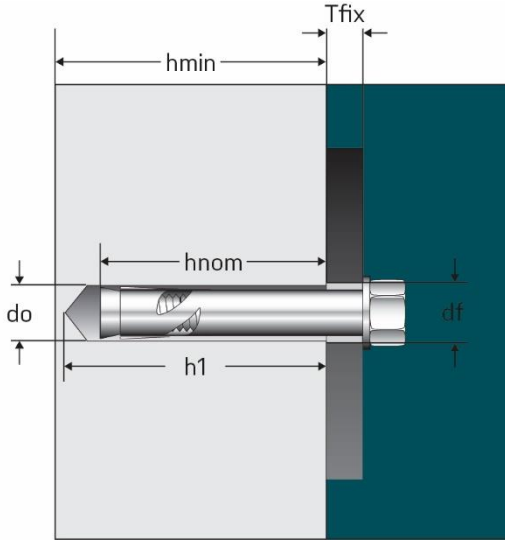


# MASONMATE® Technical Data Sheet

## Sleeve Anchor

### Sleeve Anchor

ZINC & CLEAR CR3+ / STAINLESS STEEL A4



$T_{fix}$  = Fixing thickness  
 $d_o$  = Drill hole diameter  
 $h_1$  = Drill hole depth  
 $h_{min}$  = Concrete thickness  
 $h_{nom}$  = Minimum embedment depth  
 $d_f$  = Hole diameter on the fixing element  
 $T_{inst}$  = Installation torque

#### Suitable Applications:

- Concrete
- Solid stone

## Hexagon Flanged Nut

Size ØxL	$d_o$ (mm)	Screw size (mm)	$T_{fix}$ (mm)	$h_1$ (mm)	$h_{nom}$ (mm)	$d_f$ (mm)	$h_{min}$ (mm)	$T_{inst}$ (Nm)	code
M6x36	6	5	5	40	30	8	60	5	0839M460009
M6x56			20		35				0839M460027
M8x40	8	6	5	40	35	10	70	8	0839M490009
M8x65			30						0839M490035
M8x85			50						0839M490060
M10x50	10	8	5	50	45	12	100	20	0839M540009
M10x77			25	60	52				0839M540036
M10x97			45	60	52				0839M540060
M12x60	12	10	5	60	55	14	120	35	0839M560009
M12x75			15	65	60				0839M560022
M12x99			40						0839M560050
M12x129			70						0839M560080
M16x65	16	12	5	65	60	18	150	60	0839M580013
M16x111			35	80	75				0839M580055
M16x147			70	80	75				0839M580090
M20x151	20	16	55	100	95	22	200	70	0839M620100

# MASONMATE® Technical Data Sheet

## Sleeve Anchor

### Hexagon Loose bolt

Size ØxL	do (mm)	Screw size (mm)	Tfix (mm)	h1 (mm)	hnom (mm)	df (mm)	hmin (mm)	Tinst (Nm)	code
M8x45	8	6	10	45	35	10	70	8	0839M540045HB
M8x70			35	50					0839M540070HB
M8x90			55	60					0839M540090HB
M10x45	10	8	10	50	35	12	100	20	0839M560045HB
M10x55			10	55	45				0839M560055HB
M10x80			28	70	52				0839M560080HB
M10x100			48	70	52				0839M560100HB
M12x65	12	10	10	65	55	14	120	35	0839M580065HB
M12x80			20	80	60				0839M580080HB
M12x99			40	80	60				0839M580100HB
M16x75	16	12	15	75	60	18	150	60	0839M620075HB
M16x120			44	90	76				0839M620120HB

### Countersunk Head Loose Bolt

Size ØxL	do (mm)	Screw size (mm)	Tfix (mm)	h1 (mm)	hnom (mm)	df (mm)	hmin (mm)	Tinst (Nm)	code
M6x55	6	5	20	40	35	8	60	5	0839M490055CB
M8x60	8	6	25	45	35	10	70	8	0839M540060CB
M10x75	10	8	20	60	45	12	100	20	0839M560075CB
M10x102			47		45				0839M560102CB

### Hexagon Nut Stainless Steel A4

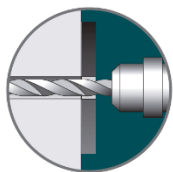
Size ØxL	do (mm)	Screw size (mm)	Tfix (mm)	h1 (mm)	hnom (mm)	df (mm)	hmin (mm)	Tinst (Nm)	code
M8x65	8	6	30	40	35	10	70	8	0839M540065SS
M10x50	10	8	5	50	45	12	90	20	0839M560050SS
M10x77			25	60	52		100		0839M560077SS
M10x97			45	60	52		100		0839M560097SS
M12x60	12	10	5	60	55	14	110	35	0839M580060SS
M12x75			15	65	60		120		0839M580075SS
M12x99			40	65	60		120		0839M580099SS

# MASONMATE® Technical Data Sheet

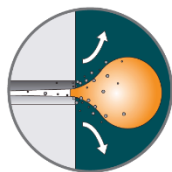
## Performance data (C20/25 uncracked concrete)

hef	=	Anchorage depth
Ccr,N	=	Critical edge distance
Scr,N	=	Critical spacing
Nrec	=	Recommended Tensile Load
Vrec	=	Recommended Shear Load

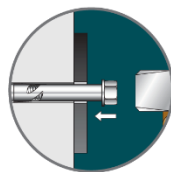
Size	M5	M6	M8	M10	M12	M16
hef (mm)	30	30	45	50	60	80
Ccr,N (mm)	45	45	67.5	75	90	120
Scr,N (mm)	90	90	135	150	180	240
Nrec (kN)	1.47	1.96	3.19	4.41	5.88	7.84
Vrec (kN)	1.3	2.2	3.9	6.2	7.2	8.4



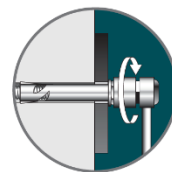
Drill your hole to the correct diameter...



...clear any debris...



...insert Sleeve Anchor through fixture into hole...



...tighten to recommended tightening torque.

The recommended loads derive from the mean ultimate loads and are inclusive of the safety factor  $\gamma=4$

Due to the variable nature of the substrates this data is provided for guidance only and performance is subject to the correct installation of the product.

The information provided is based on the principles, formulae and safety factors set out in the installation instructions and data sheets that are believed to be correct at the time of writing.

The data and values are based on the respective average values obtained from tests under laboratory or other controlled conditions. It is the user's responsibility to use the data given in the light of conditions on site and taking into account the intended use of the products concerned. The user should check that the listed prerequisites and criteria conform with the conditions actually existing on the site. Whilst we can give general guidance and advice, the nature of the products means that the ultimate responsibility for selecting the right product for a particular application must lie with the customer.