

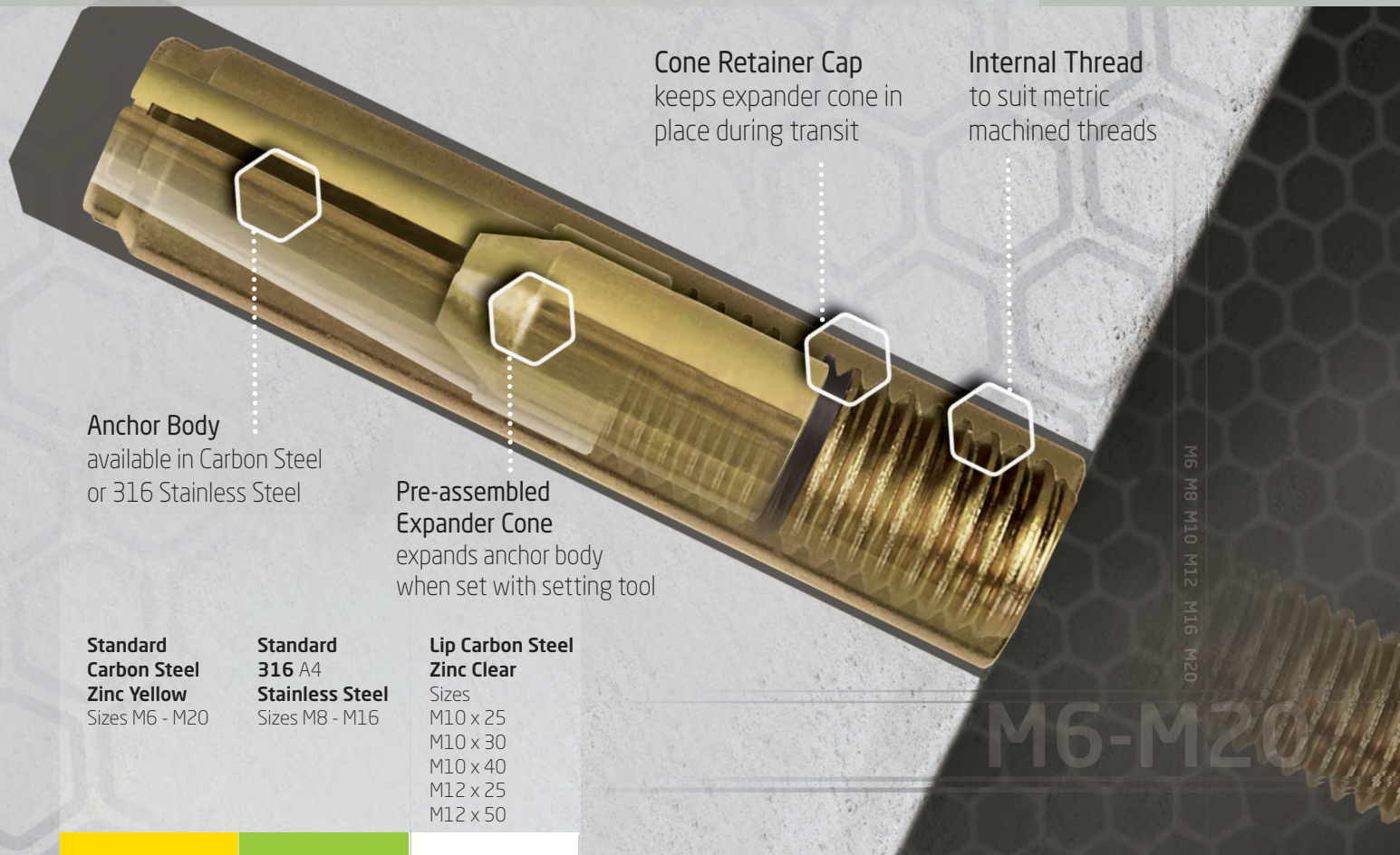
DROP-IN ANCHOR



ICCONS®
Serious Connections®

TDS | 1003.3

STANDARD & LIP



Cone Retainer Cap
keeps expander cone in place during transit

Internal Thread
to suit metric machined threads

Anchor Body
available in Carbon Steel or 316 Stainless Steel

Pre-assembled Expander Cone
expands anchor body when set with setting tool

Standard Carbon Steel
Zinc Yellow
Sizes M6 - M20

Standard 316 A4 Stainless Steel
Sizes M8 - M16

Lip Carbon Steel
Zinc Clear
Sizes
M10 x 25
M10 x 30
M10 x 40
M12 x 25
M12 x 50

M6 M8 M10 M12 M16 M20

M6-M20



ICCONS® DROP-IN ANCHOR is a single piece internally threaded expansion anchor suitable for solid base material available in carbon steel zinc plated and 316 (A4) stainless steel.

The anchor is set by displacement of the pre-assembled expander cone to enable full expansion of the anchor body. The anchor must be set with the correct ICCONS® setting tool (see product guide for full selection).

Available in two anchor body styles "Standard" and "Lip". The lip feature ensures the anchor will mount flush with the concrete surface for consistency. The internal thread is suitable for machined bolts or threaded rod.



Part No.	Part No.	Part No.	Description	mm	mm	mm	torque Nm	qty	qty
DM06			M6 x 25mm Drop-in	8	27	M6	5	100	1000
DM08	DM08SS		M8 x 30mm Drop-in	10	32	M8	10	100	1000
DM10	DM10SS	DLPM1025	M10 x 25mm Lip Drop-in	12	27	M10	25	50	500
		DLPM1030	M10 x 30mm Lip Drop-in		32			50	500
			M10 x 40mm Drop-in		42			50	500
		DLPM1040	M10 x 40mm Lip Drop-in		42			50	400
DM12	DM12SS	DLPM1225	M12 x 25mm Lip Drop-in	15	27	M12	25	50	300
			M12 x 50mm Drop-in		52			50	400
		DLPM1250	M12 x 50mm Lip Drop-in		52			50	300
DM16	DM16SS		M16 x 65mm Drop-in	20	67	M16	95	25	100
DM20			M20 x 80mm Drop-in	25	82	M20	185	25	50

Information contained in this technical document is based on testing by the manufacturer and should be reviewed and approved by a design professional responsible for the given application. For safety critical fastening applications designed in accordance with SA TS 101:2015, please refer to the Iccons website for a complete suite of compliant post-installed chemical and mechanical anchoring products.

DROP-IN ANCHOR



ICCONS
Serious Connections®

PERFORMANCE | RECOMMENDED LOADS

TDS | 1003.3

Part No.	Drill Size (mm)	Hole Depth (mm)	Depth (mm)	Spacing (mm)	Edge Distance (mm)	N _{rec}			V _{rec}
						ZINC & 316 TENSION			ZINC & 316 SHEAR
						20MPa (kN)	32MPa (kN)	40MPa (kN)	20MPa, 32MPa, 40MPa (kN)
DM06	8	27	M6	75	84	1.9	2.2	2.5	2.0
DM08 / DM08SS	10	32	M8	90	112	3.2	4.0	4.5	3.5
DLPM1025	12	27	M10	90	140	1.9	2.2	2.5	2.2
DLPM1030		32		90	140	2.9	3.6	4.1	3.7
DM10 / DM10SS		42		120	140	4.2	5.2	5.8	5.7
DLPM1040		42		120	140	4.2	5.2	5.8	5.7
DLPM1225	15	27	M12	150	168	1.9	2.2	2.5	2.2
DM12 / DM12SS		52				6.4	8.2	9.1	8.0
DLPM1250									
DM16 / DM16SS	20	67	M16	195	224	8.6	10.8	12.1	14.2
DM20	25	82	M20	240	280	11.1	14.1	15.6	17.5

Note: The above information has been derived from laboratory test results using NATA calibrated equipment. The above load capacities incorporate a safety factor of 3 for concrete and 2.5 for steel. All loads are representative of a single anchor remote from an edge.

Limit State Design - Multiply the above loads by 1.8 to determine the Limit State Design capacities.

MATERIAL SPECIFICATIONS



Anchor Component	Standard Yellow Zinc	Standard Stainless Steel	Lip Clear Zinc
Body	C1018	316 (A4) Stainless Steel	C1018
Cone	C1018	316 (A4) Stainless Steel	C1018
Thread	Metric	Metric	Metric
Plating (min 5 microns)	Yellow Zinc		Clear Zinc

Installation Accessories

Setting tools for Standard Drop-in and Lip Drop-ins (refer to Product Guide for details)



Short SDS drill bit & setting tool for M10x25 & M10x30 Lip Drop-in Anchors (refer to Product Guide for details)



Short SDS Drill Bit for M12 Lip Drop-in Anchors (refer to Product Guide for details)



INSTALLATION

