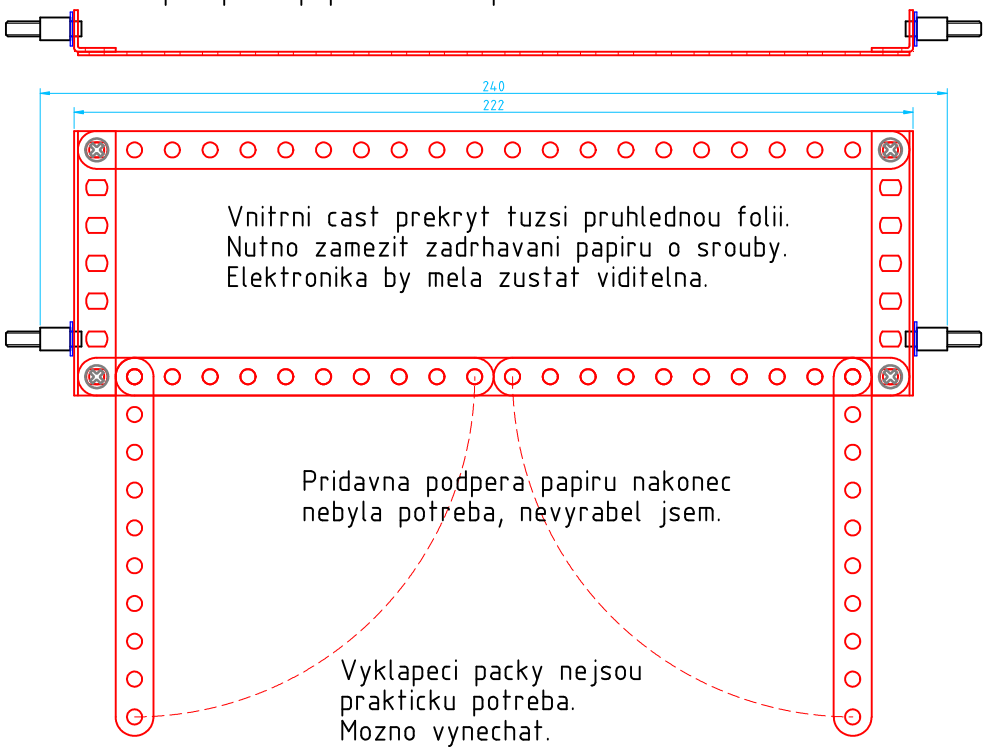
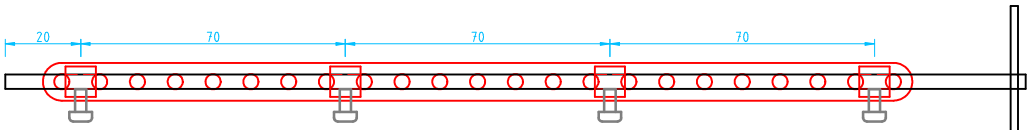
Detail podepreni papiru na vstupu



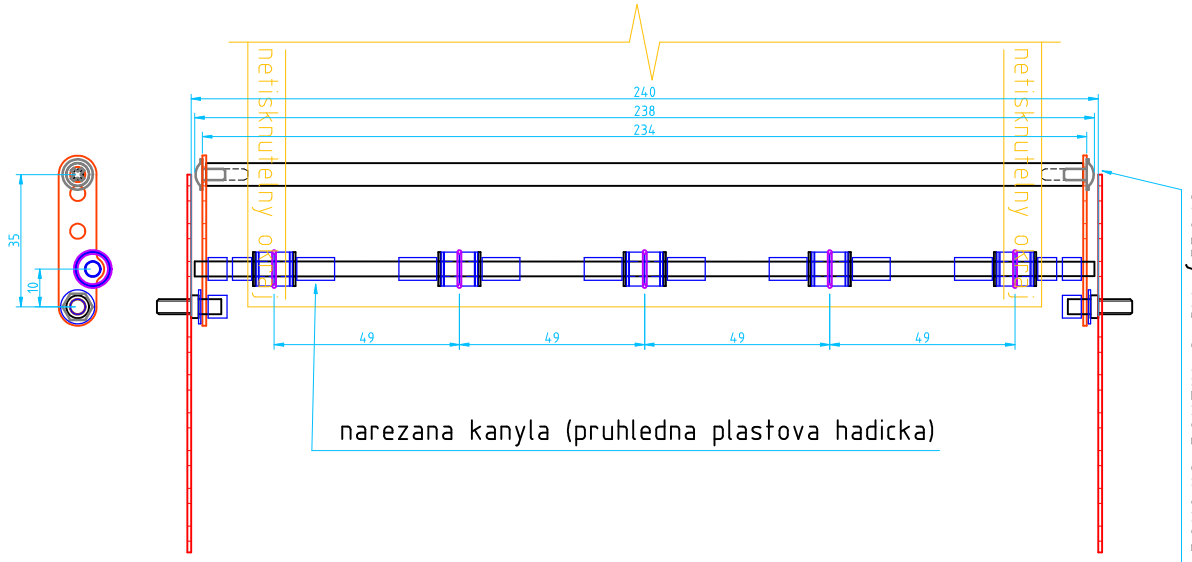
Plastova podlozka tlusta 0.6mm vymezuje vuli mezi cepem a bocnici podpery.

Detail listy pro sklapeni pera



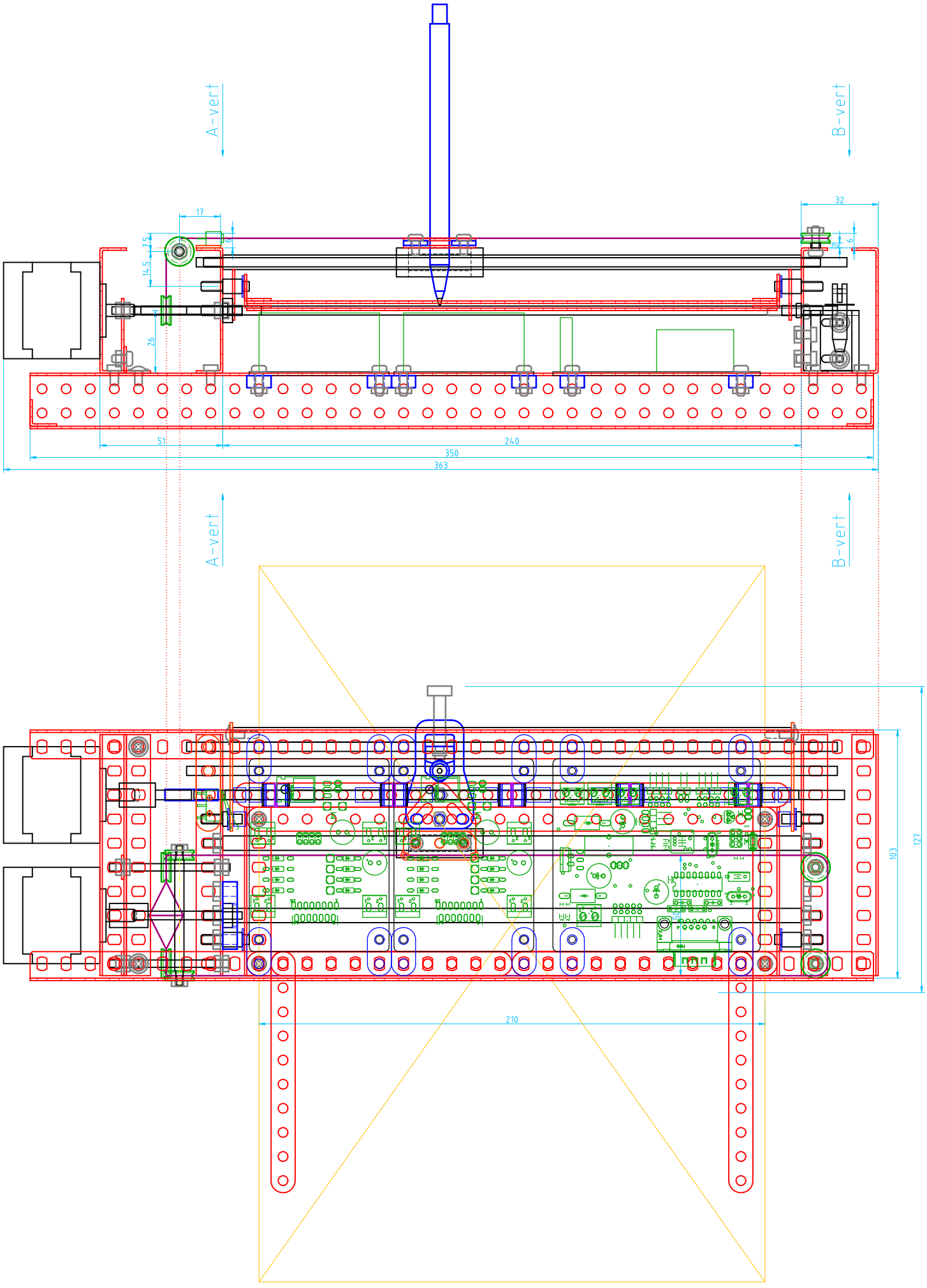
paka z 2mm mosazi, na konci
vyrezat zavit M2 a dvema matkami
prisroubovat k merkurove ose s
2mm otvorem skrz

Sestava pritlaku papiru

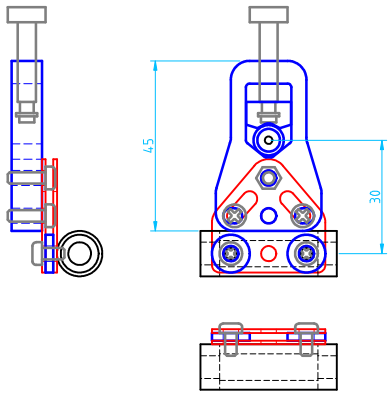


srouby M3 s nizkou sirokou hlavou

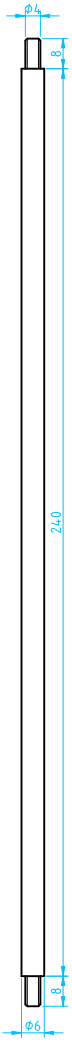
netisknutelny okraj mirne zvelicen, spis pro predstavu
vzdalenost pera od steny, dotyka-li se vozik vnitrni steny je 18mm
tj. pokreslitelna oblast je maximalne 204mm, fyzicky vic nelze,
nechci-li narazet vozikem do okraju, 200mm je bezpecna sirka
zapocitam-li stopu krajnich pritlacnych kolecek, nutno zmensit
na cca 192 - 194mm, pri tisku nutno ponechat cca 8 - 9 mm okraje
zaokrouhleno na 10mm (190mm sirka tisku)
pritlacne valecky mozno posunout cca o 2mm bliz ke krajum papiru


A-vert
B-vert
17
7.5
14.5
26
32
6
51
240
350
363
A-vert
B-vert
103
127
210

Sestava drzaku pera

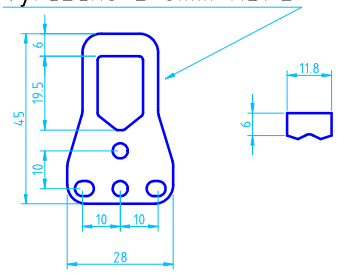


240mm rozperka mezi boky plotru



1 ze 2 kusu slouzi i jako linearni vedeni pro vozik pera, protoze je vyrobena z 6mm hlazene tyce ze stare rozebrane tiskarny

vyrezano z 8mm HDPE



puvodne M5 sroub
osoustruzeny konec na 4mm
vyvrtany otvor a M2 zavit uvnitr

Osoustruzena cast sroubu se musi v pohyblivem plastovem dilu volne otacet.

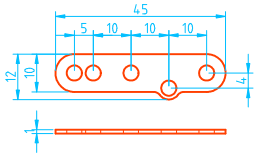
cep pro pritlak papiru

cep pro vstupni podporu papiru

kluznou cast vsech cepu vylestit do hladka

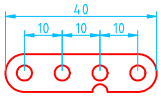
Lze nahradit jen sroubem M3.5, jako to bylo v originalni konstrukci ALFI, ale ulozeni na sroubech bude volnejsi, nepresne a dily se budou o zavit zbytecne opotrebovavat, zavit se poskodi.

paka pritlaku papiru



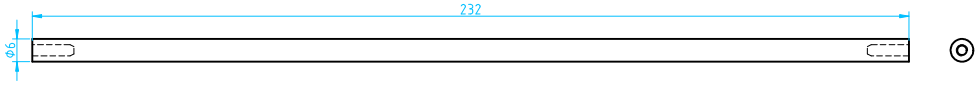
vyrobeno z 1mm mosazneho plechu ve stylu Merkuru

puvodni merkurova paka pritlaku



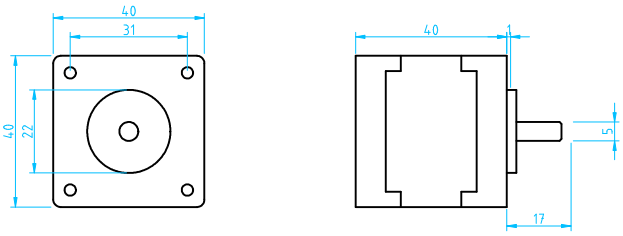
Byla vyrobena upravou 4 dirkoveho pasku, hridel s pritlacnymi valecky nevypadavala jen diky tahu pruzinek a neexistovala moznost paky spojit, aby se celek nekroutil

Rozperka mezi pakami pritlaku papiru



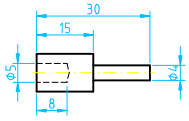
konce osoustruzit kolmo k ose
na koncich udelat vnitrni zavit M3 hluboky cca 8 - 10mm

Krokove motory



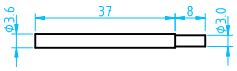
idealne 1.8° (200 kroku/otacku)
priruba NEMA 17

hridelova spojka - posuv papiru



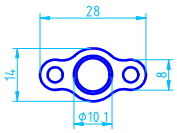
spojka vyrobena z tyce o prumeru cca 9.5mm, ale muze byt cokoli mezi 9-10mm

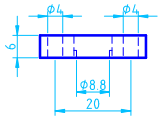
hridel navijaku



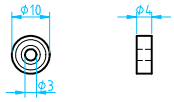
definuje velikost kroku pro posun pera, prumer musi byt po cele delce presny jak jen to je mozne a zaroven musi byt obe casti souose, cast s prumerem 3.0mm musi pasovat do loziska 623

drzak loziska 623



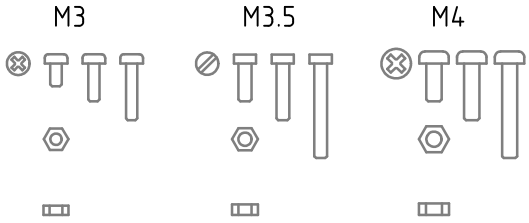


lozisko 623-2Z



musi odpovidat rozmery na prachovkach nezalezi

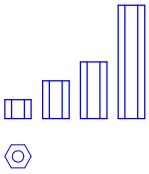
spojovaci material



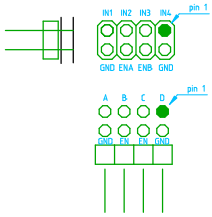
kladka s kulickovym loziskem

koupeno hotove z Ciny na eBay
kvalita pochybna, cca 10% kusu bylo nepouzitelnych, zbyvajici ok

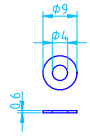
distancni sloupky



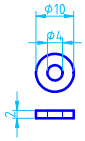
konektor na desce rizeni motoru



plastove podlozky

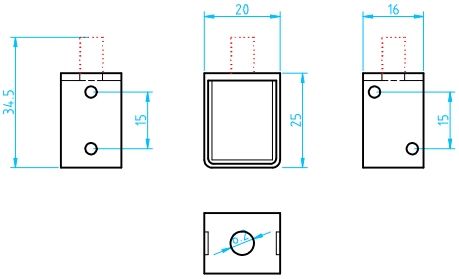


obyc. nylon pod M4

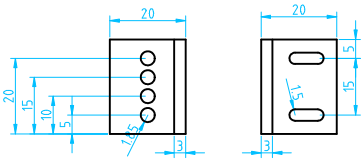


podl. mezi plechy drzaku pera

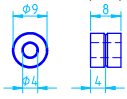
magnet vymontovany z tiskarny



drzak magnetu pera

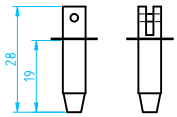


pritlak papiru



gumovy krouzek na pritlacne valecky

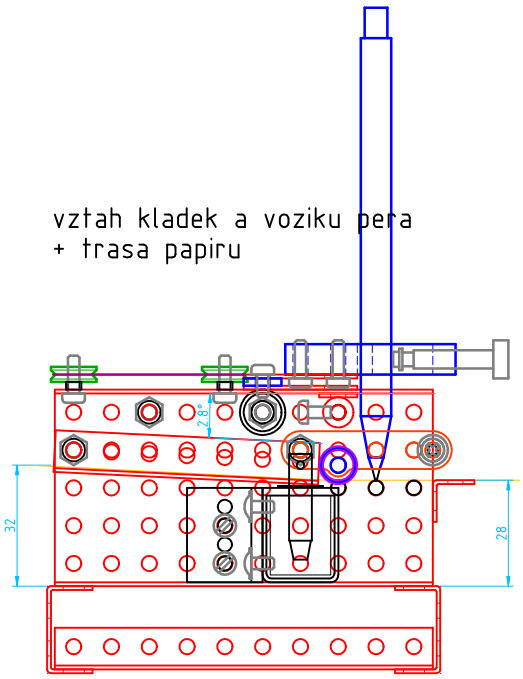
jadro vtahovane do elektromagnetu



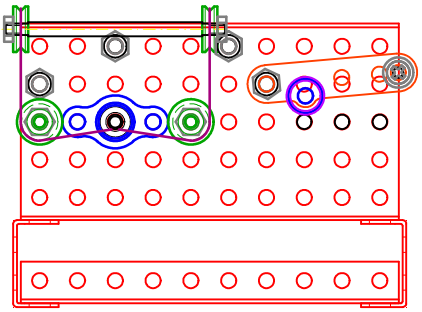
vyrobeno z alu L profilu 20x20
tloustka steny 3mm, muze byt i 2mm

vice otvoru na leve strane a ovalne otvory na prave dovoluji volnejsi motaz pro pripad, ze by nevyhovovala jedna poloha

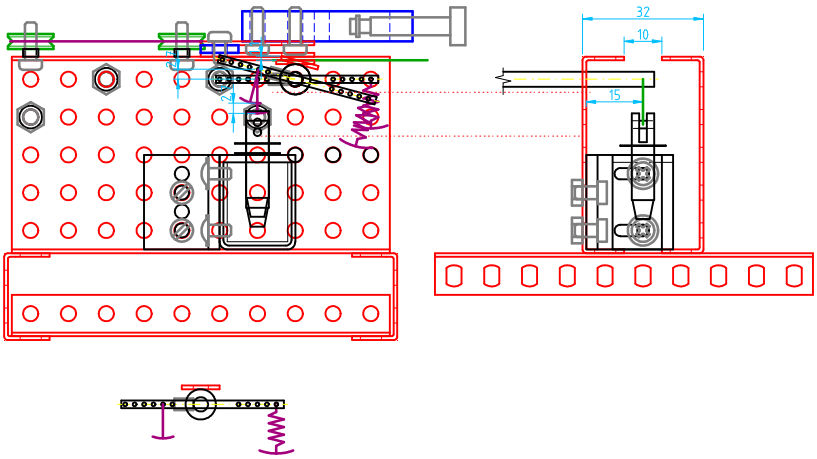
vztah kladek a voziku pera
+ trasa papiru



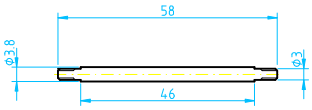
rez A-vert - detail leve vnitrni desky
umisteni kladek a pritlaku papiru

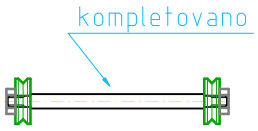


rez B-vert - detail sestavy magnetu



osa pro kladky od pera k navijaku

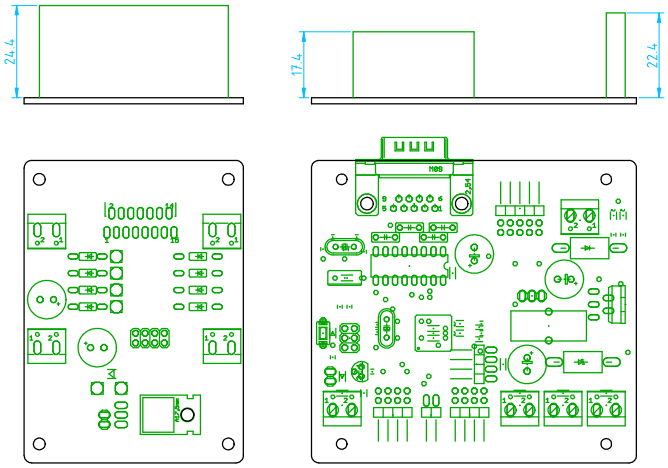




vyrobeno z merkurove hridelky 70mm
zkratit na cca 60mm, osoustruzit a vyrezat zavit M3
zavit nedosahuje az k casti s puvodnim prumerem 3.8mm
musi zustat asi 2 - 3mm pro presnejsi usazeni kladek
vzdalenost hran 46mm je dulezita, vymezuje polohu vlasce

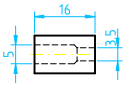
Hridelku bude nutno predelat, prumer 3.8 mm nestaci,
protoze v mosazne trubce vikla.

Nutno pripevnit jinak a lepe.



Vysky soucastek na PCB jen pro
orientaci, zbyde-li dost mista pod
podperou papiru. Chladic nesmi
byt vyssi, nez je nezbytne. PCB
musi byt montovano 1mm pod
povrch roviny zakladniho ramu.

hridelova spojka k navijaku



spojka vyrobena z tyce o
prumeru cca 9.5mm, ale
muze byt cokoli mezi 9-10mm

otvory musi byt souose
vrtat na soustruhu na jedno upnuti

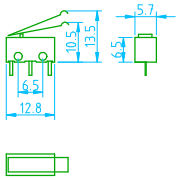
modelovy stitek se jmenem

vyrobeno z mosazi
napis 1mm valcovou frezou
do hloubky cca 0.5mm
vyplnit cernou barvou
vylestit a nalakovat povrch
cirym nitrolakem

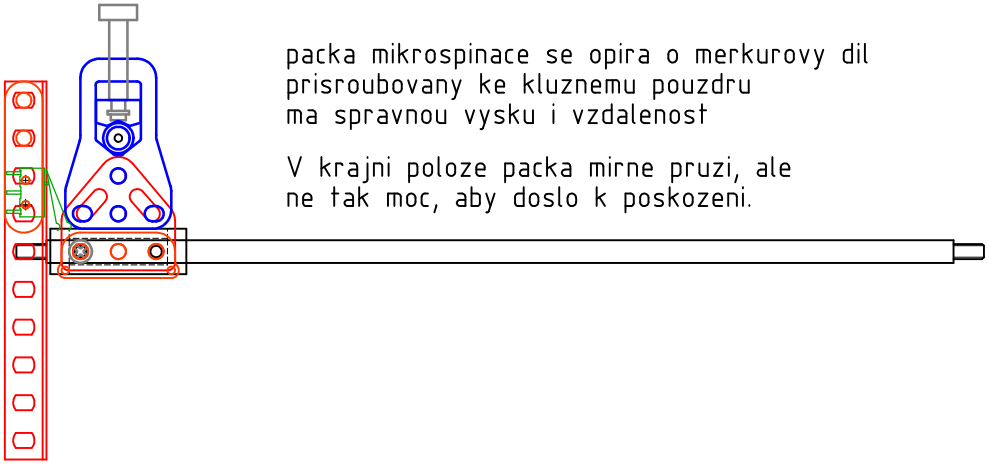
drzak mikrospinace

z mosazi, nebo 1mm hliniku
otvory pro mikrospinac vrtat
1.5mm a vyrezat zavit M2

mikrospinac



Detail umisteni mikrospinace vuci voziku



packa mikrospinace se opira o merkurovy dil
prisroubovany ke kluznemu pouzdru
ma spravnou vysku i vzdalenost

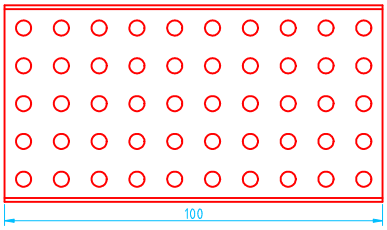
V krajni poloze packa mirne pruzi, ale
ne tak moc, aby doslo k poskozeni.

Soucasti Merkur v tomto vykresu - nejenom pouzite na plotru

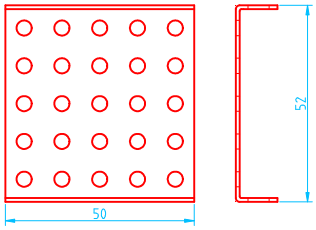
pasek 23 direk - neexistuje, jen 25 direk 1025 / 102019, nutno zkratit

pasek 22 direk - neexistuje, jen 25 direk 1025 / 102019, nutno zkratit

deska 100x50mm 1036 / 102029



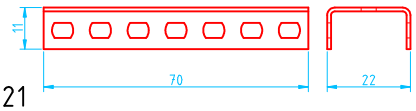
deska 50x50mm 1035 / 102028



tvarovany pasek - L profil - 5 direk - v Merkuru neexistuje, nejmensi 10 direk

tvarovany pasek - L profil - 7 direk - v Merkuru neexistuje, nejmensi 10 direk

tramek 7 direk
modry 1150 / 102052

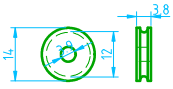


tvarovany pasek - L profil - 10 direk - 1027 / 102105

tvarovany pasek - L profil - 15 direk - 1028 / 102021

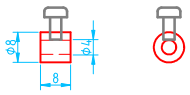
tvarovany pasek - L profil - 25 direk - 1029 / 102022 (lze koupit i zluty)

kolo kladkove 1048 / 101045

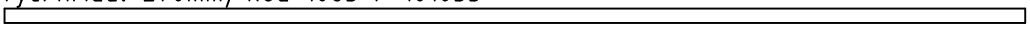


nejmensi merkurova
kladka z hliniku
hloubka drazky +- 0.5mm

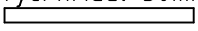
merkurova zarazka



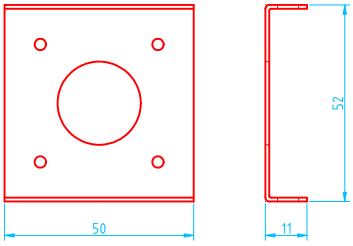
tyc/hridel 270mm, kod 1063 / 101053



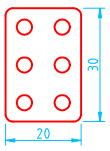
tyc/hridel 50mm 2060 / 101112, nebo zkratit z delsi

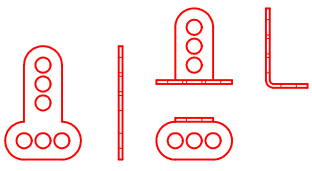


deska zahnuta - NEMA17 L drzak, SR1987 / 115050

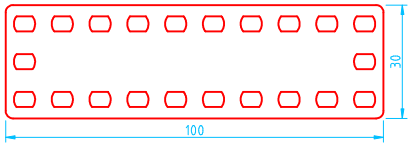


ocelova desticka 20 x 30 mm
6 otvoru - 1076 / 102040

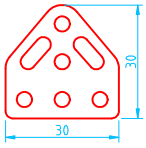




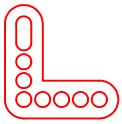
deska plocha 100x30mm



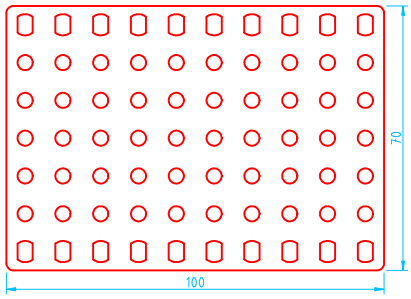
spojovaci deska mala
1038 / 102134



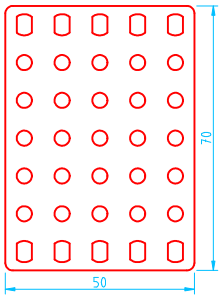
spoj. pasek - uhelnik
30mm - 1037 / 102030



deska ocelova 70x100mm 1075 / 101060



deska ocelova 50x70mm 1073 / 101058



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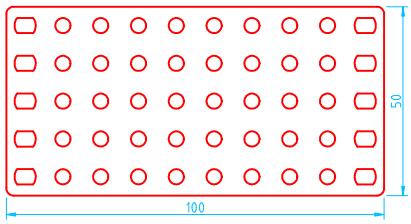

deska ocelova 50x50mm 1072 / 101057