

## RÁMCOVÁ KUPNÍ SMLOUVA

smlouva č. S17/164E

uzavřená dle ust. § 1746 odst. 2 a § 2079 a násl. zákona č. 89/2012 Sb., občanského zákoníku, v platném znění,  
(dále jen „Občanský zákoník“)

Níže uvedeného dne, měsíce a roku uzavřely následující smluvní strany:

- (1) **Fyzikální ústav AV ČR, v. v. i.**  
se sídlem: Na Slovance 2, 182 21 Praha 8  
IČO: 68378271  
DIČ: CZ68378271  
zastoupen: RNDr. Michaelem Prouzou, řed  
(dále jen „Kupující“)

a

- (2) **MIT, spol. s.r.o.**  
se sídlem: Klánova 71/56, 147 00 Praha 4  
IČO: 46348395  
DIČ: CZ46348395  
zastoupen: Martinem Moserem, jednatelem  
zapsaný v obchodním rejstříku vedeném Městským soudem v Praze oddíl C, vložka 10259  
(dále jen „Prodávající“).

(Kupující a Prodávající dále společně jen jako „smluvní strany“)

na základě výsledku zadávacího řízení k plnění veřejné zakázky s názvem: „Malá optika a optomechanika“ – 1. část veřejné zakázky (dále jen „Veřejná zakázka“) tuto

## RÁMCOVOU KUPNÍ SMLOUVU (dále jen „Smlouva“ nebo „Rámcová smlouva“)

### PREAMBULE

Tato Rámcová smlouva je uzavřena na základě výsledku shora označeného zadávacího řízení na Veřejnou zakázku, kdy cílem této Smlouvy bylo uzavřít rámcovou kupní smlouvu pouze s jedním dodavatelem, a to s účastníkem zadávacího řízení na Veřejnou zakázku, jehož nabídka bude v rámci daného zadávacího řízení Kupujícím, jakožto zadavatelem, vyhodnocena podle výsledku hodnocení nabídek jako ekonomicky nejvýhodnější.

### 1. PŘEDMĚT SMLOUVY

- 1.1 Předmětem této Rámcové smlouvy je úprava vzájemných vztahů mezi Kupujícím a Prodávajícím při dodávce nového a plně funkčního optického a optomechanického laboratorního vybavení pro experimentální programy Kupujícího, jež bude odpovídat technické specifikaci uvedené v Příloze č. 1 této Smlouvy, (dále jen „Předmět koupě“).
- 1.2 Prodávající se zavazuje po celou dobu účinnosti této Smlouvy dodávat Kupujícímu Předmět koupě, a to v množství a druhu, které vymezí Kupující na základě dílčích objednávek, a způsobem, který

stanoví tato Smlouva či dílčí objednávka Kupujícího. Prodávající zároveň bere na vědomí, že množství Předmětu koupě uváděné v cenové nabídce předložené Prodávajícím ve shora označeném zadávacím řízení na Veřejnou zakázku je toliko modelovou variantou předpokládaného odběru Předmětu koupě a Kupující není povinen celé stanovené množství odebrat.

1.3 Prodávající se zároveň zavazuje dodávat Předmět koupě za jednotkové ceny uvedené v jeho cenové nabídce, kdy tato cenová nabídka současně tvoří Přílohu č. 2 této Smlouvy, a Kupující se zavazuje za Předmět koupě dodaný mu řádně a včas na základě dílčí objednávky zaplatit Prodávajícímu Kupní cenu (jak je tento pojem definován níže).

1.4 Touto Smlouvou se Prodávající dále zavazuje vykonat na základě plnění každé dílčí objednávky i následující činnosti, jejichž cena je již zahrnuta v jednotkových cenách uvedených v Příloze č. 2 této Smlouvy, (dále jen „**Související činnosti**“):

- a) dopravit Předmět koupě do místa plnění;
- b) zpracovat a předat Kupujícímu instrukce a návody k obsluze a údržbě Předmětu koupě a veškerou další dokumentaci, která je nezbytná k převzetí a užívání Předmětu koupě a odpovídá požadavkům na dokumentaci dle Přílohy č. 1 této Smlouvy, a to v českém nebo anglickém jazyce, a to v elektronické podobě;
- c) předat prohlášení o shodě Předmětu koupě se schválenými standardy, jsou-li nějaké, a to v souladu s Přílohou č. 1 této Smlouvy;
- d) vypracovat seznam jednotlivých položek Předmětu koupě pro účely případné kontroly.

(Předmět koupě a Související činnosti dále společně také jako „**Předmět plnění**“.)

1.5 Prodávající se zavazuje, že pokud ke splnění požadavků Kupujícího vyplývajících z této Smlouvy, včetně jejích příloh, a k řádnému provozu Předmětu koupě budou potřebné i další dodávky a činnosti výslovně neuvedené v této Smlouvě, Prodávající takové dodávky a činnosti na své náklady obstará či provede, aniž by tím byla dotčena výše Kupní ceny (jak je tento pojem definován níže).

1.6 Pro případ, že by Prodávající nabídl Kupujícímu lepší technické parametry, než jsou uvedeny v Příloze č. 1 této Smlouvy, Kupující je oprávněn (nikoliv povinen) akceptovat tyto lepší technické parametry, přičemž případné využití těchto lepších technických parametrů pro účely této Smlouvy nebude mít žádný vliv na výši Kupní ceny.

## 2. DÍLČÍ OBJEDNÁVKY

2.1 Dílčí objednávky na dodávku Předmětu koupě budou vystavovány Kupujícím ve formě jednotlivých písemných objednávek na dodání části Předmětu koupě, přičemž každá dílčí objednávka bude obsahovat zejména číslo objednávky, identifikaci Kupujícího a Prodávajícího, specifikaci Předmětu koupě, který požaduje Kupující na základě dílčí objednávky dodat (přičemž dílčí dodávka zahrnuje i provedení Souvisejících činností), dále požadované množství Předmětu koupě, a případně (nikoliv nutně) i místo a dobu předání a převzetí, a dále datum vystavení dílčí objednávky. Objednávku Kupující doručí Prodávajícímu s tím, že tento obdržení dílčí objednávky písemně potvrdí a takto potvrzenou objednávku doručí zpět Kupujícímu, a to ve lhůtě pěti (5) dnů ode dne doručení objednávky Prodávajícímu. Potvrzením konkrétní dílčí objednávky je mezi smluvními stranami uzavřena dílčí kupní smlouvy ve smyslu ust. § 2079 a násl. Občanského

zákoníku.

- 2.2 Prodávající se zavazuje, že na základě dílčích objednávek v souladu s touto Rámcovou smlouvou Kupujícímu vždy dodá jím požadované množství Předmětu koupě, včetně provedení Souvisejících činností, v termínu dle ust. čl. 3 odst. 3.1 této Smlouvy a za jednotkové ceny uvedené v Příloze č. 2 této Rámcové smlouvy.

### 3. DOBA A MÍSTO PLNĚNÍ

- 3.1 Prodávající je povinen na základě dílčích objednávek dodat Předmět koupě Kupujícímu (včetně provedení Souvisejících činností) vždy řádně a v Kupujícím požadovaném množství, a to nejpozději do dvaceti (20) pracovních dnů ode dne doručení dílčí objednávky Kupujícího Prodávajícímu, nestanoví-li dílčí objednávka jiný termín plnění. Kupující přitom není povinen převzít Předmět koupě s vadami.
- 3.2 Prodávající se zavazuje nejpozději do 24 hodin před plánovaným dodáním objednaného Předmětu koupě vyzkoušet kontaktní osobu Kupujícího uvedenou na dílčí objednávce. Při řádném a včasném předání Předmětu koupě Kupujícímu, včetně provedení Souvisejících činností, bude na základě každé dílčí objednávky podepsán oprávněnými zástupci obou smluvních stran dodací list. Teprve podpisem dodacího listu oprávněnými zástupci smluvních stran se považuje Předmět koupě za řádně dodaný a Prodávajícímu vzniká právo na zaplacení příslušné Kupní ceny dle ust. čl. 5. odst. 5.1 této Smlouvy. V případě, že Prodávající poruší svou povinnost stanovenou ve větě první tohoto odstavce, je Kupující oprávněn odmítnout převzetí objednaného Předmětu koupě, přičemž v takovém případě se může Prodávající dostat do prodlení s plněním dle ust. odst. 3.1 věta první tohoto článku. Obdobně je Kupující oprávněn odmítnout převzít objednaný Předmět koupě, na kterém shledá vadu, nebo neprovede-li Prodávající řádně veškeré Související činnosti, s tím, že Prodávající je v takovém případě povinen zjednat nápravu nejpozději do pěti (5) pracovních dnů.
- 3.3 Místem plnění je mezinárodní laserové výzkumné centrum ELI Beamlines v Dolních Břežanech, na adrese: Za Radnicí 835, 252 41 Dolní Břežany.

### 4. VLASTNICKÉ PRÁVO

Riziko ztráty, zničení nebo poškození dodávaného Předmětu koupě nese až do okamžiku jeho převzetí Kupujícím, tj. až do okamžiku podpisu dodacího listu oprávněnými zástupci smluvních stran, Prodávající. Vlastnické právo k Předmětu koupě dodaného na základě dílčí objednávky nabývá Kupující tedy až podpisem dodacího listu.

### 5. KUPNÍ CENA A PLATEBNÍ PODMÍNKY

- 5.1 Celková kupní cena za dodání Předmětu koupě (včetně realizování Souvisejících činností) v rámci dílčí objednávky bude stanovena výhradně na základě jednotkových cen uvedených v Příloze č. 2 této Rámcové smlouvy a v rozsahu (množství) Předmětu koupě požadovaného a dodaného dle dílčích objednávek (dále jen „Kupní cena“). Jednotkové ceny budou přitom vždy odpovídat jednotkovým cenám uvedeným v Příloze č. 2 této Rámcové smlouvy, které byly obsaženy v cenové nabídce Prodávajícího vypracované jako součást nabídky v rámci zadávacího řízení na Veřejnou zakázku.
- 5.2 Jednotkové ceny dle Přílohy č. 2 této Smlouvy jsou maximální a nepřekročitelné, přičemž tyto

mohou být měněny pouze v důsledku změny zákonné sazby DPH, nestanoví-li tato Smlouva jinak. Jednotková cena v sobě zahrnuje veškeré náklady Prodávajícího spojené s plněním této Smlouvy, a to zejména veškeré náklady Prodávajícího na odevzdání Předmětu koupě a vykonání Souvisejících činností, náklady na případná autorská práva, případné pojištění, daně, cla, záruční servis a jakékoliv další náklady spojené s plněním této Smlouvy.

- 5.3 Kupní cena bude Kupujícím uhrazena Prodávajícímu v české měně na základě daňového dokladu (faktury), a to bezhotovostní platbou na účet Prodávajícího uvedený na daňovém dokladu (faktuře). Prodávající je oprávněn vystavit daňový doklad (fakturu) až po podpisu dodacího listu. Kopie smluvními stranami podepsaného dodacího listu musí být přílohou daňového dokladu (faktury).
- 5.4 Kupní cena bude uhrazena bez poskytování záloh.
- 5.5 Kupující je povinen řádně vystavené daňový doklad (fakturu) uhradit do 30 dnů ode dne jeho doručení. Daňový doklad (faktura) se považuje za uhrazený dnem odepsání fakturované částky z účtu Kupujícího ve prospěch účtu Prodávajícího.
- 5.6 Daňový doklad (faktura) vystavený Prodávajícím musí obsahovat náležitosti vyžadované právními předpisy České republiky pro daňový a účetní doklad. Daňové doklady (faktury) vystavené Prodávajícím podle této Smlouvy budou obsahovat zejména tyto údaje:
- a) firma (název) a sídlo Kupujícího,
  - b) daňové identifikační číslo Kupujícího,
  - c) firma (název) a sídlo Prodávajícího,
  - d) daňové identifikační číslo Prodávajícího,
  - e) evidenční číslo daňového dokladu,
  - f) rozsah a předmět plnění (včetně odkazu na tuto Smlouvu a dílčí objednávku),
  - g) den vystavení daňového dokladu (faktury),
  - h) datum uskutečnění plnění,
  - i) Kupní cenu,
  - j) evidenční číslo této Smlouvy, které Kupující sdělí na žádost Prodávajícímu před vystavením prvního daňového dokladu (faktury),
  - k) evidenční číslo dílčí objednávky,
  - l) prohlášení, že plnění je poskytováno pro účely projektu „ELI: EXTREME LIGHT INFRASTRUCTURE – fáze 2“, reg. č. CZ.02.1.01/0.0/0.0/15\_008/0000162,
- a dále musejí být v souladu s dohodami o zamezení dvojího zdanění, budou-li se tyto dohody na konkrétní případ vztahovat.
- 5.7 Prodávající bere na vědomí, že v případě požadavku Kupujícího bude přílohou daňového dokladu (faktury) rovněž i tabulka, ve které bude Kupní cena rozdělena do položek dle požadavku Kupujícího.
- 5.8 V případě, že daňový doklad (faktura) nebude mít výše uvedené náležitosti, nebo nebude obsahovat stanovenou přílohu (tj. kopii dodacího listu podepsaného oběma smluvními stranami), je Kupující oprávněn daňový doklad vrátit ve lhůtě splatnosti zpět Prodávajícímu, aniž se tak dostane do prodlení. Lhůta splatnosti počíná běžet znovu od opětovného doručení náležitě doplněného či opraveného daňového dokladu (faktury) Kupujícímu.
- 5.9 Prodávající dále bere na vědomí, že poslední daňový doklad (faktura) každého kalendářního roku musí být Prodávajícím doručen do podatelny Kupujícího nejpozději do 15. prosince daného

kalendářního roku.

- 5.10 Smluvní strany se dohodly, že Kupující je oprávněn započíst své pohledávky vzniklé na základě této Smlouvy (anebo vzniklé na základě dílčích kupních smluv) oproti pohledávce Prodávajícího na zaplacení Kupní ceny.

## 6. POVINNOSTI PRODÁVAJÍCÍHO

- 6.1 Prodávající je povinen zajistit, že Předmět koupě a Související činnosti budou v souladu s dílčí objednávkou, touto Smlouvou, včetně všech jejích příloh, a aplikovatelnými právními (např. bezpečnostními), technickými a kvalitativními předpisy a normami.
- 6.2 Při plnění této Smlouvy postupuje Prodávající samostatně, nestanoví-li tato Smlouva jinak. Obdrželi Prodávající od Kupujícího pokyny, je povinen se takovými pokyny řídit, pokud nejsou v rozporu s touto Smlouvou či obecně závaznými právními předpisy. Pokud Prodávající zjistí nebo při vynaložení odborné péče měl zjistit, že pokyny jsou z jakéhokoliv důvodu nevhodné nebo protiprávní nebo v rozporu s touto Smlouvou, je povinen Kupujícího neprodleně písemně upozornit.
- 6.3 Není-li v této Smlouvě stanoveno jinak, tak veškeré věci potřebné k plnění této Smlouvy je povinen opatřit Prodávající.
- 6.4 Předmět koupě musí být nový a nerepasovaný.
- 6.5 Prodávající bere na vědomí skutečnost, že Kupující nemá skladovací prostory pro uložení originálních obalů od Předmětu koupě a z tohoto důvodu není povinen tyto obaly skladovat.
- 6.6 Absence originálních obalů nemůže být důvodem pro odmítnutí odstranit vady Předmětu koupě.

## 7. ZÁRUKA

- 7.1 Prodávající deklaruje záruku za jakost Předmětu koupě dodaného Kupujícímu na základě konkrétní dílčí objednávky minimálně po dobu, která je uvedena v Příloze č. 1 (Technická specifikace) této Smlouvy, přičemž pokud bude na záručním listu či jiném dokumentu uvedena záruční doba delší než ta uvedená v této Smlouvě (potažmo v Příloze č. 1 této Smlouvy), platí tato delší záruční doba.
- 7.2 Záruční doba počíná běžet dnem předání a převzetí Předmětu koupě, tj. dnem podpisu dodacího listu oběma smluvními stranami.
- 7.3 Prodávající se zavazuje, že vady, které se vyskytnou v záruční době, bezplatně a ve lhůtách stanovených touto Smlouvou odstraní.
- 7.4 Zjistí-li Kupující vadu Předmětu koupě v době trvání záruční doby, oznámí tuto skutečnost bez zbytečného odkladu Prodávajícímu. Vady lze oznámit nejpozději v poslední den záruční doby, přičemž za řádně uplatněný nárok na odstranění vady se považuje i nárok Kupujícího uplatněný ve formě dopisu či emailové zprávy odeslané Prodávajícímu poslední den záruční doby.
- 7.5 Kupující oznamuje vady písemně nebo prostřednictvím emailové zprávy. Prodávající bude přijímat oznámení vad na emailové adrese servis@mit-laser.cz. Prodávající se zavazuje do dvou (2) pracovních dnů od okamžiku obdržení oznámení Kupujícímu potvrdit, že oznámení vad obdržel.

- 7.6 V oznámení Kupující uvede popis vady a způsob, jakým vadu požaduje odstranit. Kupující je oprávněn požadovat:
- odstranění vad dodáním nového Předmětu koupě nebo jeho jednotlivých částí, nebo
  - odstranění vad opravou, nebo
  - přiměřenou slevu z Kupní ceny.

Volba mezi výše uvedenými nároky z vad náleží Kupujícímu.

Současně se smluvní strany dohodly, že Kupující má právo na dodání nového Předmětu koupě i v případě odstranitelné vady, pokud nemůže Předmět koupě pro opakovaný výskyt vady po opravě nebo pro větší počet vad (rozumí se alespoň dvě vady na jednotlivém Předmětu koupě) řádně užívat. Za vadu přitom nelze považovat změnu (vlastnosti) jednotlivého Předmětu koupě, která vznikla v průběhu záruční doby v důsledku jeho běžného opotřebení, anebo nesprávného používání, nesprávné údržby či v důsledku neoprávněného zásahu nebo nevhodné manipulace, a to navzdory návodu či poučení poskytnutého Prodávajícím Kupujícího při předání Předmětu koupě, nebo v důsledku zásahu vyšší moci.

- 7.7 Prodávající se zavazuje odstranit vadu způsobem, jenž zvolil Kupující ve smyslu předchozího odstavce, nejpozději do deseti (10) pracovních dnů ode dne obdržení oznámení Kupujícího, nedohodnou-li se smluvní strany v jednotlivém případě písemně jinak. Neodstraní-li Prodávající vadu ve lhůtě dle předchozí věty, anebo oznámí-li Prodávající písemně Kupujícímu, že vadu neodstraní, má Kupující právo na zaplacení smluvní pokuty dle ust. čl. 9 této Smlouvy, přičemž je Kupující zároveň oprávněn od dílčí kupní smlouvy, jež vznikla na základě příslušné objednávky, odstoupit a požadovat vrácení Kupní ceny, anebo uplatnit vůči Prodávajícímu nárok na přiměřenou slevu z Kupní ceny.
- 7.8 Prodávající je povinen vadu odstranit ve lhůtách podle této Smlouvy, i když považuje oznámení o vadách za neoprávněné. V takovém případě je Prodávající oprávněn požadovat po Kupujícímu úhradu nákladů na odstranění takové vady. Vznikne-li mezi smluvními stranami spor o tom, zda je vada oprávněná či nikoliv, nechá Kupující zpracovat znalecký posudek, který posoudí, zda bylo oznámení vady oprávněné či nikoliv. V případě, že bude oznámení vad označeno znalcem za oprávněné, ponese Prodávající i náklady na vyhotovení znaleckého posudku. Prokáže-li se, že Kupující oznámil vadu neoprávněně, je Kupující povinen uhradit Prodávajícímu účelně a prokazatelně vynaložené náklady na odstranění vady.
- 7.9 O odstranění oznámené vady sepíší smluvní strany protokol, ve kterém popíší vadu a potvrdí její odstranění. O dobu, která uplyne ode dne oznámení vady do dne odstranění vady, se prodlužuje záruční doba, pokud po dobu trvání vady nemohl Kupující Předmět koupě či jeho jednotlivou část užívat.
- 7.10 V případě, že Prodávající neodstraní vadu ve stanovené lhůtě nebo pokud Prodávající odmítne vadu odstranit, je Kupující oprávněn nechat vadu odstranit na své náklady a Prodávající je povinen uhradit Kupujícímu jím vynaložené náklady na odstranění vady, a to do deseti (10) dnů poté, co jej k tomu Kupující vyzve.
- 7.11 Prodávající se zavazuje, pakliže to povaha vady Předmětu koupě umožňuje, zajistit pro účely odstraňování Kupujícími oznámených vad záruční servis Předmětu koupě v místě, kde se Předmět

koupě nachází, a to na vlastní náklady a na vlastní odpovědnost.

7.12 Smluvní strany vylučují použití ustanovení § 1925 Občanského zákoníku.

## 8. PROHLÁŠENÍ PRODÁVAJÍCÍHO

Prodávající prohlašuje a zaručuje Kupujícímu, že

- a) disponuje veškerými odbornými předpoklady potřebnými pro řádné plnění této Smlouvy;
- b) je k plnění této Smlouvy oprávněn;
- c) na straně Prodávajícího neexistují žádné překážky, které by mu bránily tuto Smlouvu řádně splnit.

## 9. SANKCE

- 9.1 V případě, že se Prodávající ocitne v prodlení s dodáním Předmětu koupě či jeho části, anebo v prodlení s provedením některé ze Souvisejících činností, tj. poruší povinnost poskytnout Předmět plnění či jeho část podle této Smlouvy řádně a včas, tedy v termínu dle ust. čl. 3 odst. 3.1 této Smlouvy, uhradí Prodávající Kupujícímu smluvní pokutu ve výši 1.000,- Kč za každý započatý den prodlení.
- 9.2 V případě, že Prodávající nezjedná nápravu v termínu podle ust. čl. 3 odst. 3.2 poslední věty této Smlouvy, uhradí Prodávající Kupujícímu smluvní pokutu ve výši 1.000,- Kč za každý započatý den prodlení se splněním některé z těchto povinností.
- 9.3 Smluvní pokuty je Prodávající povinen uhradit do patnácti (15) dnů ode dne, kdy mu Kupující oznámil, že nároky ze smluvních pokut uplatňuje. Uhrazením smluvní pokuty není dotčeno právo Kupujícího na náhradu případné škody, a to i v rozsahu, ve kterém tato škoda bude převyšovat smluvní pokutu. Smluvní pokuty dle této smlouvy lze kumulovat bez omezení.
- 9.4 Kupující je oprávněn jednostranně započíst pohledávky ze smluvních pokut proti pohledávce Prodávajícího na zaplacení Kupní ceny.

## 10. ODSTOUPENÍ

- 10.1 Tato Smlouva je uzavřena na dobu určitou, a to na dobu tří (3) let ode dne nabytí účinnosti této Smlouvy.
- 10.2 Rozsah plnění na základě této Rámcové smlouvy bude dán skutečnými potřebami Kupujícího a jeho finančními (rozpočtovými) možnostmi.
- 10.3 Kupující je oprávněn odstoupit od Smlouvy, nastane-li zejména některá z níže uvedených skutečností:
  - a) výdaje nebo část výdajů, které na základě této Smlouvy vzniknou, poskytovatel dotace, případně jiný kontrolní subjekt, označí za nezpůsobilé;
  - b) Prodávající se ocitne v prodlení se splněním některé jeho povinnosti dle této Smlouvy či

dílčí kupní smlouvy a toto prodlení trvá po dobu delší než dva (2) měsíce;

- c) Předmět koupě nebude splňovat některý z požadavků uvedený v dílčí objednávce nebo v této Smlouvě, zejména v Příloze č. 1 (Technické specifikaci) této Smlouvy;
  - d) Kupujícímu bude odňata finanční dotace k realizaci Projektu: „ELI: EXTREME LIGHT INFRASTRUCTURE – fáze 2“, reg. č. CZ.02.1.01/0.0/0.0/15\_008/0000162;
  - e) Projekt: „ELI: EXTREME LIGHT INFRASTRUCTURE – fáze 2“, reg. č. CZ.02.1.01/0.0/0.0/15\_008/0000162, bude ukončen;
  - f) proti Prodávajícímu bude zahájeno insolvenční řízení; nebo
  - g) vyjde-li najevo, že Prodávající uvedl ve své nabídce pro shora označenou Veřejnou zakázku informaci nebo doklad, které neodpovídají skutečnosti, a které měly nebo mohly mít vliv na výsledek zadávacího řízení, které vedlo k uzavření této Smlouvy.
- 10.4 Prodávající bere na vědomí, že důvody pro odstoupení od Smlouvy uvedené v této Rámcové smlouvě se analogicky použijí i pro právo Kupujícího na odstoupení od dílčích kupních smluv.
- 10.5 Odstoupením od této Smlouvy zanikají všechna práva a povinnosti smluvních stran z této Smlouvy. Odstoupení od Smlouvy se nedotýká nároku na náhradu škody, nároku na smluvní pokuty, a ty závazky smluvních stran, které dle Smlouvy nebo vzhledem ke své povaze mají trvat i nadále nebo u kterých tak stanoví zákon.

## 11. ZVLÁŠTNÍ USTANOVENÍ

- 11.1 Prodávající bere na vědomí, že je osobou povinnou spolupůsobit při výkonu finanční kontroly ve smyslu ust. § 2 písm. e) zákona č. 320/2001 Sb., o finanční kontrole ve veřejné správě a o změně některých zákonů, ve znění pozdějších předpisů, a zavazuje se poskytnout řídicímu orgánu Operačního programu Výzkum, vývoj a vzdělávání či jiným kontrolním orgánům přístup ke všem částem nabídky, smlouvy a dalších dokumentů, které souvisejí s právním vztahem založeným touto Smlouvou. Tato povinnost se vztahuje také na dokumenty, které podléhají ochraně podle zvláštních právních předpisů (obchodní tajemství, utajované skutečnosti apod.) za předpokladu, že ze strany kontrolního orgánu budou splněny požadavky kladené právními předpisy. Prodávající je povinen zajistit, aby kontrole ve výše uvedeném rozsahu byli povinni se podrobit i všichni jeho případní poddodavatelé. Možnost kontroly musí být zachována nejméně po dobu deseti (10) let ode dne nabytí účinnosti této Smlouvy.
- 11.2 Prodávající je povinen archivovat originální vyhotovení této Smlouvy, včetně jejích případných dodatků, originály daňových a účetních dokladů a všech dalších dokladů, jež souvisejí s realizací této Smlouvy, a to minimálně po dobu deseti (10) let ode dne nabytí účinnosti této Smlouvy.
- 11.3 Prodávající se zavazuje zajistit a financovat veškeré případné poddodavatelské práce či dodávky, které v rámci plnění této Smlouvy zadá, přičemž za jejich řádné a včasné provedení nese v plném rozsahu odpovědnost. V případě, že se Prodávající rozhodne využít za účelem plnění této Smlouvy poddodavatele, předloží Kupujícímu nejpozději ke dni uzavření této Smlouvy seznam všech případných poddodavatelů, přičemž jiný subjekt, než který bude uveden na odevzdaném seznamu Kupujícímu, není Prodávající bez předchozího písemného souhlasu Kupujícího oprávněn pověřit některým plněním podle této Smlouvy. V případě porušení této povinnosti je Kupující oprávněn



odstoupit od Smlouvy.

## 12. MLČENLIVOST

Smluvní strany se zavazují zachovávat mlčenlivost o skutečnostech, které se dozvědí v souvislosti s touto Smlouvou a jejím plněním a jejichž vyjádření by mohlo druhé smluvní straně způsobit újmu. Tímto nejsou dotčeny povinnosti Kupujícího vyplývající z právních předpisů.

## 13. ZÁSTUPCI SMLUVNÍCH STRAN

### 13.1 Pro komunikaci s Kupujícím v souvislosti s plněním této Smlouvy ustanovil Prodávající následující zástupce:

Ve věcech technických:

Jméno: Thomas Meier

E-mail: meier@mit-laser.cz

Tel.: 00420 777 708 931

Ve věcech smluvních:

Jméno: Martin Moser

E-mail: moser@mit-laser.cz

Tel.: 00420 777 708 930

### 13.2 Smluvní strany se dohodly, že pro vzájemnou komunikaci mezi nimi bude používána i elektronická pošta; ve věcech týkajících se změny či ukončení účinnosti této Smlouvy je ovšem nutné použít doručení prostřednictvím pošty, kurýrní služby či osobního předání příslušných listin.

## 14. ZÁVĚREČNÁ USTANOVENÍ

### 14.1 Tato Smlouva se řídí právním řádem České republiky, zejména Občanským zákoníkem.

### 14.2 Prodávající bere na vědomí, že Kupující, jehož hlavním předmětem činnosti je provádění výzkumu a vývoje v oblasti fyzikálních věd, je příjemcem dotace pro projekt „ELI: EXTREME LIGHT INFRASTRUCTURE – fáze 2“, reg. č. CZ.02.1.01/0.0/0.0/15\_008/0000162, v rámci operačního programu Výzkum, vývoj a vzdělávání, přičemž Kupující je povinen jakožto příjemce dotace dodržovat v rámci příslušného operačního programu veškeré jemu poskytovatelem dotace uložené povinnosti, včetně dodržování požadavků na publicitu.

### 14.3 Veškeré spory vzniklé z této Smlouvy či z právních vztahů s ní souvisejících budou Smluvní strany řešit jednáním. V případě, že nebude možné spor urovnat jednáním ve lhůtě šedesáti (60) dnů, bude takový spor rozhodnut na návrh jedné ze smluvních stran příslušným soudem v České republice.

### 14.4 Prodávající na sebe bere nebezpečí změny okolností ve smyslu ustanovení § 1765 Občanského

zákoníku.

- 14.5 Prodávající bere na vědomí, že Kupující není ve vztahu k předmětu této Smlouvy podnikatelem, a že se ani Předmět plnění dle této Smlouvy netýká podnikatelské činnosti Kupujícího.
- 14.6 Prodávající není oprávněn započíst jakoukoliv svou pohledávku, ani jakoukoliv pohledávku svého poddlužníka, za Kupujícím proti pohledávce Kupujícího za Prodávajícím. Prodávající není oprávněn postoupit pohledávku, která mu vznikne na základě této Smlouvy nebo v souvislosti s ní na třetí osobu. Prodávající není oprávněn postoupit práva a povinnosti z této Smlouvy ani z její části třetí osobě.
- 14.7 Veškeré změny či doplnění této Smlouvy lze učinit pouze písemně.
- 14.8 Ukáže-li se, že některé ustanovení této Smlouvy je nebo se stalo neplatným či neúčinným, zavazují se smluvní strany změnit tuto Smlouvu tak, aby neplatné či neúčinné ustanovení bylo nahrazeno novým ustanovením, které je platné a účinné a přitom obsahově v maximální možné míře odpovídá původnímu neplatnému či neúčinnému ustanovení.
- 14.9 Poruší-li smluvní strana povinnost podle této Smlouvy či může-li a má-li o takovém porušení vědět, oznámí to bez zbytečného odkladu druhé smluvní straně a upozorní ji na možné následky porušení takové povinnosti.
- 14.10 Tato Smlouva se vyhotovuje ve čtyřech (4) stejnopisech, přičemž každá ze smluvních stran obdrží po dvou (2) stejnopisech.
- 14.11 Nedílnou součástí této Smlouvy je i Příloha 1 (Technická specifikace), která je tvořena technickou specifikací Kupujícího, která byla součástí zadávací dokumentace pro Veřejnou zakázku, a technickou specifikací Prodávajícího, která byla součástí nabídky Prodávajícího pro Veřejnou zakázku. Obsahuje-li technická specifikace Kupujícího a Prodávajícího různé údaje či skutečnosti, je Prodávající povinen splnit přísnější požadavek. V případě pochybností Kupující rozhodne o tom, co je považováno za přísnější požadavek. V případě rozporu mezi ustanoveními této Smlouvy a ustanoveními Přílohy 1 (Technická specifikace) mají přednost ustanovení této Smlouvy.

Nedílnou součástí této Smlouvy je rovněž Příloha č. 2 (Cenová nabídka Prodávajícího).

- 14.12 Tato Smlouva nabývá platnosti a účinnosti dnem podpisu obou smluvních stran. Smluvní strany souhlasí s uveřejněním této Smlouvy v registru smluv, stejně tak jako dílčích objednávek realizovaných v souladu s touto Smlouvou s hodnotou nad 50.000,- Kč bez DPH dle požadavku zákona č. 340/2015 Sb., o registru smluv, a to včetně všech údajů ve Smlouvě uvedených. Zákonné důvody pro případné neuveřejnění některého údaje z této Smlouvy se Prodávající zavazuje prokázat Kupujícímu nejpozději při uzavření této Smlouvy.

V případě, že Smlouva není podepisována smluvními stranami současně, zavazuje se každá ze smluvních stran odeslat podepsanou Smlouvu další smluvní straně bezodkladně po svém podpisu Smlouvy.

NA DŮKAZ ČEHOŽ připojují smluvní strany vlastnoruční podpisy:

**Kupující**

**Prodávající**

Podpis: M. Prouza

Jméno: RNDr. Michael Prouza, Ph.D.

Funkce: ředitel

Datum: 29. 08. 2017

Podpis: M. Moser

Jméno: Martin Moser

Funkce: jednatel

Datum: 31.8.2017

Fyzikální ústav AV ČR  
veřejná výzkumná instituce  
182 21 Praha 8, Na Slovance 2  
- 1 -



Lasery, fotonika  
a jemná mechanika

MIT spol. s r.o., Klánova 56, 147 00 Praha 4

**PŘÍLOHA 1**  
**TECHNICKÁ SPECIFIKACE**

Příloha č. 1 TECHNICKÁ SPECIFIKACE

Číslo položky	Název položky	Popis položky	Záruční doba (v měsících)	Předpokládaný počet kusů
1	Optical Windows	Fused Silica, Thickness 5-15 mm, diameter 2", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 5$ arcsec.	2	10
2	Optical windows	Fused Silica, Thickness 10-20 mm, diameter 4", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 10$ arcsec.	2	15
3	Protected silver coating mirror 1"	Substrate fused silica. Diameter=1", Diameter tolerance $+0.0$ mm / $-0.1$ mm. Thickness 6 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture $> 90\%$ of diameter. Surface quality 40-20 scratch-Dig. Parallelism $< 3$ arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\varnothing 1.000$ mm. Avg. reflectance $> 97.5\%$ for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	50
4	Protected silver coating mirror 2"	Substrate fused silica. Diameter=2", Diameter tolerance $+0.0$ mm / $-0.1$ mm. Thickness 12 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture $> 90\%$ of diameter. Surface quality 40-20 scratch-Dig. Parallelism $< 3$ arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\varnothing 1.000$ mm. Avg. reflectance $> 97.5\%$ for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	65
5	Protected silver coating mirror 4"	Substrate fused silica. Diameter=4", Diameter tolerance $+0.0$ mm / $-0.1$ mm. Thickness 19.1 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture $> 90\%$ of diameter. Surface quality 40-20 scratch-Dig. Parallelism $< 3$ arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\varnothing 1.000$ mm. Avg. reflectance $> 97.5\%$ for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	40
6	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: $+0/-0.25$ mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R $> 99.0\%$ from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10
7	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: $+0/-0.25$ mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R $> 99.0\%$ from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10

8	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10
9	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10
10	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10
11	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 740 – 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10
12	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10
13	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 8.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10
14	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10

15	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10
16	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 8.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10
17	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: +0/-0.25 mm; Wavelength range 720 – 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: <3 min; Clear Aperture: $\geq 85\%$ of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10
18	Achromatic doublet lens 1"	Focal length: 100 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 1"; Diameter Tolerance: +0.00/-0.10 mm; Focal Length Tolerance: $\pm 1\%$ ; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: $3\lambda/2$ ; Spherical Surface Irregularity (Peak to Valley): $\lambda/4$ ; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm <sup>2</sup> (810 nm, 10 ns Pulse, 10 Hz, $\varnothing 0.155$ mm).	2	8
19	Achromatic doublet lens 1"	Focal length: 200 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 1"; Diameter Tolerance: +0.00/-0.10 mm; Focal Length Tolerance: $\pm 1\%$ ; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: $3\lambda/2$ ; Spherical Surface Irregularity (Peak to Valley): $\lambda/4$ ; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm <sup>2</sup> (810 nm, 10 ns Pulse, 10 Hz, $\varnothing 0.155$ mm).	2	8
20	Achromatic doublet lens 1"	Focal length: 300 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 1"; Diameter Tolerance: +0.00/-0.10 mm; Focal Length Tolerance: $\pm 1\%$ ; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: $3\lambda/2$ ; Spherical Surface Irregularity (Peak to Valley): $\lambda/4$ ; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm <sup>2</sup> (810 nm, 10 ns Pulse, 10 Hz, $\varnothing 0.155$ mm).	2	8
21	Achromatic doublet lens 1"	Focal length: 400 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 1"; Diameter Tolerance: +0.00/-0.10 mm; Focal Length Tolerance: $\pm 1\%$ ; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: $3\lambda/2$ ; Spherical Surface Irregularity (Peak to Valley): $\lambda/4$ ; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm <sup>2</sup> (810 nm, 10 ns Pulse, 10 Hz, $\varnothing 0.155$ mm).	2	8

22	Achromatic doublet lens 1"	Focal length: 500 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 1"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
23	Achromatic doublet lens 2"	Focal length: 100 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
24	Achromatic doublet lens 2"	Focal length: 200 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
25	Achromatic doublet lens 2"	Focal length: 300 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
26	Achromatic doublet lens 2"	Focal length: 400 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
27	Achromatic doublet lens 2"	Focal length: 500mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8



28	Achromatic doublet lens 2"	Focal length: 750 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
29	Achromatic doublet lens 2"	Focal length: 1000 mm; Design Wavelengths: 855 nm; AR Coating Range: 650 - 1050 nm; Reflectance over AR Coating Range (0° AOI) Ravg < 0.5%; Diameter 2"; Diameter Tolerance:+0.00/-0.10 mm; Focal Length Tolerance: ±1%; Surface Quality: 40-20 Scratch-Dig; Spherical Surface Power: 3λ/2; Spherical Surface Irregularity (Peak to Valley): λ/4; Centration: <3 arcmin; Clear Aperture: >90% of Diameter; Damage Threshold: 5.0 J/cm2 (810 nm, 10 ns Pulse, 10 Hz, Ø0.155 mm).	2	8
30	Cube Polarizers	Dimensions 1.0" x 1.0" x 1.0". Thickness Tolerance ±0.254 mm. Broadband coating 620 - 1000 nm. Polarizer cube separation angle 90°. Surface Accuracy ≤λ/4 at 632.8 nm over the clear aperture. AR coating on the 4 faces. Efficiency Tp>80% Rs>99.5%. Extinction ratio>500:1. Transmitted beam deviation ≤5 arc min. Surface Quality 20-10 scratch-dig.	2	4
31	Wollaston prism	Diameter=1"; Material: Optical Grade Calcite; Wavelength Range: 350-2300 nm; AR coated for 650 to 1000 nm; Surface Quality: 20-10; Extinction Ratio: Tp/Ts > 100,000:1	2	4
32	Neutral density filter 1"	OD=0.1; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
33	Neutral density filter 1"	OD=0.3; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
34	Neutral density filter 1"	OD=0.5; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
35	Neutral density filter 1"	OD=1; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
36	Neutral density filter 1"	OD=2; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
37	Neutral density filter 1"	OD=3; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
38	Neutral density filter 1"	OD=4; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): λ/4; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15

39	Neutral density filter 1"	OD=5; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
40	Neutral density filter 1"	OD=6; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
41	Neutral density filter 2"	OD=0.1; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
42	Neutral density filter 2"	OD=0.3; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
43	Neutral density filter 2"	OD=0.5; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
44	Neutral density filter 2"	OD=1; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
45	Neutral density filter 2"	OD=2; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	15
46	Neutral density filter 2"	OD=3; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	17
47	Neutral density filter 2"	OD=4; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	17
48	Neutral density filter 2"	OD=5; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	17
49	Neutral density filter 2"	OD=6; Diameter=2"; Diameter Tolerance: +0.5 / -0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec.	2	17
50	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=0.1; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec, AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
51	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=0.3; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec, AR-Coated Neutral Density Filter, 650-1050 nm.	2	15

52	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=0.5; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec, AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
53	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=1; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
54	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=2; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
55	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=3; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
56	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=4; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
57	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=5; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
58	Neutral density filter 1"; AR-Coated Neutral Density Filter, 650-1050 nm	OD=6; Diameter: 25.0 mm; Diameter Tolerance: +0.5 / - 0.25 mm; Clear Aperture: >90% Outer Diameter; Ravg (350 - 700 nm): <0.5%; Surface Flatness (@ 633 nm): $\lambda/4$ ; Surface Quality: 40-20 Scratch-Dig; Parallelism: 10 arcsec; AR-Coated Neutral Density Filter, 650-1050 nm.	2	15
59	BeamSplitters 50/50, 2"	Diameter=2". Split: T= 50%, R=50% , operating range 600 - 1000 nm. Thickness < 5 mm. Angle of incidence 45 deg. 20-10 scratch dig. Parallelism <5 arcmin. Surface flatness $\lambda/4$ or better.	2	6
60	BeamSplitters 20/80, 2"	Diameter=2". Split: T= 20%, R=80% , operating range 600 - 1000 nm. Thickness < 5 mm. Angle of incidence 45 deg. 20-10 scratch dig. Parallelism <5 arcmin. Surface flatness $\lambda/4$ or better.	2	3
61	BeamSplitters 80/20, 2"	Diameter=2". Split: T= 80%, R=20% , operating range 600 - 1000 nm. Thickness < 5 mm. Angle of incidence 45 deg. 20-10 scratch dig. Parallelism <5 arcmin. Surface flatness $\lambda/4$ or better.	2	3

62	BeamSplitters 50/50, 2"	Split Ratio (R:T) 50:50; Diameter=2"; Diameter Tolerance +0.0 mm / - 0.2 mm; Center Thickness 8 mm; Thickness Tolerance $\pm 0.4$ mm; Surface Flatness (Peak to Valley) $\lambda/10$ @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance $\pm 10$ arcmin; Damage Threshold 1 J/cm <sup>2</sup> ( $\phi 0.238$ mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture $> \phi 45.72$ mm; Polarization Relationship $ T_s - T_p  < 35\%$ and $ R_s - R_p  < 35\%$ at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	13
63	BeamSplitters 10/90, 2"	Split Ratio (R:T) 10:90; Diameter=2"; Diameter Tolerance +0.0 mm / - 0.2 mm; Center Thickness 8 mm; Thickness Tolerance $\pm 0.4$ mm; Surface Flatness (Peak to Valley) $\lambda/10$ @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance $\pm 10$ arcmin; Damage Threshold 1 J/cm <sup>2</sup> ( $\phi 0.238$ mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture $> \phi 45.72$ mm; Polarization Relationship $ T_s - T_p  < 35\%$ and $ R_s - R_p  < 35\%$ at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	6
64	BeamSplitters 30/70, 2"	Split Ratio (R:T) 30:70; Diameter=2"; Diameter Tolerance +0.0 mm / - 0.2 mm; Center Thickness 8 mm; Thickness Tolerance $\pm 0.4$ mm; Surface Flatness (Peak to Valley) $\lambda/10$ @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance $\pm 10$ arcmin; Damage Threshold 1 J/cm <sup>2</sup> ( $\phi 0.238$ mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture $> \phi 45.72$ mm; Polarization Relationship $ T_s - T_p  < 35\%$ and $ R_s - R_p  < 35\%$ at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	3
65	BeamSplitters 90/10, 2"	Split Ratio (R:T) 90:10; Diameter=2"; Diameter Tolerance +0.0 mm / - 0.2 mm; Center Thickness 8 mm; Thickness Tolerance $\pm 0.4$ mm; Surface Flatness (Peak to Valley) $\lambda/10$ @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance $\pm 10$ arcmin; Damage Threshold 1 J/cm <sup>2</sup> ( $\phi 0.238$ mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture $> \phi 45.72$ mm; Polarization Relationship $ T_s - T_p  < 35\%$ and $ R_s - R_p  < 35\%$ at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	3

66	BeamSplitters 70/30, 2"	Split Ratio (R:T) 70:30; Diameter=2"; Diameter Tolerance +0.0 mm / - 0.2 mm; Center Thickness 8 mm; Thickness Tolerance $\pm 0.4$ mm; Surface Flatness (Peak to Valley) $\lambda/10$ @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance $\pm 10$ arcmin; Damage Threshold 1 J/cm <sup>2</sup> ( $\phi 0.238$ mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture $> \phi 45.72$ mm; Polarization Relationship $ T_s - T_p  < 35\%$ and $ R_s - R_p  < 35\%$ at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	3
67	Half waveplate	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: $\lambda/2$ ; Diameter=2"; Material: Single crystal quartz; Optical axis normal to facet on circumference of retarder; Wavefront distortion $\lambda/10$ @633 nm Surface quality 20-10 scratch & dig ; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm <sup>2</sup> , 50 fsec pulse, 800nm typical.	2	8
68	Quarter waveplate	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: $\lambda/4$ ; Diameter=2"; Material: Single crystal quartz; Optical axis normal to facet on circumference of retarder; Wavefront distortion $\lambda/10$ @633 nm Surface quality 20-10 scratch & dig ; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm <sup>2</sup> , 50 fsec pulse, 800nm typical.	2	4
69	Camera objective	Imaging lens f=50 mm, F/1.8 with adapter to C mount.	2	5
70	Camera objective	Imaging lens f=70-300mm, F/4.0-5.6 with adapter to C mount.	2	5
71	Microscope objective	Infinity Corrected Design , magnification 40x, Numerical aperture 0.65, Wavelength Range: Visible.	2	11
72	Microscope objective	Infinity Corrected Design , magnification 20x, Numerical aperture 0.4, Wavelength Range: Visible.	2	11
73	Microscope objective	Infinity Corrected Design , magnification 10x, Numerical aperture 0.25, Wavelength Range: Visible.	2	10
74	Microscope objective	Infinity Corrected Design , magnification 4x, Numerical aperture 0.1, Wavelength Range: Visible.	2	10
75	Mirror mounts 1"	Optic Size: $\phi 1$ "; Optic Thickness (Min): 0.08" (2 mm); Number of Adjusters: 2; Adjuster Drive: Low-Profile 5/64" Hex; Adjuster Pitch: TPI100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 7 mrad/rev; Mechanical Angular Range (Nominal): $\pm 4^\circ$ ; Beam Deviation After Thermal Cycling (12.5°C): <2 $\mu$ rad; Mounting: M4; Vacuum Compatibility: $1.3 \times 10^{-5}$ mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.	12	40
76	Mirror mounts 2"	Optic Size: $\phi 2$ "; Optic Thickness (Min): 0.14" (3.5 mm); Number of Adjusters: 2; Adjuster Drive: 5/64" Hex; Adjuster Pitch: TPI100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 5 mrad/rev; Mechanical Angular Range (Nominal): $\pm 3.4^\circ$ ; Beam Deviation After Thermal Cycling (12.5°C): <2 $\mu$ rad; Mounting: M4; Vacuum Compatibility: $1.3 \times 10^{-5}$ mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.	12	40

77	Mirror mounts 4"	Optic Diameter: $\varnothing$ 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: +_4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: 1/4"-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored.	12	20
78	Mirror mounts 3"	Optic Diameter: $\varnothing$ 3"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.13"; Angular Adjustment: +_4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: 1/4"-80; Resolution: 5.0 mrad/rev; Clear Aperture: 2.82"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.	12	20
79	Mirror mounts 4"	Optic Diameter: $\varnothing$ 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: +_4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: 1/4"-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.	12	20
80	Waveplate holder	Optic diameter= 2". 360 degrees rotation. 1 deg sensitivity. (Must correspond with half wave and quarter wave plates size item 67 and 68).	12	12
81	Iris	Iris Diaphragm, Continuously Variable; Minimum aperture 5 mm $\pm$ 1 mm; Maximum aperture 100 mm $\pm$ 2 mm, Leaves material: High temperature alloy up to 1000 deg.	12	18
82	HeNe, Red 633 nm	HeNe Laser, 632.8 nm, Output power >20 mW, Polarized, 230 VAC Power Supply Included, TEM00 >95%, 1/e2 Beam Diameter: 0.7 mm; Divergence: < 2 mrad (full beam), Polarization Ratio 500:1; Holder includet -2x Post V clamp with 1.5" Dynamically Damped Post, 14" Long, Metric.	12	3
83	Beam expander	Laser beam expander system 25x must fit with HeNe red laser (see line above), spatial filtering included.	2	2
84	Laser Diode Modules	Wavelength 405 nm, Output Power >4 mW, Collimated, elliptical beam profile, including holder/adapter for 1" mirror mount and power supply.	12	6
85	Laser Diode Modules	Wavelength 635 nm, Output Power >1 mW, Collimated, round beam profile, including holder/adapter for 1" mirror mount and power supply.	12	8
86	Laser Diode Modules	Wavelength 808 nm, Output Power >2.3 mW, Collimated, elliptical beam profile, including holder/adapter for 1" mirror mount and power supply.	12	9
87	IR diode 150 mW	Single mode fiber laser diode mudule @830 nm $\pm$ 10nm, TEM 00, M2<1.2 + Large Fiber Collimator, - Diffraction Limited, Clean Gaussian beam, divergence, <0.05mrad, wavefront error <1/10 wave, Output aperture 35-45 mm.	12	4
88	XY translation mounts	Translating Lens Mount for $\varnothing$ 2" Optics, Travel: $\pm$ 0.04"; 1 Retaining Ring Included, Metric, High resolution adjusters with $\geq$ 250 $\mu$ m/rev; Tip/Tilt Deviation: <100 $\mu$ rad.	12	10
89	Optical Rails	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	20

90	Optical Rails	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	20
91	Rails Carriage	Rail Carriage for 66 mm Rails with M4 & M6, Side-Locked Mounting Platform that Slides Along Rail, Must fit optical rails above.	12	106
92	Pivot Platform	Rounded Dovetail Shape Allows Any Orientation Between Rail and Mounted Component; Contains One Counterbored Slot Compatible with 1/4"-20 (M6) Low-Profile Channel Screws and Low-Profile T-Nuts; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.	12	12
93	Blank Clamping Platform	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key; Must fit optical rails above.	12	10
94	Slotted Dovetails	Slotted Dovetail with One Z-Axis Counterbored Slot, 50 mm Long, M6, Must fit optical rails above.	12	10
95	Mounting Platforms	Mounting Platform, One M6 Counterbores, 40 mm Long, Must fit optical rails above.	12	10
96	Mounting Platforms	Mounting Platform, Three M6 Counterbores, 50 mm Long, Must fit optical rails above.	12	10
97	Double Dovetail Clamps	Clamp Between Rails or Accessories, 20 mm Long Clamp, Must fit optical rails above.	12	12
98	Double Dovetail Clamps	Clamp Between Rails or Accessories, 40 mm Long Clamp, Must fit optical rails above.	12	10
99	Cross Clamp	Compact Clamp Joins Two 66 mm Rails at Right Angles; Single-Screw Clamping Mechanism; Must fit optical rails above.	12	10
100	Cross Bracket	Connect Two 66 mm Rails at 90°, Must fit optical rails above.	12	10
101	Right-Angle Clamp	Connect Rails at 90° Horizontally or Vertically, Must fit optical rails above.	12	10
102	Right-Angle Bracket	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit optical rails above.	12	10
103	Clamping Platform	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key, Must fit optical rails above.	12	12
104	Clamps	Heavy-Duty Variable Height Clamp, M6 Tapped, 76 mm +/- 0.5mm long, 15.5 mm +/- 0.5 mm height.	12	50
105	Clamps	Compact Variable Height Clamp, M6 Tapped, 51 mm +/- 0.5mm long, 9 mm +/- 0.5 mm height.	12	55
106	Clamps	Table Clamp, Tight Space Applications, 35 mm +/- 0.5mm long, 10 mm +/- 0.5 mm height.	12	15
107	Clamps	Table Clamp, L-Shape, 51 mm +/- 0.5mm long, 17 mm +/- 0.5 mm height.	12	10
108	Clamps	Studded Pedestal Base adapters, Ø31.8 mm, M6 Thread.	12	90
109	Clamps	Short Clamping Fork, 31.5 mm (for 1/2" post holders) Counterbored Slot, M6, stainless steel.	12	35
110	Clamps	Long Clamping Fork, 44.8 mm (for 1" post holders) Counterbored Slot, M6, stainless steel.	12	35

111	Post and accessories kit	Posts and Accessories kit including a set of 108 pieces post and accessories of various sizes. Metric. Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 6" (150 mm) Long Stainless Steel Post, $\varnothing 0.499$ ", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 8" (200 mm) Long Stainless Steel Post, $\varnothing 0.499$ ", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on Other End - 10pc; Slip-On Post Collar for $\varnothing 1/2$ " Posts - 10pc; Small V-Clamp, One PM3 Included - 2pc; Large V-Clamp, One PM3 Included - 2pc; Swivel Post Clamp, 360° Continuously Adjustable - 3pc; Right Angle Post Clamp, Fixed 90° Adapter - 10pc; Extra VC1 Clamping Arm - 2pc; Extra VC3 Clamping Arm - 4pc; Small Right Angle Bracket - 5pc.	12	13
112		Bases and Post Holders kit including a set of about 100 pieces of various sizes. Metric. Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 25 mm; $\varnothing 12.7$ mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 40 mm; $\varnothing 12.7$ mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 50 mm; $\varnothing 12.7$ mm ; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 75 mm; $\varnothing 12.7$ mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 100 mm; $\varnothing 12.7$ mm; 5pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 150 mm; $\varnothing 12.7$ mm; 5pc L-Shape General Purpose Table Clamp; 20pc Mounting Base: 25 mm x 75 mm x 10 mm; 10pc Mounting Base: 25 mm x 58 mm x 10 mm; 10pc Mounting Base: 50 mm x 75 mm x 10 mm; 10pc 9 Drawer Stackable Cabinet; 1pc.	12	14
113	glass lens 2" f=60mm	lens $\varnothing 2$ inch, plano-convex, focal length ~60 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
114	glass lens 2" f=100mm	lens $\varnothing 2$ inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
115	glass lens 2" f=150mm	lens $\varnothing 2$ inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
116	glass lens 2" f=200mm	lens $\varnothing 2$ inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
117	glass lens 2" f=250mm	lens $\varnothing 2$ inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
118	glass lens 2" f=500mm	lens $\varnothing 2$ inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
119	glass lens 2" f=1000mm	lens $\varnothing 2$ inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
120	glass lens 1" f=50mm	lens $\varnothing 2$ inch, plano-convex, focal length ~50 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	4
121	glass lens 1" f=100mm	lens $\varnothing 1$ inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
122	glass lens 1" f=150mm	lens $\varnothing 1$ inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
123	glass lens 1" f=200mm	lens $\varnothing 1$ inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2



124	glass lens 1" f=250mm	lens Ø1 inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
125	glass lens 1" f=500mm	lens Ø1 inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
126	glass lens 1" f=1000mm	lens Ø1 inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu\text{m}$ .	2	2
127	Ø2" UV Enhanced Aluminum Mirror	mirror, diameter 2 inch, UV enhanced Aluminum, R>90% for 250-450 nm, surface flatness L/10, surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.	2	5
128	mirror 1" UV enh. aluminum	mirror, diameter 1 inch, UV enhanced Aluminum, R> 90% for 250-450 nm, surface flatness L/10, surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.	2	5
129	Ø2" Protected silver Mirror, lower threshold	mirror diameter 2", protected silver coating, surface flatness L/10, surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.	2	20
130	Ø1" Protected silver Mirror, lower threshold	mirror diameter 1", protected silver coating, surface flatness L/10, surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.	2	20
131	polarizer Ø1" ,500-700nm	Ø1" film polarizer, extinction ratio > 100:1 at 400-700 nm, >1000:1 at 500-700 nm, Reflectance over Coating Range (Avg.) < 0.5% at 0° AOI.	2	2
132	variable circular continuous ND filter 50 mm max OD 2	Circular, Continuously Variable, Reflective Neutral Density Filter for attenuation via rotation, diameter 50mm, Optical density range 0-4, Optical Density Tolerance $\pm 5\%$ (At Both Extremes) , mounted (on rotation axis attached to 1/2 inch post), Spectral Range 240 - 1200 nm (uncoated).	2	1
133	beamsplitter 2" 50:50	beamsplitter Ø2 inch, split ratio 50:50, fused silica, coating 350 - 1100 nm, thickness 8 mm, Damage Threshold > 10 J/cm <sup>2</sup> (810 nm, 10 ns, 10 Hz, Ø0.130 mm), Splitter Ratio Tolerance $\pm 12\%$ Over Entire Wavelength Range.	2	2
134	Aluminum Breadboard, 100 mm x 300 mm	Aluminum Breadboard, 100 mm x 300 mm x 12.7 mm, M6 Taps.	12	2
135	Aluminum Breadboard, 300 mm x 300 mm	Aluminum Breadboard, 300 mm x 300 mm x 12.7 mm, M6 Taps.	12	2
136	Position-Maintaining Post Collar	Position-Maintaining Post Collar for Ø1/2" Posts and Post Holders, Maintain the established height and rotational orientation of a Ø1/2" Post and Post Holder, $\leq 0.5^\circ$ Angular Repeatability.	12	2
137	45° Angle Clamp, RH	Right Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).	12	3
138	45° Angle Clamp, LH	Lef Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).	12	3
139	90° Angle Clamp, TOP	90° Angle Clamp for Ø1/2" Posts, 5 mm Hex, M6 Stud (lockable clamp for mounting two posts together perpendicular in one plane).	12	3
140	90° Angle Clamp, 25 mm	90° Angle Clamp for Ø1/2" and 25 mm Posts, 5 mm Hex (lockable clamp for mounting two posts Ø1/2" and 25 mm together perpendicular).	12	4
141	Base Position Retainer	Pedestal Post Position Retainer, Re-Alignment Based on Three Contact Points, 43.8 mm Long and 3.2 mm Thick.	12	3
142	Centered Post Joist	Centered Mounting Post Joist, M4 counterbored slots, centered M4 counterbore for post mounting.	12	3

143	Offset Post Joist	Offset Mounting Post Joist, M4 Mounting Hardware, Two M4 counterbored slots with opposite orientations, one for post mounting and one for mounting optomechanical components, Allows an optic to be offset by 10.16 mm - 68.58 mm from the post center.	12	4
144	5 mm Hex-Locking Thumbscrew	Spring-Loaded 5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread.	12	15
145	M4 to M6 Adapter	Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads.	12	15
146	pillar post extension L= 12,5mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=12,5 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6
147	pillar post extension L=19mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L= 19 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6
148	pillar post extension L=25mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=25 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6
149	pillar post extension L=38mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=38 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6
150	pillar post extension L=50mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=50 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10
151	pillar post extension L=75mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=75 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6
152	pillar post extension L=100mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=100 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10
153	pillar post extension L=150mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=150 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	18

154	pillar post extension L=300mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts), diameter 25 mm, metric, L=300 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10
155	Ø25 mm Post Spacer, L=5 mm	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 5 mm, M6 Clearance Hole.	12	10
156	Ø25 mm Post Spacer, L=10 mm	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 10 mm, M6 Clearance Hole.	12	10
157	Post Mounting Clamp for Ø25 mm Post	Post Mounting Clamp for Ø25 mm Post, 50.8 mm x 50.8 mm Mounting Plate, M6 Tapped Holes (Qty. 24), M4 Tapped Holes (Qty. 25).	12	2
158	Quick Release Handle	Quick Release Handle for Ø25.0 mm or Ø1.5" Post Clamps, M6 Clampin Screw with handle.	12	2
159	Ø1.5" Mounting Post L=25mm	Ø1.5" Mounting Post, M6 Taps, L = 25 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	6
160	Ø1.5" Mounting Post L=30mm	Ø1.5" Mounting Post, M6 Taps, L = 30 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	4
161	Ø1.5" Mounting Post L=50mm	Ø1.5" Mounting Post, M6 Taps, L = 50 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14
162	Ø1.5" Mounting Post L=75mm	Ø1.5" Mounting Post, M6 Taps, L = 75 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	12
163	Ø1.5" Mounting Post L=100mm	Ø1.5" Mounting Post, M6 Taps, L = 100 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14
164	Ø1.5" Mounting Post L=125mm	Ø1.5" Mounting Post, M6 Taps, L = 125 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	12
165	Ø1.5" Mounting Post L=150mm	Ø1.5" Mounting Post, M6 Taps, L = 150 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14
166	Ø1.5" Mounting Post L=200mm	Ø1.5" Mounting Post, M6 Taps, L = 200 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14
167	Ø1.5" Mounting Post L=250mm	Ø1.5" Mounting Post, M6 Taps, L = 250 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	8
168	Ø1.5" Mounting Post L=300mm	Ø1.5" Mounting Post, M6 Taps, L = 300 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	10
169	Ø1.5" Mounting Post L=350mm	Ø1.5" Mounting Post, M6 Taps, L = 350 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	8
170	Ø1.5" Mounting Post Extension L=5mm	Ø1.5" Mounting Post Spacer, Height = 5 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.	12	15
171	Ø1.5" Mounting Post Extension L=10mm	Ø1.5" Mounting Post Spacer, Height = 10 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.	12	15
172	Ø1.5" Post Pedestal Base Adapter	Studded Pedestal Base Adapter, M6 x 1.0 Thread, Compatible with Ø1.5" Mounting Posts	12	18
173	Clamping Fork for Ø1.5" Pedestal Post	Clamping Fork for Ø1.5" Pedestal Post or Post Pedestal Base Adapter, Universal, For mounting Ø1.5" Post Pedestal Base Adapter to an optical table.	12	18
174	Ø1.5" Post Base	Metric Mounting Post Base for Ø1.5" Mounting Posts , Ø61 mm x 12.7 mm Thick, Four counterbored slots.	12	12

175	Ø1.5" Post Mounting Clamp	Ø1.5" Post Mounting Clamp, 63.5 mm x 63.5 mm, Metric, Removable Front Plate with Tapped Holes M6 x 1.0 and M4 x 0.7, Quick-release handle for securing the clamp to a post.	12	2
176	Adapter Plate for Ø1.5" Post Mounting Clamp	Spare Adapter Plate for Ø1.5" Post Mounting Clamp, 112.5 mm x 112.5 mm, Metric, Tapped Holes M6 x 1.0 (71 x).	12	1
177	Kinematic Base 50 mm x 50 mm	Complete 50 mm x 50 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.	12	8
178	Kinematic Base 75 mm x 75 mm	Complete 75 mm x 75 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 82 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.	12	8
179	Kinematic Breadboard 100 mm x 100 mm	Complete, Switchable Magnetic Kinematic Breadboard, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, Magnetic Holding Force of 16.8 lbs.	12	3
180	Right-Angle Bracket	Right-Angle Bracket with M6 Counterbored Slots and M6 Tapped Holes on Each Side.	12	3
181	Slim Right-Angle Bracket	Slim Right-Angle Bracket with M6 Counterbored & M6 Tapped Holes.	12	1
182	Slim Right-Angle Bracket, Slot-Holes	Slim Right-Angle Bracket with M6 Counterbored Slot on one side & M6 Tapped Holes on other side.	12	1
183	Right-Angle Bracket, Medium	Right-Angle Mounting Plate, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.	12	6
184	Right-Angle Bracket, Large	Large Right-Angle Mounting Plate, Min. 200 mm long, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.	12	1
185	Iris 0.7-5mm	Lever-Actuated Iris Diaphragm (Ø0.7 – Ø8 mm) , Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2
186	Iris 0.8-12mm	Lever-Actuated Iris Diaphragm (Ø0.8 - Ø12 mm) , Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2
187	Iris 0.8-25mm zero aperture	Lever-Actuated Iris Diaphragm, zero min. aperture (Ø0 - Ø25 mm) , Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2
188	Iris 0.8-25mm	Lever-Actuated Iris Diaphragm (Ø1 - Ø25 mm) , Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	20
189	Iris 2-50mm	Lever-Actuated Iris Diaphragm (Ø2 - Ø50 mm) , Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2
190	12.7 mm XYZ Translation Stage	12.7 mm XYZ Translation Stage with Standard Micrometers, M6 Taps, Resolution: 500 µm Translation per Revolution.	12	1
191	12.7 mm Linear Translation Stage	12.7 mm Translation Stage with Standard Micrometer, M6 Taps, Resolution: 500 µm Translation per Revolution.	12	3
192	12.7 mm Linear Translation Stage, Differential Adjusters	12.7 mm Translation Stage with Differential Adjuster, M6 Taps, Coarse Resolution: 500 µm Translation per Revolution, Fine Resolution: 25 µm Translation per Revolution, Fine Range 250 µm.	12	1
193	25 mm Travel Dovetail Translation Stage	25 mm Dovetail Translation Stage, M6 Taps, Angular Deviation: ±150 µrad, Straightness: Horizontal: ±10.00 µm, Vertical: ±5.00 µm, Stiffness: Pitch: 200.00 µrad / N-m, Yaw: 725.00 µrad / N-m, Load Capacity: 44 kg (Horizontal), 10 kg (Vertical).	12	3

194	High-Precision Rotation Mount	360° Rotation Platform, Micrometer Driven, 2.4 arcmin Resolution per Division, M6 and M4 Taps, SM1-Threaded Center Hole Accepts $\varnothing 1"$ ( $\varnothing 25.4$ mm) Optics up to 17 mm Thick.	12	2
195	Compact Dual Filter Holder	Compact Dual Filter Holder, M4 Tapped Hole, Compact Size: 8 mm x 12.7 mm x 30 mm.	12	6
196	Filter Holder	Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 2 mm, M4 Tapped Hole.	12	4
197	Dual Filter Holder	Dual Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 1.5 mm, M4 Tapped Hole.	12	12
198	Kinematic Mirror Mount for $\varnothing 1"$ Optics	Kinematic Mirror Mount for $\varnothing 1"$ Optics, Angular Range: $\pm 4^\circ$ , Resolution: 8 mrad (0.5°) per rev via, Two Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.	12	25
199	Kinematic Mirror Mount for $\varnothing 2"$ Optics	Kinematic Mirror Mount for $\varnothing 2"$ Optics, Angular Range: $\pm 3^\circ$ , Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.	12	25
200	Kinematic Mirror Mount for $\varnothing 2"$ Optics, SM Threaded	Kinematic Mirror Mount for $\varnothing 2"$ Optics, Angular Range: $\pm 3^\circ$ , Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation, SM2 thread inside.	12	2
201	Fixed $\varnothing 25$ mm Optical Mount, Metric	Fixed $\varnothing 25$ mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 3.73 mm.	12	7
202	Fixed $\varnothing 50.8$ mm Optical Mount, Metric	Fixed $\varnothing 50.8$ mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 5.76 mm.	12	7
203	Kinematic Mirror Mount for $\varnothing 1"$ Optics, clear edge	Kinematic Mirror Mount for $\varnothing 1"$ Optics, Angular Range: $\pm 3^\circ$ , Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.	12	5
204	Kinematic Mirror Mount for $\varnothing 2"$ Optics, clear edge	Kinematic Mirror Mount for $\varnothing 2"$ Optics, Angular Range: $\pm 3^\circ$ , Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.	12	5
205	Kinematic Mirror Mount for $\varnothing 1"$ Optics, detachable front plate	Kinematic Mirror Mount for $\varnothing 1"$ Optics, front plate with optics detachable with repeatability 10 $\mu$ rad, held in position with magnets.	12	2
206	flip mount for $\varnothing 1"$ Optics and filters	Mount for $\varnothing 1"$ Filters and Optics, threaded inside (SM1), allow optics to be easily inserted or removed from the beampath by flipping. Detent mechanism with holding force at the 0° and 90° positions, allow the mount to be locked at any angle. angular repeatability <25 $\mu$ rad.	12	2
207	Kinematic Rotation Mount for $\varnothing 1"$ Optics	Kinematic rotation mount with kinematic angular adjustment and rotation in one mount, 1/4"-80 lockable adjusters for $\pm 4^\circ$ of angular adjustment, engraved rotation scale with 2° graduations, 360° rotation, SM1-Threaded Rotation Ring with Locking Screw.	12	1
208	Large Goniometer, Dual Axis	Dual-Axis Goniometer GNL20/M, 25.4 mm Distance to Point of Rotation, Metric, Range: $\pm 5^\circ / \pm 10^\circ$ , Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.	12	2
209	Large Goniometer	Large Goniometer, 25.4 mm Distance to Point of Rotation, Range: $\pm 10^\circ$ , Metric, Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.	12	3
210	Laser Diode Modules	Wavelength 520 nm, Output Power >3 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.	12	2
211	absorptive ND filter kit, 2x2", set of 10	2x2" rectangular absorptive ND filter kit, Box with 10 unmounted ND Filters, included OD:0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, including box.	2	1

212	absorptive near IR ND filter kit, 2x2", set of 10	2x2" rectangular absorptive near IR ND filter kit, Box with 10 unmounted ND Filters, wavelength range 800 - 2700 nm, included OD for 1550 nm approx.:0.1, 0.15, 0.3, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, 5, including box.	2	1
213	Ø25 mm reflective ND filter kit, set of 10	Ø25 mm reflective ND filter kit, Box with 10 UVFS (substrate transmission 200- 1100 nm) Reflective Ø25 mm mounted ND Filters, included OD: 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0.	2	3
214	Al Half Inch posts 20mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 20 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
215	Al Half Inch posts 30mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 30 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
216	Al Half Inch posts 40mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 40 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
217	Al Half Inch posts 50mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 50 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
218	Al Half Inch posts 75mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
219	Al Half Inch posts 100mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 100 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
220	Al Half Inch posts 150mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 150 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5
221	Half Inch translating post	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 51-57 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, allowing >6 mm of height adjustment, lockable, non-rotating tip.	12	2
222	Graduated half inch post	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, with engraved vertical scale (metric).	12	2
223	Optical Rails, 66mm	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	2
224	Optical Rails, 66mm, 1m	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	4
225	Rail Platform locator, 66mm	Rail Platform Locator for 66 mm Rails; Slides Along Rail Side Prior to Lockdown; 19 mm of translation; ~320 µm of Translation per Revolution Locking Screws Fasten with 2.5 mm Balldriver or Hex Key, Must fit 66 mm rails above.	12	2
226	Optical Rails, 34mm	Rail: 200 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3

227	Optical Rails, 34mm	Rail: 500 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3
228	Optical Rails, 34mm	Rail: 1000 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3
229	Double Dovetail Clamp for 34 mm Rails	Clamp Between Rails or Accessories, 30 mm Long Clamp, Must fit 34 mm optical rails above.	12	6
230	Right-Angle Bracket, 34mm	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit 34 mm optical rails above, Orient Rails Parallel to Each Other.	12	2
231	34 mm Rail Carriers for Ø1/2" Posts	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 12.5 mm.	12	4
232	34 mm Rail Carriers for Ø1/2" Posts	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 37.5 mm.	12	4
233	Half Inch post 20mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 20 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20
234	Half Inch post 30mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 30 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20
235	Half Inch post 40mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 40 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20
236	Half Inch post 50mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 50 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	15
237	Half Inch post 75mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 75 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	15
238	post holder 20mm, vacuum	Post Holder with Hex Locking Thumbscrew, L= 20 mm, wide relief cut that provides two lines of contact for highly stable post mountin Vacuum compatibility: 1.3*1E-6 mbar.	12	15
239	post holder 30mm, vacuum	Post Holder with Hex Locking Thumbscrew, L= 30 mm, wide relief cut that provides two lines of contact for highly stable post mountin Vacuum compatibility: 1.3*1E-6 mbar.	12	15
240	post holder 40mm, vacuum	Post Holder with Hex Locking Thumbscrew, L= 40 mm, wide relief cut that provides two lines of contact for highly stable post mounting, Vacuum compatibility: 1.3*1E-6 mbar.	12	15
241	post holder 50mm, vacuum	Post Holder with Hex Locking Thumbscrew, L= 50 mm, wide relief cut that provides two lines of contact for highly stable post mounting, Vacuum compatibility: 1.3*1E-6 mbar.	12	15
242	post holder 75mm, vacuum	Post Holder with Hex Locking Thumbscrew, L= 75 mm, wide relief cut that provides two lines of contact for highly stable post mounting, Vacuum compatibility: 1.3*1E-6 mbar.	12	15
243	mounting base 1, vacuum	Mounting Base, 25 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30
244	mounting base 2, vacuum	Mounting Base, 25 mm x 58 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30

245	mounting base 3, vacuum	Mounting Base, 50 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30
246	vaccum thumbscrews	5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread, Vacuum compatibility: 1.3*1E-6 mbar.	12	50
247	Piezoelectric Ø1" Mirror Mount	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric- and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perependicular M4 counterbores, Vacuum compatibility: 1.3*1E-5 mbar.	12	20
248	Piezoelectric Ø1" Mirror Mount, 3 adjusters	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric- and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perependicular M4 counterbores, Vacuum compatibility: 1.3*1E-5 mbar.	12	10
249	Kinematic Ø2" Mirror Mount	Kinematic Mirror Mounts for 2" optics, the optic is inserted from the rear side, Three-Point Contact Plate Secures Optic, Hardened Stainless Steel Ball Contacts with Sapphire Seats for Durability, parts made from stainless steel with matched coefficients of thermal expansion, 2 manual 100TPI adjusters, Vacuum compatibility: 1.3*1E-5 mbar.	12	30



Příloha č. 2 CENOVÁ NABÍDKA PRODÁVAJÍCÍHO

Číslo položky	Název položky	Popis položky	Záruční doba (v měsících)	Předpokládaný počet kusů	Cena za kus (bez DPH)	Cena celkem (bez DPH)	Výrobce	Obchodní označení výrobku	Popis parametrů výrobku (musí odpovídat hodnotám uvedeným v záložce "Popis položky", není-li nabídková hodnota pro zadavatele výhodnější)
1	Optical Windows	Fused Silica, Thickness 5-15 mm, diameter 2", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 5$ arcsec.	2	10	3 798,00 Kč	37 980,00 Kč	Thorlabs	W642012-#	Fused Silica, Thickness 5-15 mm, diameter 2", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 5$ arcsec.
2	Optical windows	Fused Silica, Thickness 10-20 mm, diameter 4", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 10$ arcsec.	2	15	11 132,00 Kč	166 980,00 Kč	Thorlabs	Z20-1503E (#4") + 3275-D (mod.)	Fused Silica, Thickness 10-20 mm, diameter 4", surface quality better than $\lambda/4$ , both side coated AR @ 650-1050 nm $\pm 50$ nm, Ravg $\leq 0.50\%$ per surface @0deg, parallelism $\leq 10$ arcsec.
3	Protected silver coating mirror 1"	Substrate fused silica. Diameter=1", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 6 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	50	915,00 Kč	45 750,00 Kč	Thorlabs	OF2-3025 (mod.)	Substrate fused silica. Diameter=1", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 6 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ , Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.
4	Protected silver coating mirror 2"	Substrate fused silica. Diameter=2", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 12 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	65	2 475,00 Kč	160 875,00 Kč	Thorlabs	PF20-03-P01	Substrate fused silica. Diameter=2", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 12 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ , Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.
5	Protected silver coating mirror 4"	Substrate fused silica. Diameter=4", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 19.1 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ . Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.	2	40	9 030,00 Kč	361 200,00 Kč	Thorlabs	OF5-3025 (mod.)	Substrate fused silica. Diameter=4", Diameter tolerance $\pm 0.0$ mm / -0.1 mm. Thickness 19.1 mm, Thickness tolerance $\pm 0.2$ mm. Surface flatness $\lambda/10$ , Protected silver coating. Clear aperture > 90% of diameter. Surface quality 40-20 scratch-Dig. Parallelism < 3 arcmin. Damage threshold 3 J/cm <sup>2</sup> @ 1064 nm, 10 ns, 10 Hz, $\phi$ 1.000 mm. Avg. reflectance > 97.5% for 450 nm - 2 $\mu$ m. Wavelength range 450 nm - 2 $\mu$ m.
6	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	2 332,00 Kč	23 320,00 Kč	Thorlabs	072-7288-D (mod.)	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
7	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	5 442,00 Kč	54 420,00 Kč	Thorlabs	075-7288-D (mod.)	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
8	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	18 430,00 Kč	184 300,00 Kč	Thorlabs	078-7288-D (mod.)	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 0°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
9	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	2 325,00 Kč	23 250,00 Kč	Thorlabs	072-7288 (mod.)	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 6.35; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
10	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	5 442,00 Kč	54 420,00 Kč	Thorlabs	075-7288 (mod.)	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 9.53; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
11	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.	2	10	18 430,00 Kč	184 300,00 Kč	Thorlabs	078-7288 (mod.)	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 740 - 860 nm; Substrate Material: N-BK7 glass; Surface flatness: $\lambda/10$ @ 633 nm before coating; Surface Quality: 10-5 scratch and dig; Thickness 12.7; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 5$ arc min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0% from 740-860 nm; Damage Threshold: 0.46 J/cm <sup>2</sup> , 46 fsec @ 800 nm; Center Wavelength: 800 nm.
12	Dielectric coating mirror 1"	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10	1 643,00 Kč	16 430,00 Kč	Altechna	1-05-1-0254-6- (2945)	Diameter=1"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.
13	Dielectric coating mirror 2"	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 8.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10	3 013,00 Kč	30 130,00 Kč	Altechna	1-05-1-0508-8- (2945)	Diameter=2"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 8.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.
14	Dielectric coating mirror 4"	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.	2	10	22 141,00 Kč	221 410,00 Kč	Altechna	108-7288	Diameter=4"; Diameter Tolerance: $\pm 0/-0.25$ mm; Wavelength range 720 - 880 nm; Substrate Material: UV grade Fused Silica; Surface flatness: $\lambda/10$ @ 633 nm; Surface Quality: 20-10 scratch and dig; Thickness 6.0; Thickness Tolerance: $\pm 0.25$ mm; Wedge: $\leq 3$ min; Clear Aperture: 285% of central diameter; Angle of Incidence: 45°; Reflectivity: R > 99.0%; Damage Threshold: > 50 mJ/cm <sup>2</sup> , 50 fsec @ 800 nm.







65	Beam Splitters 90/10, 2"	Split Ratio (R:T) 90:10; Diameter=2"; Diameter Tolerance +0.0 mm / -0.2 mm; Center Thickness 8 mm; Thickness Tolerance ±0.4 mm; Surface Flatness (Peak to Valley) λ/10 @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance ±10 arcmin; Damage Threshold 1 J/cm2 (50.238 mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture >φ45.72 mm; Polarization Relationship [Ts-Tp] < 35% and [Rs-Rp] < 35% at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	3	4 683,00 Kč	14 049,00 Kč	Thorlabs BSX16	Split Ratio (R:T) 90:10; Diameter=2"; Diameter Tolerance +0.0 mm / -0.2 mm; Center Thickness 8 mm; Thickness Tolerance ±0.4 mm; Surface Flatness (Peak to Valley) λ/10 @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance ±10 arcmin; Damage Threshold 1 J/cm2 (50.238 mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture >φ45.72 mm; Polarization Relationship [Ts-Tp] < 35% and [Rs-Rp] < 35% at 45° AOI; Surface Quality 20-10 Scratch-Dig.
66	Beam Splitters 70/30, 2"	Split Ratio (R:T) 70:30; Diameter=2"; Diameter Tolerance +0.0 mm / -0.2 mm; Center Thickness 8 mm; Thickness Tolerance ±0.4 mm; Surface Flatness (Peak to Valley) λ/10 @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance ±10 arcmin; Damage Threshold 1 J/cm2 (50.238 mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture >φ45.72 mm; Polarization Relationship [Ts-Tp] < 35% and [Rs-Rp] < 35% at 45° AOI; Surface Quality 20-10 Scratch-Dig.	2	3	4 113,00 Kč	12 333,00 Kč	Thorlabs BST16	Split Ratio (R:T) 70:30; Diameter=2"; Diameter Tolerance +0.0 mm / -0.2 mm; Center Thickness 8 mm; Thickness Tolerance ±0.4 mm; Surface Flatness (Peak to Valley) λ/10 @ 633 nm Over the Clear Aperture; Coating on front Surface 400 - 700 nm Beamsplitter Coating for 45° AOI; Coating on back Surface Broadband AR Coating for 400 - 700 nm (Ravg < 1% Within Wavelength Range); Wedge Angle 30 arcmin Wedge Angle Tolerance ±10 arcmin; Damage Threshold 1 J/cm2 (50.238 mm, 10 ns, 10 Hz, at 532 nm); Substrate UV Fused Silica; Clear Aperture >φ45.72 mm; Polarization Relationship [Ts-Tp] < 35% and [Rs-Rp] < 35% at 45° AOI; Surface Quality 20-10 Scratch-Dig.
67	Half waveplate	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: λ/2; Diameter=2"; Material: Single crystal quartz; Optical axis normal to face on circumference of retarder; Wavefront distortion λ/10@633 nm Surface quality 20-10 scratch & dig; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm2, 50 fsec pulse, 800nm typical.	2	8	14 437,00 Kč	115 496,00 Kč	Altechna 2-CPW-2D-L2-0800 (mod.)	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: λ/2; Diameter=2"; Material: Single crystal quartz; Optical axis normal to face on circumference of retarder; Wavefront distortion λ/10@633 nm Surface quality 20-10 scratch & dig; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm2, 50 fsec pulse, 800nm typical.
68	Quarter waveplate	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: λ/4; Diameter=2"; Material: Single crystal quartz; Optical axis normal to face on circumference of retarder; Wavefront distortion λ/10@633 nm Surface quality 20-10 scratch & dig; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm2, 50 fsec pulse, 800nm typical.	2	4	17 152,00 Kč	68 608,00 Kč	Altechna 2-CPW-2D-LA-0800 (mod.)	AR coating range: 760-840 nm, Center wavelength 800 nm; Retardation: λ/4; Diameter=2"; Material: Single crystal quartz; Optical axis normal to face on circumference of retarder; Wavefront distortion λ/10@633 nm Surface quality 20-10 scratch & dig; Parallelism <10 arcsec; AR coating R<0.5%; Laser Damage Threshold 100 mJ/cm2, 50 fsec pulse, 800nm typical.
69	Camera objective	Imaging lens f=50 mm, F/1.8 with adapter to C mount.	2	5	6 933,00 Kč	34 665,00 Kč	Nikon + Edmund Nikon 50/1.8 D AF + 54-341	Imaging lens f=50 mm, F/1.8 with adapter to C mount.
70	Camera objective	Imaging lens f=70-300mm, F/4.0-5.6 with adapter to C mount.	2	5	13 968,00 Kč	69 840,00 Kč	Tamron + Edmund TAMRON 70-300 mm F/4-5.6 SP Di VC USD pro Nikon + 54-341	Imaging lens f=70-300mm, F/4.0-5.6 with adapter to C mount.
71	Microscope objective	Infinity Corrected Design , magnification 40x, Numerical aperture 0.65, Wavelength Range: Visible.	2	11	3 192,00 Kč	35 112,00 Kč	Newport U-40X	Infinity Corrected Design , magnification 40x, Numerical aperture 0.65, Wavelength Range: Visible.
72	Microscope objective	Infinity Corrected Design , magnification 20x, Numerical aperture 0.4, Wavelength Range: Visible.	2	11	2 959,00 Kč	32 549,00 Kč	Newport U-20X	Infinity Corrected Design , magnification 20x, Numerical aperture 0.4, Wavelength Range: Visible.
73	Microscope objective	Infinity Corrected Design , magnification 10x, Numerical aperture 0.25, Wavelength Range: Visible.	2	10	2 640,00 Kč	26 400,00 Kč	Newport U-10X	Infinity Corrected Design , magnification 10x, Numerical aperture 0.25, Wavelength Range: Visible.
74	Microscope objective	Infinity Corrected Design , magnification 4x, Numerical aperture 0.1, Wavelength Range: Visible.	2	10	2 263,00 Kč	22 630,00 Kč	Newport U-4X	Infinity Corrected Design , magnification 4x, Numerical aperture 0.1, Wavelength Range: Visible.
75	Mirror mounts 1"	Optic Size: Ø1"; Optic Thickness (Min): 0.08" (2 mm); Number of Adjusters: 2; Adjuster Drive: Low-Profile 5/64" Hex; Adjuster Pitch: TP100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 7 mrad/rev; Mechanical Angular Range (Nominal): ±4°; Beam Deviation After Thermal Cycling (12.5°C): <2 µrad; Mounting: M4; Vacuum Compatibility: 1.3*1E-5 mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.	12	40	3 186,00 Kč	127 440,00 Kč	Thorlabs POLARIS-K1-2AN	Optic Size: Ø1"; Optic Thickness (Min): 0.08" (2 mm); Number of Adjusters: 2; Adjuster Drive: Low-Profile 5/64" Hex; Adjuster Pitch: TP100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 7 mrad/rev; Mechanical Angular Range (Nominal): ±4°; Beam Deviation After Thermal Cycling (12.5°C): <2 µrad; Mounting: M4; Vacuum Compatibility: 1.3*1E-5 mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.
76	Mirror mounts 2"	Optic Size: Ø2"; Optic Thickness (Min): 0.14" (3.5 mm); Number of Adjusters: 2; Adjuster Drive: 5/64" Hex; Adjuster Pitch: TP100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 5 mrad/rev; Mechanical Angular Range (Nominal): ±3.4°; Beam Deviation After Thermal Cycling (12.5°C): <2 µrad; Mounting: M4; Vacuum Compatibility: 1.3*1E-5 mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.	12	40	6 072,00 Kč	242 880,00 Kč	Thorlabs POLARIS-K1S2	Optic Size: Ø2"; Optic Thickness (Min): 0.14" (3.5 mm); Number of Adjusters: 2; Adjuster Drive: 5/64" Hex; Adjuster Pitch: TP100; Actuator Matching Matched Actuator/Body Pairs; Resolution: 5 mrad/rev; Mechanical Angular Range (Nominal): ±3.4°; Beam Deviation After Thermal Cycling (12.5°C): <2 µrad; Mounting: M4; Vacuum Compatibility: 1.3*1E-5 mbar at 25 °C with Proper Bake Out; Operating Temperature Range: -30 to 200°.
77	Mirror mounts 4"	Optic Diameter: Ø 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored.	12	20	6 099,00 Kč	121 980,00 Kč	Thorlabs K54	Optic Diameter: Ø 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored.
78	Mirror mounts 3"	Optic Diameter: Ø3"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.13"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 5.0 mrad/rev; Clear Aperture: 2.82"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.	12	20	4 683,00 Kč	93 660,00 Kč	Thorlabs K53	Optic Diameter: Ø3"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.13"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 5.0 mrad/rev; Clear Aperture: 2.82"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.
79	Mirror mounts 4"	Optic Diameter: Ø 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.	12	20	6 099,00 Kč	121 980,00 Kč	Thorlabs K54	Optic Diameter: Ø 4"; Minimum Optic Thickness: 0.28"; Optical Axis Height: 2.70"; Angular Adjustment: ±.4deg; Number of Adjusters: 2; Type of Adjusters: removable knobs; Adjuster Thread: M-80; Resolution: 3.9 mrad/rev; Clear Aperture: 3.94"; Mounting: 4x M4 counterbored; Material: Anodized Aluminium.
80	Waveplate holder	Optic diameter= 2", 360 degree rotation. 1 deg sensitivity. (Must correspond with half wave and quarter wave plates size item 67 and 68).	12	12	3 512,00 Kč	42 144,00 Kč	Thorlabs RSP20/PM	Optic diameter= 2", 360 degree rotation. 1 deg sensitivity. (Must correspond with half wave and quarter wave plates size item 67 and 68).
81	Iris	Iris Diaphragm, Continuously Variable; Minimum aperture 5 mm ±1 mm; Maximum aperture 100 mm ±2 mm, Leaves material: High temperature alloy up to 1000 deg.	12	18	11 578,00 Kč	208 404,00 Kč	Edmund Optics 992-1359-HT	Iris Diaphragm, Continuously Variable; Minimum aperture 5 mm ±1 mm; Maximum aperture 100 mm ±2 mm, Leaves material: High temperature alloy up to 1000 deg.
82	HeNe, Red 633 nm	HeNe Laser, 632.8 nm, Output power >20 mW, Polarized, 230 VAC Power Supply Included, TEM00 >95%, 1/e2 Beam Diameter: 0.7 mm; Divergence: < 2 mrad (full beam), Polarization Ratio 500:1; Holder Included -2x Post V clamp with 1.5" Dynamically Damped Post, 14" Long, Metric.	12	3	64 990,00 Kč	194 970,00 Kč	Newport HNL21X-EC + 2x C1512/PM + 2x DP14A/PM	HeNe Laser, 632.8 nm, Output power >20 mW, Polarized, 230 VAC Power Supply Included, TEM00 >95%, 1/e2 Beam Diameter: 0.7 mm; Divergence: < 2 mrad (full beam), Polarization Ratio 500:1; Holder Included -2x Post V clamp with 1.5" Dynamically Damped Post, 14" Long, Metric.
83	Beam expander	Laser beam expander system 25x must fit with HeNe red laser (see line above), spatial filtering included.	2	2	37 093,00 Kč	74 186,00 Kč	Thorlabs E03 8495 000 + adaptor	Laser beam expander system 25x must fit with HeNe red laser (see line above), spatial filtering included.
84	Laser Diode Modules	Wavelength 405 nm, Output Power >4 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.	12	6	5 238,00 Kč	31 428,00 Kč	Thorlabs CP5405 + AD11NT + LDS5-EC	Wavelength 405 nm, Output Power >4 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.
85	Laser Diode Modules	Wavelength 635 nm, Output Power >1 mW, Collimated, round beam profile, including holder/adaptor for 1" mirror mount and power supply.	12	8	2 781,00 Kč	22 248,00 Kč	Thorlabs CP5635R + AD11NT + LDS5-EC	Wavelength 635 nm, Output Power >1 mW, Collimated, round beam profile, including holder/adaptor for 1" mirror mount and power supply.

86	Laser Diode Modules	Wavelength 808 nm, Output Power >2.3 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.	12	9	4 802,00 K€	43 218,00 K€	Thorlabs	CPSR08A+AD131NT+LDSS-EC	Wavelength 808 nm, Output Power >2.3 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.
87	IR diode 150 mW	Single mode fiber laser diode module @830 nm +-10nm, TEM 00, M2<1.2 + Large Fiber Collimator - Diffraction Limited, Clean Gaussian beam, divergence, <0.05mrad, wavefront error <1/10 wave, Output aperture 35-45 mm.	12	4	43 764,00 K€	175 056,00 K€	Thorlabs	TLD-KT-830155 FS +80FC-L-G-M125-54	Single mode fiber laser diode module @830 nm +-10nm, TEM 00, M2<1.2 + Large Fiber Collimator - Diffraction Limited, Clean Gaussian beam, divergence, <0.05mrad, wavefront error <1/10 wave, Output aperture 35-45 mm.
88	XY translation mounts	Translating Lens Mount for Ø2" Optics, Travel: ±0.04"; 1 Retaining Ring Included, Metric, High resolution adjusters with >=250 µm/rev; Tip/Tilt Deviation: <100 µrad.	12	10	11 286,00 K€	112 860,00 K€	Newport	1P-2A-XY	Translating Lens Mount for Ø2" Optics, Travel: ±0.04"; 1 Retaining Ring Included, Metric, High resolution adjusters with >=250 µm/rev; Tip/Tilt Deviation: <100 µrad.
89	Optical Rails	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	20	2 076,00 K€	41 520,00 K€	Thorlabs	XR66-500	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.
90	Optical Rails	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	20	3 186,00 K€	63 720,00 K€	Thorlabs	XR66-1000	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.
91	Rails Carriage	Rail Carriage for 66 mm Rails with M4 & M6, Side-Locked Mounting Platform that Slides Along Rail, Must fit optical rails above.	12	106	1 695,00 K€	179 670,00 K€	Thorlabs	XR66P2/M	Rail Carriage for 66 mm Rails with M4 & M6, Side-Locked Mounting Platform that Slides Along Rail, Must fit optical rails above.
92	Phot Platform	Rounded Dovetail Shape Allows Any Orientation Between Rail and Mounted Component; Contains One Counterbored Slot Compatible with 1/4"-20 (M6) Low-Profile Channel Screws and Low-Profile T-Nuts; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.	12	12	1 715,00 K€	20 580,00 K€	Thorlabs	XR66RC	Rounded Dovetail Shape Allows Any Orientation Between Rail and Mounted Component; Contains One Counterbored Slot Compatible with 1/4"-20 (M6) Low-Profile Channel Screws and Low-Profile T-Nuts; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.
93	Blank Clamping Platform	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.	12	10	694,00 K€	6 940,00 K€	Thorlabs	XR66CS	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.
94	Slotted Dovetails	Slotted Dovetail with One Z-Axis Counterbored Slot, 50 mm Long, M6. Must fit optical rails above.	12	10	373,00 K€	3 730,00 K€	Thorlabs	XR66D1	Slotted Dovetail with One Z-Axis Counterbored Slot, 50 mm Long, M6. Must fit optical rails above.
95	Mounting Platforms	Mounting Platform, One M6 Counterbores, 40 mm Long. Must fit optical rails above.	12	10	373,00 K€	3 730,00 K€	Thorlabs	XR66D2-40	Mounting Platform, One M6 Counterbores, 40 mm Long. Must fit optical rails above.
96	Mounting Platforms	Mounting Platform, Three M6 Counterbores, 50 mm Long. Must fit optical rails above.	12	10	425,00 K€	4 250,00 K€	Thorlabs	XR66D2-50	Mounting Platform, Three M6 Counterbores, 50 mm Long. Must fit optical rails above.
97	Double Dovetail Clamps	Clamp Between Rails or Accessories, 20 mm Long Clamp. Must fit optical rails above.	12	12	4 38,00 K€	5 256,00 K€	Thorlabs	XR66C1	Clamp Between Rails or Accessories, 20 mm Long Clamp. Must fit optical rails above.
98	Double Dovetail Clamps	Clamp Between Rails or Accessories, 40 mm Long Clamp. Must fit optical rails above.	12	10	485,00 K€	4 850,00 K€	Thorlabs	XR66C2	Clamp Between Rails or Accessories, 40 mm Long Clamp. Must fit optical rails above.
99	Cross Clamp	Compact Clamp Joins Two 66 mm Rails at Right Angles; Single-Screw Clamping Mechanism; Must fit optical rails above.	12	10	1 314,00 K€	13 140,00 K€	Thorlabs	XR66CC	Compact Clamp Joins Two 66 mm Rails at Right Angles; Single-Screw Clamping Mechanism; Must fit optical rails above.
100	Cross Bracket	Connect Two 66 mm Rails at 90°, Must fit optical rails above.	12	10	515,00 K€	5 150,00 K€	Thorlabs	XR66CB	Connect Two 66 mm Rails at 90°, Must fit optical rails above.
101	Right-Angle Clamp	Connect Rails at 90° Horizontally or Vertically, Must fit optical rails above.	12	10	1 225,00 K€	12 250,00 K€	Thorlabs	XR66RA1	Connect Rails at 90° Horizontally or Vertically, Must fit optical rails above.
102	Right-Angle Bracket	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit optical rails above.	12	10	1 007,00 K€	10 070,00 K€	Thorlabs	XR66RA2	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit optical rails above.
103	Clamping Platform	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.	12	12	694,00 K€	8 328,00 K€	Thorlabs	XR66CA	Contains One 1/4" (M6) Counterbored Slot; Slides Along Rail Side Prior to Lockdown; Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit optical rails above.
104	Clamps	Heavy-Duty Variable Height Clamp, M6 Tapped, 76 mm +-0.5mm long, 15.5 mm +-0.5 mm height.	12	50	170,00 K€	8 500,00 K€	Thorlabs	CL2/M-PS	Heavy-Duty Variable Height Clamp, M6 Tapped, 76 mm +-0.5mm long, 15.5 mm +-0.5 mm height.
105	Clamps	Compact Variable Height Clamp, M6 Tapped, 51 mm +-0.5mm long, 9 mm +-0.5 mm height.	12	55	125,00 K€	6 875,00 K€	Thorlabs	CL3/M-PS	Compact Variable Height Clamp, M6 Tapped, 51 mm +-0.5mm long, 9 mm +-0.5 mm height.
106	Clamps	Table Clamp, Tight Space Applications, 35 mm +-0.5mm long, 10 mm +-0.5 mm height.	12	15	151,00 K€	2 265,00 K€	Thorlabs	CL4	Table Clamp, Tight Space Applications, 35 mm +-0.5mm long, 10 mm +-0.5 mm height.
107	Clamps	Table Clamp, L-Shape, 51 mm +-0.5mm long, 17 mm +-0.5 mm height.	12	10	104,00 K€	1 040,00 K€	Thorlabs	CL5-PS	Table Clamp, L-Shape, 51 mm +-0.5mm long, 17 mm +-0.5 mm height.
108	Clamps	Studded Pedestal Base adapters, Ø31.8 mm, M6 Thread.	12	90	230,00 K€	20 700,00 K€	Thorlabs	BE1/M	Studded Pedestal Base adapters, Ø31.8 mm, M6 Thread.
109	Clamps	Short Clamping Fork, 31.5 mm (for 1/2" post holders) Counterbored Slot, M6, stainless steel.	12	35	211,00 K€	7 385,00 K€	Thorlabs	CF125-PS	Short Clamping Fork, 31.5 mm (for 1/2" post holders) Counterbored Slot, M6, stainless steel.
110	Clamps	Long Clamping Fork, 44.8 mm (for 1" post holders) Counterbored Slot, M6, stainless steel.	12	35	238,00 K€	8 330,00 K€	Thorlabs	CF175-PS	Long Clamping Fork, 44.8 mm (for 1" post holders) Counterbored Slot, M6, stainless steel.
111	Post and accessories kit	Posts and Accessories kit including a set of 108 pieces post and accessories of various sizes. Metric. Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 6" (150 mm) Long Stainless Steel Post, Ø0.499", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 8" (200 mm) Long Stainless Steel Post, Ø0.499", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on Other End - 10pc; Slip-On Post Collar for Ø1/2" Posts - 10pc; Small V-Clamp, One PM3 Included - 2pc; Large V-Clamp, One PM3 Included - 2pc; Swivel Post Clamp, 360° Continuously Adjustable - 3pc; Right Angle Post Clamp, Fixed 90° Adapter - 10pc; Extra VC1 Clamping Arm - 2pc; Extra VC3 Clamping Arm - 4pc; Small Right Angle Bracket - 5pc.	12	13	26 329,00 K€	342 277,00 K€	Thorlabs	ESK01/M	Posts and Accessories kit including a set of 108 pieces post and accessories of various sizes. Metric. Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 6" (150 mm) Long Stainless Steel Post, Ø0.499", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on the Other End - 10pc; 8" (200 mm) Long Stainless Steel Post, Ø0.499", 1/4"-20 (M6) Tapped Hole on One End, Removable 8-32 (M4) Threaded Stud on Other End - 10pc; Slip-On Post Collar for Ø1/2" Posts - 10pc; Small V-Clamp, One PM3 Included - 2pc; Large V-Clamp, One PM3 Included - 2pc; Swivel Post Clamp, 360° Continuously Adjustable - 3pc; Right Angle Post Clamp, Fixed 90° Adapter - 10pc; Extra VC1 Clamping Arm - 2pc; Extra VC3 Clamping Arm - 4pc; Small Right Angle Bracket - 5pc.
112		Bases and Post Holders kit including a set of about 100 pieces of various sizes. Metric. Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 25 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 40 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 50 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 75 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 100 mm; Ø12.7 mm; 5pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 150 mm; Ø12.7 mm; 5pc L-Shape General Purpose Table Clamp; 20pc Mounting Base: 25 mm x 75 mm x 10 mm; 10pc Mounting Base: 25 mm x 58 mm x 10 mm; 10pc Mounting Base: 50 mm x 75 mm x 10 mm; 10pc 9 Drawer Stackable Cabinet; 1pc.	12	14	19 059,00 K€	266 826,00 K€	Thorlabs	ESK01/M	Bases and Post Holders kit including a set of about 100 pieces of various sizes. Metric. Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 25 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 40 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 50 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 75 mm; Ø12.7 mm; 10pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 100 mm; Ø12.7 mm; 5pc Post Holder with Spring-Loaded Hex Locking Thumbscrew, L= 150 mm; Ø12.7 mm; 5pc L-Shape General Purpose Table Clamp; 20pc Mounting Base: 25 mm x 75 mm x 10 mm; 10pc Mounting Base: 25 mm x 58 mm x 10 mm; 10pc Mounting Base: 50 mm x 75 mm x 10 mm; 10pc 9 Drawer Stackable Cabinet; 1pc.
113	glass lens 2" f=60mm	lens Ø2 inch, plano-convex, focal length ~60 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.	2	2	885,00 K€	1 770,00 K€	Thorlabs	LA1401	lens Ø2 inch, plano-convex, focal length ~60 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.
114	glass lens 2" f=100mm	lens Ø2 inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.	2	4	722,00 K€	2 888,00 K€	Thorlabs	LA1050	lens Ø2 inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.
115	glass lens 2" f=150mm	lens Ø2 inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.	2	4	708,00 K€	2 832,00 K€	Thorlabs	LA1417	lens Ø2 inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.
116	glass lens 2" f=200mm	lens Ø2 inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.	2	4	708,00 K€	2 832,00 K€	Thorlabs	LA1979	lens Ø2 inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.
117	glass lens 2" f=250mm	lens Ø2 inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.	2	4	1 116,00 K€	4 464,00 K€	Thorlabs	LA1301	lens Ø2 inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) 1/4, Wavelength Range 350 nm - 2.0 µm.

118	glass lens 2" f=500mm	lens Ø2 inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	4	756,00 Kč	3 024,00 Kč	Thorlabs	LA1380	lens Ø2 inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
119	glass lens 2" f=1000mm	lens Ø2 inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	4	1 062,00 Kč	4 248,00 Kč	Thorlabs	LA1379	lens Ø2 inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
120	glass lens 1" f=50mm	lens Ø1 inch, plano-convex, focal length ~50 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	4	529,00 Kč	2 116,00 Kč	Thorlabs	LA1131	lens Ø1 inch, plano-convex, focal length ~50 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
121	glass lens 1" f=100mm	lens Ø1 inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	502,00 Kč	1 004,00 Kč	Thorlabs	LA1509	lens Ø1 inch, plano-convex, focal length ~100 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
122	glass lens 1" f=150mm	lens Ø1 inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	488,00 Kč	976,00 Kč	Thorlabs	LA1413	lens Ø1 inch, plano-convex, focal length ~150 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
123	glass lens 1" f=200mm	lens Ø1 inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	480,00 Kč	960,00 Kč	Thorlabs	LA1708	lens Ø1 inch, plano-convex, focal length ~200 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
124	glass lens 1" f=250mm	lens Ø1 inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	4 75,00 Kč	950,00 Kč	Thorlabs	LA1401	lens Ø1 inch, plano-convex, focal length ~250 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
125	glass lens 1" f=500mm	lens Ø1 inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	475,00 Kč	950,00 Kč	Thorlabs	LA1508	lens Ø1 inch, plano-convex, focal length ~500 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
126	glass lens 1" f=1000mm	lens Ø1 inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.	2	2	468,00 Kč	936,00 Kč	Thorlabs	LA1454	lens Ø1 inch, plano-convex, focal length ~1000 mm, uncoated, Surface Irregularity (Peak to Valley) $\lambda/4$ , Wavelength Range 350 nm - 2.0 $\mu$ m.
127	Ø1" UV Enhanced Aluminum Mirror	mirror, diameter 2 inch, UV enhanced Aluminum, R>90% for 250-450 nm, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.	2	5	2 396,00 Kč	11 980,00 Kč	Thorlabs	PF20-03-F01	mirror, diameter 2 inch, UV enhanced Aluminum, R>90% for 250-450 nm, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.
128	mirror 1" UV enh. aluminum	mirror, diameter 1 inch, UV enhanced Aluminum, R> 90% for 250-450 nm, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.	2	5	1 266,00 Kč	6 330,00 Kč	Thorlabs	PF10-03-F01	mirror, diameter 1 inch, UV enhanced Aluminum, R> 90% for 250-450 nm, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 3 arc min, damage threshold > 0.3 J/cm <sup>2</sup> at 355 nm, 10 ns, 10 Hz.
129	Ø1" Protected silver Mirror, lower threshold	mirror diameter 2", protected silver coating, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.	2	20	2 027,00 Kč	40 540,00 Kč	Altecnica	1-05-1-0508-8-79A(05)	mirror diameter 2", protected silver coating, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.
130	Ø1" Protected silver Mirror, lower threshold	mirror diameter 1", protected silver coating, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.	2	20	931,00 Kč	18 620,00 Kč	Altecnica	1-05-1-0254-6-79A(05)	mirror diameter 1", protected silver coating, surface flatness $\lambda/10$ , surface quality 40-20 scratch-dig, wedge angle < 5 arc min, laser damage threshold > 1 J/cm <sup>2</sup> at 1064 nm.
131	polarizer Ø1" ,500-700nm	Ø1" film polarizer, extinction ratio > 100:1 at 400-700 nm, >1000:1 at 500-700 nm, Reflectance over Coating Range (Avg.) < 0.5% at 0° AOI.	2	2	2 253,00 Kč	4 506,00 Kč	Thorlabs	LPVISE100-A	Ø1" film polarizer, extinction ratio > 100:1 at 400-700 nm, >1000:1 at 500-700 nm, Reflectance over Coating Range (Avg.) < 0.5% at 0° AOI.
132	variable circular continuous ND filter 50 mm max OD 2	Circular, Continuously Variable, Reflective Neutral Density Filter for attenuation via rotation, diameter 50mm, Optical density range 0-4, Optical Density Tolerance $\pm$ 5% (At Both Extremes), mounted (on rotation axis attached to 1/2 inch post). Spectral Range 240 - 1200 nm (uncoated).	2	1	9 632,00 Kč	9 652,00 Kč	Thorlabs	NDG-50C-4 + NDC-PM	Circular, Continuously Variable, Reflective Neutral Density Filter for attenuation via rotation, diameter 50mm, Optical density range 0-4, Optical Density Tolerance $\pm$ 5% (At Both Extremes), mounted (on rotation axis attached to 1/2 inch post), Spectral Range 240 - 1200 nm (uncoated).
133	beam splitter 2" 50:50	beam splitter Ø2 inch, split ratio 50:50, fused silica, coating 350 - 1100 nm, thickness 8 mm, Damage Threshold > 10 J/cm <sup>2</sup> (Ø10 mm, 10 ns, 10 Hz, Ø0.130 mm), Splitter Ratio Tolerance $\pm$ 12% Over Entire Wavelength Range.	2	2	7 950,00 Kč	15 900,00 Kč	Thorlabs	BSW27	beam splitter Ø2 inch, split ratio 50:50, fused silica, coating 350 - 1100 nm, thickness 8 mm, Damage Threshold > 10 J/cm <sup>2</sup> (Ø10 mm, 10 ns, 10 Hz, Ø0.130 mm), Splitter Ratio Tolerance $\pm$ 12% Over Entire Wavelength Range.
134	Aluminum Breadboard, 100 mm x 300 mm	Aluminum Breadboard, 100 mm x 300 mm x 12.7 mm, M6 Taps.	12	2	1 393,00 Kč	2 786,00 Kč	Newport	M-5A2-04K12	Aluminum Breadboard, 100 mm x 300 mm x 12.7 mm, M6 Taps.
135	Aluminum Breadboard, 300 mm x 300 mm	Aluminum Breadboard, 300 mm x 300 mm x 12.7 mm, M6 Taps.	12	2	3 192,00 Kč	6 384,00 Kč	Newport	M-5A2-11	Aluminum Breadboard, 300 mm x 300 mm x 12.7 mm, M6 Taps.
136	Position-Maintaining Post Collar	Position-Maintaining Post Collar for Ø1/2" Posts and Post Holders, Maintain the established height and rotational orientation of a Ø1/2" Post and Post Holder, $\pm$ 0.5° Angular Repeatability.	12	2	632,00 Kč	1 264,00 Kč	Thorlabs	RMC	Position-Maintaining Post Collar for Ø1/2" Posts and Post Holders, Maintain the established height and rotational orientation of a Ø1/2" Post and Post Holder, $\pm$ 0.5° Angular Repeatability.
137	45° Angle Clamp, RH	Right Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).	12	3	294,00 Kč	882,00 Kč	Thorlabs	RA45/RM	Right Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).
138	45° Angle Clamp, LH	Left Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).	12	3	294,00 Kč	882,00 Kč	Thorlabs	RA135/LM	Left Handed 45° Angle Clamp for Ø1/2" Posts, 5 mm Hex (lockable clamp for mounting two posts together).
139	90° Angle Clamp, TOP	90° Angle Clamp for Ø1/2" Posts, 5 mm Hex, M6 Stud (lockable clamp for mounting two posts together perpendicular in one plane).	12	3	260,00 Kč	780,00 Kč	Thorlabs	RA180/TM	90° Angle Clamp for Ø1/2" Posts, 5 mm Hex, M6 Stud (lockable clamp for mounting two posts together perpendicular in one plane).
140	90° Angle Clamp, 25 mm	90° Angle Clamp for Ø1/2" and 25 mm Posts, 5 mm Hex (lockable clamp for mounting two posts Ø1/2" and 25 mm together perpendicular).	12	4	645,00 Kč	2 580,00 Kč	Thorlabs	RA90RS/M	90° Angle Clamp for Ø1/2" and 25 mm Posts, 5 mm Hex (lockable clamp for mounting two posts Ø1/2" and 25 mm together perpendicular).
141	Base Position Retainer	Pedestal Post Position Retainer, Re-Alignment Based on Three Contact Points, 43.8 mm Long and 3.2 mm Thick.	12	3	227,00 Kč	681,00 Kč	Thorlabs	RSPC	Pedestal Post Position Retainer, Re-Alignment Based on Three Contact Points, 43.8 mm Long and 3.2 mm Thick.
142	Centered Post Joist	Centered Mounting Post Joist, M4 counterbored slots, centered M4 counterbore for post mounting.	12	3	417,00 Kč	1 251,00 Kč	Thorlabs	PI301/M	Centered Mounting Post Joist, M4 counterbored slots, centered M4 counterbore for post mounting.
143	Offset Post Joist	Offset Mounting Post Joist, M4 Mounting Hardware, Two M4 counterbored slots with opposite orientations, one for post mounting and one for mounting optomechanical components. Allows an optic to be offset by 10.16 mm - 68.58 mm from the post center.	12	4	392,00 Kč	1 568,00 Kč	Thorlabs	PI302/M	Offset Mounting Post Joist, M4 Mounting Hardware, Two M4 counterbored slots with opposite orientations, one for post mounting and one for mounting optomechanical components. Allows an optic to be offset by 10.16 mm - 68.58 mm from the post center.
144	5 mm Hex-Locking Thumbscrew	Spring-Loaded 5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread.	12	15	304,00 Kč	4 560,00 Kč	Thorlabs	TS6H/M	Spring-Loaded 5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread.
145	M4 to M6 Adapter	Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads.	12	15	104,00 Kč	1 560,00 Kč	Thorlabs	AE4M6M	Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads.
146	pillar post extension L= 12,5mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=12.5 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.	12	6	430,00 Kč	2 580,00 Kč	Thorlabs	RS12/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=12.5 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.
147	pillar post extension L=19mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=19 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.	12	6	444,00 Kč	2 664,00 Kč	Thorlabs	RS19/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=19 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.
148	pillar post extension L=25mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=25 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.	12	6	468,00 Kč	2 808,00 Kč	Thorlabs	RS25/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=25 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.
149	pillar post extension L=38mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=38 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.	12	6	531,00 Kč	3 186,00 Kč	Thorlabs	RS38/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=38 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads Included.

150	pillar post extension L=50mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=50 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10	545,00 Kč	5 450,00 Kč	Thorlabs	RS50/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=50 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.
151	pillar post extension L=75mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=75 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	6	594,00 Kč	3 564,00 Kč	Thorlabs	RS75/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=75 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.
152	pillar post extension L=100mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=100 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10	659,00 Kč	6 590,00 Kč	Thorlabs	RS100/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=100 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.
153	pillar post extension L=150mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=150 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	18	749,00 Kč	13 482,00 Kč	Thorlabs	RS150/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=150 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.
154	pillar post extension L=300mm	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=300 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.	12	10	1 382,00 Kč	13 820,00 Kč	Thorlabs	RS300/M	pillar post extension (Ø25 mm) Solid Nonmagnetic Stainless Steel Construction tapped on both ends with a M6 tapped hole. Posts can be either directly threaded into the optical table or secured in Ø1" post mounts, diameter 25 mm, metric, L=300 mm, Dual Threaded Adapter with Internal M4 x 0.7 Threads and External M6 x 1.0 Threads included.
155	Ø25 mm Post Spacer, L=5 mm	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 5 mm, M6 Clearance Hole.	12	10	233,00 Kč	2 330,00 Kč	Thorlabs	RS5/M	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 5 mm, M6 Clearance Hole.
156	Ø25 mm Post Spacer, L=10 mm	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 10 mm, M6 Clearance Hole.	12	10	286,00 Kč	2 860,00 Kč	Thorlabs	RS10/M	Ø25 mm Post Spacer for 25 mm pillars, Thickness = 10 mm, M6 Clearance Hole.
157	Post Mounting Clamp for Ø25 mm Post	Post Mounting Clamp for Ø25 mm Post, 50.8 mm x 50.8 mm Mounting Plate, M6 Tapped Holes (Qty. 24), M4 Tapped Holes (Qty. 25).	12	2	1 899,00 Kč	3 798,00 Kč	Thorlabs	C1001/M	Post Mounting Clamp for Ø25 mm Post, 50.8 mm x 50.8 mm Mounting Plate, M6 Tapped Holes (Qty. 24), M4 Tapped Holes (Qty. 25).
158	Quick Release Handle	Quick Release Handle for Ø25.0 mm or Ø1.5" Post Clamps, M6 Clampin Screw with handle.	12	2	241,00 Kč	482,00 Kč	Thorlabs	C150R/M	Quick Release Handle for Ø25.0 mm or Ø1.5" Post Clamps, M6 Clampin Screw with handle.
159	Ø1.5" Mounting Post L=25mm	Ø1.5" Mounting Post, M6 Taps, L = 25 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	6	493,00 Kč	2 958,00 Kč	Thorlabs	P25/M	Ø1.5" Mounting Post, M6 Taps, L = 25 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
160	Ø1.5" Mounting Post L=30mm	Ø1.5" Mounting Post, M6 Taps, L = 30 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	4	555,00 Kč	2 220,00 Kč	Thorlabs	P30/M	Ø1.5" Mounting Post, M6 Taps, L = 30 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
161	Ø1.5" Mounting Post L=50mm	Ø1.5" Mounting Post, M6 Taps, L = 50 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14	659,00 Kč	9 226,00 Kč	Thorlabs	P50/M	Ø1.5" Mounting Post, M6 Taps, L = 50 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
162	Ø1.5" Mounting Post L=75mm	Ø1.5" Mounting Post, M6 Taps, L = 75 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	12	837,00 Kč	10 044,00 Kč	Thorlabs	P75/M	Ø1.5" Mounting Post, M6 Taps, L = 75 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
163	Ø1.5" Mounting Post L=100mm	Ø1.5" Mounting Post, M6 Taps, L = 100 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14	960,00 Kč	13 440,00 Kč	Thorlabs	P100/M	Ø1.5" Mounting Post, M6 Taps, L = 100 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
164	Ø1.5" Mounting Post L=125mm	Ø1.5" Mounting Post, M6 Taps, L = 125 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	12	1 136,00 Kč	13 392,00 Kč	Thorlabs	P125/M	Ø1.5" Mounting Post, M6 Taps, L = 125 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
165	Ø1.5" Mounting Post L=150mm	Ø1.5" Mounting Post, M6 Taps, L = 150 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14	1 239,00 Kč	17 346,00 Kč	Thorlabs	P150/M	Ø1.5" Mounting Post, M6 Taps, L = 150 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
166	Ø1.5" Mounting Post L=200mm	Ø1.5" Mounting Post, M6 Taps, L = 200 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	14	1 368,00 Kč	19 152,00 Kč	Thorlabs	P200/M	Ø1.5" Mounting Post, M6 Taps, L = 200 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
167	Ø1.5" Mounting Post L=250mm	Ø1.5" Mounting Post, M6 Taps, L = 250 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	8	1 722,00 Kč	13 776,00 Kč	Thorlabs	P250/M	Ø1.5" Mounting Post, M6 Taps, L = 250 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
168	Ø1.5" Mounting Post L=300mm	Ø1.5" Mounting Post, M6 Taps, L = 300 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	10	1 994,00 Kč	19 940,00 Kč	Thorlabs	P300/M	Ø1.5" Mounting Post, M6 Taps, L = 300 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
169	Ø1.5" Mounting Post L=350mm	Ø1.5" Mounting Post, M6 Taps, L = 350 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.	12	8	2 226,00 Kč	17 808,00 Kč	Thorlabs	P350/M	Ø1.5" Mounting Post, M6 Taps, L = 350 mm, Solid Nonmagnetic Stainless Steel, tapped on both ends with a M6 tapped hole.
170	Ø1.5" Mounting Post Extension L=5mm	Ø1.5" Mounting Post Spacer, Height = 5 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.	12	15	208,00 Kč	3 120,00 Kč	Thorlabs	P55M	Ø1.5" Mounting Post Spacer, Height = 5 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.
171	Ø1.5" Mounting Post Extension L=10mm	Ø1.5" Mounting Post Spacer, Height = 10 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.	12	15	223,00 Kč	3 345,00 Kč	Thorlabs	P10M	Ø1.5" Mounting Post Spacer, Height = 10 mm, Nonmagnetic Stainless Steel Construction, M6 tapped hole.
172	Ø1.5" Post Pedestal Base Adapter	Studded Pedestal Base Adapter, M6 x 1.0 Thread, Compatible with Ø1.5" Mounting Posts	12	18	313,00 Kč	5 634,00 Kč	Thorlabs	P8A/M	Studded Pedestal Base Adapter, M6 x 1.0 Thread, Compatible with Ø1.5" Mounting Posts
173	Clamping Fork for Ø1.5" Pedestal Post	Clamping Fork for Ø1.5" Pedestal Post or Post Pedestal Base Adapter, Universal, For mounting Ø1.5" Post Pedestal Base Adapter to an optical table.	12	18	441,00 Kč	7 938,00 Kč	Thorlabs	PF175	Clamping Fork for Ø1.5" Pedestal Post or Post Pedestal Base Adapter, Universal, For mounting Ø1.5" Post Pedestal Base Adapter to an optical table.
174	Ø1.5" Post Base	Metric Mounting Post Base for Ø1.5" Mounting Posts, Ø61 mm x 12.7 mm Thick, Four counterbored slots.	12	12	678,00 Kč	8 136,00 Kč	Thorlabs	PB2/M	Metric Mounting Post Base for Ø1.5" Mounting Posts, Ø61 mm x 12.7 mm Thick, Four counterbored slots.
175	Ø1.5" Post Mounting Clamp	Ø1.5" Post Mounting Clamp, 63.5 mm x 63.5 mm, Metric, Removable Front Plate with Tapped Holes M6 x 1.0 and M4 x 0.7, Quick-release handle for securing the clamp to a post.	12	2	1 620,00 Kč	3 240,00 Kč	Thorlabs	C1511/M	Ø1.5" Post Mounting Clamp, 63.5 mm x 63.5 mm, Metric, Removable Front Plate with Tapped Holes M6 x 1.0 and M4 x 0.7, Quick-release handle for securing the clamp to a post.
176	Adapter Plate for Ø1.5" Post Mounting Clamp	Spare Adapter Plate for Ø1.5" Post Mounting Clamp, 112.5 mm x 112.5 mm, Metric, Tapped Holes M6 x 1.0 (71 x).	12	1	2 273,00 Kč	2 273,00 Kč	Thorlabs	C1545/M	Spare Adapter Plate for Ø1.5" Post Mounting Clamp, 112.5 mm x 112.5 mm, Metric, Tapped Holes M6 x 1.0 (71 x).
177	Kinematic Base 50 mm x 50 mm	Complete 50 mm x 50 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.	12	8	2 022,00 Kč	16 176,00 Kč	Thorlabs	KB50/M	Complete 50 mm x 50 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.
178	Kinematic Base 75 mm x 75 mm	Complete 75 mm x 75 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 82 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.	12	8	2 287,00 Kč	18 296,00 Kč	Thorlabs	KB75/M	Complete 75 mm x 75 mm Kinematic Base, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 82 µm Lateral Repeatability, M6 Mounting, M6 and M4 Tapped Holes.
179	Kinematic Breadboard 100 mm x 100 mm	Complete, Switchable Magnetic Kinematic Breadboard, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, Magnetic Holding Force of 16.8 lbs.	12	3	7 242,00 Kč	21 726,00 Kč	Thorlabs	KB101/M	Complete, Switchable Magnetic Kinematic Breadboard, Magnetically Coupled Top and Bottom Plate, 30 µrad Angular Repeatability, 30 µm Lateral Repeatability, M6 Mounting, Magnetic Holding Force of 16.8 lbs.
180	Right-Angle Bracket	Right-Angle Bracket with M6 Counterbored Slots and M6 Tapped Holes on Each Side.	12	3	651,00 Kč	1 953,00 Kč	Thorlabs	ARB90A/M	Right-Angle Bracket with M6 Counterbored Slots and M6 Tapped Holes on Each Side.
181	Slim Right-Angle Bracket	Slim Right-Angle Bracket with M6 Counterbored & M6 Tapped Holes.	12	1	631,00 Kč	651,00 Kč	Thorlabs	ARB90B/M	Slim Right-Angle Bracket with M6 Counterbored & M6 Tapped Holes.
182	Slim Right-Angle Bracket, Slot-Holes	Slim Right-Angle Bracket with M6 Counterbored Slot on one side, M6 Tapped Holes on other side.	12	1	651,00 Kč	651,00 Kč	Thorlabs	ARB90C/M	Slim Right-Angle Bracket with M6 Counterbored Slot on one side, M6 Tapped Holes on other side.



183	Right-Angle Bracket, Medium	Right-Angle Mounting Plate, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.	12	6	1 974,00 Kč	11 844,00 Kč	Thorlabs	AP90/M	Right-Angle Mounting Plate, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.
184	Right-Angle Bracket, Large	Large Right-Angle Mounting Plate, Min. 200 mm long, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.	12	1	2 995,00 Kč	2 995,00 Kč	Thorlabs	AP90/L	Large Right-Angle Mounting Plate, Min. 200 mm long, M6 x 1.0 Compatible, M6 clearance slots, M6 tapped holes, Parallel and Perpendicular to Within 0.05 mm.
185	Iris 0.7-5mm	Lever-Actuated Iris Diaphragm (Ø0.7 - Ø5 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2	1 164,00 Kč	2 328,00 Kč	Thorlabs	ID8/M	Lever-Actuated Iris Diaphragm (Ø0.7 - Ø5 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.
186	Iris 0.8-12mm	Lever-Actuated Iris Diaphragm (Ø0.8 - Ø12 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2	1 157,00 Kč	2 314,00 Kč	Thorlabs	ID12/M	Lever-Actuated Iris Diaphragm (Ø0.8 - Ø12 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.
187	Iris 0.8-25mm zero aperture	Lever-Actuated Iris Diaphragm, zero min. aperture (Ø0 - Ø25 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2	1 736,00 Kč	3 472,00 Kč	Thorlabs	ID25Z/M	Lever-Actuated Iris Diaphragm, zero min. aperture (Ø0 - Ø25 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.
188	Iris 0.8-25mm	Lever-Actuated Iris Diaphragm (Ø1 - Ø25 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	20	1 395,00 Kč	27 900,00 Kč	Thorlabs	ID25/M	Lever-Actuated Iris Diaphragm (Ø1 - Ø25 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.
189	Iris 2-50mm	Lever-Actuated Iris Diaphragm (Ø2 - Ø50 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.	12	2	2 968,00 Kč	5 936,00 Kč	Thorlabs	ID50/M	Lever-Actuated Iris Diaphragm (Ø2 - Ø50 mm), Black Spring Steel Leaves, mounted on a Ø12.7 mm post, metric.
190	12.7 mm XYZ Translation Stage	12.7 mm XYZ Translation Stage with Standard Micrometers, M6 Taps, Resolution: 500 µm Translation per Revolution.	12	1	20 543,00 Kč	20 543,00 Kč	Newport	M-660A-XYZ + 3x SM-13	12.7 mm XYZ Translation Stage with Standard Micrometers, M6 Taps, Resolution: 500 µm Translation per Revolution.
191	12.7 mm Linear Translation Stage	12.7 mm Translation Stage with Standard Micrometer, M6 Taps, Resolution: 500 µm Translation per Revolution.	12	3	5 455,00 Kč	16 365,00 Kč	Newport	M-660A-X + SM-13	12.7 mm Translation Stage with Standard Micrometer, M6 Taps, Resolution: 500 µm Translation per Revolution.
192	12.7 mm Linear Translation Stage, Differential Adjusters	12.7 mm Translation Stage with Differential Adjuster, M6 Taps, Coarse Resolution: 500 µm Translation per Revolution, Fine Resolution: 25 µm Translation per Revolution, Fine Range 250 µm.	12	1	9 693,00 Kč	9 693,00 Kč	Thorlabs	MT1A/M	12.7 mm Translation Stage with Differential Adjuster, M6 Taps, Coarse Resolution: 500 µm Translation per Revolution, Fine Resolution: 25 µm Translation per Revolution, Fine Range 250 µm.
193	25 mm Travel Dovetail Translation Stage	25 mm Dovetail Translation Stage, M6 Taps, Angular Deviation: ±150 µrad, Straightness: Horizontal: ±10.00 µm, Vertical: ±5.00 µm, Stiffness: Pitch: 200.00 µrad / N-m, Yaw: 725.00 µrad / N-m, Load Capacity: 44 kg (Horizontal), 10 kg (Vertical).	12	3	4 547,00 Kč	13 641,00 Kč	Thorlabs	DT5A/M	25 mm Dovetail Translation Stage, M6 Taps, Angular Deviation: ±150 µrad, Straightness: Horizontal: ±10.00 µm, Vertical: ±5.00 µm, Stiffness: Pitch: 200.00 µrad / N-m, Yaw: 725.00 µrad / N-m, Load Capacity: 44 kg (Horizontal), 10 kg (Vertical).
194	High Precision Rotation Mount	360° Rotation Platform, Micrometer Driven, 2.4 arcmin Resolution per Division, M6 and M4 Taps, SM1-Threaded Center Hole Accepts Ø1" (Ø25.4 mm) Optics up to 17 mm Thick.	12	2	7 486,00 Kč	14 972,00 Kč	Newport	M-481-A	360° Rotation Platform, Micrometer Driven, 2.4 arcmin Resolution per Division, M6 and M4 Taps, SM1-Threaded Center Hole Accepts Ø1" (Ø25.4 mm) Optics up to 17 mm Thick.
195	Compact Dual Filter Holder	Compact Dual Filter Holder, M4 Tapped Hole, Compact Size: 8 mm x 12.7 mm x 30 mm.	12	6	373,00 Kč	2 238,00 Kč	Thorlabs	DH1/M	Compact Dual Filter Holder, M4 Tapped Hole, Compact Size: 8 mm x 12.7 mm x 30 mm.
196	Filter Holder	Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 2 mm, M4 Tapped Hole.	12	4	479,00 Kč	1 916,00 Kč	Thorlabs	FI2	Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 2 mm, M4 Tapped Hole.
197	Dual Filter Holder	Dual Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 1.5 mm, M4 Tapped Hole.	12	12	694,00 Kč	8 328,00 Kč	Thorlabs	FI2D	Dual Filter Holder, Stackable (Mounting Several Filter Holders Together), Maximum Filter Thickness: 1.5 mm, M4 Tapped Hole.
198	Kinematic Mirror Mount for Ø1" Optics	Kinematic Mirror Mount for Ø1" Optics, Angular Range: ±4°, Resolution: 8 mrad (0.5°) per rev via, Two Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.	12	25	731,00 Kč	18 275,00 Kč	Newport	M1	Kinematic Mirror Mount for Ø1" Optics, Angular Range: ±4°, Resolution: 8 mrad (0.5°) per rev via, Two Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.
199	Kinematic Mirror Mount for Ø2" Optics	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.	12	25	3 240,00 Kč	81 000,00 Kč	Thorlabs	K52	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation.
200	Kinematic Mirror Mount for Ø2" Optics, SM Threaded	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation, SM2 thread inside.	12	2	3 512,00 Kč	7 024,00 Kč	Thorlabs	K52T	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.3°) per rev via, Six Counterbored M4 Through Holes Allow for Left- or Right-Handed Orientation, SM2 thread inside.
201	Fixed Ø25 mm Optical Mount, Metric	Fixed Ø25 mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 3.73 mm.	12	7	345,00 Kč	2 415,00 Kč	Newport	M-1H-3A	Fixed Ø25 mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 3.73 mm.
202	Fixed Ø50.8 mm Optical Mount, Metric	Fixed Ø50.8 mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 5.76 mm.	12	7	609,00 Kč	4 263,00 Kč	Newport	M-1H-2A	Fixed Ø50.8 mm Optical Mount, Post Mountable via M4 Tapped Hole, Minimum Optic Thickness 5.76 mm.
203	Kinematic Mirror Mount for Ø1" Optics, clear edge	Kinematic Mirror Mount for Ø1" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.	12	5	812,00 Kč	4 060,00 Kč	Newport	M1C	Kinematic Mirror Mount for Ø1" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.
204	Kinematic Mirror Mount for Ø2" Optics, clear edge	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.	12	5	4 004,00 Kč	20 020,00 Kč	Newport	U200-A2K	Kinematic Mirror Mount for Ø2" Optics, Angular Range: ±3°, Resolution: 5 mrad (0.5°) per rev via, one edge of held mirror is let free.
205	Kinematic Mirror Mount for Ø1" Optics, detachable front plate	Kinematic Mirror Mount for Ø1" Optics, front plate with optics detachable with repeatability 10µrad, held in position with magnets.	12	2	2 941,00 Kč	5 882,00 Kč	Thorlabs	K51A	Kinematic Mirror Mount for Ø1" Optics, front plate with optics detachable with repeatability 10µrad, held in position with magnets.
206	Flip mount for Ø1" Optics and filters	Mount for Ø1" Filters and Optics, threaded inside (SM1), allow optics to be easily inserted or removed from the beam path by flipping. Detent mechanism with holding force at the 0° and 90° positions, allow the mount to be locked at any angle, angular repeatability <25 µrad.	12	2	2 028,00 Kč	4 056,00 Kč	Thorlabs	TRF90/M	Mount for Ø1" Filters and Optics, threaded inside (SM1), allow optics to be easily inserted or removed from the beam path by flipping. Detent mechanism with holding force at the 0° and 90° positions, allow the mount to be locked at any angle, angular repeatability <25 µrad.
207	Kinematic Rotation Mount for Ø1" Optics	Kinematic rotation mount with kinematic angular adjustment and rotation in one mount, 1/4"-80 lockable adjusters for ±4° of angular adjustment, engraved rotation scale with 2° graduations, 360° rotation, SM1-Threaded Rotation Ring with Locking Screw.	12	1	5 977,00 Kč	5 977,00 Kč	Newport	M1-1PR	Kinematic rotation mount with kinematic angular adjustment and rotation in one mount, 1/4"-80 lockable adjusters for ±4° of angular adjustment, engraved rotation scale with 2° graduations, 360° rotation, SM1-Threaded Rotation Ring with Locking Screw.
208	Large Goniometer, Dual Axis	Dual-Axis Goniometer GN20/M, 25.4 mm Distance to Point of Rotation, Metric, Range: ±5°, Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.	12	2	12 987,00 Kč	25 974,00 Kč	Thorlabs	GN20/M	Dual-Axis Goniometer GN20/M, 25.4 mm Distance to Point of Rotation, Metric, Range: ±5°, Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.
209	Large Goniometer	Large Goniometer, 25.4 mm Distance to Point of Rotation, Range: ±10°, Metric, Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.	12	3	6 998,00 Kč	19 194,00 Kč	Thorlabs	GN10	Large Goniometer, 25.4 mm Distance to Point of Rotation, Range: ±10°, Metric, Accuracy: 10 arcmin, Removable mounting plate, Top Mounting Platform 38.1 mm x 38.1 mm, M4 Mounting Holes.
210	Laser Diode Modules	Wavelength 520 nm, Output Power >3 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.	12	2	5 238,00 Kč	10 476,00 Kč	Thorlabs	CP5520 + AD11NF + LDP5-EC	Wavelength 520 nm, Output Power >3 mW, Collimated, elliptical beam profile, including holder/adaptor for 1" mirror mount and power supply.
211	absorptive ND filter kit, 2x2", set of 10	2x2" rectangular absorptive ND filter kit, Box with 10 unmounted ND Filters, Included OD: 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, including box.	2	1	19 277,00 Kč	19 277,00 Kč	Thorlabs	NFR015	2x2" rectangular absorptive ND filter kit, Box with 10 unmounted ND Filters, Included OD: 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, including box.
212	absorptive near IR ND filter kit, 2x2", set of 10	2x2" rectangular absorptive near IR ND filter kit, Box with 10 unmounted ND Filters, wavelength range 800 - 2700 nm, included OD for 1550 nm approx.: 0.1, 0.15, 0.3, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, 5. Including box.	2	1	21 043,00 Kč	21 043,00 Kč	Thorlabs	NENR202B-2500-KT03	2x2" rectangular absorptive near IR ND filter kit, Box with 10 unmounted ND Filters, wavelength range 800 - 2700 nm, included OD for 1550 nm approx.: 0.1, 0.15, 0.3, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0, 5. Including box.
213	Ø25 mm reflective ND filter kit, set of 10	Ø25 mm reflective ND filter kit, Box with 10 UVFS (substrate transmission 200-1100 nm) Reflective Ø25 mm mounted ND Filters, Included OD: 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0.	2	3	15 982,00 Kč	47 946,00 Kč	Thorlabs	NR001	Ø25 mm reflective ND filter kit, Box with 10 UVFS (substrate transmission 200-1100 nm) Reflective Ø25 mm mounted ND Filters, Included OD: 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 1.0, 2.0, 3.0, 4.0.
214	AI Half Inch posts 20mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 20 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	162,00 Kč	810,00 Kč	Thorlabs	TRAJ0/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 20 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
215	AI all Inch posts 30mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 30 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	162,00 Kč	810,00 Kč	Thorlabs	TRAJ0/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 30 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
216	AI Half Inch posts 40mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 40 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	170,00 Kč	850,00 Kč	Thorlabs	TRAJ0/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 40 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.

217	Al Half Inch posts 50mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 50 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	174,00 Kč	870,00 Kč	Thorlabs	TRA50/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 50 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
218	Al Half Inch posts 75mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	182,00 Kč	910,00 Kč	Thorlabs	TRA75/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
219	Al Half Inch posts 100mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 100 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	195,00 Kč	975,00 Kč	Thorlabs	TRA100/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 100 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
220	Al Half Inch posts 150mm	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 150 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.	12	5	221,00 Kč	1 105,00 Kč	Thorlabs	TRA150/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 150 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Aluminum.
221	Half Inch translating post	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 51.57 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, allowing >6 mm of height adjustment, lockable, non-rotating tip.	12	2	2 253,00 Kč	4 506,00 Kč	Thorlabs	TRT1/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 51.57 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, allowing >6 mm of height adjustment, lockable, non-rotating tip.
222	Graduated half inch post	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, with engraved vertical scale (metric).	12	2	354,00 Kč	708,00 Kč	Thorlabs	TR75E/M	Ø12.7 mm Optical Post, M4 Setscrew, M6 Tap, L = 75 mm, Bottom-Located M6 Tapped Hole and Top-Located M4 Removable Setscrew, Stainless Steel, with engraved vertical scale (metric).
223	Optical Rails, 66mm	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	2	776,00 Kč	1 552,00 Kč	Thorlabs	XT66SP-500	Rail: 500 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.
224	Optical Rails, 66mm, 1m	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.	12	4	1 538,00 Kč	6 152,00 Kč	Thorlabs	XT66P-1000	Rail: 1000 mm Length, 66 mm Construction Rails have a dovetail mounting surface for One-Dimensional Constructions; Objects can be slid along the dovetail before being clamped into place. Clear anodized coating.
225	Rail Platform locator, 66mm	Rail Platform Locator for 66 mm Rails; Slides Along Rail Side Prior to Lockdown; 19 mm of translation; ~320 µm of Translation per Revolution Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit 66 mm rails above.	12	2	926,00 Kč	1 852,00 Kč	Thorlabs	XT66N	Rail Platform Locator for 66 mm Rails; Slides Along Rail Side Prior to Lockdown; 19 mm of translation; ~320 µm of Translation per Revolution Locking Screws Fasten with 2.5 mm Balldriver or Hex Key. Must fit 66 mm rails above.
226	Optical Rails, 34mm	Rail: 200 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3	728,00 Kč	2 184,00 Kč	Thorlabs	XT34-200	Rail: 200 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.
227	Optical Rails, 34mm	Rail: 500 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3	1 457,00 Kč	4 371,00 Kč	Thorlabs	XT34-500	Rail: 500 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.
228	Optical Rails, 34mm	Rail: 1000 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.	12	3	2 287,00 Kč	6 861,00 Kč	Thorlabs	XT34-1000	Rail: 1000 mm Length, 34 mm Construction Rails have a dovetail mounting surface on all four sides for use in one-, two-, or three-dimensional constructions. Objects can be slid along the dovetail before being clamped into place. Clear anodized coating. Ends are tapped with four M3 holes.
229	Double Dovetail Clamp for 34 mm Rails	Clamp Between Rails or Accessories, 30 mm Long Clamp, Must fit 34 mm optical rails above.	12	6	479,00 Kč	2 874,00 Kč	Thorlabs	XT34C2	Clamp Between Rails or Accessories, 30 mm Long Clamp, Must fit 34 mm optical rails above.
230	Right-Angle Bracket, 34mm	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit 34 mm optical rails above, Orient Rails Parallel to Each Other.	12	2	637,00 Kč	1 274,00 Kč	Thorlabs	XT34RA2	Orient 66 mm Rails at 90° in Two or Three Dimensions, Must fit 34 mm optical rails above, Orient Rails Parallel to Each Other.
231	34 mm Rail Carriers for Ø1/2" Posts	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 12.5 mm.	12	4	933,00 Kč	3 732,00 Kč	Thorlabs	XT34TR1/M	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 12.5 mm.
232	34 mm Rail Carriers for Ø1/2" Posts	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 37.5 mm.	12	4	1 041,00 Kč	4 164,00 Kč	Thorlabs	XT34TR3/M	Rail Carrier for 34 mm Rails, holds Ø12.7 mm Optical Post, Spring-Loaded Thumbscrew Post Lock that Slides Along Rail, Must fit optical rails above, distance between rail and post 37.5 mm.
233	Half Inch post 20mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 20 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20	246,00 Kč	4 920,00 Kč	Thorlabs	TR30V/M	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 20 mm, Vacuum compatibility: 1.3*1E-6 mbar.
234	Half Inch post 30mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 30 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20	260,00 Kč	5 200,00 Kč	Thorlabs	TR30V/M	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 30 mm, Vacuum compatibility: 1.3*1E-6 mbar.
235	Half Inch post 40mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 40 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	20	308,00 Kč	6 160,00 Kč	Thorlabs	TR40V/M	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 40 mm, Vacuum compatibility: 1.3*1E-6 mbar.
236	Half Inch post 50mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 50 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	15	316,00 Kč	4 740,00 Kč	Thorlabs	TR50V/M	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 50 mm, Vacuum compatibility: 1.3*1E-6 mbar.
237	Half Inch post 75mm, vacuum	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 75 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	15	327,00 Kč	4 905,00 Kč	Thorlabs	TR75V/M	Ø12.7 mm Optical Post, Stainless steel, M4 Setscrew, M6 Tap, L = 75 mm, Vacuum compatibility: 1.3*1E-6 mbar.
238	post holder 20mm, vacuum	Post Holder with Hex Locking Thumbscrew, L = 20 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.	12	15	742,00 Kč	11 130,00 Kč	Thorlabs	PH20V/M	Post Holder with Hex Locking Thumbscrew, L = 20 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.
239	post holder 30mm, vacuum	Post Holder with Hex Locking Thumbscrew, L = 30 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.	12	15	749,00 Kč	11 235,00 Kč	Thorlabs	PH30V/M	Post Holder with Hex Locking Thumbscrew, L = 30 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.
240	post holder 40mm, vacuum	Post Holder with Hex Locking Thumbscrew, L = 40 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.	12	15	776,00 Kč	11 640,00 Kč	Thorlabs	PH40V/M	Post Holder with Hex Locking Thumbscrew, L = 40 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.
241	post holder 50mm, vacuum	Post Holder with Hex Locking Thumbscrew, L = 50 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.	12	15	790,00 Kč	11 850,00 Kč	Thorlabs	PH50V/M	Post Holder with Hex Locking Thumbscrew, L = 50 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.
242	post holder 75mm, vacuum	Post Holder with Hex Locking Thumbscrew, L = 75 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.	12	15	858,00 Kč	12 870,00 Kč	Thorlabs	PH75V/M	Post Holder with Hex Locking Thumbscrew, L = 75 mm, wide relief cut that provides two lines of contact for highly stable post mounting. Vacuum compatibility: 1.3*1E-6 mbar.
243	mounting base 1, vacuum	Mounting Base, 25 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30	310,00 Kč	9 300,00 Kč	Thorlabs	BA1V/M	Mounting Base, 25 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.
244	mounting base 2, vacuum	Mounting Base, 25 mm x 58 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30	310,00 Kč	9 300,00 Kč	Thorlabs	BA2V/M	Mounting Base, 25 mm x 58 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.
245	mounting base 3, vacuum	Mounting Base, 50 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.	12	30	436,00 Kč	13 080,00 Kč	Thorlabs	BA3V/M	Mounting Base, 50 mm x 75 mm x 10 mm, Vacuum compatibility: 1.3*1E-6 mbar.
246	vacuum thumbscrews	5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread, Vacuum compatibility: 1.3*1E-6 mbar.	12	50	133,00 Kč	6 650,00 Kč	Thorlabs	TS50V/M	5 mm Hex-Locking Thumbscrew, M6 x 1.0 Thread, Vacuum compatibility: 1.3*1E-6 mbar.
247	Piezoelectric Ø1" Mirror Mount	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric- and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perpendicular M4 counterbores. Vacuum compatibility: 1.3*1E-6 mbar.	12	20	20 216,00 Kč	404 320,00 Kč	Thorlabs	POLARIS-K1PZ2	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric- and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perpendicular M4 counterbores. Vacuum compatibility: 1.3*1E-6 mbar.

248	Piezoelectric Ø1" Mirror Mount, 3 adjusters	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perpendicular M4 counterbores, Vacuum compatibility: 1.3*1E-5 mbar.	12	10	25 730,00 Kč	257 300,00 Kč	Thorlabs	POLARIS-K1PZ	Kinematic Mirror Mounts with Piezoelectric Adjusters for 1" optics and minimal optics thickness 2mm, high thermal stability (deviation < 3µrad with 12.5° temperature cycling), 2-Adjuster Piezoelectric and Knob-Driven Design, mechanical angular range ±5°, piezo-adjustable range > 500 µrad, 2 perpendicular M4 counterbores, Vacuum compatibility: 1.3*1E-5 mbar.
249	Kinematic Ø2" Mirror Mount	Kinematic Mirror Mounts for 2" optics, the optic is inserted from the rear side, Three-Point Contact Plate Secures Optic, Hardened Stainless Steel Ball Contacts with Sapphire Seats for Durability, parts made from stainless steel with matched coefficients of thermal expansion, 2 manual 100TPI adjusters, Vacuum compatibility: 1.3*1E-5 mbar.	12	30	7 106,00 Kč	213 180,00 Kč	Thorlabs	POLARIS-K2F1	Kinematic Mirror Mounts for 2" optics, the optic is inserted from the rear side, Three-Point Contact Plate Secures Optic, Hardened Stainless Steel Ball Contacts with Sapphire Seats for Durability, parts made from stainless steel with matched coefficients of thermal expansion, 2 manual 100TPI adjusters, Vacuum compatibility: 1.3*1E-5 mbar.
						7 998 000,00 Kč			