all joints made grout tight prior to concreting.

All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (1/4") for vertical and bedding joints
Unless otherwise stated, all materials other than stonework to be supplied by others

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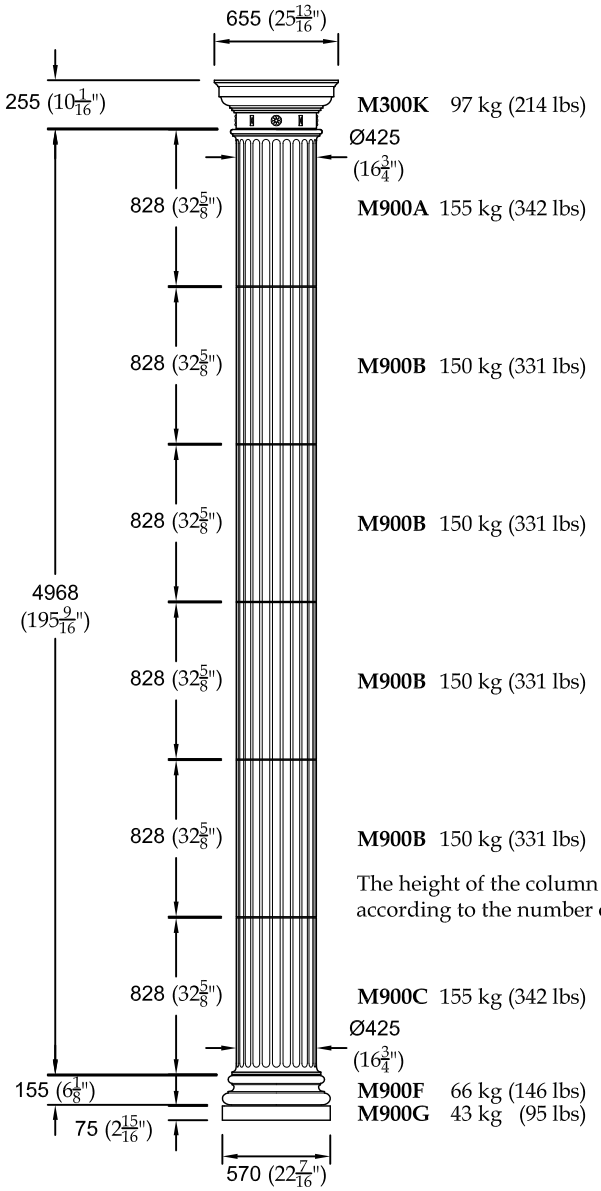
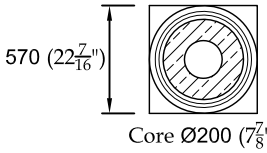
COLUMN M9

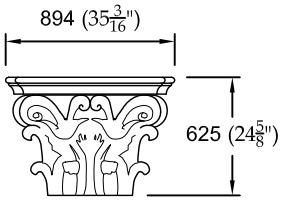


The height of the column can be varied according to the number of M900B units used



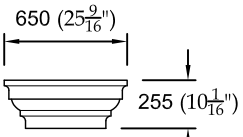
CAPITAL OPTIONS
(Interchangeable)

M300J CORINTHIAN



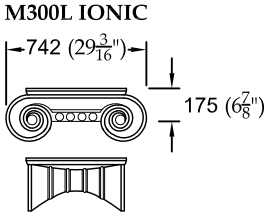
240 kg (529 lbs)

M300M TUSCAN

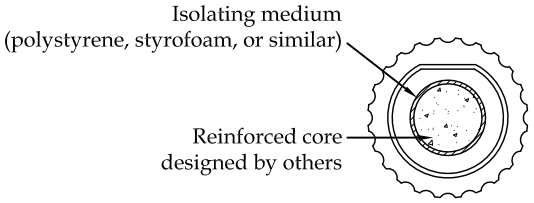


97 kg (214 lbs)

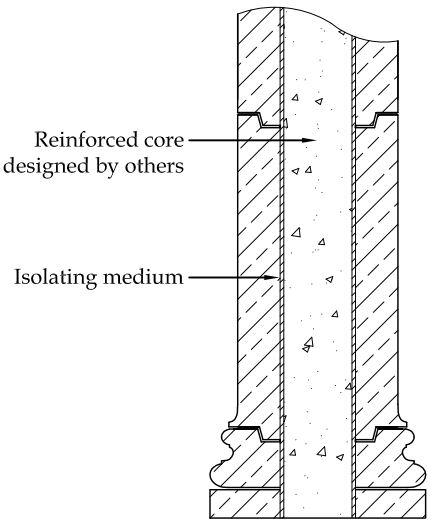
M300L IONIC



150 kg (331 lbs)



M900B



SECTION
(Not to scale)

Foundations, concrete and steel reinforcement to be designed by others to suit site conditions and loadings

ASSEMBLY RECOMMENDATIONS:
Refer to tech Sheet CAD1 for general column assembly recommendations.
Prior to concrete infilling the horizontal joints between shaft sections must be sealed to prevent grout loss through the joints during infilling.

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 6mm (1/4") for vertical and bedding joints

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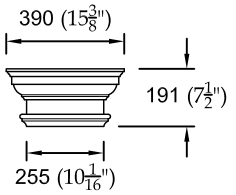
COLUMN M6 (TECSTONE)

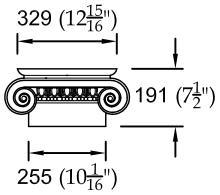
GIBBS RANGE

CAPITAL OPTIONS: (Interchangeable)

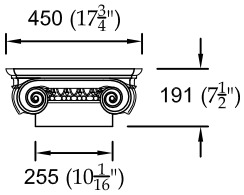
HM400K DORIC



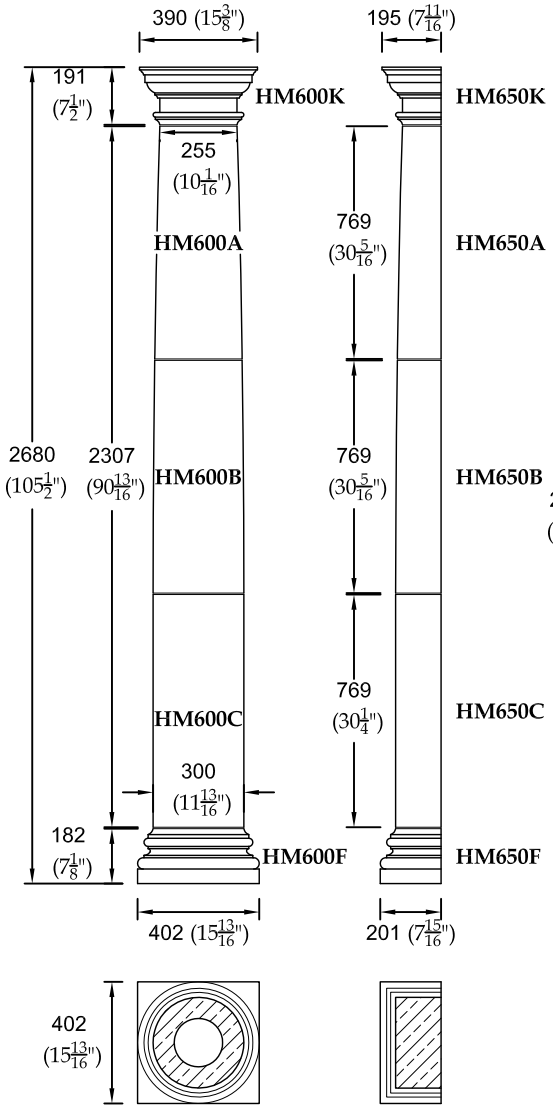
HM600L IONIC I (parallel sided)



HM600X IONIC II (four sided)



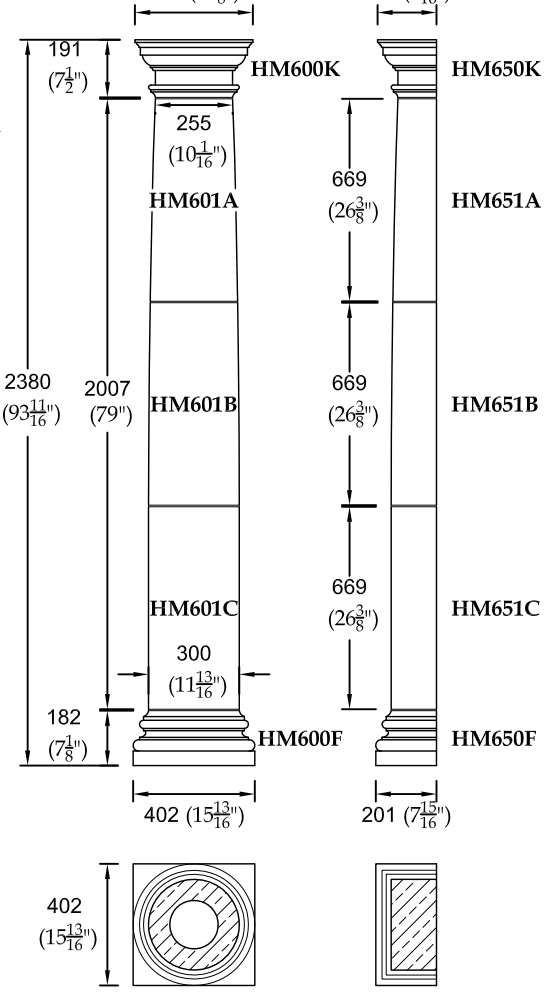
COLUMN M6 LONG SHAFT



PILASTER M6 LONG SHAFT

Core Ø160 (6 5/16")
(also available solid)

COLUMN M6 SHORT SHAFT



PILASTER M6 SHORT SHAFT

Core Ø160 (6 5/16")
(also available solid)

COMPONENT LISTING:

M6 LONG SHAFT HOLLOW

Shaft	**HM600AH**	75 kg	(165 lbs)
Shaft	**HM600BH**	75 kg	(165 lbs)
Shaft	**HM600CH**	75 kg	(165 lbs)
Base	**HM600FH**	46 kg	(101 lbs)

M6 LONG SHAFT SOLID

Shaft	**HM600AS**	78 kg	(172 lbs)
Shaft	**HM600BS**	78 kg	(172 lbs)
Shaft	**HM600CS**	78 kg	(172 lbs)
Base	**HM600FS**	48 kg	(106 lbs)

M6 LONG SHAFT PILASTER

Shaft	**HM650AS**	39 kg	(86 lbs)
Shaft	**HM650BS**	39 kg	(86 lbs)
Shaft	**HM650CS**	39 kg	(86 lbs)
Base	**HM650FS**	24 kg	(53 lbs)

M6 SHORT SHAFT HOLLOW

Shaft	**HM601AH**	71 kg	(157 lbs)
Shaft	**HM601BH**	71 kg	(157 lbs)
Shaft	**HM601CH**	71 kg	(157 lbs)
Base	**HM600FH**	46 kg	(101 lbs)

M6 SHORT SHAFT SOLID

Shaft	**HM601AS**	73 kg	(161 lbs)
Shaft	**HM601BS**	73 kg	(161 lbs)
Shaft	**HM601CS**	73 kg	(161 lbs)
Base	**HM600FS**	48 kg	(106 lbs)

M6 SHORT SHAFT PILASTER

Shaft	**HM651AS**	37 kg	(82 lbs)
Shaft	**HM651BS**	37 kg	(82 lbs)
Shaft	**HM651CS**	37 kg	(82 lbs)
Base	**HM650FS**	24 kg	(53 lbs)

HOLLOW CAPITAL OPTIONS (Interchangeable)

Doric	**HM600KH**	33 kg	(73 lbs)
Ionic I	**HM600LH**	36 kg	(79 lbs)
Ionic II	**HM600XH**	36 kg	(79 lbs)

SOLID CAPITAL OPTIONS (Interchangeable)

Doric	**HM600KS**	35 kg	(77 lbs)
Ionic I	**HM600LS**	38 kg	(84 lbs)
Ionic II	**HM600XS**	38 kg	(84 lbs)

PILASTER CAPITAL OPTIONS (Interchangeable)

Doric	**HM650KS**	18 kg	(40 lbs)
Ionic I	**HM650LS**	19 kg	(42 lbs)
Ionic II	**HM650XS**	19 kg	(42 lbs)

Read in conjunction with Tech Sheet CAD1
All weights are approximate and should be used as a guideline only
All dimensions exclude joints - allow 5mm (3/16") for vertical and bedding joints

 Do not scale

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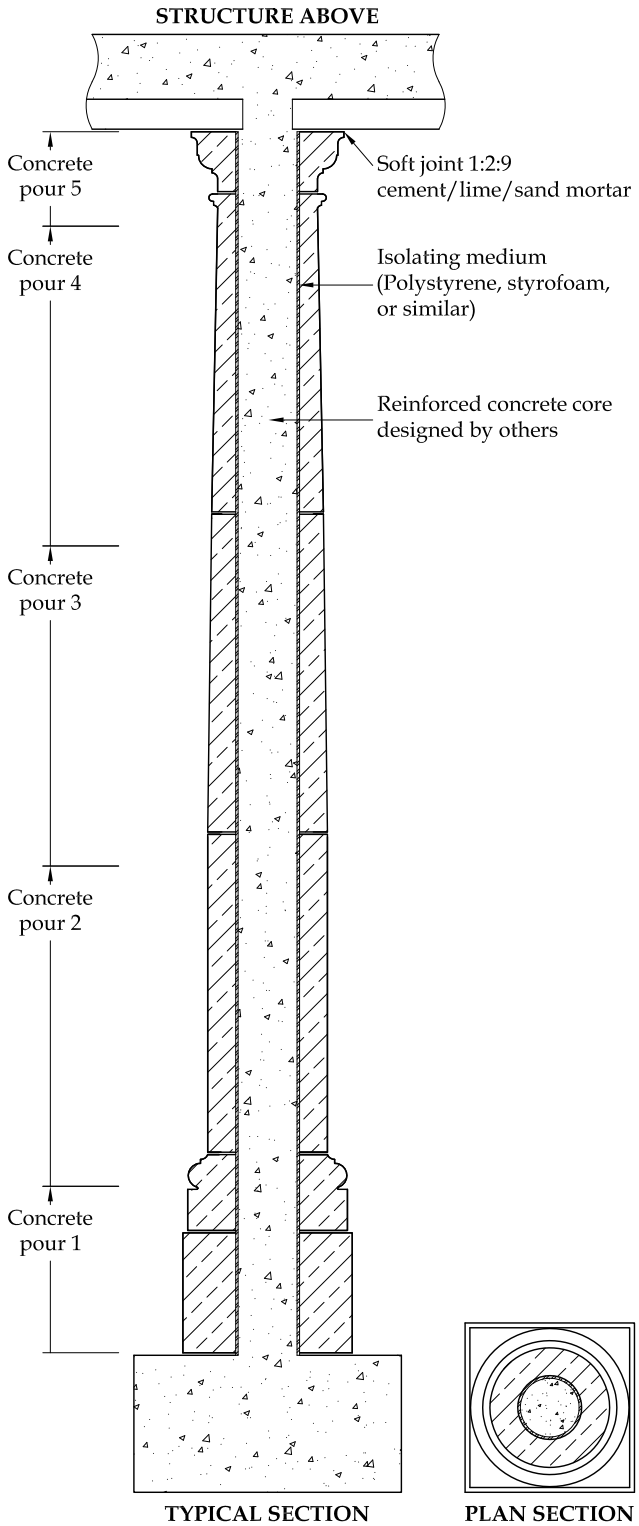
COLUMN ASSEMBLY DETAIL
(M4 COLUMN ILLUSTRATED)



Each Haddonstone column is supplied as a non-structural decorative cladding with a hollow central core. For structural use the hollow core can be used to accommodate a reinforced concrete, or structural steel, member. The column is supplied in component form: i.e. capital, shaft, base, plinth and pedestal. Depending on the column type, each column shaft is supplied in either one piece (M7, M8), multiple drum sections (M2, M4, M5, M9) or multiple half drum sections (M1, M3). Generally the other column components are one piece except where detailed on the relevant Tech Sheets.

Please note M1, M2, M3 and M9 columns have spigot and socket joints in shaft sections.

FOUNDATIONS
A column should be erected on a suitable foundation, designed to suit loadings and ground conditions. We strongly recommend that professional advice is taken to ensure that any proposal meets building regulations and is designed to be structurally sound.

BEDDING AND JOINTING
All components should be bedded and jointed using 1:1:6 cement/lime/sand mortar or similar. Joints should be approximately 6mm ($\frac{1}{4}$") wide to allow for any irregularities in the mating surfaces, and to provide for a full bedding and pointing joint. The jointing mortar should be left slightly recessed from the surface of the stonework or subsequently raked out, leaving a rebated joint. Pointing should be carried out using Haddonstone's colour-matched dry mix in accordance with the instructions printed on bags. Alternatively use the bedding mix , colour matched to suit, in which case white cement may be necessary. The joint between the capital stonework and the structure above should be formed using a compressible filler or a weak mortar mix, to form a soft joint and ensure that any load is carried by the central structural core and not by the reconstructed stonework.

INFILLING TECHNIQUES
It is important that the hollow core of each column section is lined with polystyrene, styrofoam, or similar (not supplied), to act as an isolating medium when column cores are infilled with concrete. This will accommodate any possible differential movement between the stonework and the concrete core. The isolating material, when inserted, should make continuous contact with the inner core surface. Care should be taken to ensure sufficient overlap of material at both vertical and horizontal joints.

Concrete used to infill the cores should ideally have a rounded gravel aggregate of 10mm ($\frac{3}{8}$") maximum size. The concrete should be of medium to high workability to assist core filling whilst minimising the effort required during hand compaction. The use of proprietary concrete plasticising admixtures can assist this operation. All columns with shaft drum sections should be concreted one section at a time. Subsequent concrete pours should only take place after the concrete in the proceeding section has reached it's initial set. If the column is used to sleeve a structural steel member, the resultant void between the stone and steelwork can be left as a void or grouted up. If grouting up is carried out an isolating medium must be incorporated adjacent to the stonework.

FREESTANDING OR TIMBER PERGOLA COLUMNS
The top of the capital will need to be waterproofed, as a minimum, with bituminous paint (applied strictly in accordance with manufacturers instructions) to approximately 25mm (1") from the edge of the stone.

Foundations, concrete and steel reinforcement to be designed by others to suit site conditions and loadings

Allow 6mm ($\frac{1}{4}$") for vertical and bedding joints
Unless otherwise stated, all materials other than stonework to be supplied by others

A: Revised Feb 2015

HADDONSTONE

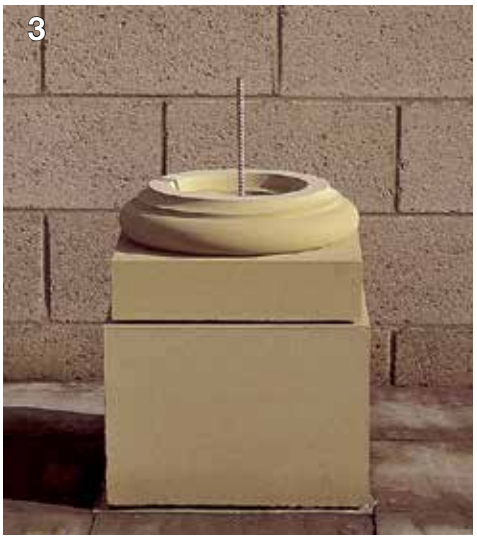
COLUMN ASSEMBLY RECOMMENDATIONS

To be read in conjunction with Tech Sheet CAD1/TS, appropriate column Tech Sheet and Pointing Recommendations.

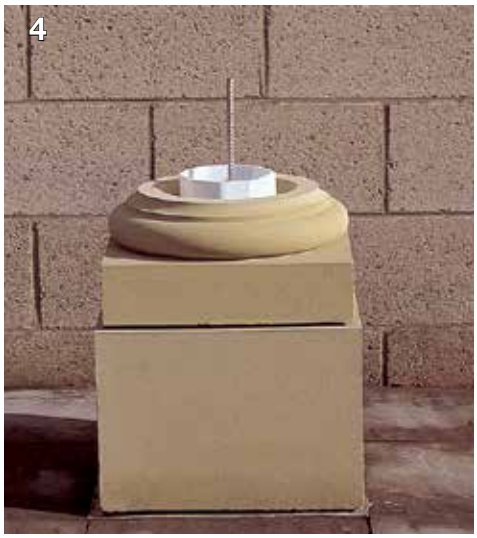
The column is supplied in component form: ie capital, shaft, base, plinth and pedestal. Depending on column type, each column shaft is supplied in either one piece or multiple drum sections as detailed on the relevant Tech Sheets. Unless otherwise stated, all materials other than the stonework are to be supplied by others. Consult a qualified builder or installer to ensure all relevant Building Regulations/Codes are adhered to prior to installation of columns.

The column should be erected on a suitable foundation. Foundation, concrete and steel reinforcement to be designed by others to suit loadings and ground conditions. Shown is a suitable steel starter bar set into a concrete foundation.

The pedestal is then bedded on 1:1:6 cement/ lime/sand mortar. All joints would normally be 6mm (¼") with the mortar slightly recessed from the surface of the stonework to allow for pointing after the column is erected.



The column base is bedded on the pedestal as previously described.



It is important that polystyrene/Styroforam (or similar) is used to act as an isolating medium between the stone and infill concrete. This is inserted into the core of the pedestal and base. Care should be taken to ensure sufficient overlap at both vertical and horizontal joints with continuous contact between the isolating material and the inner stonework core.

The pedestal and base are then infilled with concrete. The course aggregate of the concrete being rounded gravel of maximum 10mm (⅜"). All subsequent concrete pours should only take place after the concrete in the preceding section has reached its initial set.

The steel main bar reinforcement is tied to the starter bar insuring sufficient overlap. The concrete is then carefully compacted by hand.

The bottom shaft section is then bedded and the isolating medium inserted as previously described. The concrete is again infilled.

The concrete is then hand compacted. The second and third shaft sections being installed in the same way (unless a single shaft unit).

The capital is then bedded. The isolating medium is inserted into the core. The core is then partly infilled with concrete as previously described

The isolating medium is then trimmed flush. Continue concrete infill until level with top of capital. The capital is now ready for the next stage, either (11) or (12).

Column ~ Entablature or Structure above: the joint around the structural core between the capital and the entablature or structure above should be formed using a compressible filler, or a weak mortar mix, to form a 6mm (¼") soft joint. This ensures that any loading is carried by the central structural core and not by the stonework.

Column ~ Freestanding or timber pergola: the top of the capital will need to be waterproofed, as a minimum, with bituminous paint (applied in accordance with manufacturers instructions) to approximately 25mm (1") from the edge of the stone.

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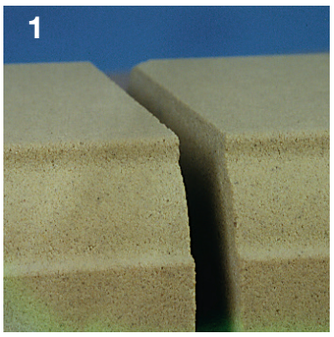
Issue date: 02/15

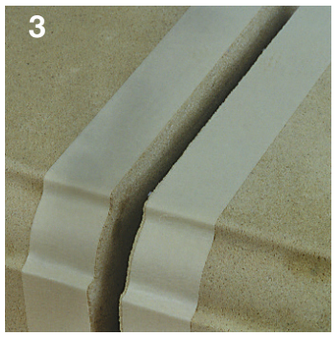
HADDONSTONE POINTING RECOMMENDATIONS

Required: pointing mix, pointing trowel, masking tape, mixing bowl, water, mist sprayer.
Please note: all text and photographs relate to Haddonstone semi-dry pointing mix.



Before pointing ensure each 6mm (¼") joint is free from loose particles. Avoid pointing in extreme conditions, particularly wet and cold.

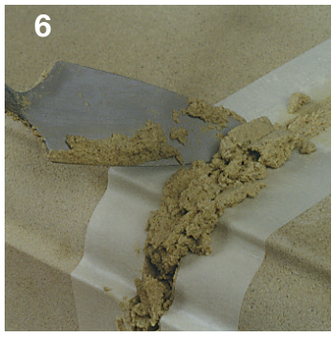
Apply masking tape to both sides of the joint, keeping the tape approximately 1mm ($^1/_{16}$") from the edge of the joint.



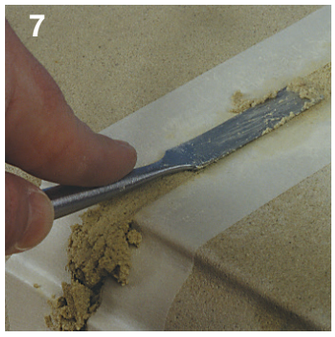
The joint is now ready to start pointing.

Carefully add small quantities of water to the Haddonstone pointing mix, mixing thoroughly to ensure the water is fully dispersed. **See note below*.

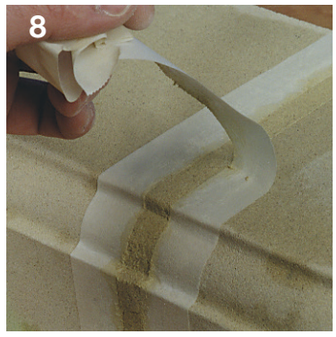
The Haddonstone pointing mix is ready to use when it has the consistency of damp sand. **See note below*.



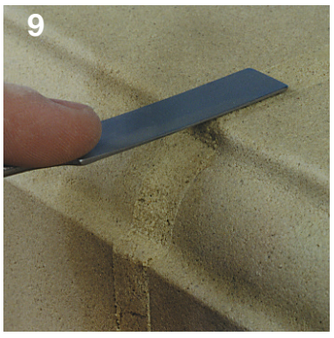
Scoop the mix into the joint, pressing with a trowel to ensure an even fill.



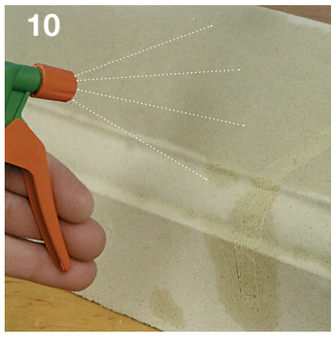
Smooth the pointing mix to the profile of the stone, removing any excess pointing mix.



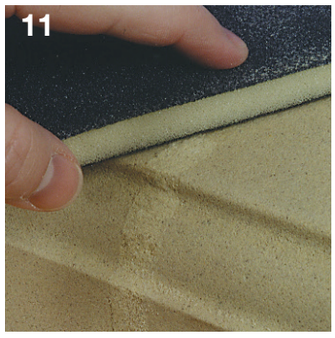
Carefully remove the masking tape.



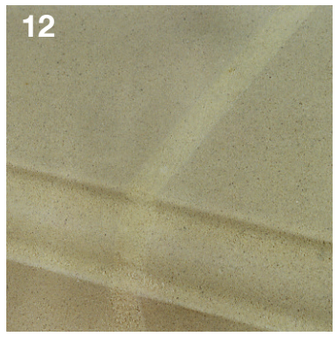
If necessary trowel over the joint once more to ensure a flush finish.



Apply a fine and even mist of water to the joint to prevent drying out.



Any mix residue may be rubbed away with fine abrasive paper 2-3 days after completion.



The finished joint.

** NOTE: It would be advantageous to use a waterproofing additive in the mixing water (SBR or other proprietary mortar admixture). The use of too much water can lead to the pointing mix colour and texture becoming unsightly, and the possibility of the mix bleeding into the adjacent cast stone.*

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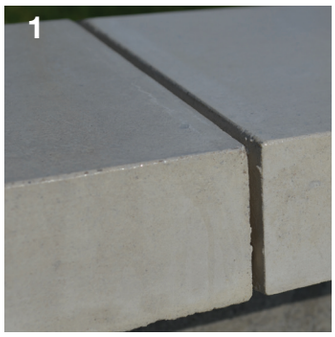
www.haddonstone.com

Issue date: 10/18

TECSTONE POINTING RECOMMENDATIONS

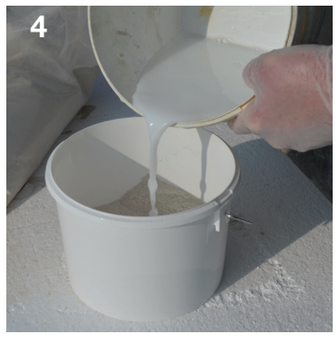
Required: pointing mix, pointing trowel, masking tape (if required), mixing bowl, water, sponge.
Please note: all text and photographs relate to TecStone pointing mix.



Before pointing ensure each 6mm (¼") joint is free from loose particles. Avoid pointing in extreme conditions, particularly wet and cold.

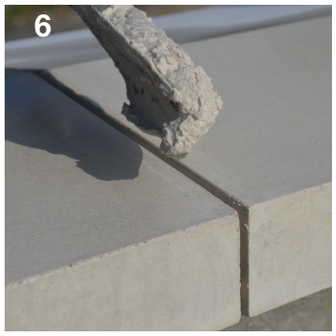
The TecStone pointing mix is supplied as separately bagged aggregate and cement, with an information leaflet.

The pointing mix, cement and aggregate should first be mixed together dry in the ratio of 1 part cement to 4.5-6.5 parts aggregate.

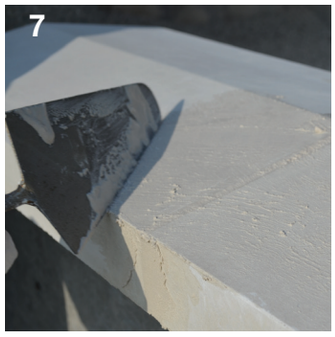


Carefully add small quantities of water to the TecStone pointing mix, mixing thoroughly to ensure the water is fully dispersed. **See note below*.

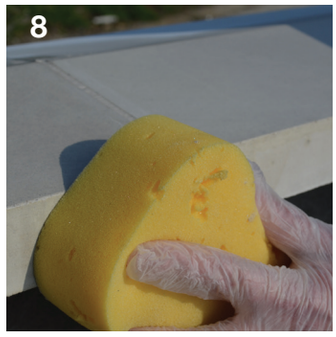
The TecStone pointing mix is ready to use when it has the consistency of putty. **See note below*.



Scoop the mix into the joint, pressing with a trowel to ensure an even fill.

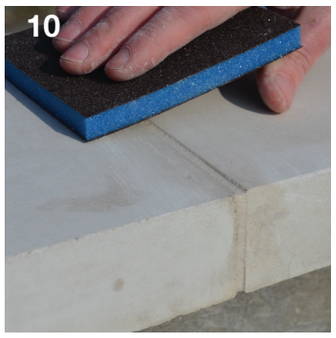


Smooth the pointing mix to the profile of the stone, removing any excess pointing mix.

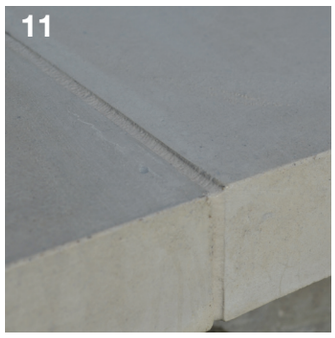


Wipe over the surface of the joint and surrounding area with a dampened sponge to remove all surplus pointing material off the surrounding areas and ensure a flush finish to the joint.

If necessary trowel over the joint once more to ensure a flush finish.



Any mix residue may be rubbed away with fine abrasive paper 2-3 days after completion.



The finished joint.

** NOTE: It would be advantageous to use a waterproofing additive in the mixing water (SBR or other proprietary mortar admixture). The use of too much water can lead to the pointing mix colour and texture becoming unsightly, and the possibility of the mix bleeding into the adjacent cast stone.*

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