

MSCOne Token Table

MSCOne Products:

Actran

PID	Product Module	Tokens
14003	Actran Acoustics	28
14005	Actran Aero-Acoustics	14
14006	Actran DGM	14
14007	Actran GPU 1 st – 4 th units	12
14007	Actran GPU 5 th – 8 th units	12
14007	Actran GPU 9 th – 16 th units	12
14007	Actran GPU 17 th – 28 th units	12
14007	Actran GPU 29 th through 64 th units	1 per core
14007	Actran GPU 65 th and above units	0
14008	Actran Green	0*
14013	Actran Level3	0*
14014	Actran Parallel 2 nd – 4 th cores	12
14014	Actran Parallel 5 th – 8 th cores	12
14014	Actran Parallel 9 th – 16 th cores	12

PID	Product Module	Tokens
14014	Actran Parallel 17 th – 28 th cores	12
14014	Actran Parallel 29 th through 64 th cores	1 per core
14014	Actran Parallel 65 th and above cores	0
14016	Actran Pre-Process	0*
14017	Actran Python	0*
14018	Actran Sequential	0*
14020	Actran SNGR	14
14021	Actran TM	28
14022	Actran Trimmed Body	14
14023	Actran Vibro-Acoustics	14
14025	Actran VI	10
14030	Actran SEA Solver	28
14031	Actran Workflow Manager	10

Adams

PID	Product Module	Tokens
10107	Adams View	5
10518	Adams ViewFlex	6
10390	Adams Mechatronics	3
10109	Adams Insight	1
10108	Adams Post Processor	0*
10110	Adams Solver	11
10306	Adams Solver SMP	3
10119	Adams Linear	5
10116	Adams Controls	6
10117	Adams Flex	6
10622	Adams MaxFlex	10
10112	Adams Durability	6
10207	Adams Vibration	3
10111	Adams Vibration Solver	3
10144	Adams 3D Road	3
10289	Adams Tire Handling	3
10269	Adams SmartDriver	2
10419	Adams Car Plug-in	1
10122	Adams Car Suspension	4
10309	Adams Vehicle Solver	7
10223	Adams Car Ride	2
10224	Adams Car Ride ID Tool	0*
10222	Adams Car Ride Solver	2
10227	Adams Chassis	6
10228	Adams Chassis Utilities	0*
10220	Adams Driveline	3
21101	Adams Modeler User Interface	10
10545	Bearing ATBase (Adams Toolkit)	0*
10557	Electromagnetics AT Base (Adams Toolkit)	0
10558	Electromagnetics AT Solver (Adams Toolkit)	4

PID	Product Module	Tokens
10126	Adams Driveline Solver	3
10215	Adams Foundation Classes	0*
10216	Adams Visual Edit	0*
10623	Adams Co-Simulation Interface	5
10632	Adams Geometry Translators	2
10520	Adams Machinery Belt (2018 and earlier)	4
10602	Adams Machinery Cable (2018 and earlier)	4
10521	Adams Machinery Chain (2018 and earlier)	4
10522	Adams Machinery Gear (2018 and earlier)	4
10822	Adams Machinery Belt GUI (2019 and later)	2
10823	Adams Machinery Cable GUI (2019 and later)	2
10824	Adams Machinery Chain GUI (2019 and later)	2
10825	Adams Machinery Gear GUI (2019 and later)	2
10827	Adams Mach. Belt Solver (2019 and later)	2
10828	Adams Mach. Cable Solver (2019 and later)	2
10829	Adams Mach. Chain Solver (2019 and later)	2
10830	Adams Mach. Gear Solver (2019 and later)	2
10621	Adams Machinery Cam	4
10611	Adams Machinery Motor	4
10148	Adams Exchange	2
10758	Adams Solver Fixed Step	0*
10759	Adams Solver Real-Time OS	21
21102	Adams Modeler Flex Body Generation and Stress Recovery	6
10533	Gear AT Base (Adams Toolkit)	0*
10534	Gear AT Solver (Adams Toolkit)	4
10535	Gear AT Pre (Adams Toolkit)	0*
10546	Bearing AT Solver (Adams Toolkit)	3
10547	Bearing AT Pre (Adams Toolkit)	0*
10559	Electromagnetics AT Pre (Adams Toolkit)	0

CAEfatigue

PID	Product Module	Tokens
16301	CAEfatigue TIME	15
16302	CAEfatigue FREQUENCY	25

PID	Product Module	Tokens
16303	CAEfatigue PREMIUM	48
16303	CAEfatigue RANDOM	15

Cradle CFD

PID	Product Module	Tokens
14906	Cradle CFD Unlimited Cores	56
14901	Cradle CFD Pre/Post Job	18

PID	Product Module	Tokens
14903	Cradle CFD Solver Job	48

Cradle PICLS

PID	Product Module	Tokens
14681	PICLS	2

Cradle SC/Tetra

PID	Product Module	Tokens
14605	SC/Tetra a Pre/Post Base with up to 2-Cores	18
14606	SC/Tetra Pre/Post cores 3 and 4	8
14606	SC/Tetra a Pre/Port cores 5 through 8	10
14606	SC/Tetra a Pre/Port cores 9 through 16	6
14606	SC/Tetra Pre/Post cores – Each additional 8 cores after 16 cores	2
14601	SC/Tetra a Utility	0*
14701	Software Cradle Utility	0*

PID	Product Module	Tokens
14608	SC/Tetra a Solver Base with up to 2-Cores	18
14609	SC/Tetra Solvercores 3 and 4	8
14609	SC/Tetra Solver cores 5 through 8	10
14609	SC/Tetra a Solver cores 9 through 16	6
14609	SC/Tetra a Solver cores – Each additional 8 cores after 16 cores	2
14611	SC/Tetra Solver Utility	0*

Cradle scFLOW

PID	Product Module	Tokens
14625	scFLOW Pre/Post Base with up to 2-Cores	18
14626	scFLOWPre/Post cores 3 and 4	8
14626	scFLOW Pre/Port cores 5 through 8	10
14626	scFLOW Pre/Port cores 9 through 16	6
14626	scFLOW Pre/Post cores – Each additional 8 cores after 16 cores	2
14621	scFLOW Utility	0*
14701	Software Cradle Utility	0*

PID	Product Module	Tokens
14628	scFLOW Solver Base with up to 2-Cores	18
14629	scFLOW Solver cores 3 and 4	8
14629	scFLOW Solver cores 5 through 8	10
14629	scFLOW Solver cores 9 through 16	6
14629	scFLOW Solver cores – Each additional 8 cores after 16 cores	2
14631	scFLOW Solver Utility	0*
14638	scFLOW Unlimited Cores	56

Cradle scPOST and XR

PID	Product Module	Tokens
14691	Software Cradle scPOST	18

PID	Product Module	Tokens
16617	Cradle XR	48

Cradle scSTREAM

PID	Product Module	Tokens
14645	scSTREAM Pre/Post Base with up to 2-Cores	18
14646	scSTREAM Pre/Post cores 3 and 4	8
14646	scSTREAM Pre/Port cores 5 through 8	10
14646	scSTREAM Pre/Port cores 9 through 16	6
14646	scSTREAM Pre/Post cores – Each additional 8 cores after 16 cores	2
14641	scSTREAM Utility	0*
14701	Software Cradle Utility	0*

PID	Product Module	Tokens
14648	scSTREAM Solver Base with up to 2-Cores	18
14649	scSTREAM Solver cores 3 and 4	8
14649	scSTREAM Solver cores 5 through 8	10
14649	scSTREAM Solver cores 9 through 16	6
14649	scSTREAM Solver cores – Each additional 8 cores after 16 cores	2
14651	scSTREAM Solver Utility	0*
14657	scSTREAM Unlimited Cores	56

Notice: 14638 scFLOW Unlimited Cores and 14657 scSTREAM Unlimited Cores under MSC ONE will be available with V2023.1. These features shall be used with the base feature such as “scFLOW Solver Base with up to 2 cores” under MSC ONE. These features can also be combined with seat licenses of scFLOW and scSTREAM.

Digmat

PID	Product Module	Tokens
14201	Digmat MF	21
14203	Digmat MX+	13
14243	Digmat Advanced Pre/Post	5
14204	Digmat-MS Mapping	5
14206	Digmat-MS Pre/Post	16
14215	Digmat-CAE/Linear	Embedded
14207	Digmat FE Pre/Post	17
14244	Digmat ROM	14
14208	Digmat FE Solver	25
14238	Digmat FE Solver GPU	9
14210	Digmat VA Pre/Post	17
14211	Digmat VA Solver	25
14226	Digmat AM Pre/Post	17

PID	Product Module	Tokens
14227	Digmat AM Solver	25
14217/14209	Digmat Parallel 2 nd – 8 th cores	1
14217/14209	Digmat Parallel 9 th – 16 th cores	5
14217/14209	Digmat Parallel 17 th – 32 nd cores	5
14217/14209	Digmat Parallel 33 rd – 64 th cores	10
14217/14209	Digmat Parallel 65 th + cores	10
14212	Digmat-MS Connector	18
14213	Digmat-CAE/Molding	Embedded
14214	Digmat-CAE/Fatigue	Embedded
14216	Digmat-CAE/Draping	Embedded
14223	Digmat-CAE/Additive	Embedded
14229	Digmat-CAE/CTScan	Embedded
14228	Digmat-CAE/Casting	Embedded

Dytran

PID	Product Module	Tokens
1300	Dytran	23

Easy5

PID	Product Module	Tokens
10169	Easy5 Analysis, Build	1
10173	Easy5 Library Developer, Build	2
10172	Easy5 Matlab Interface, Build	1
10171	Easy5 Matrix Algebra Tool	0*
10168	Easy5 Model Building, Build	1
10656	Easy5 Electrical Systems Library	3
10178	Easy5 Gas Dyn./Pneumatics, Build	3
10175	Easy5 Thermal Hydr., Basic, Build	2
10176	Easy5 Thermal Hydr., Adv., Build	3
10180	Easy5 Multiphase Fluid, Build	3

PID	Product Module	Tokens
10656	Easy5 Electrical System Library	3
10278	Easy5 Analysis, Runtime	1
10265	Easy5 Library Developer, Runtime	2
10281	Easy5 MatLab Interface, Runtime	1
10263	Easy5 Model Building, Runtime	2
10244	Easy5 Gas Dyn./Pneum., Runtime	2
10242	Easy5 Thermal Hydr, Basic, Runtime	1
10243	Easy5 Thermal Hydr., Adv., Runtime	2
10246	Easy5 Multiphase Fluid, Runtime	2

FTI FormingSuite

PID	Product Module	Tokens
16136	FormingSuite COSTOPTIMIZER Advanced	33
16137	FormingSuite COSTOPTIMIZER Pro	38
16114	FormingSuite FASTINCREMENTAL GUI	17
16134	FTI Automated Costing System	55
16161	Automated Costing System Professional	55

PID	Product Module	Tokens
16139	FormingSuite FASTFORM Advanced	28
16135	FormingSuite COSTOPTIMIZER	28
16101	FormingSuite FASTBLANK	14
16115	FormingSuite FAST INCREMENTAL Solver	15

Marc and Mentat

PID	Product Module	Tokens
4101	Marc Standard	20
10165	Marc Electrical	Embedded
10323	Marc Hemi-Cube View Factors	Embedded
10166	Marc Metal Cutting	Embedded
10167	Marc Shape Memory Materials	Embedded
4120	Marc 2D Mesher only	0*
4121	Marc 3D Mesher only	0*
4104	Mentat	5
4106	Mentat Hex Mesher	Embedded
4119	Mentat CMOLD Access	0*
4125	Mentat ITI Access	0*
10738	Marc Material Fitting Tool	0*
10612	Mentat CAE Solid Modeling	2
10635	Mentat Geometry Translators	2
10636	Mentat CATIA V4 Access	2

PID	Product Module	Tokens
10637	Mentat CATIA V5 Access	2
10638	Mentat Creo Access	2
10639	Mentat Inventor Access	2
10640	Mentat JT Access	2
10641	Mentat NX Access	2
10642	Mentat SolidWorks Access	2
10739	Marc Phase Transformations	0*
10534	Marc GPU	3
4102	Marc Parallel - 2nd core	6
4102	Marc Parallel - 3 rd to 4 th per core	3 per core
4102	Marc Parallel – 5 th to 8 th per core	2 per core
4102	Marc Parallel – 9 th to 16 th per core	2 per core
4102	Marc Parallel – 17 th to 32 nd per core	1 per core
4102	Marc Parallel – 33 rd + per core	1 per core

MaterialCenter

PID	Product Module	Tokens
10726	MaterialCenter Server - Production	8
10727	MaterialCenter User - Production	8
10728	MaterialCenter Client - Production	5

PID	Product Module	Tokens
10729	MaterialCenter Server – Dev.	4
10730	MaterialCenter User – Dev. (5 max)	4
10731	MaterialCenter Client – Dev.	3

MSC Apex

PID	Product Module	Tokens
12001	MSCApex Modeler	15
12002	MSCApex CAD Access Pack	0*

PID	Product Module	Tokens
12003	MSC Apex Structures	5

MSC Apex Generative Design

PID	Product Module	Tokens
12008	MSCApex Generative Design Modeler	7
12009	MSCApex Generative Design Engine	7

PID	Product Module	Tokens
12010	MSCApex Generative Design Engine GPU	4

MSC CoSim

PID	Product Module	Tokens
10801	MSC CoSim Marc Interfac e	1
10802	Marc Solver CoSim Adaptor	0*
10803	MSC CoSim Adams Interface	1
10804	Adams Solver CoSim Adaptor	0*
10811	MSC CoSim PRE Basic	0*

PID	Product Module	Tokens
10805	MSC CoSim scFLOW Interface	1
10806	scFLOW Solver CoSim Adaptor	0*
10807	MSC CoSim MSC Nastran Interface	1
10808	MSC Nastran Solver CoSim Adaptor	0*
10812	MSC CoSim PRE Plus	5

MSC Nastran

PID	Product Module	Tokens
1003	MSC Nastran Basic	13
10233	MSC Nastran Adams Integratio n	Embedded
10002	MSC Nastran Connec to rs	Embedded
10464	MSC Nastran Linear Contact	Embedded
1032	MSC Nastran Superelements	Embedded
10058	MSC Nastran Acoustics	Embedded
10209	MSC Nastran DDAM	Embedded
1024	MSC Nastran DMAP	0*
1025	MSC Nastran Dynamics	Embedded
1023	MSC Nastran Heat Transf er	Embedded
1027	MSC Nastran Nonlinear	Embedded
10010	MSC Nastran ACMS	3
1033	MSC Nastran Aeroelasticity I	3
10363	MSC Nastran Adv.NL (SOL400)	13
10800	MSC Nastran AVL Excite Interface	0*
10833	MSC Nastran Coupled Modes	3
1031	MSC Nastran Design Optimization	5
10761	MSC Nastran Explicit – Dytran-B as ed	18
10360	MSC Nastran Exterior Acoustics	15
10234	MSC Nastran Krylov Solver	8
10717	MSC Nastran Modules	5
10563	MSC Nastran PEM	15
10232	MSC Nastran Rotor Dynamics	3

PID	Product Module	Tokens
10837	MSC Nastran Tire Modeling	5
10509	MSC Nastran GPU	3
1030	MSC Nastran SMP (For MSC Nastran 2014 and earlier)	3
1020	MSC Nastran DMP (For MSC Nastran 2014 and earlier)	5
10735	MSC Nastran Parallel – 2 nd – 4 th cores	4
10735	MSC Nastran Parallel – 5 th – 8 th cores	3
10735	MSC Nastran Parallel – 9 th – 16 th cores	3
10735	MSC Nastran Parallel – 17 th – 32 nd cores	2
10735	MSC Nastran Parallel – 33 rd core and above	2
10614	MSC Nastran Digimat Interfac e	8
10615	MSC Nastran Digimat Parallel (cores 2-8)	4
10615	MSC Nastran Digimat Parallel (cores 9-16)	2
10615	MSC Nastran Digimat Parallel (cores 17-32)	3
10615	MSC Nastran Digimat Parallel (cores 33-64)	5
10615	MSC Nastran Digimat Parallel (cores 65+)	5
10077	MSC Nastran SOL600 Marc Trans.	0*
20170	MSC Nastran SOL600 Implicit NL	18
10167	MSC Nastran SOL600 Shape Mem.	Embedded
10323	MSC Nastran SOL600 Hemi-C ub e	Embedded
4102	MSC Nastran SOL600 - 2nd core	6
4102	MSC Nastran SOL600 - 3rd and 4th core	3 per core
4102	MSC Nastran SOL600 - 5th - 8th core	2 per core
4102	MSC Nastran SOL600 - 9th - 16th core	2 per core
4102	MSC Nastran SOL600 - 17th - 32nd core	1 per core
4102	MSC Nastran SOL600 - 33rd and above	1 per core

ODYSSEE

PID	Product Module	Tokens
30202	ODYSSEE Lunar (ODYSSEE 2021.4 and earlier)	20
30203	ODYSSEE Nova (ODYSSEE 2021.4 and earlier)	20
30201	ODYSSEE Quasar (ODYSSEE 2021.4 and earlier)	20
16233	ODYSSEE A-Eye (Includes ODYSSEE A-Eye GUI and Solver)(ODYSSEE 2022.1 and later)	40
16234	ODYSSEE CAE (Includes ODYSSEE CAE GUI and Solver)(ODYSSEE 2022.1 and later)	60
16236	ODYSSEE Solver (ODYSSEE 2022.1 and later)	20

PID	Product Module	Tokens
16238	ODYSSEE Explore	3
25016	ODYSSEE FMU Builder	20
25017	ODYSSEE FMU Runtime	10
25012	Mentat ROM Builder	15
25013	Marc FMU Runtime	5

Please Note: ODYSSEE licensing has changed in the 2022.1 release. The current release of ODYSSEE CAE draws the full 60 tokens at once and authorizes both the CAE GUI and Solver. ODYSSEE A-Eye draws 40 tokens at once and authorizes both the A-Eye GUI and Solver

Patran

PID	Product Module	Tokens
501	Patran	13
716	Patran Marc Preferenc e	0*
722	Patran MSC Nastran Preferenc e	Embedded
701	Patran ABAQUS Preference	0*
704	Patran ANSYS Preference	0*
707	Patran Dytran Preference	0*
728	Patran LS-DYNA Preference	0*
740	Patran PAM-CRASH Preference	0*
10009	Patran Advanced Surface Meshing	0*
526	Patran Beam Tools	Embedded
10353	Patran Random Analysis	0*
596	Patran CAE Solid Modeling	2
10643	Patran Generic Geometry Trans .	2

PID	Product Module	Tokens
10644	Patran ACIS SAT Access	2
10645	Patran CATIA V4 Access	2
10646	Patran CATIA V5 Access	2
10647	Patran Creo Access	2
10650	Patran NX Access	2
10651	Patran SolidWorks Access	2
2527	Patran FlightLoads	10
509	Patran Thermal	10
510	Patran Materi als	3
10324	Patran Materi als Enterpris e	1
514	Patran Analysis Manager	2
508	Patran Queue Manager	2

Romax

PID	Product Module	Tokens
16401	Romax Enduro	29
16402	Helical Gear and Spline Contact Analysis	17
16403	System Gear Contact Analysis	15
16404	Bevel Gear Design and Rating	8
16411	Romax Spin	36
16412	Thrust Roller Bearing Stress Analysis	12
16413	Thrust Ball Bearing Stress Analysis	12
16414	Four-Point Contact Bearing Stress Analysis	12
16415	Spherical Roller Bearing Stress Analysis	15
16416	Cross Roller Bearing Stress Analysis	15
16417	Three-Point Contact Bearing Stress Analysis	12
16418	Asymmetric Bearing Stress Analysis	17
16420	Bearing Dynamics	23
16431	Romax Spectrum	46
16432	System Gear Transmission Error	15
16433	E-Machine NVH	22
16434	Planetary Gear Sidebands	29
16436	Acoustic Analysis for Actran	12
16437	Gear Rattle Analysis	9
16438	Dynamic System Export	12
16439	Romax Dynamic Fusion	15

PID	Product Module	Tokens
16451	Romax Energy	17
16452	Advanced Efficiency Analysis	23
16461	Romax Concept	15
16471	Romax Evolve	15
16472	Electrical Machine NVH Analysis	22
16481	FE Modelling and Analysis	12
16482	Flexible Bearing Raceways	8
16483	Detailed Hydrodynamic Journal Bearing Analysis	12
16491	Variability and Optimisation	12
16492	EM Excitation Interface	6
16493	Gear Analysis Interface	6
16494	HGSim Interfac e	9
16495	XML Model Import and Export	12
16496	XML Model Export with Results	12
16501	Toroidal CVT	29
16502	Cycloidal Drive	36
16511	Romax DT	0
16512	Romax Wind DT	0
16513	Romax Aero DT	0
16514	Romax Batch Operation	0

SimManager (2020 and later)

PID	Product Module	Tokens
10835	SimManag er Concurrent User	6

PID	Product Module	Tokens
10836	SimManager Named User	1

SimManager (2018.2 and earlier)

PID	Product Module	Tokens
10718	SimManager Server - Production	25
10719	SimManager User - Production	10
10720	SimManager Client - Production	2
10721	SimManag er Adams Car Portal – Prod.	5

PID	Product Module	Tokens
10722	SimManager Server – Dev.	10
10723	SimManager User – Dev. (5 Max)	5
10724	SimManager Client – Dev.	1
10725	SimManag er Adams Car Portal – Dev.	1

Important: Simufact Product Notes for MSCOne Users

The Simufact GUI and Solvers interact during Pre and Post processing. Enough tokens are required to run the GUI and Solver concurrently.

Simufact Additive

PID	Product Module	Tokens
14521	Simufact Additive Powder Bed Fusion GUI	17
14525	Simufact Additive Metal Binder Jetting GUI	17
14526	Simufact Additive Machining GUI	17

PID	Product Module	Tokens
14522	Simufact Additive Solver	26
14523	Simufact Additive Parallel Node (per core)	1
14529	Simufact Additive GUI-PBF Process and Defect Analysis	17

Simufact Forming

PID	Product Module	Tokens
14401	Simufact Forming GUI	4
14402	Simufact Forming Solver	13
14403	Simufact Forming Parallel Node (per core)	2
14404	Simufact Forming Open Die Forging	6
14405	Simufact Forming Die Load Solver	6
14406	Simufact Forming Pressure Welding	6

PID	Product Module	Tokens
14407	Simufact Forming Mechanical Joining	6
14408	Simufact Forming Kinematics	6
14409	Simufact Forming Ring Rolling	6
14411	Simufact Forming Heat Treatment	6
14413	Simufact Forming Sheet Metal	6
14414	Simufact Forming Die Life	9

Simufact Welding

PID	Product Module	Tokens
14461	Simufact Welding GUI	17
14462	Simufact Welding Solver	26
14464	Simufact Welding Parallel Node (per core)	1

PID	Product Module	Tokens
14467	Simufact Welding Advanced Material Models	6
14468	Simufact Welding Direct Energy Deposition	6
14466	Simufact Welding Resistance Spot Welding	6

MSCOne Token Table General Notes

- 1) New or Updated in this version of the MSCOne TokenTable will be highlighted in yellow.
- 2) Items with "0*" in the 'Tokens' column will not draw tokens but will be available in a quantity of licenses equal to the number of MSCOne tokens in the pool. For example, a pool of 100 MSCOne tokens will include 100 seats each of the line items designated with a "0*".
- 3) Features that are in grey text and have 'Embedded' in the 'Tokens' column are embedded on the non-indented Parent feature listed above each embedded feature.
- 4) Features with 'per core' added to the token draw amount in the 'Tokens' column will draw that many tokens for each HPC core used.