

**Customer Name / Jméno zákazníka:**  
Vysoka skola banska - Technicka univerzita  
Ostrava

**Customer Address / Adresa zákazníka:**  
Vysoka skola banska - Technicka univerzita  
Ostrava

Mr. Robert Cep  
[REDACTED]

17. listopadu 2172/15  
708 00 Ostrava - Poruba  
Czechia

**Hexagon Manufacturing  
Intelligence GmbH**  
Parkring 3  
85748 Garching b. München  
Germany  
T: +49 (0)89 210 932 24  
[www.hexagonmi.com](http://www.hexagonmi.com)

**Address Information / Dodatečná informace o adrese**

**Bill To / Fakturační adresa:**  
Vysoka skola banska - Technicka univerzita Ostrava

[REDACTED]  
Fakutla strojni  
17. listopadu 2172/15  
708 00 Ostrava - Poruba  
Czechia  
[REDACTED]

**Ship To / Adresa pro elektronickou dodávku:**  
Vysoka skola banska - Technicka univerzita  
Ostrava

[REDACTED]  
Fakutla strojni  
17. listopadu 2172/15  
708 00 Ostrava - Poruba  
Czechia  
[REDACTED]

**VAT Number / DIČ: CZ61989100**



**Installation Site/ Místo instalace: Fakultla strojni17. listopadu 2172/15, 708 00 Ostrava - Poruba, Czechia**

Computer Name/ Jméno počítače	Host ID/ MAC adresa	Technical Contact/Technický kontakt Name/Phone/Email Jméno/Telefon/E-mail
LICENCE1202	00-50-56-90-19-76	[REDACTED]

**Maintenance**

Software Description/ Popis softwaru	License Type/ Typ licence	Asset Flag/ Typ	Start Date/ Počátek licenčního období	End Date/ Ukončení licenčního období	Part Number/ Číslo produktu	Qty/ Množství	Total Fee/ Celkové poplatky
University Structures+Motion Bundle - 50 Users	Local Network	Renewal	01/01/2025	31/12/2025 12 months	30035-20463-50	[REDACTED]	€ 4.233,50
Patran CAE Solid Modeling - 5-user	Local Network	Renewal	01/01/2025	31/12/2025 12 months	30035-596-5	[REDACTED]	€ 321,55
Mentat CAE Solid Modeling (5 User)	Local Network	Renewal	01/01/2025	31/12/2025 12 months	30035-10612-5	[REDACTED]	€ 53,61
CAEfatigue PREMIUM	Local Network	Renewal	01/01/2025	31/12/2025 12 months	40073-16303	[REDACTED]	€ 267,98

**Installation Site/ Místo instalace: Fakultla strojni17. listopadu 2172/15, 708 00 Ostrava - Poruba, Czechia**

Computer Name/ Jméno počítače	Host ID/ MAC adresa	Technical Contact/Technický kontakt Name/Phone/Email Jméno/Telefon/E-mail
[REDACTED]	[REDACTED]	[REDACTED]

**Software**

Software Description/ Popis softwaru	License Type/ Typ licence	License Type/ Typ licence	Asset Flag/ Typ	Start Date/ Počátek licenčního období	End Date/ Ukončení licenčního období	Part Number/ Číslo produktu	Unit Price/ Jednotková cena	Qty/ Množství	Total Fee/ Celkové poplatky
MSC One Bundle - University - Maintenance Add-On (5000 Tokens)	Lease / Subscription	Local Network	New	01/01/2025	31/12/2025 12 months	30035-22004	[REDACTED]	[REDACTED]	€ 0,00

Total Quote Discount	€ 589.329,36
Total Net Lease Fees / Celkové čisté poplatky za pronájem	€ 0,00
Total Net Order Maintenance Fees / Celkové poplatky za údržbu	€ 4.876,64
Total Net Order Fees / Celkové smluvní poplatky	€ 4.876,64

Fees are due and Payable in EUR

**Hexagon MSC One Bundle - University Campaign / Hexagon MSC One Bundle - Univerzitní kampaň:**

The MSC One Bundle - University - Maintenance Add-On license (5000 tokens) is granted free for one (1) year. This period must coincide with the paid annual maintenance period for the university software. / Licence MSC One Bundle - University - Maintenance Add-On (5000 tokenů) je poskytována zdarma na jeden (1) rok. Toto období se musí shodovat s placenou roční údržbou univerzitního softwaru.

<b>Terms and Conditions</b>	<b>Obchodní podmínky</b>
<b>Change of name</b> MSC Software GmbH has changed its name to Hexagon Manufacturing Intelligence GmbH. Any references to MSC Software GmbH (MSC) in this or related documents shall mean Hexagon Manufacturing Intelligence GmbH (Hexagon).	<b>Změna jména</b> MSC Software GmbH změnila svůj název na Hexagon Manufacturing Intelligence GmbH. Jakékoli odkazy na MSC Software GmbH (MSC) v tomto nebo souvisejících dokumentech znamenají Hexagon Manufacturing Intelligence GmbH (Hexagon).
<b>Payment Terms</b> Fees are due and payable in EUR. Payment terms from the invoice date: 30 days from invoice date. Fees are exclusive of applicable taxes. Customer will be responsible for payment of applicable taxes. Customer's payment obligations under this Order Schedule are non-cancellable and the sums are non-refundable, except as expressly provided in the Hexagon Software License Agreement.	<b>Platební podmínky</b> Platby jsou splatné v EUR. Platební podmínky od data vystavení faktury: NET 30 . Poplatky jsou bez příslušných daní. Zákazník bude odpovědný za platbu příslušných daní. Platební povinnosti Zákazníka podle tohoto Rozpisu objednávky (Smlouvy) jsou nezrušitelné a částky jsou nevratné s výjimkou případů výslovně stanovených v Hexagon Rámcové licenční smlouvě na software.
<b>Please make Purchase Order out to:</b> Hexagon Manufacturing Intelligence GmbH A Hexagon company Parkring 3 85748 Garching b. München Germany	<b>Na kupní objednávce prosím uveďte následující adresu:</b> Hexagon Manufacturing Intelligence GmbH A Hexagon company Parkring 3 85748 Garching b. München Germany
<b>Submit Purchase Order to:</b> Email: [REDACTED] CC: [REDACTED]	<b>Kupní objednávku zašlete na:</b> Email: [REDACTED] CC: [REDACTED]
<b>License Agreement</b> This Order Schedule is subject to and incorporates by reference the terms and conditions of the online Hexagon Software License Agreement (EMEA - CZ - September 2023 Version). The online Hexagon Software License Agreement is available for review and printing at <a href="https://hexagon.com/legal/agreements/mi">https://hexagon.com/legal/agreements/mi</a> . Customer may also obtain a copy of the online Hexagon Software License Agreement by contacting Customer's Hexagon sales representative.	<b>Licenční smlouva</b> Tento Rozpis objednávky (Smlouva) podléhá a obsahuje odkazy na termíny a podmínky online Hexagon Rámcové licenční smlouvy na software (EMEA - CZ - September 2023 Version). Online Hexagon Rámcová licenční smlouva na software je umístěna k posouzení a vtištění na <a href="https://hexagon.com/legal/agreements/mi">https://hexagon.com/legal/agreements/mi</a> . Zákazník může také obdržet kopii online Rámcové licenční smlouvy na software prostřednictvím kontaktu obchodního zástupce Hexagon.
<b>Delivery</b> Hexagon will make the Software and Documentation available for electronic download. In such cases, the delivery date should be when the Software is made available to Customer electronically. Hexagon reserves the right to deliver the Software by physical shipment when Hexagon does not make electronic download or delivery available. Where physical shipment is made, delivery terms are f.c.a. (free carrier, Incoterms 2000) Shipping Point. Unless otherwise agreed to in writing by the parties, Hexagon will determine the method of physical shipment.	<b>Dodání</b> Hexagon zpřístupní Software a Dokumentaci k elektronickému stažení. V takových případech by mělo být datem dodání datum, kdy bude software elektronicky zpřístupněn Zákazníkovi. Společnost Hexagon si vyhrazuje právo doručit Software fyzicky, pokud společnost Hexagon nezpřístupní elektronické stahování ani doručení. V případě fyzické přepravy jsou dodací podmínky f.c.a. (free carrier, Incoterms 2000) Přepravní bod.

<p>An additional shipping and handling fee may apply to physical shipments.</p>	<p>Pokud se strany nedohodnou písemně jinak, určí Hexagon způsob fyzické přepravy. Na fyzické zásilky se může vztahovat dodatečný poplatek za dopravu a manipulaci.</p>
<p><b>Anti-piracy and License Compliance</b>        Customer acknowledges that the Software may contain a security and reporting mechanism (“Security Mechanism”) intended to automatically collect and transmit to Hexagon and its affiliates (and their contractors, representatives, successors and assigns) data relating to the installation and usage of the Software, for purposes of verifying user compliance with the terms of the applicable license agreement, identifying unauthorized use and users, and otherwise protecting and enforcing intellectual property rights. Data collected and transmitted through the Security Mechanism may include, without limitation, user, device, and network identification information such as, but not limited to, email address, username, hostname, MAC address, IP address, Wifi SSID, geolocation and organization domain information, as well as information on Software usage, including product name, version, and time and number of uses. For further information on Hexagon use and processing of personal data transmitted and collected through the Security Mechanism, see Hexagon online privacy statement, as may be updated from time to time, available at <a href="http://www.mscsoftware.com">www.mscsoftware.com</a> (or successor URL).</p>	<p><b>Protipirátská opatření a dodržování licenčních podmínek</b>        Zákazník bere na vědomí, že Software může obsahovat mechanismus zabezpečení a hlášení zpráv („Bezpečnostní mechanismus“) určený k automatickému shromažďování a přenosu dat společnosti Hexagon Corporation a jejím pobočkám (a jejich zástupcům, smluvním partnerům, nástupcům a přidruženým subjektům). Může se jednat o údaje ohledně instalace a použití Softwaru za účelem ověření souladu uživatelů s podmínkami příslušné licenční smlouvy, identifikace neoprávněného použití a uživatelů, a jiné ochrany a vymáhání práv duševního vlastnictví. Data shromažďovaná a přenášená prostřednictvím bezpečnostního mechanismu mohou jako taková, bez omezení, zahrnovat informace o uživateli, zařízení a síti, e-mailovou adresu, uživatelské jméno, jméno počítače, MAC adresu, IP adresu, Wifi SSID, geografickou lokalizaci a informaci o doméně organizace, jakož i informace o používání softwaru, včetně názvu produktu, verze a času a počtu použití. Další informace o používání a zpracování osobních údajů společností Hexagon přenášených a shromažďovaných prostřednictvím Bezpečnostního mechanismu naleznete v online prohlášení o ochraně osobních údajů společnosti Hexagon, které může být čas od času aktualizováno, dostupné na adrese <a href="http://www.mscsoftware.com">www.mscsoftware.com</a> (nebo nástupnické adrese URL).</p>
<p><b>Miscellaneous</b>        If a Software license is migrated or upgraded, the old license is deemed to have automatically terminated and Customer no longer has any right to use the terminated licenses. In the event of a conflict between the terms of this Order Schedule and the Hexagon Software License Agreement, the terms of this Order Schedule prevail with respect to this order. If Customer issues a purchase order or other instrument covering Software, Maintenance and/or Services provided under or in connection with this Order Schedule (including any subsequent Maintenance or Lease renewals under any auto-renewal provision hereunder), it is expressly agreed that the terms of this Order Schedule (and MSC Software License Agreement) supersede any conflicting or additional terms in such purchase order or other customer-issued instrument.</p>	<p><b>Ostatní/Různé</b>        Pokud dojde k migraci nebo ugrade softwarové licence, má se za to, že původní licence byla automaticky ukončena a Zákazník již nemá žádné právo používat ukončenou licenci. V případě rozporu mezi podmínkami uvedenými v tomto Rozpisu objednávky (Smlouvě) a Hexagon Rámcovou licenční smlouvou na software mají přednost podmínky tohoto Rozpisu objednávky (Smlouvy). Pokud Zákazník vystaví objednávku nebo jiný nástroj, kterým objednává Software, Údržbu a/nebo Služby poskytované na základě nebo v souvislosti s tímto Rozpisem objednávky (Smlouvou) (včetně jakékoli následné údržby nebo obnovy pronájmu podle jakéhokoli ustanovení o automatické obnově), je výslovně dohodnuto, že podmínky tohoto Rozpisu objednávky (Smlouvy) (a MSC Rámcové licenční smlouvy na software) nahrazují jakékoli rozporné nebo dodatečné podmínky v takové objednávce nebo jiném nástroji vydaném Zákazníkem.</p>
<p><b>Fixed end terms</b>        Notwithstanding anything to the contrary in the Hexagon Software License Agreement, any maintenance or lease</p>	<p><b>Pevné datum ukončení</b>        Bez ohledu na to, zda Hexagon Rámcová licenční smlouva na software stanovuje jinak, budou jakákoliv Údržba nebo Pronájem pořízené na základě tohoto Rozpisu objednávky</p>



acquired under this Order Schedule shall expire at the end of the term and is not subject to auto-renewal.	(Smlouvy) ukončeny k datu ukončení licenčního období a nebudou nepodléhat automatickému obnovení.
<b>Academic use of the Software</b> <b>Use of the Software:</b> The Software mentioned in the Order Schedule is explicitly for Non-Commercial use: Non-Commercial use of the Software is the use of the same for demonstration and testing purposes as well as for research and teaching. The use of the Software for research and testing in this connection shall be purely for educational purposes (e.g. by universities, higher education institutions).	<b>Akademické použití software</b> <b>Použití software:</b> Software uvedený v Rozpisu objednávky (Smlouvě) je výslovně pro nekomerční použití: nekomerční použití softwaru je použití jak pro demonstrační a testovací účely, tak pro výzkum a výuku. Použití softwaru pro výzkumné a testovací účely musí být v této souvislosti čistě pro vzdělávací účely (např. univerzity, vysoké školy).
<b>Academic Course Usage Information</b> Customer agrees to provide planned course usage information by completing the web-based form available at <a href="http://web.mscsoftware.com/university/course_usage.cfm">http://web.mscsoftware.com/university/course_usage.cfm</a> . The Course Number and Title is required for each course utilizing the Software in this Order Schedule.	<b>Informace o využití v akademické výuce</b> Zákazník souhlasí s poskytnutím informací o plánovaném využití ve výuce vyplněním webového formuláře dostupného na adrese <a href="http://web.mscsoftware.com/university/course_usage.cfm">http://web.mscsoftware.com/university/course_usage.cfm</a> . Číslo a název výuky/kurzu jsou vyžadovány pro každou výuku/kurz, ve které je využíván software uvedený v tomto Rozpisu objednávky (Smlouvě).
<b>Signature</b> Any Order Schedule may be concluded in writing, text form or electronic form, including by PDF versions. Any Order Schedule may be executed in multiple counterparts, each of which counterpart is to be considered an original.	<b>Podpis</b> Jakýkoliv Rozpis objednávky (Smlouva) může být uzavřen v písemném, textovém formátu nebo v elektronickém formátu včetně verzí PDF. Jakýkoliv Rozpis objednávky (Smlouva) může být vyhotoven ve více stejnopisech, přičemž každý z těchto stejnopisů bude považován za originál.
<b>Language</b> In case of deviations between the Czech language and English language version, the English language version shall prevail.	<b>Jazyk</b> V případě odchylek mezi českou a anglickou verzí platí anglická verze.

This Order Schedule shall become a binding Customer order upon execution by Customer and MSC. /

Tento Rozpis objednávky se stane závaznou objednávkou (smlouvou) Zákazníka po zpracování Zákazníkem a MSC.

<b>CUSTOMER / Zákazník</b>	Hexagon Manufacturing Intelligence GmbH (Hexagon)
(Authorized Signature / Podpis oprávněné osoby)	(Authorized Signature / Podpis oprávněné osoby)
Name / Jméno:	Name / Jméno:
Title / Funkce:	Title / Funkce:
Date / Datum:	Date / Datum:
<b>Order Schedule issued by / Rozpis objednávky vypracoval/a:</b>  Sales Administrator	<b>Order Schedule Number / Rozpis objednávky (Smlouva) č. : RE003750VSB-MA-A20-Fusek</b>

## MSCOne Addendum

The terms and conditions of this MSCOne Addendum (“Terms”) apply when a Customer licenses Software under MSCOne (including MSCOne StartEdition and MSCOne for Manufacturing). These Terms are in addition to, and not in lieu of, the terms and conditions of the Hexagon’s software license agreement (and any amendments thereto) entered into by Hexagon Manufacturing Intelligence, Inc., and Customer (the “Agreement”). Unless otherwise defined in this Addendum, capitalized terms shall have the same meaning as in the Agreement.

1. **MSCOne Tokens:** With MSCOne Tokens (hereinafter, “Tokens”), Customer may access multiple Software applications made available to Customer under MSCOne. A specified number of Tokens is required to run each concurrent execution of a software application made available under MSCOne. The specified number of Tokens is “checked out” from Customer’s pool of Tokens for each use of the software application and “checked in” to Customer’s Token-pool after usage. From time to time, Hexagon may change its MSCOne offering (e.g., add, remove, and/or repackage software applications and/or change Token requirements within MSCOne) and revise its MSCOne Token Table to reflect the then-current MSCOne offering marketed by Hexagon. Changes to the MSCOne offering will not apply to Customer’s then-existing MSCOne Subscription term (if any), unless otherwise agreed upon by Hexagon and Customer (including as permitted under Section 2.1 below).
2. **Licensed Software:** Software licensed by Customer under MSCOne, together with the corresponding Token requirements, are as set forth in the MSCOne Token Table made part of the relevant Order Schedule or Agreement (“Applicable Token Table”). The then-current MSCOne Token Table is typically incorporated, by reference or attachment, into each Order Schedule for MSCOne Tokens, and if no MSCOne Token Table is referenced or attached to an Order Schedule for MSCOne Tokens, then the then-current MSCOne Token Table at the time of processing the relevant Order Schedule shall be deemed the Applicable Token Table.
  - 2.1 Additionally, to reduce administrative burden, Customer agrees that Hexagon may replace or update the Applicable Token Table as follows:
    - a. **Replacing the Applicable Token Table at the time of Processing Order/Issuing Authorization Code.** In connection with any of the following: (i) the processing of MSCOne orders; or (ii) issuing of authorization codes for auto-renewals or multi-year Subscriptions of MSCOne; or (iii) issuing replacement authorization codes for MSCOne in connection with license server changes; Hexagon may replace any prior Applicable Token Table(s) with the then-current MSCOne Token Table by delivering, or causing to be delivered, to Customer an electronic copy of the then-current MSCOne Token Table together with the corresponding authorization codes.
    - b. **Adding Software Applications to MSCOne during a Subscription Term.** From time to time, Hexagon may, in its sole discretion, make additional software application(s) available under its MSCOne offering. To the extent Hexagon decides to make such additional Software application(s) available to MSCOne customers during their then-existing Subscription terms, Hexagon may electronically notify MSCOne customers of the availability of the additional software applications under MSCOne, and make available for download on the Hexagon’s software delivery site such additional software applications (and related temporary authorization codes) for use by MSCOne customers within the limits of each customer’s Token pool. Any such temporary authorization codes will be issued in accordance with Hexagon’s then-current policy and may be issued for 90 days or less at a time. By downloading, installing, or otherwise using such additional software application(s) (and/or related authorization codes) expressly authorized under MSCOne, Customer agrees that said additional software applications are subject to these Terms and the terms and conditions of the Agreement, including the geographical access limitations applicable to the relevant Tokens, the Token requirements assigned by Hexagon to the additional software application(s), as well as any additional terms (including online or electronic terms) presented by Hexagon in connection with the relevant additional software application(s).
  - 2.2 Customer acknowledges and agrees that it has not relied on, and will not rely on, the availability of (i) any future version of Software or (ii) any future additional software application(s), in entering into any MSCOne order or the Agreement. Customer further acknowledges and agrees that no Hexagon or Hexagon affiliate account representative, employee, agent, or reseller is authorized to make any representation or commitment relating to the availability of either future versions of Software, or future additional software application(s), under MSCOne. Future versions of Software are made available only on a “when and if available” basis.
3. **Automated Usage Reporting:** Customer agrees to promptly install the latest available Hexagon-provided usage reporting tool (together with any accompanying Hexagon license manager software), and shall enable automatic usage reporting to allow periodic (e.g., daily) automatic transmission of usage reports to a Hexagon-designated data repository. Usage reports will contain Customer usage information (as described in the accompanying usage reporting documentation), on Software made available under MSCOne. Customer shall not block or otherwise hinder transmission of reporting or alter usage reports generated by such usage reporting tool. Usage reports are the property of Hexagon Manufacturing Intelligence, Inc. Upon request, Customer will promptly provide Hexagon with updated contact information for Customer’s usage reporting contact.
4. **Other:** Software applications and features may have dependencies and prerequisites. For avoidance of doubt, all restrictions and limitations in the Agreement shall apply, including without limitation, restrictions on authorized users, usage, the Lease/Subscription term, and the geographical access limitations on licenses. MSCOne is licensed as a Lease License (also sometimes referred to as an MSCOne “Subscription”); MSCOne is not available under a Paid-Up or perpetual License.
5. **Additional MSCOne StartEdition Terms:** The following additional terms and restrictions apply when Customer licenses Software under the MSCOne StartEdition (the “StartEdition”): Where Customer acquires Tokens under the StartEdition, all above references to MSCOne shall be deemed MSCOne StartEdition, and all above references to the MSCOne Token Table shall be deemed MSCOne StartEdition Token Table. StartEdition Tokens are available only on a Nodelocked basis – limited to one target ID for the 1-User offering, and two target IDs for the 2-User offering. The total number of StartEdition Tokens available for order by any one Customer is limited.

**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 <sup>st</sup> – 4 <sup>th</sup> units	12
14007	Actran GPU 5 <sup>th</sup> – 8 <sup>th</sup> units	12
14007	Actran GPU 9 <sup>th</sup> – 16 <sup>th</sup> units	12
14007	Actran GPU 17 <sup>th</sup> – 28 <sup>th</sup> units	12
14007	Actran GPU 29 <sup>th</sup> through 64 <sup>th</sup> units	1 per core
14007	Actran GPU 65 <sup>th</sup> and above units	0
14008	Actran Green	0*
14013	Actran Level3	0*
14014	Actran Parallel 2 <sup>nd</sup> – 4 <sup>th</sup> cores	12
14014	Actran Parallel 5 <sup>th</sup> – 8 <sup>th</sup> cores	12
14014	Actran Parallel 9 <sup>th</sup> – 16 <sup>th</sup> cores	12

PID	Product Module	Tokens
14014	Actran Parallel 17 <sup>th</sup> – 28 <sup>th</sup> cores	12
14014	Actran Parallel 29 <sup>th</sup> through 64 <sup>th</sup> cores	1 per core
14014	Actran Parallel 65 <sup>th</sup> 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*

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*

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

PID	Product Module	Tokens
14608	SC/Tetra Solver Base with up to 2-Cores	18
14609	SC/Tetra Solver cores 3 and 4	8
14609	SC/Tetra Solver cores 5 through 8	10
14609	SC/Tetra Solver cores 9 through 16	6
14609	SC/Tetra 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	scFLOW Pre/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
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
14227	Digmat AM Solver	25

PID	Product Module	Tokens
14217/14209	Digmat Parallel 2 <sup>nd</sup> – 8 <sup>th</sup> cores	1
14217/14209	Digmat Parallel 9 <sup>th</sup> – 16 <sup>th</sup> cores	5
14217/14209	Digmat Parallel 17 <sup>th</sup> – 32 <sup>nd</sup> cores	5
14217/14209	Digmat Parallel 33 <sup>rd</sup> – 64 <sup>th</sup> cores	10
14217/14209	Digmat Parallel 65 <sup>th</sup> + 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

## Elements

PID	Product Module	Tokens
16701	Elements Base	7
16709	Elements Base Runtime	7
16708	Elements Add-Ons	7
16714	Elements Advanced FMU Generation	56
16715	Elements Simulink Block Generation	5
16716	Elements Source Code Generation	28
16702	Elements Battery Library	7
16710	Elements Battery Library Runtime	7

PID	Product Module	Tokens
16703	Elements Heat Transfer Library	7
16711	Elements Heat Transfer Library Runtime	7
16704	Elements DriveLine Library	7
16712	Elements DriveLine Library Runtime	7
16705	Elements Tire Library	7
16713	Elements Tire Library Runtime	7
16706	Elements Machinery Library	7
16707	Elements Machinery Library Runtime	7

## Easy5 in Elements

PID	Product Module	Tokens
10172	Easy5 Matlab Interface, Build	1
10168	Easy5 Model Building, Build	1
10178	Easy5 Gas Dynamics/Pneumatics, Build	3
10175	Easy5 Thermal Hydraulic, Basic, Build	2
10176	Easy5 Thermal Hydraulic, Advanced, Build	3
10180	Easy5 Multiphase Fluid, Build	3
10656	Easy5 Electrical Systems Library	3

PID	Product Module	Tokens
10278	Easy5 Analysis, Runtime	1
10281	Easy5 Matlab Interface, Runtime (for Easy5 2012 and earlier)	1
10263	Easy5 Model Building, Runtime	2
10244	Easy5 Gas Dynamic/Pneumatics, Runtime (for Easy5 2012 and earlier)	2
10242	Easy5 Thermal Hydraulic, Basic, Runtime (for Easy5 2012 and earlier)	1
10243	Easy5 Thermal Hydraulic, Advanced, Runtime (for Easy5 2012 and earlier)	2
10246	Easy5 Multiphase Fluid, Runtime (for Easy5 2012 and earlier)	2

**FTI FormingSuite**

PID	Product Module	Tokens
16136	FormingSuite COSTOPTIMIZER Advanced	33
16137	FormingSuite COSTOPTIMIZER Pro	38
16114	FormingSuite FAST INCREMENTAL 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 <sup>rd</sup> to 4 <sup>th</sup> per core	3 per core
4102	Marc Parallel - 5 <sup>th</sup> to 8 <sup>th</sup> per core	2 per core
4102	Marc Parallel - 9 <sup>th</sup> to 16 <sup>th</sup> per core	2 per core
4102	Marc Parallel - 17 <sup>th</sup> to 32 <sup>nd</sup> per core	1 per core
4102	Marc Parallel - 33 <sup>rd</sup> + 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	9
12002	MSCApex CAD Access Pack	0*

PID	Product Module	Tokens
12003	MSC Apex Structures	10

**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 Interface	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 Integration	Embedded
10002	MSC Nastran Connectors	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 Transfer	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-Based	18
10360	MSC Nastran Exterior Acoustics	15
10234	MSC Nastran Krylov Solver	8
10717	MSC Nastran Modules	5
10488	MSC Nastran Multi-Model Opt.	3
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	3
1020	MSC Nastran DMP	5
10735	MSC Nastran Parallel – 2 <sup>nd</sup> – 4 <sup>th</sup> cores	4
10735	MSC Nastran Parallel – 5 <sup>th</sup> – 8 <sup>th</sup> cores	3
10735	MSC Nastran Parallel – 9 <sup>th</sup> – 16 <sup>th</sup> cores	3
10735	MSC Nastran Parallel – 17 <sup>th</sup> – 32 <sup>nd</sup> cores	2
10735	MSC Nastran Parallel – 33 <sup>rd</sup> core and above	2
10614	MSC Nastran Digimat Interface	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-Cube	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 Preference	0*
722	Patran MSC Nastran Preference	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 Materials	3
10324	Patran Materials Enterprise	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 Interface	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	SimManager 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	SimManager 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	SimManager 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 Token Table 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.