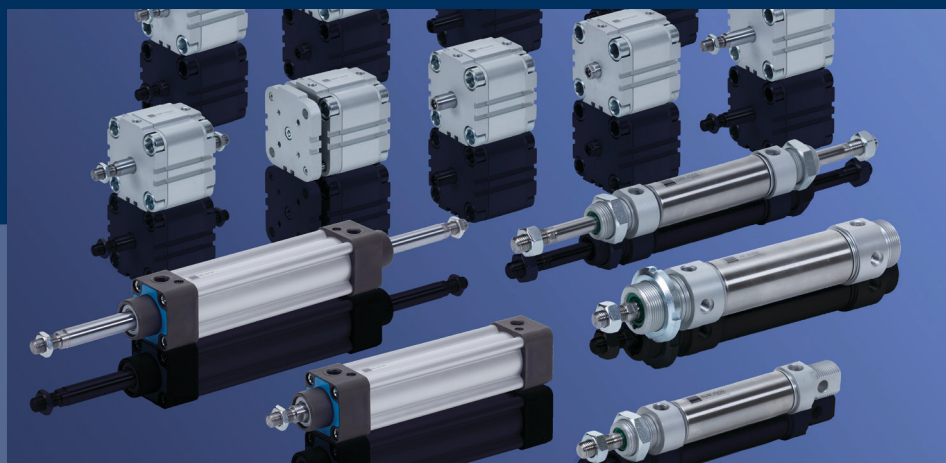
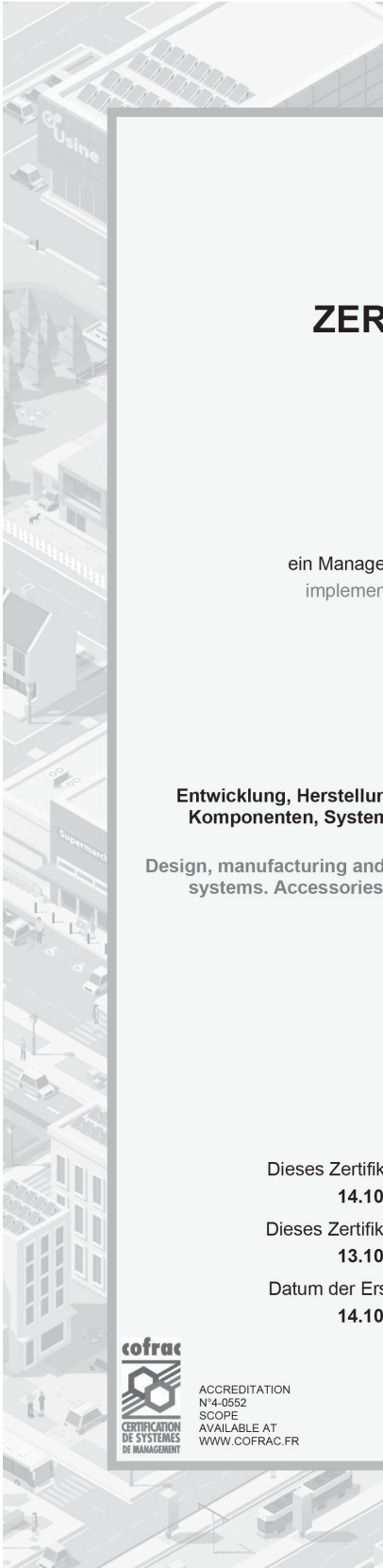


Katalóg pneumatických valcov 2020





ZERTIFIKAT / CERTIFICATE

N°QMS-387874/h

Apave Certification bescheinigt, dass
Apave Certification certifies that

Hafner Pneumatika Kft.

ein Managementsystem am folgenden Standort implementiert hat
implemented a management system on the following location

**Püski út 3.
9228 Halászi**

für die folgenden Aktivitäten
for the following activities

**Entwicklung, Herstellung und Verkauf von pneumatischen und elektro-pneumatischen
Komponenten, Systemen und Zubehör für die Automatisierungstechnik und andere
Anwendungen**

**Design, manufacturing and sales of pneumatic as well as electro-pneumatic components and
systems. Accessories for industrial and process automation and other applications**

das gemäß den Anforderungen der Norm
which has been assessed to meet the

ISO 9001 : 2015

bewertet wurde.
standard's requirements.

Dieses Zertifikat ist gültig ab:
14.10.2019.

This certificate is valid from:
14.10.2019.

Dieses Zertifikat ist gültig bis:
13.10.2022.

This certificate is valid until:
13.10.2022.

Datum der Erstzertifizierung:
14.10.2013.

Initial certification date:
14.10.2013.

P. LABROUSSE



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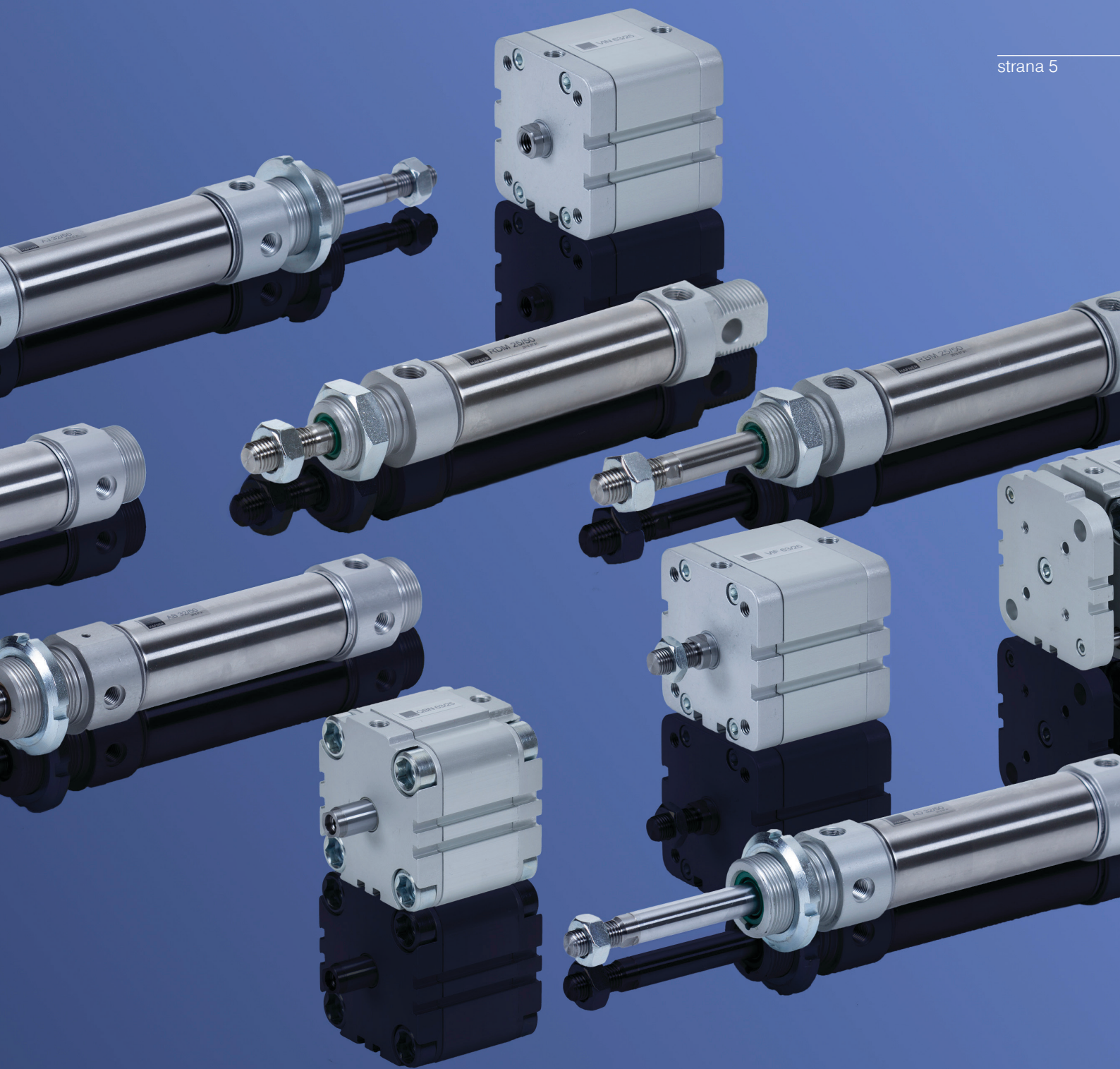
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Pneumatické valce ATEX




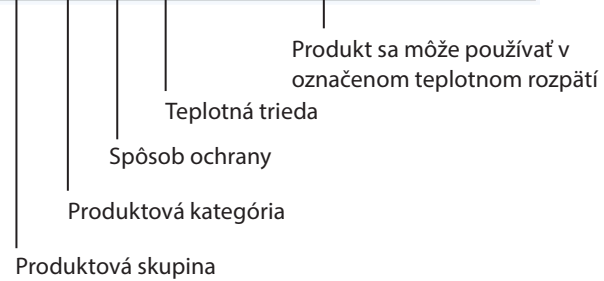
Všeobecné informácie o výrobkoch Hafner do výbušného prostredia

Príklad označenia elektrického výrobku:
(V prípade ventilov)

Example marking of an **electric** product
CE  **II 2G mb IIC T4 Gb**

Príklad označenia neelektrického výrobku:
(V prípade valcov)

Example marking of a **non-electric** product
CE  **II 2G c T6 -10°C ≤ Ta ≤ 50°C**



Produktová skupina:

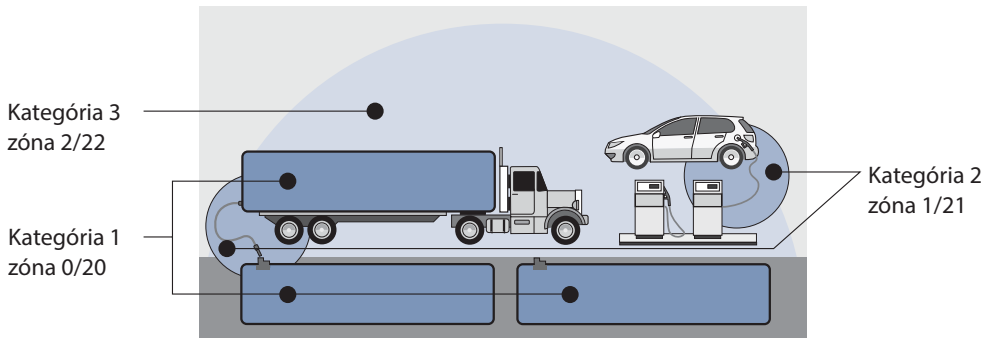
Produktová skupina I

V I. produktovej skupine rozlišujeme výrobky typu M1 a M2. Oba typy sú vhodné pre banícke zariadenia. S touto produktovou skupinou sa ďalej nezaobráame, nakoľko NIE sú obsiahnuté v portfóliu Hafner.

Produktová skupina II

Do II. produktovej skupiny patria všetky ostatné výrobky do výbušného prostredia.

Produktová kategória:



Kategória 1

Predstavuje prostredie, kde je výbušná zmes prítomná sústavne, alebo počas dlhej doby > 1 000 hodín/rok.

Kategória 2

Predstavuje prostredie, kde je výbušná zmes prítomná príležitostne 10 - 1 000 hodín/rok.

Kategória 3

Predstavuje prostredie, kde nie je pravdepodobné, že sa výbušná zmes vyskytne počas bežnej prevádzky, alebo ak sa vyskytne, tak je prítomná počas krátkej doby < 10 hodín/rok.

Všeobecné informácie o výrobkoch Hafner do výbušného prostredia

| | Zóna (Plyn - G) | Zóna (Prach - D) |
|-------------|---|--|
| Katégoria 1 | Zóna O Také prostredie, kde výbušné ovzdušie pozostávajúce zo vzduchu a horľavých plynov, výparov alebo hmly je prítomné sústavne, alebo počas dlhej doby > 1 000 hodín/rok. | Zóna 20 Také prostredie, kde výbušné ovzdušie pozostávajúce z prachového závoja, alebo zmesi vzduchu a prachu je prítomné sústavne, alebo počas dlhej doby > 1 000 hodín/rok. |
| Katégoria 2 | Zóna 1 Také prostredie, kde za bežných podmienok je pravdepodobnosť výskytu výbušného ovzdušia pozostávajúceho zo vzduchu a horľavých plynov, výparov alebo hmly 10 - 1 000 hodín/rok. | Zóna 21 Také prostredie, kde za bežných podmienok je pravdepodobnosť výskytu výbušného ovzdušia pozostávajúceho z prachového závoja, alebo zmesi vzduchu a prachu 10 - 1 000 hodín/rok. |
| Katégoria 3 | Zóna 2 Také prostredie, kde výbušné ovzdušie pozostávajúceho zo vzduchu a horľavých plynov, výparov alebo hmly sa môže zriedkavo vyskytnúť < 10 hodín/rok. | Zóna 22 Také prostredie, kde výbušné ovzdušie pozostávajúceho z prachového závoja, alebo zmesi vzduchu a prachu sa môže zriedkavo vyskytnúť < 10 hodín/rok. |

■ Dostupné v portfóliu Hafner

Spôsob protivybušnej ochrany:

Konštrukcia systémov, zariadení a komponentov zabezpečuje, aby sa nestali zdrojom vznietenia počas štandardnej prevádzky, ani pri poruchovom chode.

Pre rôzne látky je charakteristická vlastnosť výbušnosti a iskrovej zápalnosti potenciálne výbušných zmesí. Výpary a plyny sú klasifikované do skupín. Kritériá rozdelenia sú maximálny experimentálny bezpečnostný interval a minimálny prúd vznietenia. Tie sú stanovené pri presne definovaných testovacích podmienkach pre rôzne výpary a plyny. Viď IEC60079-1A a IEC60079-3.

Riziko sa zvyšuje od skupiny IIA po skupinu IIC, čiže požiadavky na elektrické zariadenia sa zvyšujú. Teda výrobky klasifikované ako IIC môžu byť použité v IIB a IIA.

| | Všeobecná definícia: | V prípade výrobkov Hafner |
|----|--------------------------------------|--|
| c | Konštrukčná bezpečnosť | Všeobecná mechanická ATEX ochrana |
| i | Iskrová bezpečnosť | ia označenie na elektromagnetických cievkach |
| na | Neiskriaci | |
| m | Zapuzdrenie | S káblom |
| me | Zapuzdrenie so zvýšenou bezpečnosťou | Ex emb s elektroinštalačnou krabicou |
| d | Ohňovzdorný kryt | S elektroinštalačnou krabicou |
| dm | Ohňovzdorné zapuzdrenie | S elektroinštalačnou krabicou |

Teplotná trieda:

| Teplotná trieda | Teplota vznietenia plynov a výparov | Max. povolená povrchová teplota zariadenia |
|-----------------|-------------------------------------|--|
| T1 | 450°C | 450°C |
| T2 | 350°C - 450°C | 300°C |
| T3 | 200°C - 300°C | 200°C |
| T4 | 135°C - 200°C | 135°C |
| T5 | 100°C - 135°C | 100°C |
| T6 | 85°C - 100°C | 85°C |

T6 obsahuje všetky ostatné teplotné triedy.

Všeobecné technické údaje k pneumatickým valcom

Sila pružiny, prítlačná a ťažná sila kruhových valcov | ISO 6432

| | | Zdvih [mm] | | | | | | | | | | |
|--------|---|--------------------|------|------|--|--|--|--|--|--|--|--|
| | | 10 | 25 | 50 | | | | | | | | |
| Ø [mm] | | Sila pružiny [N]** | | | | | | | | | | |
| Ø 8 | A | 4,1 | 3,5 | 2,6 | | | | | | | | |
| | B | 4,5 | 4,5 | 4,5 | | | | | | | | |
| Ø 10 | A | 4,1 | 3,5 | 2,6 | | | | | | | | |
| | B | 4,5 | 4,5 | 4,5 | | | | | | | | |
| Ø 12 | A | 5,5 | 4,8 | 3,5 | | | | | | | | |
| | B | 6 | 6 | 6 | | | | | | | | |
| Ø 16 | A | 16,5 | 13,7 | 9 | | | | | | | | |
| | B | 18,3 | 18,3 | 18,3 | | | | | | | | |
| Ø 20 | A | 19 | 15,5 | 9,5 | | | | | | | | |
| | B | 21,5 | 21,5 | 21,5 | | | | | | | | |
| Ø 25 | A | 27 | 24 | 13,5 | | | | | | | | |
| | B | 29 | 29 | 29 | | | | | | | | |

| | | [N]* | Ø8 | Ø10 | Ø12 | Ø16 | Ø20 | Ø25 |
|-----|----------------|------|----|-----|-----|-----|-----|-----|
| REM | Prítlačná sila | 30 | 42 | 60 | 108 | 168 | 264 | |
| | Ťažná sila | - | - | - | - | - | - | |
| RIM | Prítlačná sila | 30 | 42 | 60 | 108 | 168 | 264 | |
| | Ťažná sila | 18 | 36 | 45 | 96 | 144 | 216 | |
| RBM | Prítlačná sila | - | - | - | 108 | 168 | 264 | |
| | Ťažná sila | - | - | - | 96 | 144 | 216 | |
| RDM | Prítlačná sila | - | - | - | 108 | 168 | 264 | |
| | Ťažná sila | - | - | - | 96 | 144 | 216 | |

Sila pružiny, prítlačná a ťažná sila kruhových valcov

| | | Zdvih [mm] | | | | | | | | | | |
|--------|---|--------------------|----|----|--|--|--|--|--|--|--|--|
| | | 10 | 25 | 50 | | | | | | | | |
| Ø [mm] | | Sila pružiny [N]** | | | | | | | | | | |
| Ø 32 | A | 56 | 51 | 42 | | | | | | | | |
| | B | 60 | 60 | 60 | | | | | | | | |
| Ø 40 | A | 60 | 55 | 44 | | | | | | | | |
| | B | 65 | 65 | 65 | | | | | | | | |
| Ø 50 | A | 64 | 57 | 46 | | | | | | | | |
| | B | 68 | 68 | 68 | | | | | | | | |
| Ø 63 | A | 65 | 58 | 47 | | | | | | | | |
| | B | 70 | 70 | 70 | | | | | | | | |

| | | [N]* | Ø32 | Ø40 | Ø50 | Ø63 |
|----|----------------|------|-----|------|------|-----|
| A_ | Prítlačná sila | 432 | 660 | 1050 | 1680 | |
| | Ťažná sila | 372 | 570 | 888 | 1500 | |

Prítlačná a ťažná sila valcov s dvojitou piestnicou

| | | [N]* | Ø32 | Ø40 | Ø50 | Ø63 | Ø80 | Ø100 | Ø125 | Ø160 | Ø200 | Ø250 | Ø320 |
|----|----------------|------|-----|------|------|------|------|------|-------|-------|-------|-------|------|
| N_ | Prítlačná sila | 432 | 660 | 1050 | 1680 | 2700 | 4200 | 6624 | 10645 | 16633 | 25990 | 42582 | |
| | Ťažná sila | 372 | 570 | 888 | 1500 | 2430 | 3960 | 6192 | 9980 | 15968 | 24950 | 40932 | |

Prítlačná a ťažná sila kompaktných valcov | UNITOP

| | [N]* | Ø12 | Ø16 | Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63 | Ø80 | Ø100 |
|------|----------------|-----|-----|-----|-----|-----|-----|------|------|------|------|
| QIN | Prítlačná sila | 68 | 121 | 188 | 295 | 482 | 754 | 1178 | 1869 | 3014 | 4710 |
| | Ťažná sila | 51 | 90 | 141 | 247 | 415 | 687 | 1058 | 1750 | 2829 | 4420 |
| QEN | Prítlačná sila | 68 | 121 | 188 | 295 | 483 | 754 | 1178 | 1870 | 3016 | 4712 |
| | Ťažná sila | 8 | 13 | 17 | 22 | 30 | 36 | 35 | 65 | 94 | 156 |
| QENV | Prítlačná sila | 51 | 90 | 141 | 247 | 415 | 686 | 1057 | 1750 | 2827 | 4418 |
| | Ťažná sila | 8 | 13 | 17 | 22 | 30 | 36 | 35 | 65 | 94 | 156 |
| QBN | Prítlačná sila | 51 | 90 | 141 | 247 | 415 | 686 | 1057 | 1750 | 2827 | 4418 |
| | Ťažná sila | 51 | 90 | 141 | 247 | 415 | 686 | 1057 | 1750 | 2827 | 4418 |
| QINT | Prítlačná sila | 68 | 121 | 188 | 295 | 483 | 754 | 1178 | 1870 | 3016 | 4712 |
| | Ťažná sila | 51 | 90 | 141 | 247 | 415 | 686 | 1057 | 1750 | 2827 | 4418 |

Sila pružiny, prítlačná a ťažná sila krátkozdvihových kompaktných valcov

| Ø [mm] | | Zdvih [mm] | | | | |
|--------|---|--------------------|------|------|------|------|
| | | 5 | 10 | 15 | 20 | 25 |
| | | Sila pružiny [N]** | | | | |
| Ø 12 | A | 7,5 | 6,8 | 6 | 5,2 | 4,5 |
| | B | 8 | 8 | 8 | 8 | 8 |
| Ø 16 | A | 12,3 | 10,8 | 9,5 | 7,8 | 6,5 |
| | B | 13,3 | 13,3 | 13,3 | 13,3 | 13,3 |
| Ø 20 | A | 15,7 | 14 | 12,2 | 10,4 | 8,7 |
| | B | 17,4 | 17,4 | 17,4 | 17,4 | 17,4 |
| Ø 25 | A | 19,5 | 18,5 | 17,3 | 16 | 15 |
| | B | 22 | 22 | 22 | 22 | 22 |
| Ø 32 | A | 27,8 | 25,3 | 22,8 | 20,2 | 17,7 |
| | B | 30 | 30 | 30 | 30 | 30 |
| Ø 40 | A | 36,4 | 34 | 31,7 | 29,5 | 27 |
| | B | 36 | 36 | 36 | 36 | 36 |
| Ø 50 | A | 32 | 30,5 | 29 | 27,8 | 26,5 |
| | B | 35 | 35 | 35 | 35 | 35 |
| Ø 63 | A | 61 | 58,5 | 56,3 | 53,5 | 51,5 |
| | B | 64,8 | 64,8 | 64,8 | 64,8 | 64,8 |
| Ø 80 | A | 91,3 | 88 | 85 | 82 | 78,7 |
| | B | 94 | 94 | 94 | 94 | 94 |
| Ø 100 | A | 150 | 145 | 140 | 134 | 129 |
| | B | 156 | 156 | 156 | 156 | 156 |

| | | | | | | | | | | | |
|----|------------|----|-----|-----|-----|-----|-----|------|------|------|------|
| RD | Prítlačná | 68 | - | 189 | - | 483 | - | 1178 | 1870 | - | - |
| | Ťažná sila | 51 | - | 141 | - | 415 | - | 1056 | 1750 | - | - |
| B_ | Prítlačná | 60 | 105 | 170 | 264 | 432 | 660 | 1050 | 1680 | 2700 | 4200 |
| | Ťažná sila | 45 | 80 | 125 | 216 | 372 | 600 | 930 | 1560 | 2520 | 3960 |

Všeobecné technické údaje k pneumatickým valcom

Prítlačná a ťažná sila svorníkových kompaktných valcov

| | [N]* | Ø125 | Ø160 | Ø200 | Ø250 |
|--------------------|----------------|------|-------|-------|-------|
| JEN, JEF, JIN, JIF | Prítlačná sila | 7280 | 11960 | 18720 | 29350 |
| | Ťažná sila | 6880 | 11200 | 17960 | 28600 |
| JINT, JBF, JBN | Prítlačná sila | 6880 | 11200 | 17960 | 28600 |
| | Ťažná sila | 6880 | 11200 | 17960 | 28600 |

Prítlačná a ťažná sila kompaktných valcov s vedením

| | [N]* | Ø6 | Ø8 | Ø12 | Ø16 | Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63 |
|--------|----------------|------|------|-------|-------|-------|-------|-------|-------|--------|--------|
| A-CG01 | Prítlačná sila | - | - | 59,9 | 106,5 | 166,3 | 259,9 | 425,8 | 665,4 | 1039,6 | 1650,5 |
| | Ťažná sila | - | - | 44,9 | 79,8 | 124,8 | 200,0 | 319,4 | 558,9 | 873,2 | 1484,1 |
| A-CG02 | Prítlačná sila | 29,9 | - | 119,8 | 213,0 | 332,6 | 519,8 | 851,6 | - | - | - |
| | Ťažná sila | 16,6 | - | 89,8 | 159,6 | 249,6 | 400,0 | 638,8 | - | - | - |
| A-CG04 | Prítlačná sila | 34,0 | 61,0 | 136,0 | 241,0 | 377,0 | 589,0 | - | - | - | - |
| | Ťažná sila | 25,0 | 45,0 | 102,0 | 181,0 | 283,0 | 454,0 | - | - | - | - |

Prítlačná a ťažná sila normalizovaných valcov | ISO 15552

| | [N]* | Ø32 | Ø40 | Ø50 | Ø63 | Ø80 | Ø100 | Ø125 | Ø160 | Ø200 | Ø250 | Ø320 |
|-----|----------------|-----|-----|------|------|------|------|------|-------|-------|-------|-------|
| HEF | Prítlačná sila | 432 | 660 | 1050 | 1680 | 2700 | 4200 | 6624 | 10645 | 16633 | 25990 | 42582 |
| | Ťažná sila | 372 | 570 | 888 | 1500 | 2430 | 3960 | 6192 | 9980 | 15968 | 24950 | 40932 |
| DIL | Prítlačná sila | 483 | 754 | 1178 | 1870 | 3016 | 4712 | 7363 | - | - | - | - |
| | Ťažná sila | 415 | 633 | 990 | 1682 | 2721 | 4418 | 6881 | - | - | - | - |
| DBL | Prítlačná sila | 415 | 633 | 990 | 1682 | 2721 | 4418 | 6881 | - | - | - | - |
| | Ťažná sila | 415 | 633 | 990 | 1682 | 2721 | 4418 | 6881 | - | - | - | - |
| HIF | Prítlačná sila | 483 | 754 | 1178 | 1870 | 3016 | 4712 | 7363 | - | - | - | - |
| | Ťažná sila | 415 | 633 | 990 | 1682 | 2721 | 4418 | 6881 | - | - | - | - |

Prítlačná a ťažná sila svorníkových valcov | ISO 15552

| | [N]* | Ø160 | Ø200 | Ø250 | Ø320 |
|------|----------------|-------|-------|-------|-------|
| DIM | Prítlačná sila | 12064 | 18850 | 29452 | 48255 |
| | Ťažná sila | 11310 | 18096 | 28274 | 46558 |
| UDM | Prítlačná sila | 12064 | 18850 | 29450 | 48250 |
| | Ťažná sila | 11310 | 18096 | 29470 | 46380 |
| UDMP | Prítlačná sila | 11310 | 18096 | 29470 | 46380 |
| | Ťažná sila | 11310 | 18096 | 29470 | 46380 |

* Teoretické sily pri tlaku 6 bar - kvôli treniu v praxi počítajte prosím s hodnotou menšou o približne 5%!

Všeobecné technické údaje k pneumatickým valcom

Prítlačná a ťažná sila valcov k nožovým posúvačom

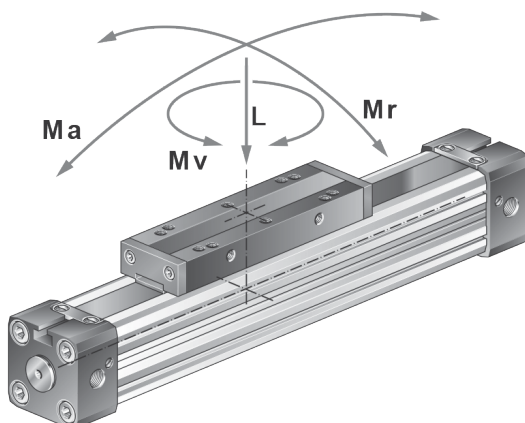
| | [N]* | Ø80 | Ø100 | Ø125 | Ø160 | Ø200 | Ø250 | Ø320 |
|-----|----------------|------|------|------|-------|-------|-------|-------|
| LAZ | Prítlačná sila | 3014 | 4710 | 7359 | 12057 | 18840 | 29437 | 48230 |
| | Ťažná sila | 2826 | 4521 | 6877 | 11575 | 18086 | 28683 | 47476 |

Prítlačná a ťažná sila kompaktných valcov | ISO 21287

| | [N]* | Ø20 | Ø25 | Ø32 | Ø40 | Ø50 | Ø63 | Ø80 | Ø100 |
|---------|----------------|-----|-----|-----|-----|------|------|------|------|
| VIN/VIF | Prítlačná sila | 188 | 295 | 482 | 754 | 1178 | 1869 | 3014 | 4710 |
| | Ťažná sila | 142 | 248 | 415 | 687 | 1058 | 1750 | 2829 | 4420 |
| VINT | Prítlačná sila | 188 | 295 | 482 | 754 | 1178 | 1869 | 3014 | 4710 |
| | Ťažná sila | 142 | 248 | 415 | 687 | 1058 | 1750 | 2829 | 4420 |
| VBF/VBN | Prítlačná sila | 142 | 248 | 415 | 687 | 1058 | 1750 | 2829 | 4420 |
| | Ťažná sila | 142 | 248 | 415 | 687 | 1058 | 1750 | 2829 | 4420 |

Sily pôsobiace na bezpečnicové valce | PL/PLF

| Piest | Prítlačná sila | Max. zataženie | Max. ohybový moment PL/PLF | | Max. krútiaci moment PL/PLF |
|--------|----------------|----------------|-------------------------------|------------------|--------------------------------|
| Ø [mm] | F [N]* | L [N] | Ma [Nm] axiálny | Mr [Nm] radiálny | Mv [Nm] centrálny |
| Ø 16 | 110 | 120 | 4 / 4 | 0,3 / 0,45 | 0,5 / 0,5 |
| Ø 25 | 250 | 300 | 15 / 15 | 1 / 1,5 | 3 / 3 |
| Ø 32 | 420 | 450 | 30 / 30 | 2 / 3 | 4,5 / 4,5 |
| Ø 40 | 640 | 750 | 60 / 60 | 4 / 6 | 8 / 8 |
| Ø 50 | 1000 | 1200 | - / 115 | - / 10 | - / 15 |
| Ø 63 | 1550 | 1650 | - / 200 | - / 12 | - / 24 |

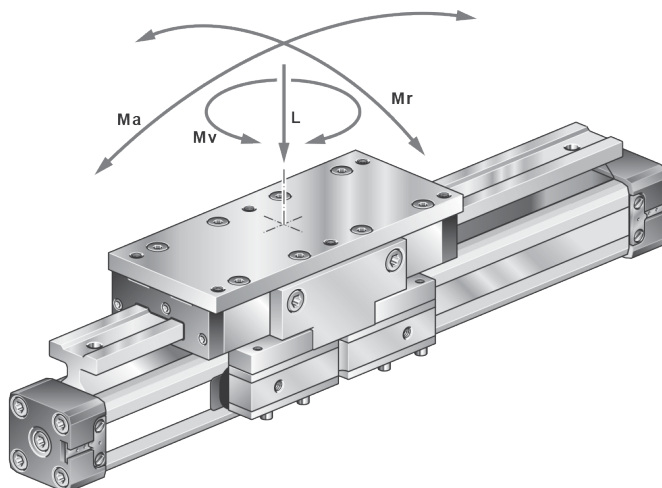


* Teoretické sily pri tlaku 6 bar - kvôli treniu v praxi počítajte prosím s hodnotou menšou o približne 5%!

Všeobecné technické údaje k pneumatickým valcom

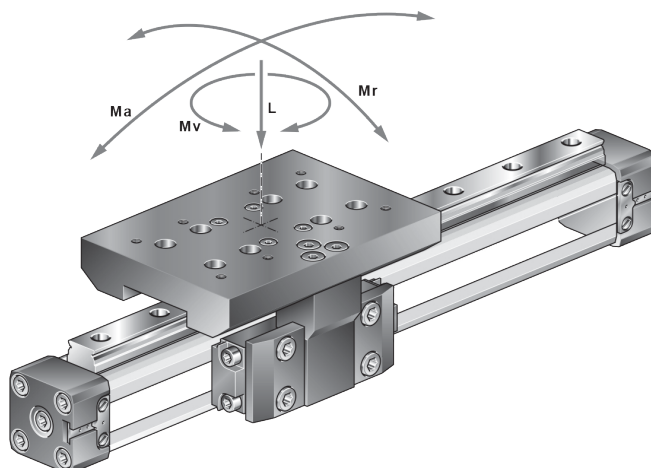
Sily pôsobiace na bezpečnicové valce | PLG

| Piest Ø [mm] | Prítlačná sila F [N]* | Max. zaťaženie L [N] | Max. ohybový moment | | Max. krútiaci moment Mv [Nm] centrálny |
|-----------------|--------------------------|-------------------------|---------------------|------------------|---|
| | | | Ma [Nm] axiálny | Mr [Nm] radiálny | |
| Ø 16 | 110 | 350 | 6 | 4 | 6 |
| Ø 25 | 250 | 1000 | 40 | 14 | 40 |
| Ø 32 | 420 | 2000 | 68 | 24 | 68 |
| Ø 40 | 640 | 2800 | 103 | 37 | 103 |



Sily pôsobiace na bezpečnicové valce | PLK

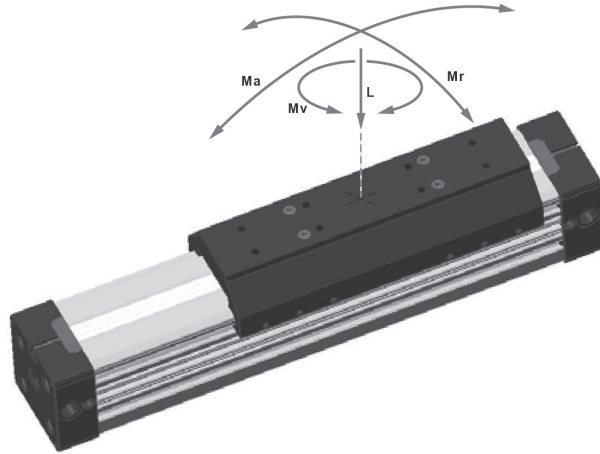
| Piest Ø [mm] | Prítlačná sila F [N]* | Max. zaťaženie L [N] | Max. ohybový moment | | Max. krútiaci moment Mv [Nm] centrálny |
|-----------------|--------------------------|-------------------------|---------------------|------------------|---|
| | | | Ma [Nm] axiálny | Mr [Nm] radiálny | |
| Ø 16 | 110 | 500 | 4 | 6 | 11 |
| Ø 25 | 250 | 1500 | 40 | 14 | 40 |
| Ø 32 | 420 | 2950 | 61 | 30 | 62 |
| Ø 40 | 640 | 3960 | 115 | 52 | 70 |
| Ø 50 | 1000 | 7500 | 580 | 210 | 580 |
| Ø 63 | 1550 | 7500 | 580 | 210 | 85 |



Všeobecné technické údaje k pneumatickým valcom

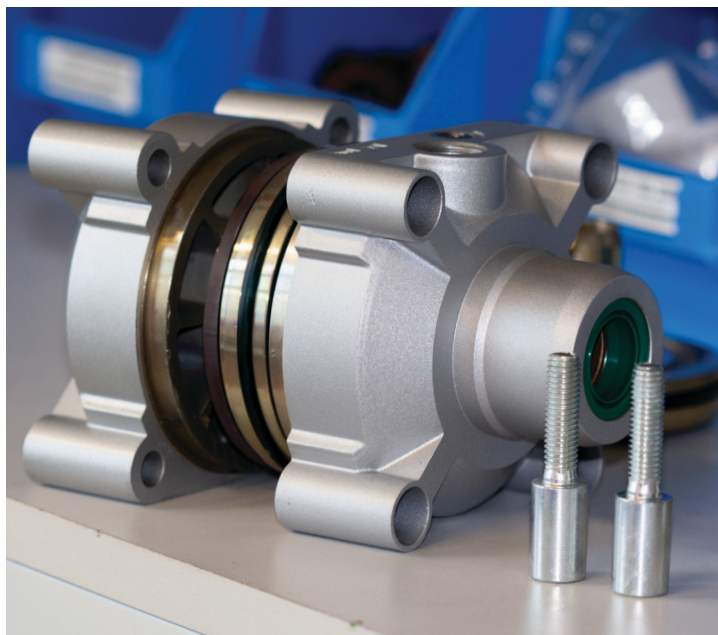
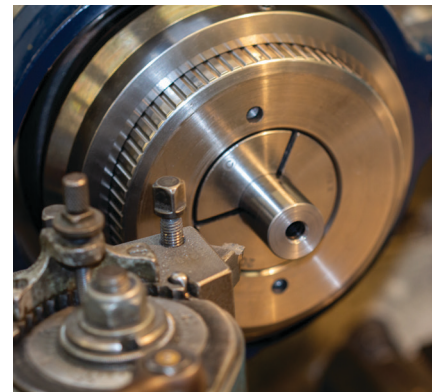
Sily pôsobiace na bezpečnostné valce | PLS

| Piest Ø [mm] | Prítlačná sila F [N]* | Max. zaťaženie L [N] | Max. ohybový moment | | Max. krútiaci moment |
|-----------------|--------------------------|-------------------------|---------------------|------------------|----------------------|
| | | | Ma [Nm] axiálny | Mr [Nm] radiálny | Mv [Nm] centrálny |
| Ø 32 | 420 | 760 | 39 | 15 | 39 |
| Ø 40 | 640 | 1330 | 99 | 35 | 99 |
| Ø 50 | 1000 | 1600 | 170 | 58 | 170 |
| Ø 63 | 1550 | 2770 | 315 | 105 | 317 |





HAFNER Pneumatika Kft.





Mini valce

Mini valce

strana 16

Všeobecný opis

Priemer piestu Ø6 - Ø10 - Ø16 mm

Štandardný zdvih 5 - 10 - 15 mm

Pracovné médium stlačený vzduch

Pracovný tlak 2 ... 7 bar

Teplota okolia -20°C ... +80°C

Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch.

Použitý materiál

Teleso valca poniklovaná mosadz

Kryt poniklovaná mosadz

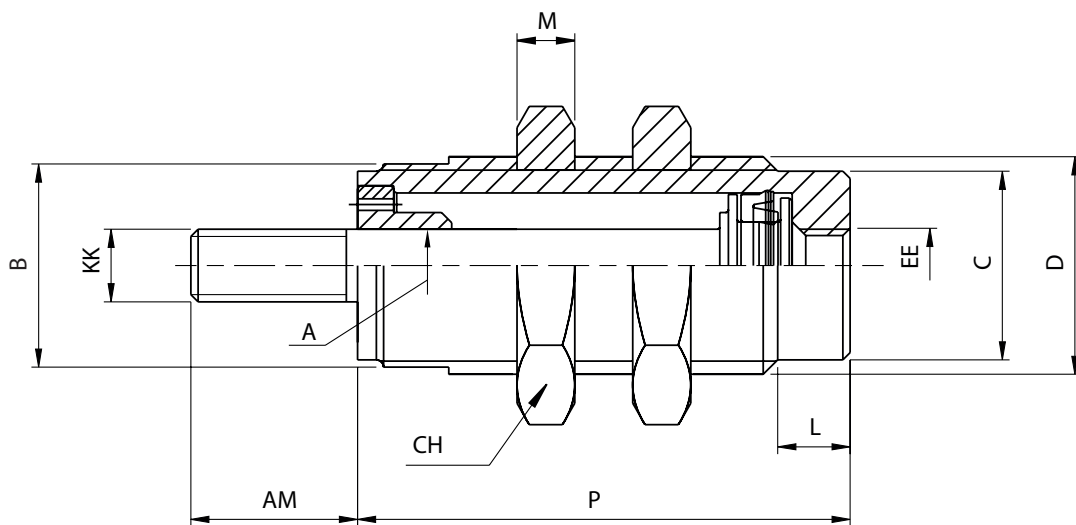
Piest mosadz

Piestnica nehrdzavejúca oceľ

Vodiace puzdro sintrovaný bronz

Tesnenia polyuretán

| | | | | | |
|---|---|---|----------------|---|--------------|
| C | A | F | 6 | / | 10 |
| | | | PRIEMER | | ZDVIH |
| | | | 6 | | 5 |
| | | | 10 | | 10 |
| | | | 16 | | 15 |



| Typ | Ø [mm] | A | B | C | D | L | M | P | AM | ØKK | EE | CH |
|-----------|--------|---|----|-----|---------|---|---|------|------|-----|----|----|
| CAF 6/5 | Ø 6 | 3 | 9 | 8,5 | M10x1 | 5 | 3 | 18,5 | 8 | 3 | M5 | 14 |
| CAF 6/10 | Ø 6 | 3 | 9 | 8,5 | M10x1 | 5 | 3 | 26,5 | 8 | 3 | M5 | 14 |
| CAF 6/15 | Ø 6 | 3 | 9 | 8,5 | M10x1 | 5 | 3 | 33,5 | 8 | 3 | M5 | 14 |
| CAF 10/5 | Ø 10 | 4 | 14 | 13 | M15x1,5 | 5 | 4 | 21,5 | 10,5 | 5 | M5 | 19 |
| CAF 10/10 | Ø 10 | 4 | 14 | 13 | M15x1,5 | 5 | 4 | 28 | 10,5 | 5 | M5 | 19 |
| CAF 10/15 | Ø 10 | 4 | 14 | 13 | M15x1,5 | 5 | 4 | 35 | 10,5 | 5 | M5 | 19 |
| CAF 16/5 | Ø 16 | 5 | 20 | 19 | M22x1,5 | 6 | 5 | 24,5 | 13 | 5 | M5 | 27 |
| CAF 16/10 | Ø 16 | 5 | 20 | 19 | M22x1,5 | 6 | 5 | 30,5 | 13 | 5 | M5 | 27 |
| CAF 16/15 | Ø 16 | 5 | 20 | 19 | M22x1,5 | 6 | 5 | 37 | 13 | 5 | M5 | 27 |



Kruhové valce | ISO 6432

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø8 - Ø10 - Ø12 - Ø16 - Ø20 - Ø25 mm |
| Štandardný zdvih | 10 - 25 - 40 - 50 - 80 - 160 - 200 - 250 - 320 mm (v závislosti od priemeru) |
| | Jednočinný |
| | Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |

| Použitý materiál | |
|------------------|--|
| Teleso valca | nehrdzavejúca oceľ |
| Kryt | eloxovaný hliník |
| Piest | mosadz |
| Piestnica | nehrdzavejúca oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

R I M A 8 / 125 Ex

PRIEMER

8
10
12
16
20
25*

ZDVIH

10
25
40
50
80
100
125
160
200
250
320

MOŽNOSTI

⊕ II 2 GD c T6 -20°C < Tamb < 80°C

VERZIE

| | |
|----------------|---|
| PRÁZDNE | Štandardné tesnenie, piestnica z nehrdzavejúcej ocele |
| F | FPM tesnenie (v prípade valcov REM) |
| V | Vysunutá piestnica (v prípade valcov REM, od Ø16 mm) |
| VK | Vysunutá piestnica, FPM tesnenie stierača (v prípade valcov REM, od Ø16 mm) |
| VF | Vysunutá piestnica, FPM tesnenie (v prípade valcov REM, od Ø16 mm) |
| R | Špeciálne veko, radiálny prípoj stl. vzduchu (v prípade valcov RIM) |
| A | Špeciálne veko, axiálny prípoj stl. vzduchu (v prípade valcov RIM) |
| O | Piestnica zaistená proti pootočeniu (v prípade valcov RIM, od Ø16 mm) |
| K | FPM tesnenie stierača (v prípade valcov RIM, RBM, RDM) |
| V | FPM tesnenie (v prípade valcov RIM, RBM, RDM) |

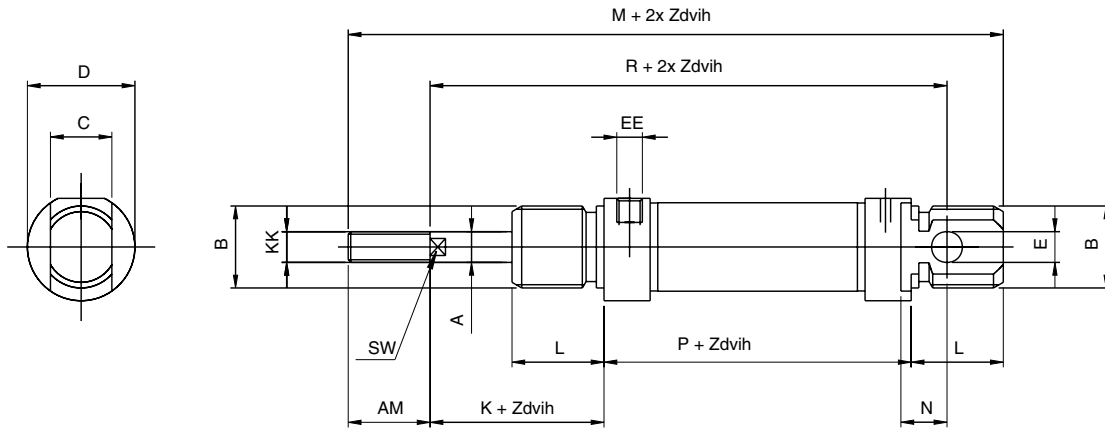
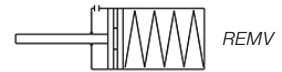
VERZIE

| | |
|----------|---|
| E | Jednočinný valec |
| I | Dvojčinný valec |
| B | Dvojčinný valec, priebežná piestnica (od Ø16 mm) |
| D | Dvojčinný valec, nastaviteľné tlmenie (od Ø16 mm) |

* Na požiadanie dostupné aj v prevedení s dutou tyčou na vakuüm

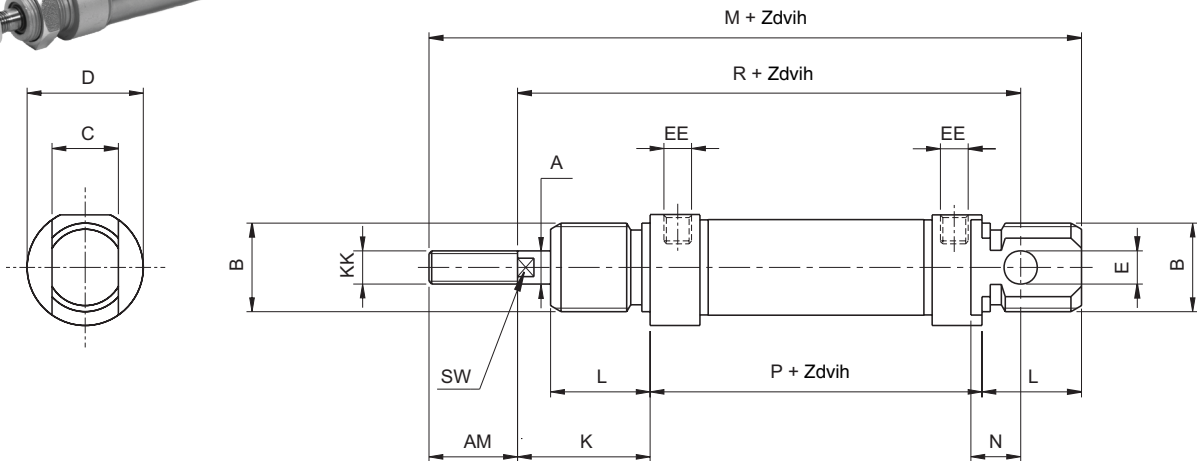
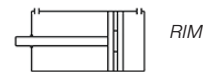
REMV

strana 20

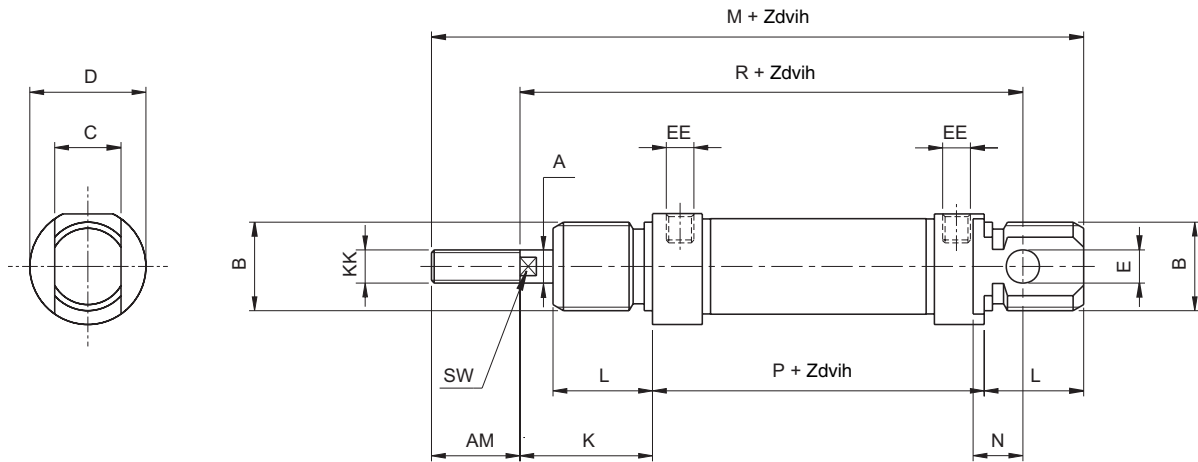
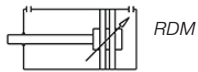


| Ø [mm] | A | B | C | D | E | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|---------|----|----|---|----|----|-------|----|------|-------|----|-------|----------|----|
| Ø 16 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 134,5 | 9 | 78,5 | 107,5 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 8 | 24 | 20 | 154 | 12 | 90 | 118 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 8 | 28 | 22 | 166 | 12 | 94 | 130 | 22 | G1/8" | M10x1,25 | 9 |

RIM

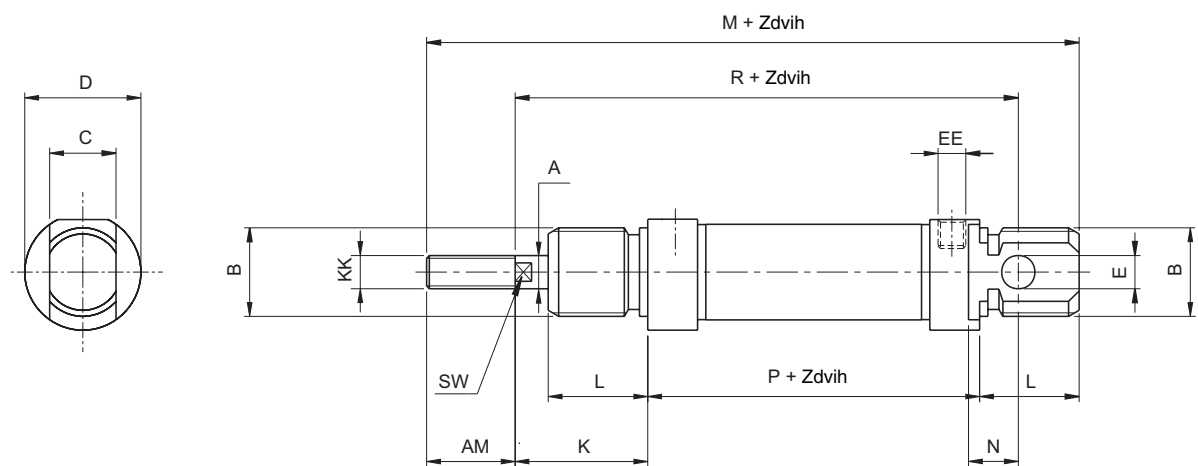


| Ø [mm] | A | B | C | D | E | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|----------|----|----|---|----|----|-----|----|----|-----|----|-------|----------|----|
| Ø 8 | 4 | M12x1,25 | 8 | 16 | 4 | 16 | 12 | 86 | 6 | 46 | 64 | 12 | M5 | M4 | - |
| Ø 10 | 4 | M12x1,25 | 8 | 16 | 4 | 16 | 12 | 86 | 6 | 46 | 64 | 12 | M5 | M4 | - |
| Ø 12 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 104 | 9 | 48 | 75 | 16 | M5 | M6 | 5 |
| Ø 16 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 109 | 9 | 53 | 82 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 8 | 24 | 20 | 131 | 12 | 67 | 95 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 8 | 28 | 22 | 140 | 12 | 68 | 104 | 22 | G1/8" | M10x1,25 | 9 |



| Ø [mm] | A | B | C | D | E | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|---------|----|----|---|----|----|-----|----|----|-----|----|-------|----------|----|
| Ø 16 | 6 | M16x1,5 | 12 | 21 | 6 | 22 | 18 | 109 | 9 | 53 | 82 | 16 | M5 | M6 | 25 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 8 | 24 | 20 | 131 | 12 | 67 | 95 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 8 | 28 | 22 | 140 | 12 | 68 | 104 | 22 | G1/8" | M10x1,25 | 9 |

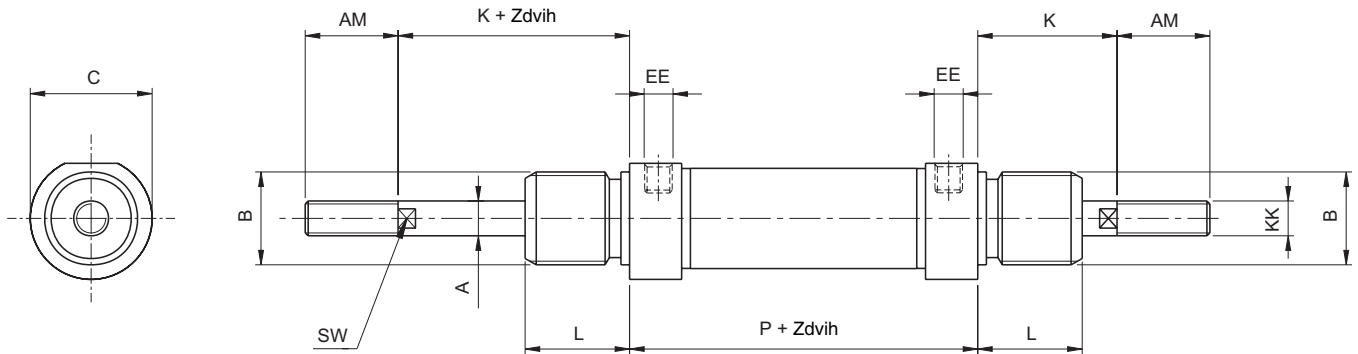
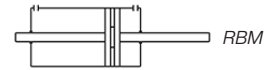
REM



| Ø [mm] | A | B | C | D | E | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|----------|----|----|---|----|----|-----|----|----|-----|----|-------|----------|----|
| Ø 8 | 4 | M12x1,25 | 8 | 16 | 4 | 16 | 12 | 86 | 6 | 46 | 64 | 12 | M5 | M4 | - |
| Ø 10 | 4 | M12x1,25 | 8 | 16 | 4 | 16 | 12 | 86 | 6 | 46 | 64 | 12 | M5 | M4 | - |
| Ø 12 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 104 | 9 | 48 | 75 | 16 | M5 | M6 | 5 |
| Ø 16 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 109 | 9 | 53 | 82 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 8 | 24 | 20 | 131 | 12 | 67 | 95 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 8 | 28 | 22 | 140 | 12 | 68 | 104 | 22 | G1/8" | M10x1,25 | 9 |

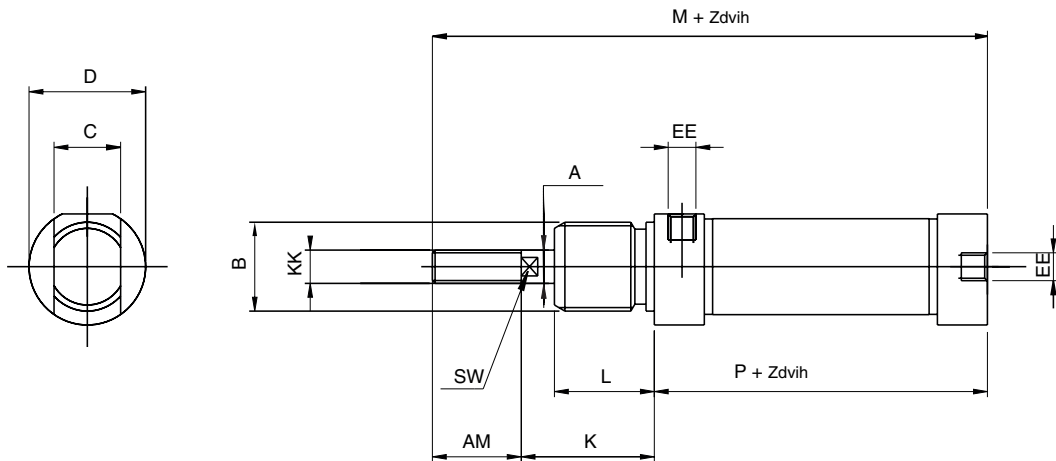
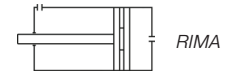
RBM

strana 22

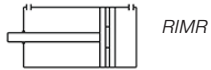


| Ø [mm] | A | B | C | K | L | P | AM | EE | KK | SW |
|--------|----|---------|----|----|----|----|----|-------|----------|----|
| Ø 16 | 6 | M16x1,5 | 19 | 22 | 18 | 53 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 27 | 24 | 20 | 67 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 30 | 28 | 22 | 68 | 22 | G1/8" | M10x1,25 | 9 |

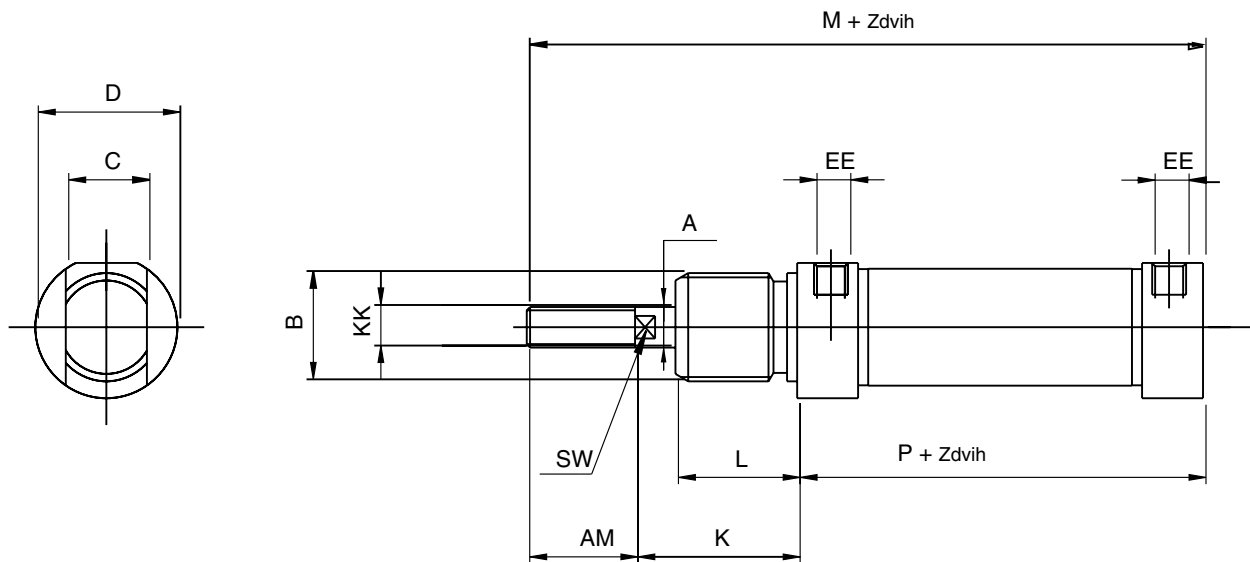
RIMA



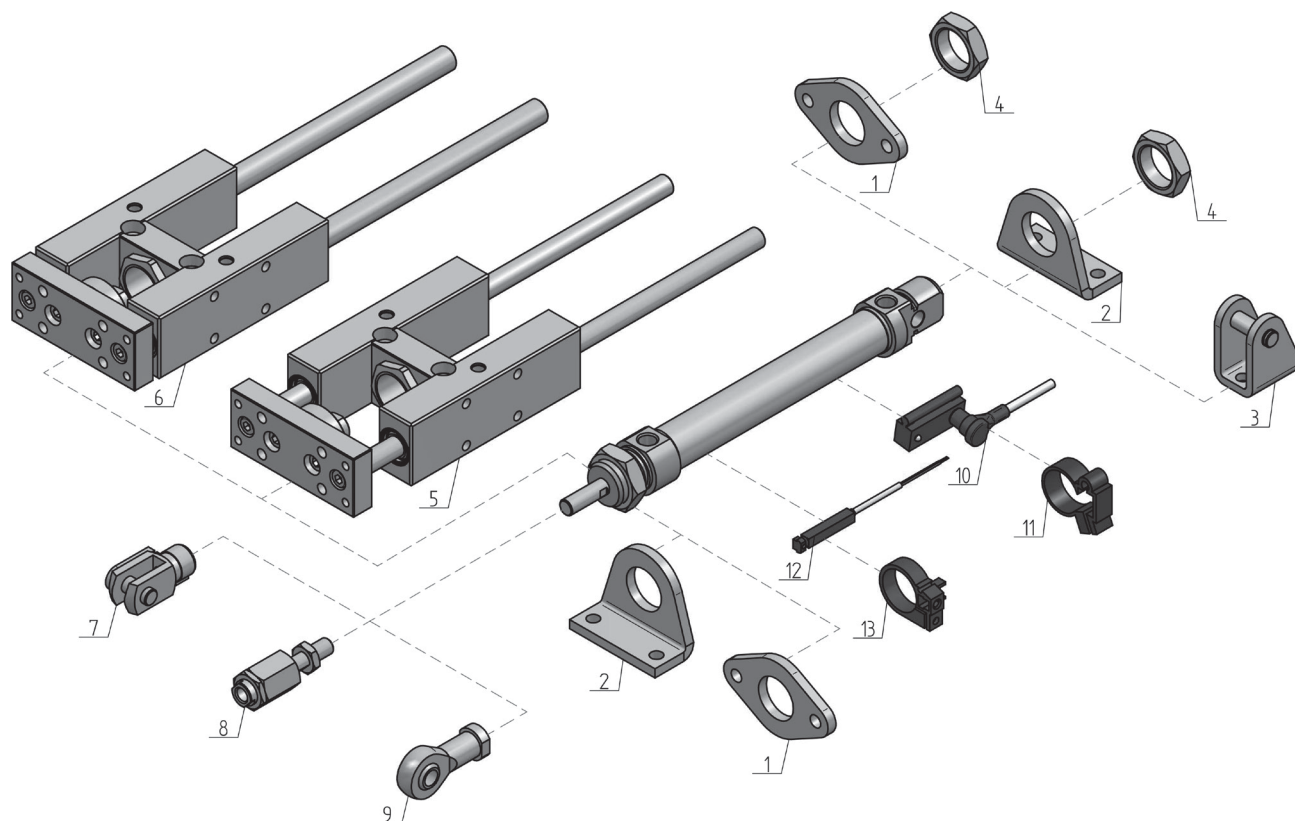
| Ø [mm] | A | B | C | D | K | L | M | P | AM | EE | KK | SW |
|--------|----|---------|----|----|----|----|-------|----|----|-------|----------|----|
| Ø 16 | 6 | M16x1,5 | 12 | 21 | 22 | 18 | 91,5 | 53 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 24 | 20 | 111,5 | 67 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 28 | 22 | 118,5 | 68 | 22 | G1/8" | M10x1,25 | 9 |



RIMR



| Ø [mm] | A | B | C | D | K | L | M | P | AM | EE | KK | SW |
|--------|----|---------|----|----|----|----|-------|----|----|-------|----------|----|
| Ø 16 | 6 | M16x1,5 | 12 | 21 | 22 | 18 | 91,5 | 53 | 16 | M5 | M6 | 5 |
| Ø 20 | 8 | M22x1,5 | 16 | 27 | 24 | 20 | 111,5 | 67 | 20 | G1/8" | M8 | 7 |
| Ø 25 | 10 | M22x1,5 | 16 | 30 | 28 | 22 | 118,5 | 68 | 22 | G1/8" | M10x1,25 | 9 |



| Označenie | Typ | Pomenovanie | Strana |
|-----------|----------|--|--------|
| 1 | RF/RFX | Príruba - k valcom série R | 136 |
| 2 | RL | Pätkové upevnenie - k valcom série R | 137 |
| 2 | RLX | Pätkové upevnenie z nehrdzavejúcej ocele - k valcom série R | 137 |
| 3 | RG | Ložiskové puzdro - k valcom série R | 137 |
| 3 | RGX | Ložiskové puzdro z nehrdzavejúcej ocele - k valcom série R | 137 |
| 4 | RA | Upevňovacia matica - k valcom série R | 138 |
| 4 | RAX | Upevňovacia matica z nehrdzavejúcej ocele - k valcom série R | 138 |
| 5 | RHS | Lineárne H vedenie - klzné ložisko | 153 |
| 5 | RHSL | Lineárne H vedenie - klzné ložisko | 154 |
| 6 | RHG/RHGL | Lineárne H vedenie - guľôčkové ložisko | 154 |
| 7 | UV | Vidlicová koncovka s upevňovacím čapom | 134 |
| 8 | FK | Flexibilná spojka | 136 |
| 9 | UK | Kĺbová hlavica | 135 |
| 9 | UKF | Kĺbová hlavica | 133 |
| 10 | SM | Snímač - REED relé / jazýčkové relé | 150 |
| 11 | RX | Upevňovacia jednotka pre SM snímač | 150 |
| 12 | SKR/SKH | Snímač | 149 |
| 13 | RXP | Upevňovacia jednotka pre SKR/SKH snímač | 150 |



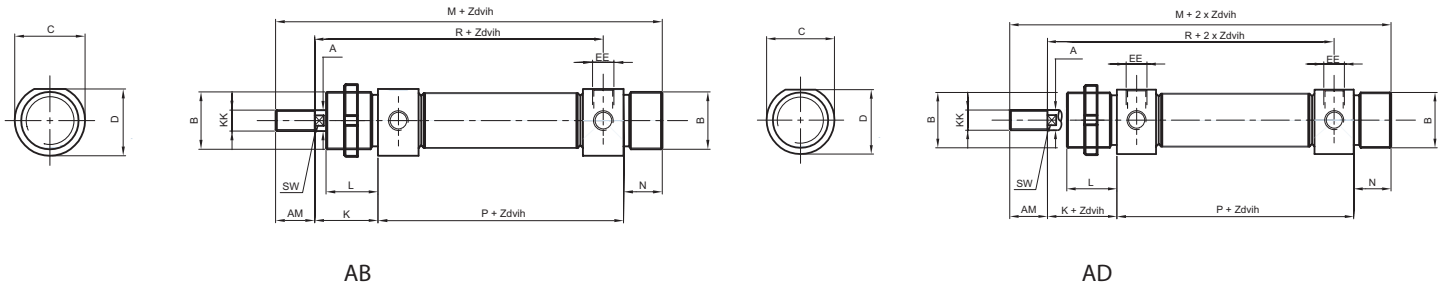
Kruhové valce

Kruhové valce

strana 26

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 mm |
| Štandardný zdvih | 10 - 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 mm |
| | Jednočinný |
| | Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Použitý materiál | |
| Teleso valca | nehrdzavejúca oceľ |
| Kryt | eloxovaný hliník |
| Piest | eloxovaný hliník |
| Piestnica | tvrdá chrómovaná oceľ / nehrdzavejúca oceľ - AISI 316 (v závislosti od typu) |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| | | | | | | |
|---|---|---|---|---|--------------|--|
| A | F | K | 32 | / | 80 | Ex |
| | | | PRIEMER | | ZDVIH | MOŽNOSTI |
| | | | 32 | | 10 | II 2 GD c T6 -20°C < Tamb < 80°C (v prípade AB, AD, AF, AH, AJ) |
| | | | 40 | | 25 | |
| | | | 50 | | 50 | |
| | | | 63 | | 80 | |
| | | | | | 100 | |
| | | | | | 125 | |
| | | | | | 160 | |
| | | | | | 200 | |
| | | | | | 250 | |
| | | | | | 320 | |
| | | | | | 400 | |
| | | | | | 500 | |
| | | | VERZIE | | | |
| | | | PRÁZDNE Štandardné tesnenie, piestnica z tvrdo chrómovanej ocele R Piestnica z nehrdzavejúcej ocele (AISI 316) (v prípade valcov AB, AD, AF, AH) RK Piestnica z nehrdzavejúcej ocele (AISI 316), FPM tesnenie stierača (v prípade valcov AF, AH) RV Piestnica z nehrdzavejúcej ocele (AISI 316), FPM tesnenie (v prípade valcov AF, AH) K FPM tesnenie stierača (v prípade valcov AF, AH) V FPM tesnenie (v prípade valcov AF, AH) | | | |
| | | | VERZIE | | | |
| | | | B Jednočinný valec D Jednočinný valec, vysunutá piestnica F Dvojčinný valec H Dvojčinný valec, nastaviteľné tlmenie J Dvojčinný valec, priebežná piestnica | | | |

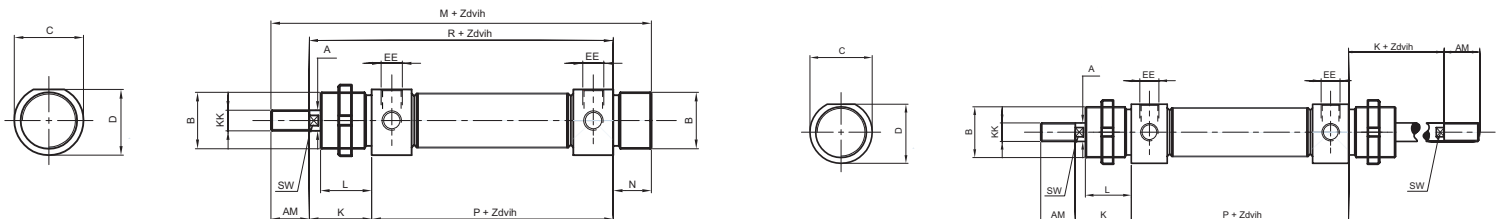
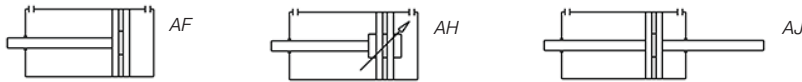


AB

AD

| Ø [mm] | A | B | C | D | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|---------|----|------|----|----|------------|----|------------|------------|----|--------|----------|----|
| Ø 32 | 12 | M30x1,5 | 38 | 36,5 | 38 | 30 | 168 | 14 | 96 | 125 | 20 | G 1/8" | M10x1,25 | 10 |
| Ø 40 | 16 | M38x1,5 | 46 | 44 | 45 | 35 | 196 (198)* | 16 | 111 (113)* | 144 (146)* | 24 | G 1/4" | M12x1,25 | 12 |
| Ø 50 | 20 | M45x1,5 | 57 | 55 | 50 | 38 | 220 | 18 | 120 | 158 | 32 | G 1/4" | M16x1,5 | 16 |
| Ø 63 | 20 | M45x1,5 | 70 | 67,5 | 50 | 38 | 224 | 18 | 124 | 161 | 32 | G 3/8" | M16x1,5 | 16 |

AF/AH/AJ



AF/AH

AJ

| Ø [mm] | A | B | C | D | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|---------|----|------|----|----|------------|----|------------|------------|----|--------|----------|----|
| Ø 32 | 12 | M30x1,5 | 38 | 36,5 | 38 | 30 | 168 | 14 | 96 | 125 | 20 | G 1/8" | M10x1,25 | 10 |
| Ø 40 | 16 | M38x1,5 | 46 | 44 | 45 | 35 | 196 (198)* | 16 | 111 (113)* | 144 (146)* | 24 | G 1/4" | M12x1,25 | 12 |
| Ø 50 | 20 | M45x1,5 | 57 | 55 | 50 | 38 | 220 | 18 | 120 | 158 | 32 | G 1/4" | M16x1,5 | 16 |
| Ø 63 | 20 | M45x1,5 | 70 | 67,5 | 50 | 38 | 224 | 18 | 124 | 161 | 32 | G 3/8" | M16x1,5 | 16 |

* V prípade valcov s neštandardným zdvihom, ako aj u valcov ABR, ADR, AFR, AFK, AFRK, AFV, AFRV, AHR, AHK, AHRK, AHV, AHRV.

Kruhové valce

strana 28

Všeobecný opis

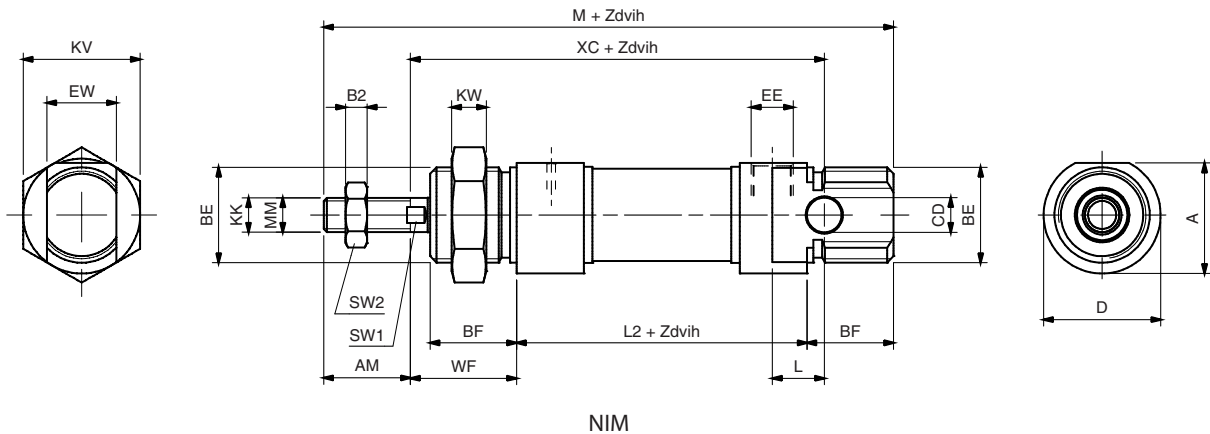
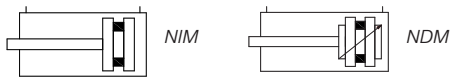
| | |
|------------------|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |

Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch.

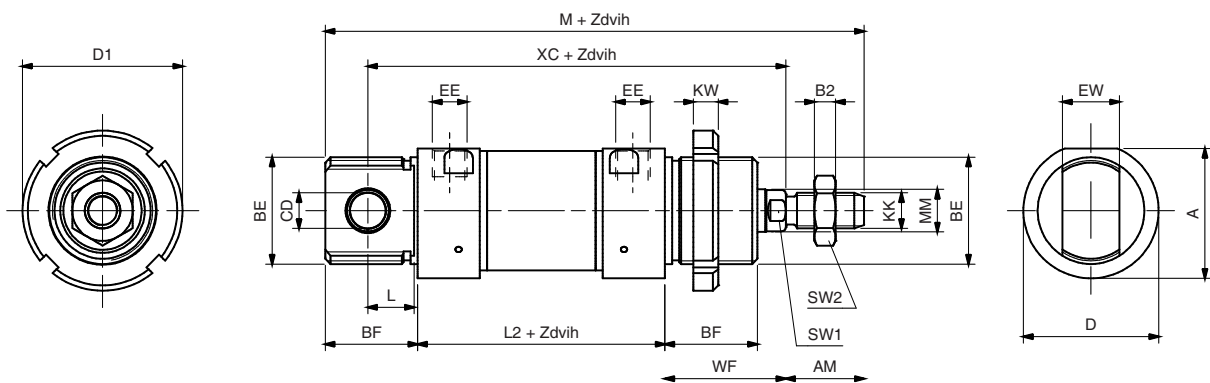
Použitý materiál

| | |
|----------------|-----------------------|
| Teleso valca | nehrdzavejúca oceľ |
| Kryt | eloxovaný hliník |
| Piest | bronz |
| Piestnica | tvrdá chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán |

| | | | | |
|----------|--|----------|--------------------------------|----------------|
| N | I | M | K | 32 / 80 |
| | | | | PRIEMER |
| | | | | 32 |
| | | | | 40 |
| | | | | 50 |
| | | | | 63 |
| | | | | ZDVIH |
| | | | | 25 |
| | | | | 50 |
| | | | | 80 |
| | | | | 100 |
| | | | | 125 |
| | | | | 160 |
| | | | | 200 |
| | | | | 250 |
| | | | | 320 |
| | | | | 400 |
| | | | | 500 |
| | | | | 600 |
| | | | | 700 |
| | | | | 800 |
| | | | | 900 |
| | | | | 1000 |
| | | | VERZIE | |
| | | | K FPM tesnenie stierača | |
| | | | V FPM tesnenie | |
| | VERZIE | | | |
| | I Dvojčinný valec | | | |
| | D Dvojčinný valec, nastaviteľné tlmenie | | | |
| | B Dvojčinný valec, vysunutá piestnica | | | |



NIM



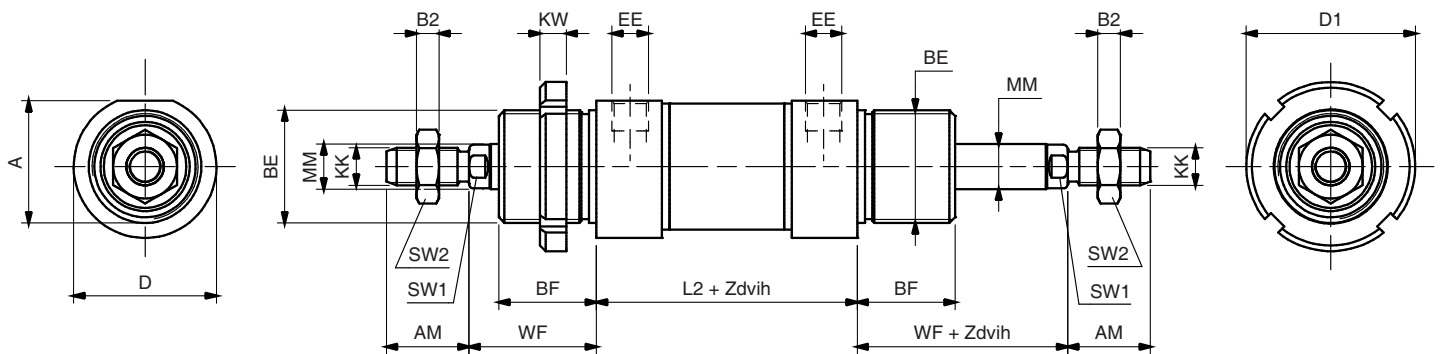
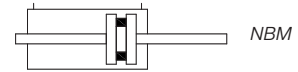
NDM

| Ø [mm] | A | AM | B2 | BE | BF | ØCD | ØD | ØD1 | EE | EW |
|--------|------|----|----|---------|----|-----|----|-----|-------|----|
| Ø 32 | 36,5 | 22 | 6 | M30x1,5 | 26 | 10 | 38 | 45 | G1/8" | 16 |
| Ø 40 | 44 | 24 | 7 | M38x1,5 | 30 | 12 | 46 | 50 | G1/4" | 18 |
| Ø 50 | 55 | 32 | 8 | M45x1,5 | 33 | 16 | 57 | 58 | G1/4" | 21 |
| Ø 63 | 67,5 | 32 | 8 | M45x1,5 | 33 | 16 | 70 | 58 | G3/8" | 21 |

| Ø [mm] | KK | KW | L | L2 | M | ØMM | SW1 | SW2 | WF | XC ± 1 |
|--------|----------|----|----|------|-------|-----|-----|-----|----|--------|
| Ø 32 | M10x1,25 | 7 | 13 | 69,5 | 151,5 | 12 | 10 | 17 | 34 | 117,5 |
| Ø 40 | M12x1,25 | 8 | 15 | 84,6 | 177,6 | 16 | 13 | 19 | 39 | 139,6 |
| Ø 50 | M16x1,5 | 9 | 16 | 86,2 | 195,2 | 20 | 17 | 24 | 44 | 147,2 |
| Ø 63 | M16x1,5 | 9 | 16 | 94,2 | 204,2 | 20 | 17 | 24 | 45 | 156,2 |

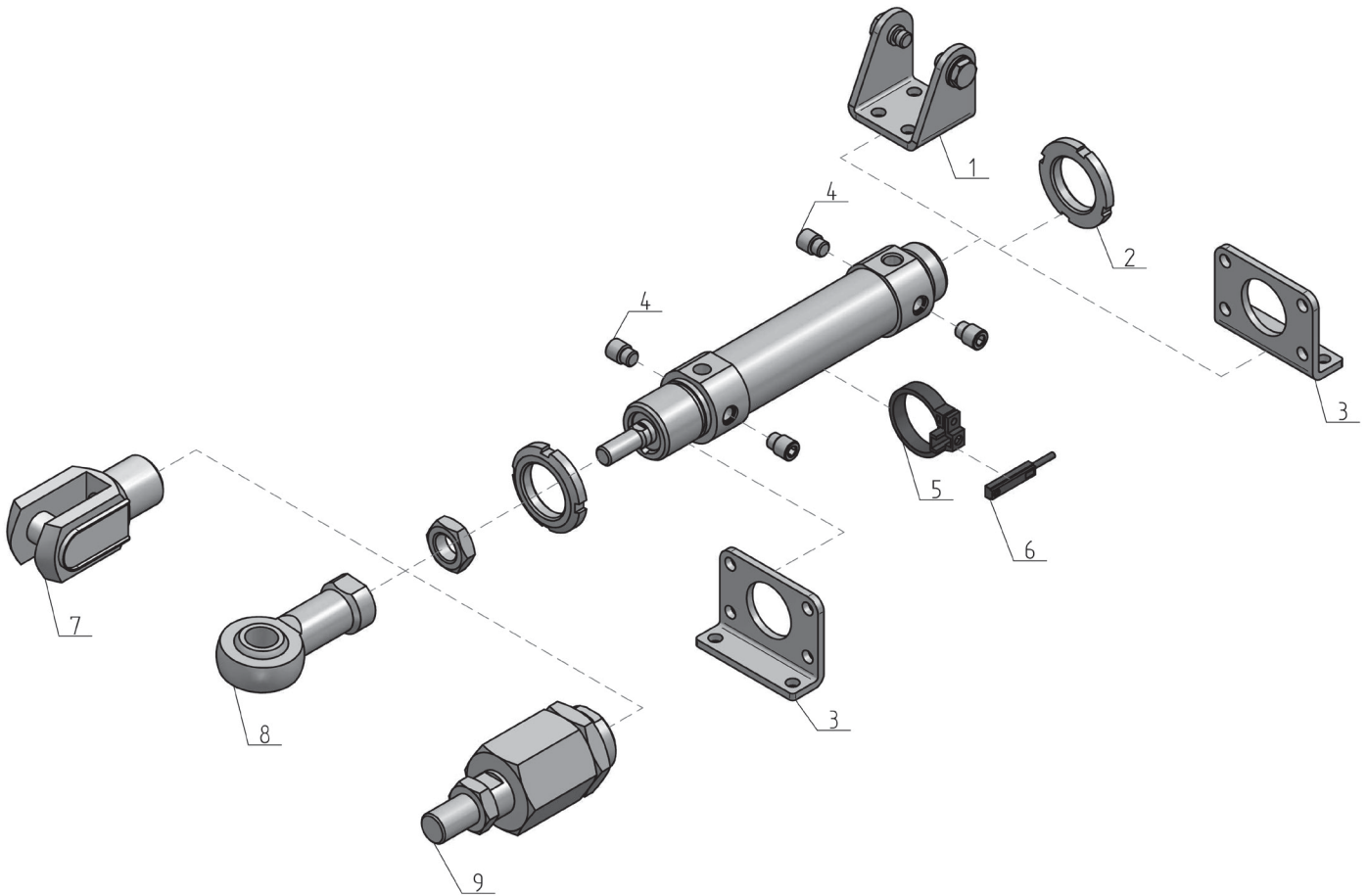
NBM

strana 30

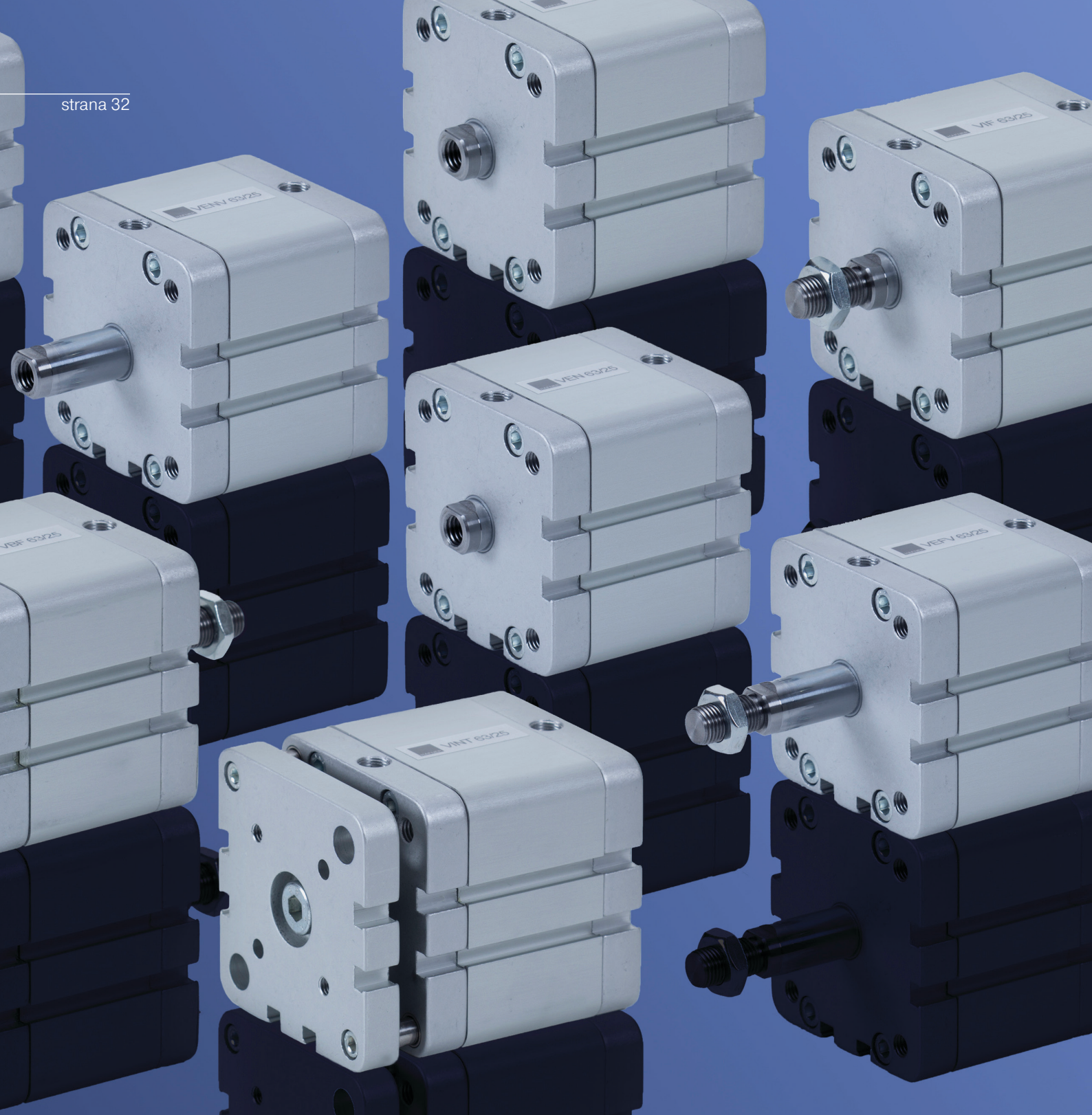


| Ø [mm] | A | AM | B2 | BE | BF | ØD | ØD1 | EE |
|--------|------|----|----|---------|----|----|-----|-------|
| Ø 32 | 36,5 | 22 | 6 | M30x1,5 | 26 | 38 | 45 | G1/8" |
| Ø 40 | 44 | 24 | 7 | M38x1,5 | 30 | 46 | 50 | G1/4" |
| Ø 50 | 55 | 32 | 8 | M45x1,5 | 33 | 57 | 58 | G1/4" |
| Ø 63 | 67,5 | 32 | 8 | M45x1,5 | 33 | 70 | 58 | G3/8" |

| Ø [mm] | KK | KW | L2 | ØMM | SW1 | SW2 | WF | WF |
|--------|----------|----|------|-----|-----|-----|------|------|
| Ø 32 | M10x1,25 | 7 | 69,5 | 12 | 10 | 17 | 33,9 | 33,9 |
| Ø 40 | M12x1,25 | 8 | 84,6 | 16 | 13 | 19 | 39 | 39 |
| Ø 50 | M16x1,5 | 9 | 86,2 | 20 | 17 | 24 | 43,9 | 43,9 |
| Ø 63 | M16x1,5 | 9 | 94,2 | 20 | 17 | 24 | 45 | 45 |



| Označenie | Typ | Pomenovanie | Strana |
|-----------|---------|---|--------|
| 1 | ACC | Ložiskové puzdro - k valcom série A | 139 |
| 2 | AGT | Upevňovacia matica - k valcom série A | 139 |
| 3 | APD | Pätkové upevnenie - k valcom série A | 140 |
| 4 | APE | Výkyvný čap - k valcom série A | 140 |
| 5 | RXP | Upevňovacia jednotka pre SKR/SKH snímač | 150 |
| 6 | SKR/SKH | Snímač | 149 |
| 7 | UV | Vidlicová koncovka s upevňovacím čapom | 134 |
| 8 | UK | Kĺbová hlavica | 135 |
| 9 | FK | Flexibilná spojka | 136 |

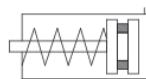


Kompaktné valce | ISO 21287

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 mm |
| Štandardný zdvih | 5- 10 - 25 - 40 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 mm |
| | Jednočinný |
| | Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | tvrdá chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| V | I | N | V | 20 / | 80 | Ex |
|---|---|---|---|--|--------------|------------------------------------|
| | | | | PRIEMER | ZDVIH | MOŽNOSTI |
| | | | | 20 | 5 | ⊕ II 2 GD c T6 -20°C < Tamb < 80°C |
| | | | | 25 | 10 | |
| | | | | 32* | 15 | |
| | | | | 40 | 25 | |
| | | | | 50 | 40 | |
| | | | | 63 | 50 | |
| | | | | 80 | 80 | |
| | | | | 100 | 100 | |
| | | | | | 125 | |
| | | | | | 160 | |
| | | | | | 200 | |
| | | | | | 250 | |
| | | | | | 320 | |
| | | | | | 400 | |
| | | | | VERZIE | | |
| | | | | PRÁZDNE Štandardné tesnenie | | |
| | | | | K FPM tesnenie stierača | | |
| | | | | H FPM tesnenie (v prípade valcov VE) | | |
| | | | | V FPM tesnenie (v prípade valcov VI, VB, VINT) | | |
| | | | | VERZIE | | |
| | | | | NV Vysunutá piestnica s vnútorným závitom (v prípade valcov VE) | | |
| | | | | FV Vysunutá piestnica s vonkajším závitom (v prípade valcov VE) | | |
| | | | | N Piestnica s vnútorným závitom | | |
| | | | | F Piestnica s vonkajším závitom | | |
| | | | | NT S vedením zaistené proti pootočeniu (v prípade valcov VI) | | |
| | | | | VERZIE | | |
| | | | | E Jednočinný valec | | |
| | | | | I Dvojčinný valec | | |
| | | | | B Dvojčinný valec, priebežná piestnica | | |

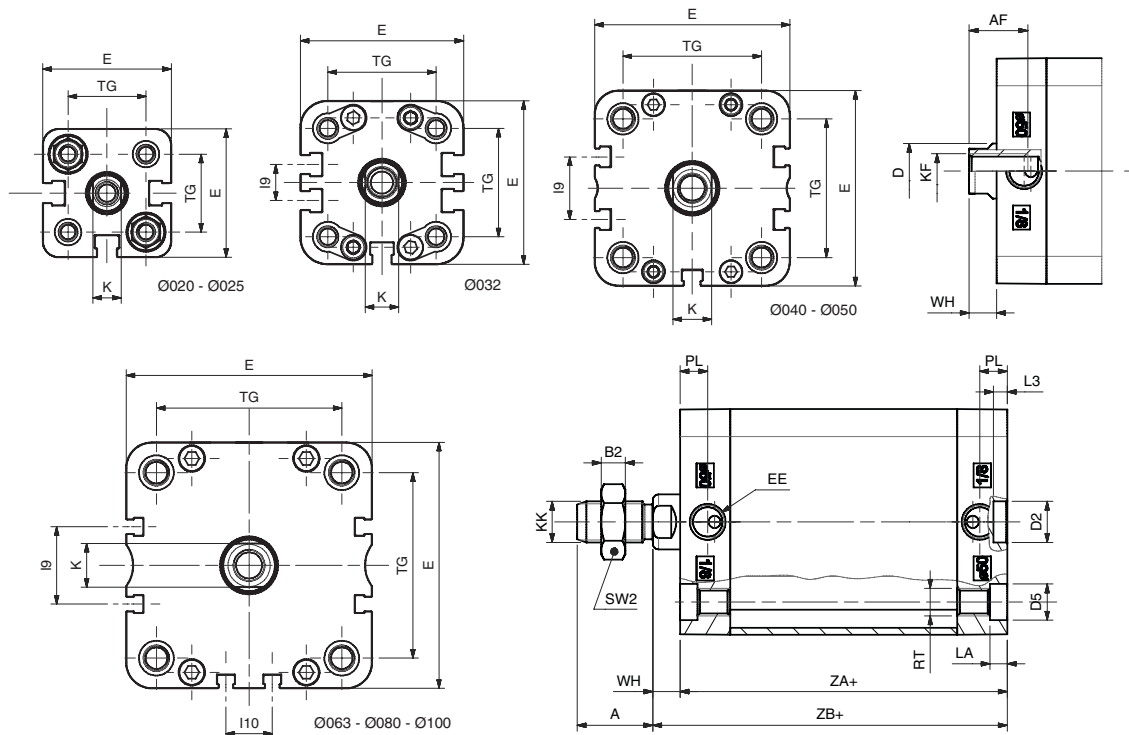
* Na požiadanie dostupné aj v prevedení s dutou tyčou na vákuum



ZEN



ZIN



| Ø [mm] | A | AF | B2 | Ø D | Ø D2 | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 9 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 9 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 12 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 12 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 12 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 12 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

| Ø [mm] | KF | KK | LA | L3 | PL | RT | SW2 | TG | WH | ZA+zdvih | ZB+zdvih |
|--------|-----|----------|-----|----|------|-----|-----|------|-----|----------|----------|
| Ø20 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 22 | 6,5 | 37 | 43,5 |
| Ø25 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 26 | 6 | 39 | 45 |
| Ø32 | M8 | M10x1,25 | 5 | 3 | 7,5 | M6 | 17 | 32,5 | 6,5 | 44 | 50,5 |
| Ø40 | M8 | M10x1,25 | 5 | 3 | 8 | M6 | 17 | 38 | 7 | 45 | 52 |
| Ø50 | M10 | M12x1,25 | 5 | 4 | 8 | M8 | 19 | 46,5 | 8 | 45 | 53 |
| Ø63 | M10 | M12x1,25 | 5 | 4 | 7,5 | M8 | 19 | 56,5 | 8 | 49 | 57 |
| Ø80 | M12 | M16x1,5 | 3 | 4 | 8 | M10 | 24 | 72 | 9 | 54 | 63 |
| Ø100 | M12 | M16x1,5 | 3 | 4 | 10,5 | M10 | 24 | 89 | 10 | 67 | 77 |



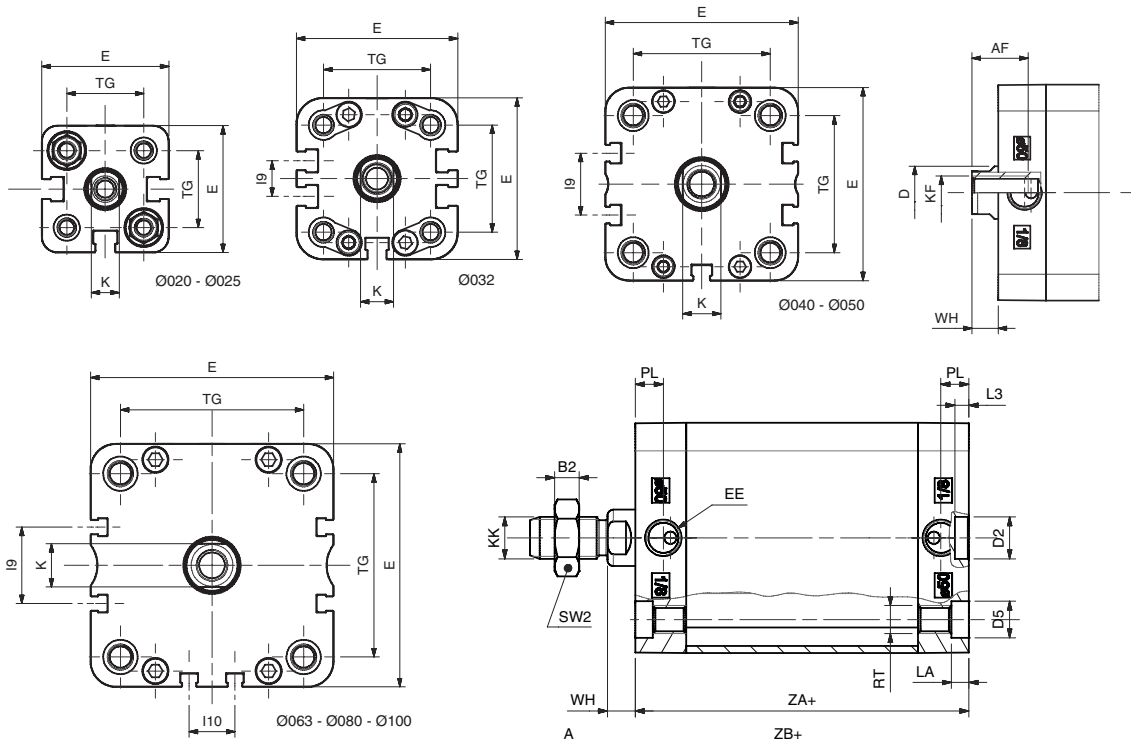
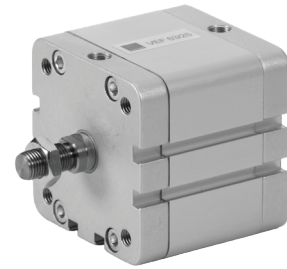
* ZEN valec: Ø35 - Ø40 - Ø50 - Ø60 | +10 mm v prípade Ø20 | +20 mm v prípade Ø25 - Ø32 - Ø40 | +30 mm v prípade Ø80 - Ø100



ZEF



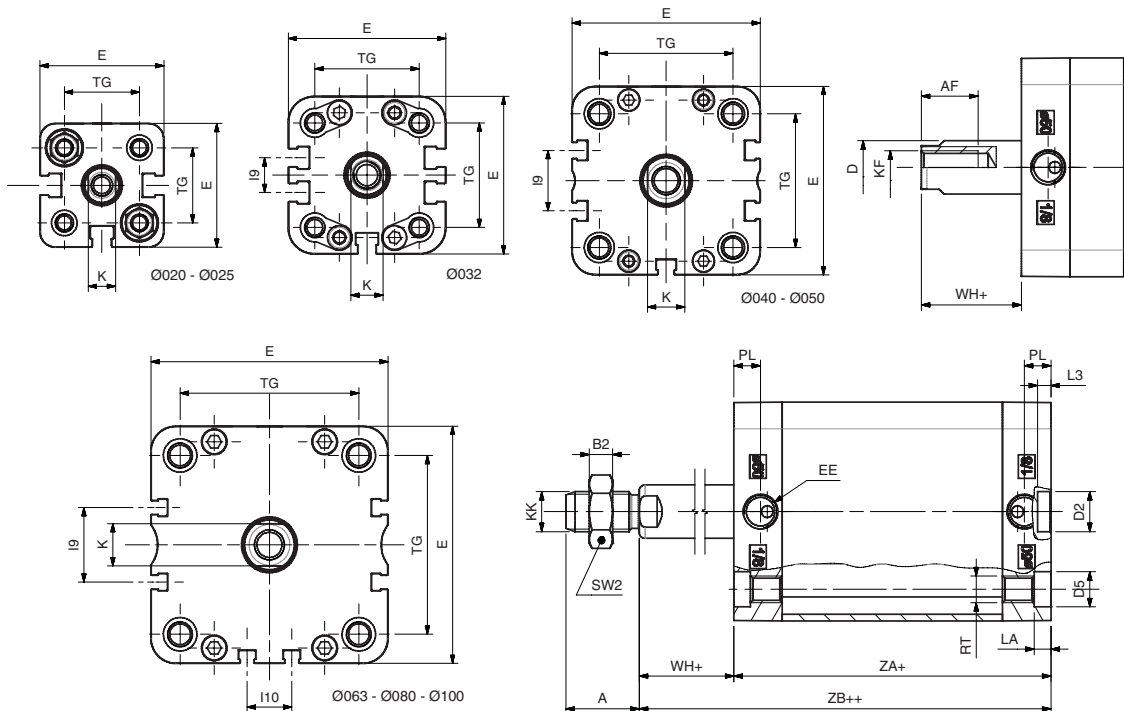
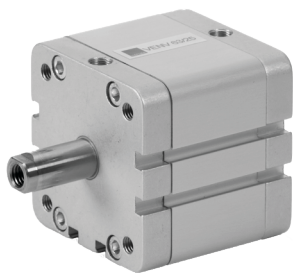
ZIF



| Ø [mm] | A | AF | B2 | Ø D | Ø D2 | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 9 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 9 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 12 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 12 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 12 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 12 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

| Ø [mm] | KF | KK | LA | L3 | PL | RT | SW2 | TG | WH | ZA+zdvih | ZB+zdvih | Ex |
|--------|-----|----------|-----|----|------|-----|-----|------|-----|----------|----------|----|
| Ø20 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 22 | 6,5 | 37 | 43,5 | Ex |
| Ø25 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 26 | 6 | 39 | 45 | Ex |
| Ø32 | M8 | M10x1,25 | 5 | 3 | 7,5 | M6 | 17 | 32,5 | 6,5 | 44 | 50,5 | Ex |
| Ø40 | M8 | M10x1,25 | 5 | 3 | 8 | M6 | 17 | 38 | 7 | 45 | 52 | Ex |
| Ø50 | M10 | M12x1,25 | 5 | 4 | 8 | M8 | 19 | 46,5 | 8 | 45 | 53 | Ex |
| Ø63 | M10 | M12x1,25 | 5 | 4 | 7,5 | M8 | 19 | 56,5 | 8 | 49 | 57 | Ex |
| Ø80 | M12 | M16x1,5 | 3 | 4 | 8 | M10 | 24 | 72 | 9 | 54 | 63 | Ex |
| Ø100 | M12 | M16x1,5 | 3 | 4 | 10,5 | M10 | 24 | 89 | 10 | 67 | 77 | Ex |

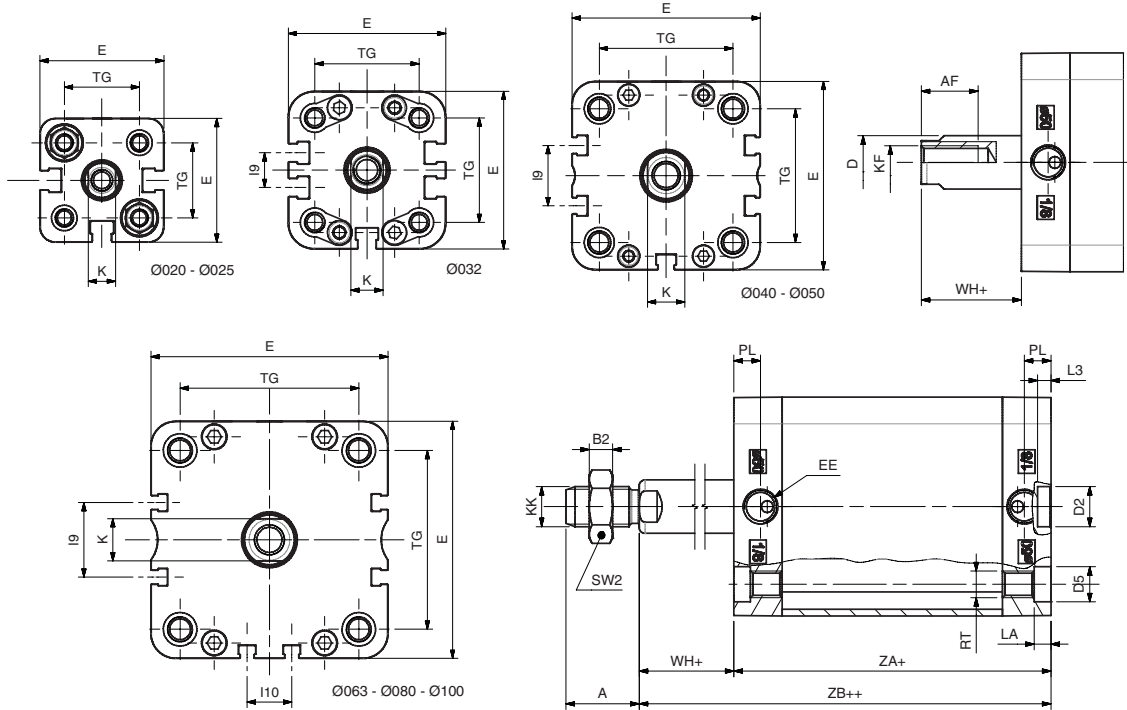
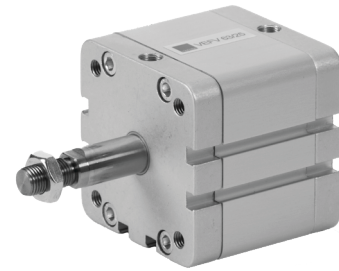
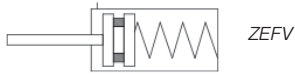
* Ø35- Ø40 - Ø50 - Ø60 | +10 mm v prípade Ø20 | +20 mm v prípade Ø25-32-40-50-63
+30 mm v prípade Ø80 - Ø100



| Ø [mm] | A | AF | B2 | Ø D | Ø D2 | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 9 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 9 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 12 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 12 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 12 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 12 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

| Ø [mm] | KF | KK | LA | L3 | PL | RT | SW2 | TG | WH+ | ZA+zdvih | ZB+2xzdvih | Ex |
|--------|-----|----------|-----|----|------|-----|-----|------|-----|----------|------------|----|
| Ø20 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 22 | 6,5 | 37* | 43,5* | Ex |
| Ø25 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 26 | 6 | 39* | 45* | Ex |
| Ø32 | M8 | M10x1,25 | 5 | 3 | 7,5 | M6 | 17 | 32,5 | 6,5 | 44* | 50,5* | Ex |
| Ø40 | M8 | M10x1,25 | 5 | 3 | 8 | M6 | 17 | 38 | 7 | 45* | 52* | Ex |
| Ø50 | M10 | M12x1,25 | 5 | 4 | 8 | M8 | 19 | 46,5 | 8 | 45* | 53* | Ex |
| Ø63 | M10 | M12x1,25 | 5 | 4 | 7,5 | M8 | 19 | 56,5 | 8 | 49* | 57* | Ex |
| Ø80 | M12 | M16x1,5 | 3 | 4 | 8 | M10 | 24 | 72 | 9 | 54* | 63* | Ex |
| Ø100 | M12 | M16x1,5 | 3 | 4 | 10,5 | M10 | 24 | 89 | 10 | 67* | 77* | Ex |

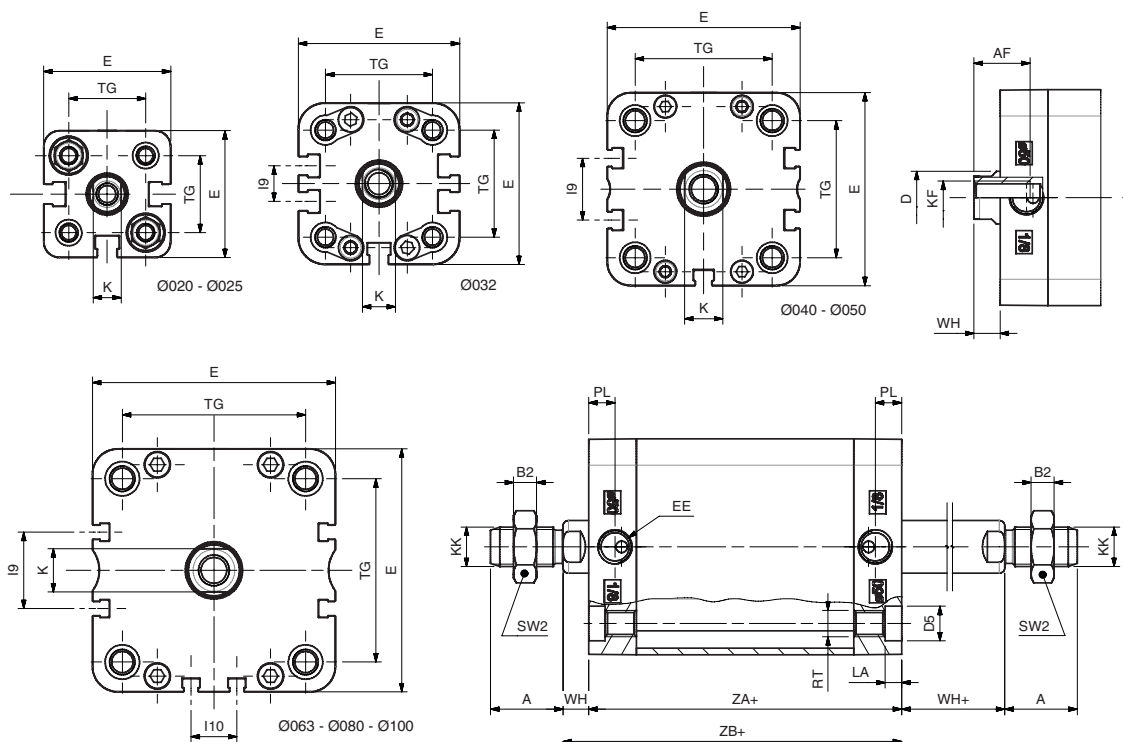
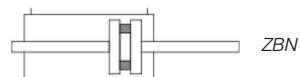
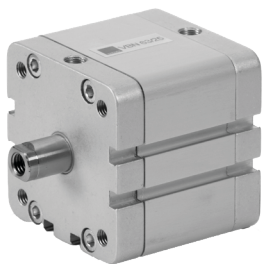
* Ø35- Ø40 - Ø50 - Ø60 esetén | +10 mm v prípade Ø20 ... Ø63 | +20 mm v prípade Ø80 - Ø100



| Ø [mm] | A | AF | B2 | Ø D | Ø D2 | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 9 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 9 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 12 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 12 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 12 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 12 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

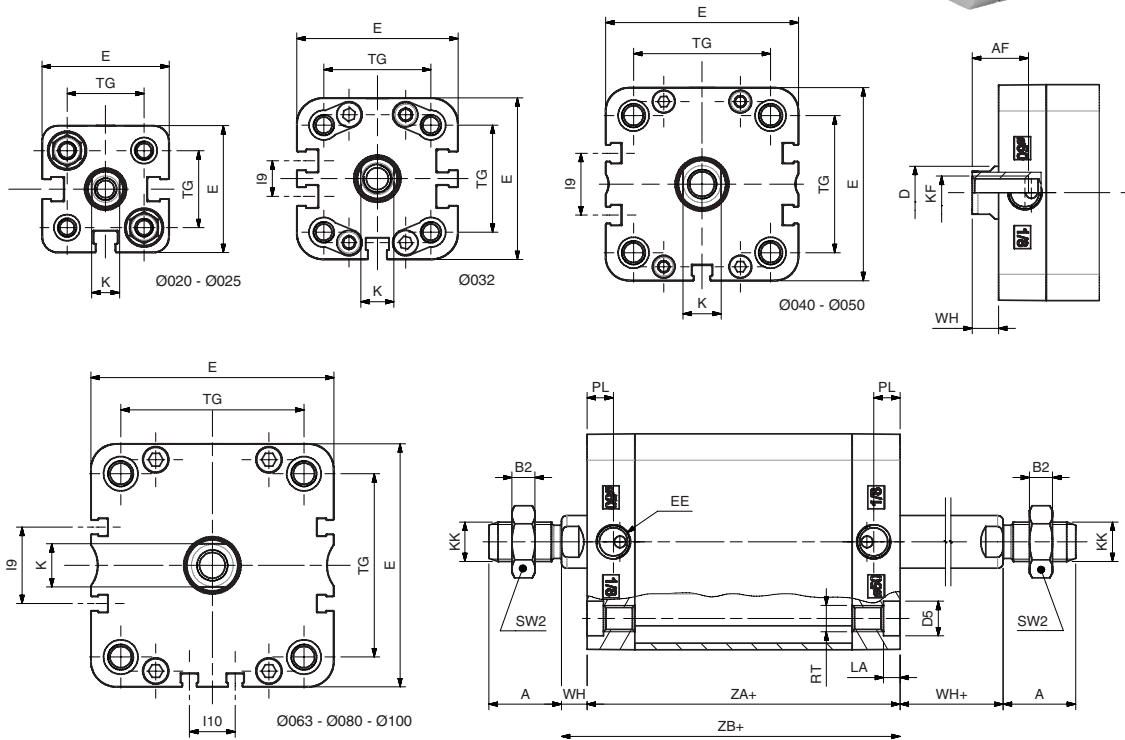
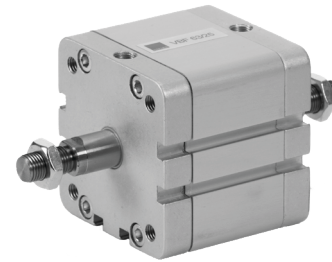
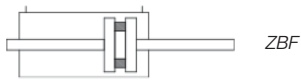
| Ø [mm] | KF | KK | LA | L3 | PL | RT | SW2 | TG | WH+ | ZA+zdvih | ZB+2xzdvih | Ex |
|--------|-----|----------|-----|----|------|-----|-----|------|-----|----------|------------|----|
| Ø20 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 22 | 6,5 | 37* | 43,5* | Ex |
| Ø25 | M6 | M8 | 4,5 | 3 | 7,5 | M5 | 13 | 26 | 6 | 39* | 45* | Ex |
| Ø32 | M8 | M10x1,25 | 5 | 3 | 7,5 | M6 | 17 | 32,5 | 6,5 | 44* | 50,5* | Ex |
| Ø40 | M8 | M10x1,25 | 5 | 3 | 8 | M6 | 17 | 38 | 7 | 45* | 52* | Ex |
| Ø50 | M10 | M12x1,25 | 5 | 4 | 8 | M8 | 19 | 46,5 | 8 | 45* | 53* | Ex |
| Ø63 | M10 | M12x1,25 | 5 | 4 | 7,5 | M8 | 19 | 56,5 | 8 | 49* | 57* | Ex |
| Ø80 | M12 | M16x1,5 | 3 | 4 | 8 | M10 | 24 | 72 | 9 | 54* | 63* | Ex |
| Ø100 | M12 | M16x1,5 | 3 | 4 | 10,5 | M10 | 24 | 89 | 10 | 67* | 77* | Ex |

* Ø35 - Ø40 - Ø50 - Ø60 esetén | +10 mm v prípade Ø20 ... Ø63 | +20 mm v prípade Ø80 - Ø100



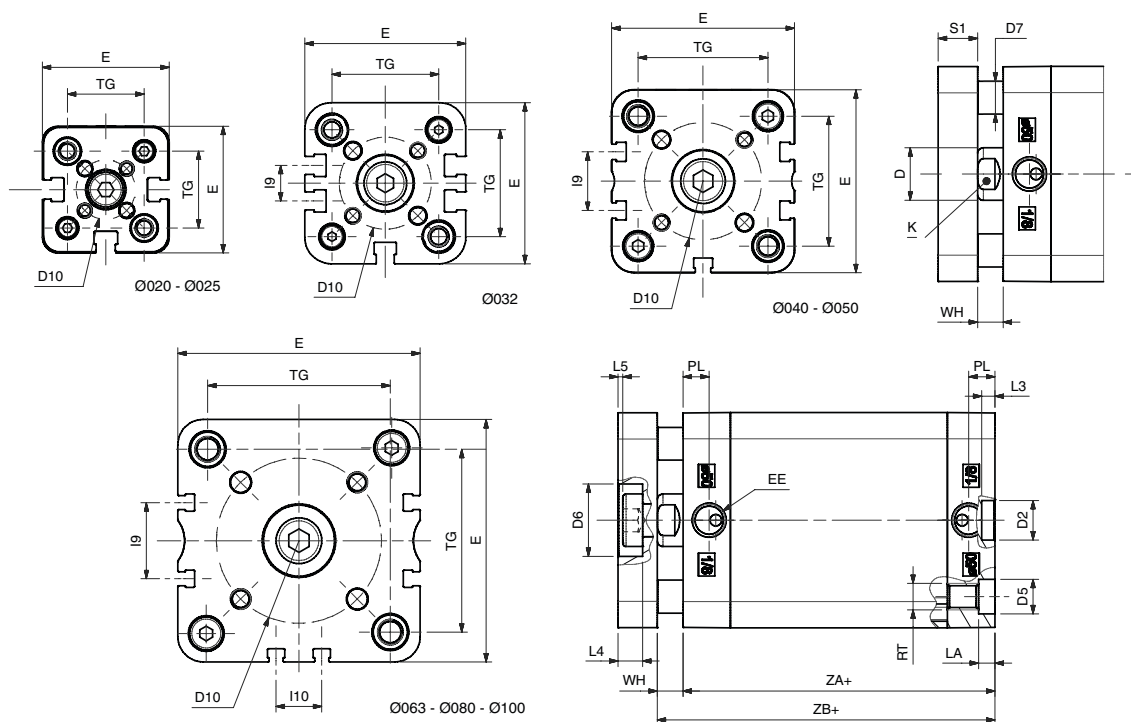
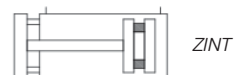
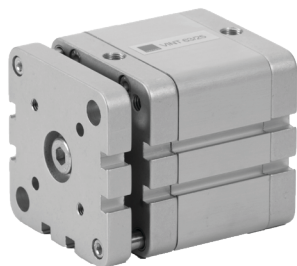
| Ø [mm] | A | AF | B2 | Ø D | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

| Ø [mm] | KF | KK | LA | PL | RT | SW2 | TG | WH | WH+ | ZA+zdvih | ZB+zdvih | Ex |
|--------|-----|----------|-----|------|-----|-----|------|-----|-----|----------|----------|----|
| Ø20 | M6 | M8 | 4,5 | 7,5 | M5 | 13 | 22 | 6,5 | 6,5 | 37 | 43,5 | Ex |
| Ø25 | M6 | M8 | 4,5 | 7,5 | M5 | 13 | 26 | 6 | 6 | 39 | 45 | Ex |
| Ø32 | M8 | M10x1,25 | 5 | 7,5 | M6 | 17 | 32,5 | 6,5 | 6,5 | 44 | 50,5 | Ex |
| Ø40 | M8 | M10x1,25 | 5 | 8 | M6 | 17 | 38 | 7 | 7 | 45 | 52 | Ex |
| Ø50 | M10 | M12x1,25 | 5 | 8 | M8 | 19 | 46,5 | 8 | 8 | 45 | 53 | Ex |
| Ø63 | M10 | M12x1,25 | 5 | 7,5 | M8 | 19 | 56,5 | 8 | 8 | 49 | 57 | Ex |
| Ø80 | M12 | M16x1,5 | 3 | 8 | M10 | 24 | 72 | 9 | 9 | 54 | 63 | Ex |
| Ø100 | M12 | M16x1,5 | 3 | 10,5 | M10 | 24 | 89 | 10 | 10 | 67 | 77 | Ex |



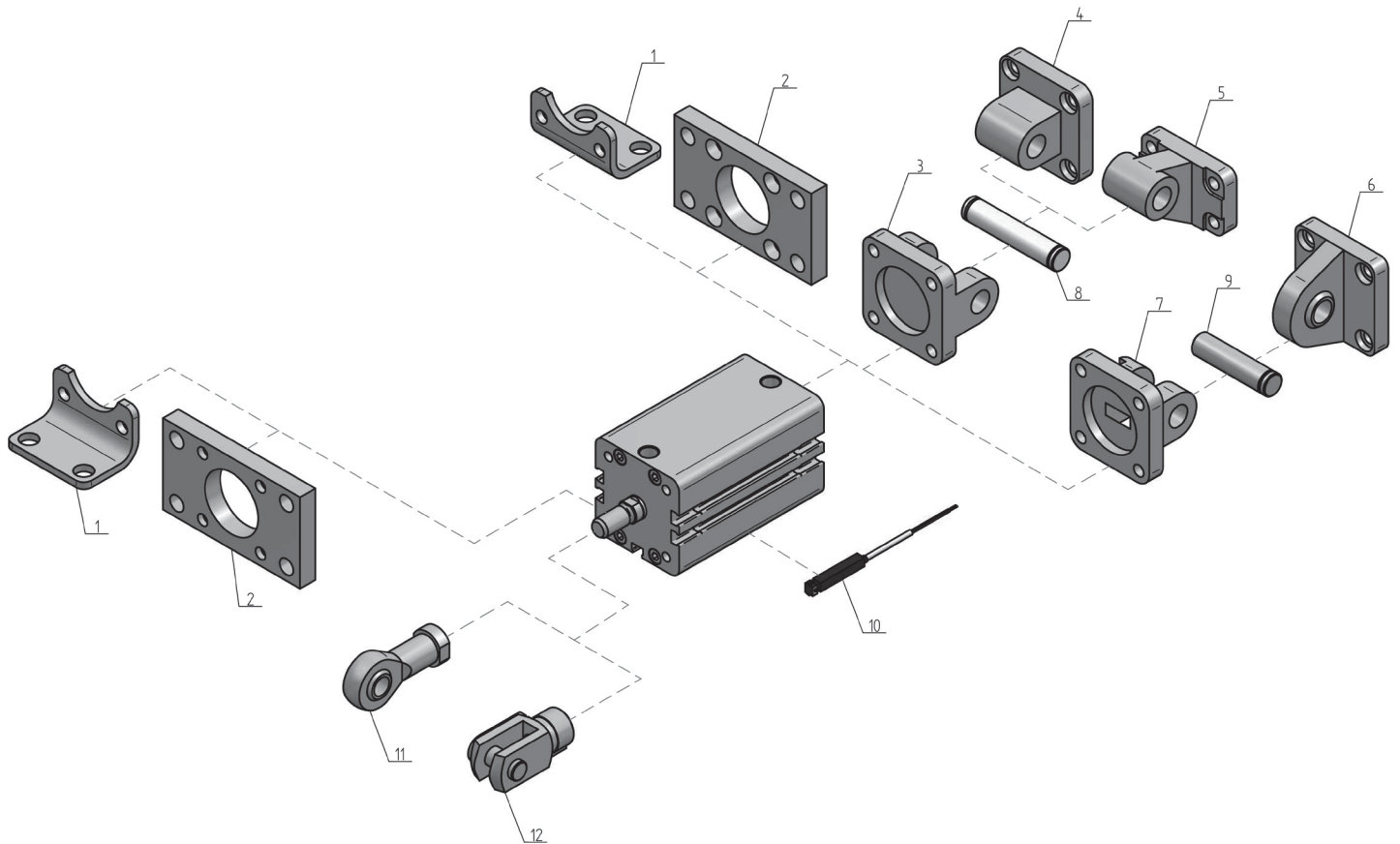
| Ø [mm] | A | AF | B2 | Ø D | Ø D5 | E | EE | I9 | I10 | K |
|--------|----|----|----|-----|------|-------|------|------|-----|----|
| Ø20 | 16 | 15 | 5 | 10 | 7,5 | 36 | M5 | - | - | 8 |
| Ø25 | 16 | 15 | 5 | 10 | 7,5 | 40 | M5 | - | - | 8 |
| Ø32 | 19 | 15 | 6 | 12 | 9 | 49 | G1/8 | 10,8 | - | 10 |
| Ø40 | 19 | 15 | 6 | 12 | 9 | 54,5 | G1/8 | 12,8 | - | 10 |
| Ø50 | 22 | 17 | 7 | 16 | 10,5 | 65,5 | G1/8 | 21 | - | 13 |
| Ø63 | 22 | 17 | 7 | 16 | 10,5 | 77 | G1/8 | 25,8 | 13 | 13 |
| Ø80 | 28 | 20 | 8 | 20 | 13,5 | 95,5 | G1/8 | 30 | 18 | 17 |
| Ø100 | 28 | 22 | 8 | 25 | 13,5 | 113,5 | G1/8 | 50 | 35 | 22 |

| Ø [mm] | KF | KK | LA | PL | RT | SW2 | TG | WH | WH+ | ZA+zdvih | ZB+zdvih | Ex |
|--------|-----|----------|-----|------|-----|-----|------|-----|-----|----------|----------|----|
| Ø20 | M6 | M8 | 4,5 | 7,5 | M5 | 13 | 22 | 6,5 | 6,5 | 37 | 43,5 | Ex |
| Ø25 | M6 | M8 | 4,5 | 7,5 | M5 | 13 | 26 | 6 | 6 | 39 | 45 | Ex |
| Ø32 | M8 | M10x1,25 | 5 | 7,5 | M6 | 17 | 32,5 | 6,5 | 6,5 | 44 | 50,5 | Ex |
| Ø40 | M8 | M10x1,25 | 5 | 8 | M6 | 17 | 38 | 7 | 7 | 45 | 52 | Ex |
| Ø50 | M10 | M12x1,25 | 5 | 8 | M8 | 19 | 46,5 | 8 | 8 | 45 | 53 | Ex |
| Ø63 | M10 | M12x1,25 | 5 | 7,5 | M8 | 19 | 56,5 | 8 | 8 | 49 | 57 | Ex |
| Ø80 | M12 | M16x1,5 | 3 | 8 | M10 | 24 | 72 | 9 | 9 | 54 | 63 | Ex |
| Ø100 | M12 | M16x1,5 | 3 | 10,5 | M10 | 24 | 89 | 10 | 10 | 67 | 77 | Ex |



| Ø [mm] | Ø D | Ø D2 | Ø D5 | Ø D6 | Ø D7 | D8 | Ø D9 | Ø D10 | E | EE | I9 | I10 |
|--------|-----|------|------|------|------|----|------|-------|------|------|------|-----|
| Ø20 | 10 | 9 | 7,5 | 11 | 5 | M4 | 4 | 17 | 36 | M5 | - | - |
| Ø25 | 10 | 9 | 7,5 | 14 | 6 | M5 | 5 | 22 | 40 | M5 | - | - |
| Ø32 | 12 | 9 | 9 | 17 | 6 | M5 | 5 | 28 | 49 | G1/8 | 10,8 | - |
| Ø40 | 12 | 9 | 9 | 17 | 8 | M5 | 5 | 33 | 54,5 | G1/8 | 12,8 | - |
| Ø50 | 16 | 12 | 10,5 | 22 | 10 | M6 | 6 | 42 | 65,5 | G1/8 | 21 | - |
| Ø63 | 16 | 12 | 10,5 | 22 | 10 | M6 | 6 | 50 | 77 | G1/8 | 25,8 | 13 |
| Ø80 | 20 | 12 | 13,5 | 28 | 14 | M8 | 8 | 65 | 95,5 | G1/8 | 30 | 18 |

| Ø [mm] | K | LA | L3 | L4 | L5 | PL | RT | S1 | TG | WH | ZA+zdvih | ZB+zdvih | Ex |
|--------|----|-----|----|-----|-----|-----|-----|----|------|-----|----------|----------|----|
| Ø20 | 8 | 4,5 | 3 | 5 | 1 | 7,5 | M5 | 8 | 22 | 6,5 | 37 | 43,5 | Ex |
| Ø25 | 8 | 4,5 | 3 | 5 | 1 | 7,5 | M5 | 8 | 26 | 6 | 39 | 45 | Ex |
| Ø32 | 10 | 5 | 3 | 6,5 | 1,5 | 7,5 | M6 | 10 | 32,5 | 6,5 | 44 | 50,5 | Ex |
| Ø40 | 10 | 5 | 3 | 6,5 | 1,5 | 8 | M6 | 10 | 38 | 7 | 45 | 52 | Ex |
| Ø50 | 13 | 5 | 4 | 7,5 | 1,5 | 8 | M8 | 12 | 46,5 | 8 | 45 | 53 | Ex |
| Ø63 | 13 | 5 | 4 | 7,5 | 1,5 | 7,5 | M8 | 12 | 56,5 | 8 | 49 | 57 | Ex |
| Ø80 | 17 | 3 | 4 | 9 | 2 | 8 | M10 | 14 | 72 | 9 | 54 | 63 | Ex |



| Označenie | Typ | Pomenovanie | Strana |
|-----------|---------|--|--------|
| 1 | DL | Pätkové upevnenie - rozmery upevnenia podľa ISO-VDMA | 141 |
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| 3 | DG | Vidlicová príruha - rozmery upevnenia podľa ISO-VDMA | 142 |
| 4 | DH | Príruba s okom - rozmery upevnenia podľa ISO-VDMA | 143 |
| 5 | DW | Príruba s okom (90°) - rozmery upevnenia podľa ISO-VDMA | 145 |
| 6 | DKL | Kĺbová príruha - rozmery upevnenia podľa ISO-VDMA | 145 |
| 7 | DGS | Vidlicová príruha ku kĺbovej príruhe | 142 |
| 8 | DC | Upínací kolík - rozmery upevnenia podľa ISO-VDMA | 146 |
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| 11 | UKF | Kĺbová hlavica | 133 |
| 12 | UV | Vidlicová koncovka s upevňovacím čapom | 134 |



Kompaktné valce | UNITOP

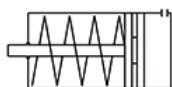
| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø12 - Ø16 - Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 mm |
| Štandardný zdvih | 5 - 10 - 25 - 40 - 50 - 80 - 100 - 125 - 150 - 200 mm (v závislosti od priemeru) |
| | <div style="border: 1px solid black; padding: 2px;"> Jednočinný </div> <div style="border: 1px solid black; padding: 2px;"> Dvojčinný </div> |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | Ø12 ... Ø25 nehrdzavejúca oceľ / Ø32 ... Ø100 tvrdo chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| Q | I | N | V | 20 | / | 80 | Ex |
|---|---|---|---|---|---|--------------|----------------------------------|
| | | | | PRIEMER | | ZDVIH | MOŽNOSTI |
| | | | | 12 | | 5 | II 2 GD c T6 -20°C < Tamb < 80°C |
| | | | | 16 | | 10 | |
| | | | | 20 | | 25 | |
| | | | | 25 | | 40 | |
| | | | | 32 | | 50 | |
| | | | | 40 | | 80 | |
| | | | | 50 | | 100 | |
| | | | | 63 | | 125 | |
| | | | | 80 | | 150 | |
| | | | | 100 | | 200 | |
| | | | | VERZIE | | | |
| | | | | PRÁZDNE Štandardné tesnenie K FPM tesnenie stierača H FPM tesnenie (v prípade valcov QE) V FPM tesnenie (v prípade valcov QI, QB, QINT) | | | |
| | | | | VERZIE | | | |
| | | | | NV Vysunutá piestnica s vnútorným závitom (v prípade valcov QE) FV Vysunutá piestnica s vonkajším závitom (v prípade valcov QE) N Piestnica s vnútorným závitom F Piestnica s vonkajším závitom NT S vedením zaistené proti pootočeniu (v prípade valcov QI) | | | |
| | | | | VERZIE | | | |
| | | | | E Jednočinný valec I Dvojčinný valec B Dvojčinný valec, priebežná piestnica | | | |

Valec QINTV je dostupný len od priemeru 16 mm

QEN/QIN/QBN

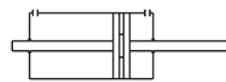
strana 44



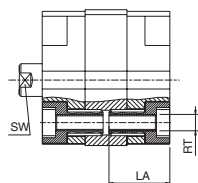
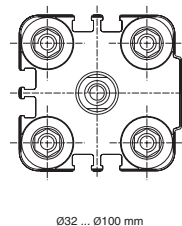
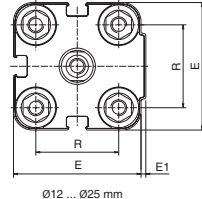
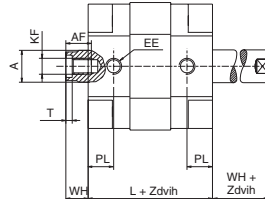
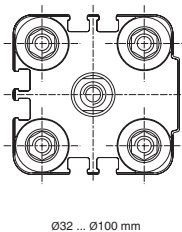
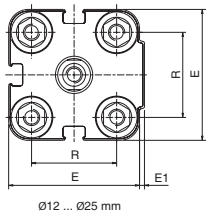
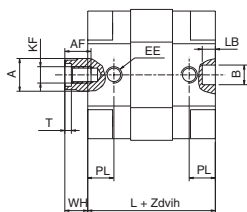
QEN



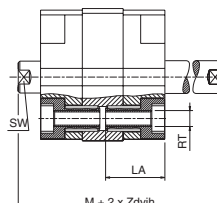
QIN



QBN



QEN/QIN

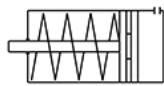


QBN

| Ø [mm] | A | B | E | E1 | L | M | R | T | AF |
|--------|----|---|------------|-----|------------|------------|-----|-----|----|
| Ø 12 | 6 | 6 | 29 | 1 | 35 (38)* | 50 (47)* | 18 | 1,5 | 6 |
| Ø 16 | 8 | 6 | 29 | 1 | 35 (38)* | 52 (47)* | 18 | 2 | 8 |
| Ø 20 | 10 | 6 | 36 | 1,5 | 39 (38)* | 53 (47)* | 22 | 2 | 8 |
| Ø 25 | 10 | 6 | 40 | 1,5 | 39 (39,5)* | 53 (50,5)* | 26 | 2 | 8 |
| Ø 32 | 12 | 6 | 50 | 2 | 42 (44,5)* | 56 (56,5)* | 32 | 2,8 | 10 |
| Ø 40 | 12 | 6 | 60 (58*) | 2,5 | 45,5 | 62,5 | 42 | 2,8 | 10 |
| Ø 50 | 16 | 6 | 68 (67)* | 3 | 45,5 | 65,5 | 50 | 3,5 | 12 |
| Ø 63 | 16 | 8 | 87 (80)* | 4 | 51 (50)* | 72 (65)* | 62 | 3,5 | 12 |
| Ø 80 | 20 | 8 | 107 (100)* | 4 | 62 (56)* | 88 (72)* | 82 | 4,5 | 16 |
| Ø 100 | 25 | 8 | 128 (124)* | 5 | 68 (66,5)* | 99 (86,5)* | 103 | 6 | 20 |

| Ø [mm] | EE | KF | LA | LB | PL | RT | SW | WH |
|--------|--------|-----|------|----|------------|-----|----|-------------|
| Ø 12 | M5 | M3 | 16 | 4 | 6,5 (8)* | M4 | 5 | 7,5 (4,5)* |
| Ø 16 | M5 | M4 | 16 | 4 | 6,5 (8)* | M4 | 7 | 8,5 (4,5)* |
| Ø 20 | M5 | M5 | 18,5 | 4 | 8 | M5 | 9 | 7 (4,5)* |
| Ø 25 | M5 | M5 | 18,5 | 4 | 8 | M5 | 9 | 7 (5,5)* |
| Ø 32 | G 1/8" | M6 | 21,5 | 4 | 6,5 (8)* | M6 | 10 | 7 (6)* |
| Ø 40 | G 1/8" | M6 | 21,5 | 4 | 7,5 (8)* | M6 | 10 | 8,5 (6,5)* |
| Ø 50 | G 1/8" | M8 | 23,5 | 4 | 7,5 (8)* | M8 | 13 | 10 (7,5)* |
| Ø 63 | G 1/8" | M8 | 28,5 | 4 | 7,5 (8)* | M10 | 13 | 10,5 (7,5)* |
| Ø 80 | G 1/8" | M10 | 28,5 | 4 | 9,5 (8,5)* | M10 | 17 | 13 (8)* |
| Ø 100 | G 1/4" | M12 | 28,5 | 4 | 10,5 | M10 | 22 | 15,5 (10)* |

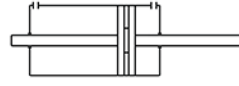
* V prípade valcov QENK, QENH, QEFK, QEFH, QENVK, QENVH, QEFVK, QEFVH, QINK, QINV, QIFK, QIFV, QBNK, QBNV, QBFK, QBFV, QINTK, QINTV



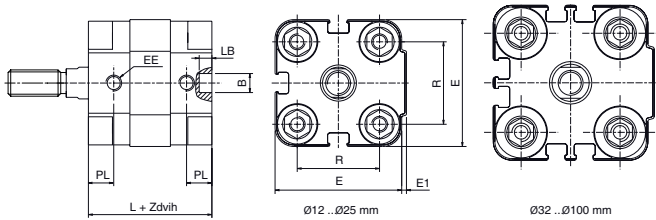
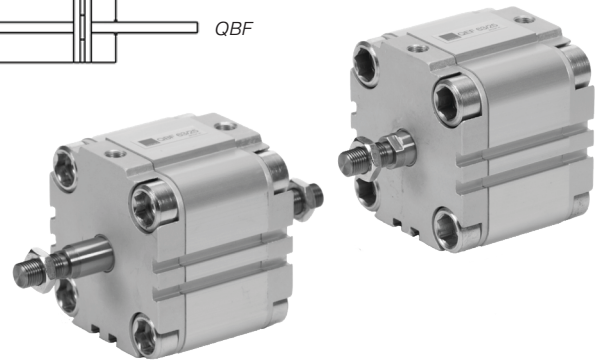
QEF



QIF

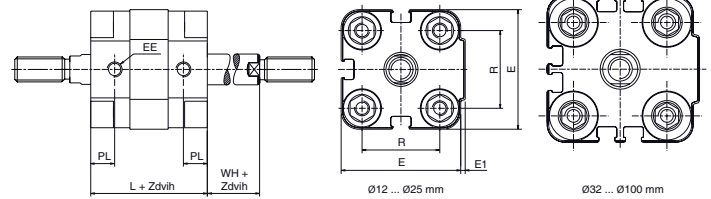


QBF



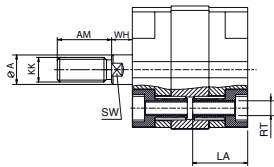
Ø12 ... Ø25 mm

Ø32 ... Ø100 mm

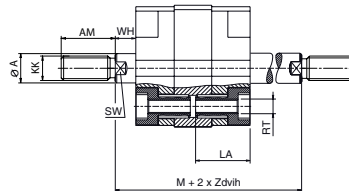


Ø12 ... Ø25 mm

Ø32 ... Ø100 mm



QEF/QIF

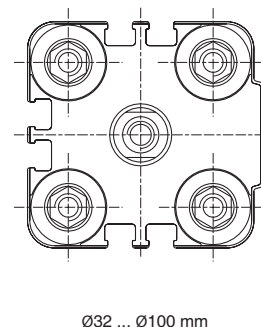
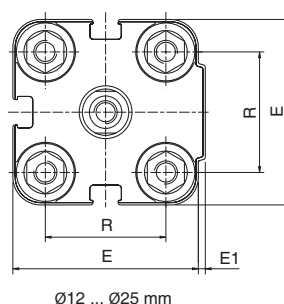
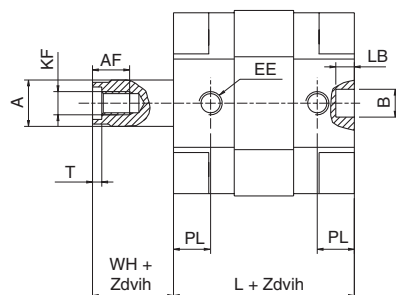
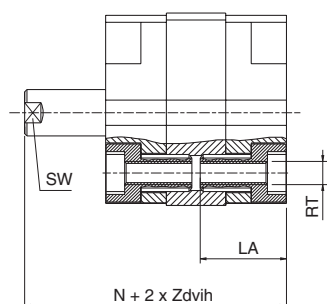
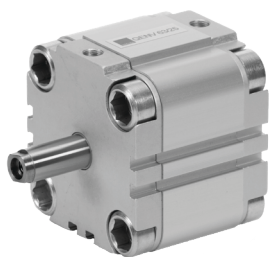


QBF

| Ø [mm] | A | B | E | E1 | L | M | R | T | AM |
|--------|----|---|------------|-----|------------|------------|-----|-----|----|
| Ø 12 | 6 | 6 | 29 | 1 | 35 (38)* | 50 (47)* | 18 | 1,5 | 16 |
| Ø 16 | 8 | 6 | 29 | 1 | 35 (38)* | 52 (47)* | 18 | 2 | 20 |
| Ø 20 | 10 | 6 | 36 | 1,5 | 39 (38)* | 53 (47)* | 22 | 2 | 22 |
| Ø 25 | 10 | 6 | 40 | 1,5 | 39 (39,5)* | 53 (50,5)* | 26 | 2 | 22 |
| Ø 32 | 12 | 6 | 50 | 2 | 42 (44,5)* | 56 (56,5)* | 32 | 2,8 | 22 |
| Ø 40 | 12 | 6 | 60 (58*) | 2,5 | 45,5 | 62,5 | 42 | 2,8 | 22 |
| Ø 50 | 16 | 6 | 68 (67)* | 3 | 45,5 | 65,5 | 50 | 3,5 | 24 |
| Ø 63 | 16 | 8 | 87 (80)* | 4 | 51 (50)* | 72 (65)* | 62 | 3,5 | 24 |
| Ø 80 | 20 | 8 | 107 (100)* | 4 | 62 (56)* | 88 (72)* | 82 | 4,5 | 32 |
| Ø 100 | 25 | 8 | 128 (124)* | 5 | 68 (66,5)* | 99 (86,5)* | 103 | 6 | 40 |

| Ø [mm] | EE | KK | LA | LB | PL | RT | SW | WH |
|--------|--------|----------|------|----|------------|-----|----|-------------|
| Ø 12 | M5 | M6 | 16 | 4 | 6,5 (8)* | M4 | 5 | 7,5 (4,5)* |
| Ø 16 | M5 | M8 | 16 | 4 | 6,5 (8)* | M4 | 7 | 8,5 (4,5)* |
| Ø 20 | M5 | M10x1,25 | 18,5 | 4 | 8 | M5 | 9 | 7 (4,5)* |
| Ø 25 | M5 | M10x1,25 | 18,5 | 4 | 8 | M5 | 9 | 7 (5,5)* |
| Ø 32 | G 1/8" | M10x1,25 | 21,5 | 4 | 6,5 (8)* | M6 | 10 | 7 (6)* |
| Ø 40 | G 1/8" | M10x1,25 | 21,5 | 4 | 7,5 (8)* | M6 | 10 | 8,5 (6,5)* |
| Ø 50 | G 1/8" | M12x1,25 | 23,5 | 4 | 7,5 (8)* | M8 | 13 | 10 (7,5)* |
| Ø 63 | G 1/8" | M12x1,25 | 28,5 | 4 | 7,5 (8)* | M10 | 13 | 10,5 (7,5)* |
| Ø 80 | G 1/8" | M16x1,5 | 28,5 | 4 | 9,5 (8,5)* | M10 | 17 | 13 (8)* |
| Ø 100 | G 1/4" | M20x1,5 | 28,5 | 4 | 10,5 | M10 | 22 | 15,5 (10)* |

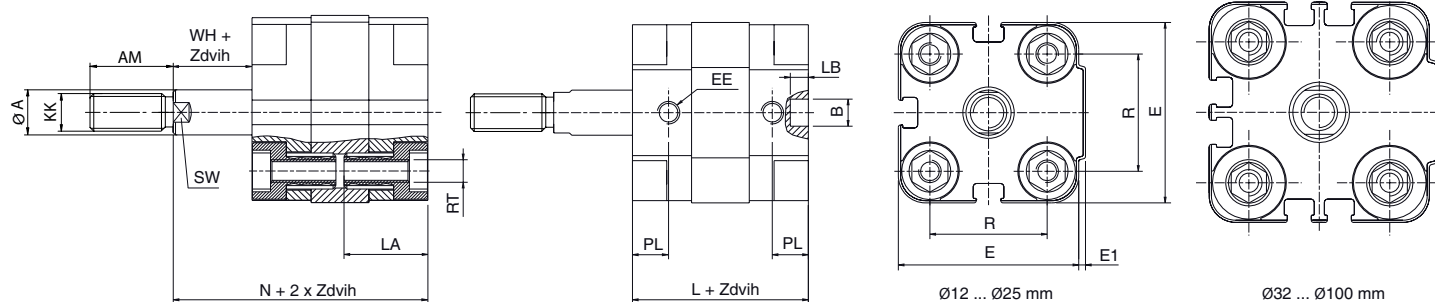
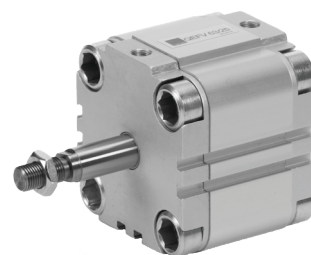
* V prípade valcov QENK, QENH, QEFK, QEFH, QENVK, QENVH, QEFVK, QEFVH, QINK, QINV, QIFK, QIFV, QBNK, QBNV, QBFK, QBFV, QINTK, QINTV



| Ø [mm] | A | B | E | E1 | L | N | R | T | AF |
|--------|----|---|------------|-----|------------|--------------|-----|-----|----|
| Ø 12 | 6 | 6 | 29 | 1 | 35 (38)* | 42,5 | 18 | 1,5 | 6 |
| Ø 16 | 8 | 6 | 29 | 1 | 35 (38)* | 43,5 | 18 | 2 | 8 |
| Ø 20 | 10 | 6 | 36 | 1,5 | 39 (38)* | 46 (42,5)* | 22 | 2 | 8 |
| Ø 25 | 10 | 6 | 40 | 1,5 | 39 (39,5)* | 46 (45)* | 26 | 2 | 8 |
| Ø 32 | 12 | 6 | 50 | 2 | 42(44,5)* | 49 (50,5)* | 32 | 2,8 | 10 |
| Ø 40 | 12 | 6 | 60 (58*) | 2,5 | 45,5 | 54 (52)* | 42 | 2,8 | 10 |
| Ø 50 | 16 | 6 | 68 (67)* | 3 | 45,5 | 55,5 (53)* | 50 | 3,5 | 12 |
| Ø 63 | 16 | 8 | 87 (80)* | 4 | 51 (50)* | 61,5 (57,5)* | 62 | 3,5 | 12 |
| Ø 80 | 20 | 8 | 107 (100)* | 4 | 62 (56)* | 75 (64)* | 82 | 4,5 | 16 |
| Ø 100 | 25 | 8 | 128 (124)* | 5 | 68 (66,5)* | 83,5 (76,5)* | 103 | 6 | 20 |

| Ø [mm] | EE | KF | LA | LB | PL | RT | SW | WH |
|--------|--------|-----|------|----|------------|-----|----|-------------|
| Ø 12 | M5 | M3 | 16 | 4 | 6,5 (8)* | M4 | 5 | 7,5 (4,5)* |
| Ø 16 | M5 | M4 | 16 | 4 | 6,5 (8)* | M4 | 7 | 8,5 (4,5)* |
| Ø 20 | M5 | M5 | 18,5 | 4 | 8 | M5 | 9 | 7 (4,5)* |
| Ø 25 | M5 | M5 | 18,5 | 4 | 8 | M5 | 9 | 7 (5,5)* |
| Ø 32 | G 1/8" | M6 | 21,5 | 4 | 6,5 (8)* | M6 | 10 | 7 (6)* |
| Ø 40 | G 1/8" | M6 | 21,5 | 4 | 7,5 (8)* | M6 | 10 | 8,5 (6,5)* |
| Ø 50 | G 1/8" | M8 | 23,5 | 4 | 7,5 (8)* | M8 | 13 | 10 (7,5)* |
| Ø 63 | G 1/8" | M8 | 28,5 | 4 | 7,5 (8)* | M10 | 13 | 10,5 (7,5)* |
| Ø 80 | G 1/8" | M10 | 28,5 | 4 | 9,5 (8,5)* | M10 | 17 | 13 (8)* |
| Ø 100 | G 1/4" | M12 | 28,5 | 4 | 10,5 | M10 | 22 | 15,5 (10)* |

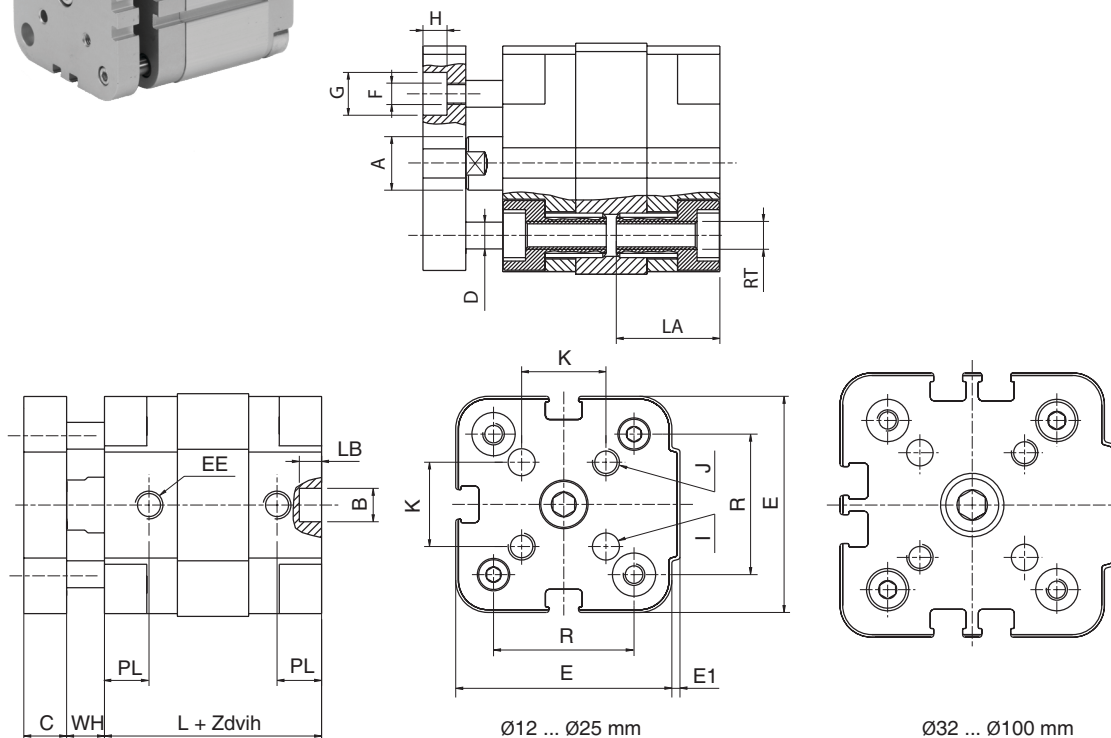
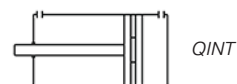
* V prípade valcov QENK, QENH, QEFK, QEFH, QENVK, QENVH, QEFVK, QEFVH, QINK, QINV, QIFK, QIFV, QBNK, QBNV, QBFK, QBFV, QINTK, QINTV



| Ø [mm] | A | B | E | E1 | L | N | R | T | AM |
|--------|----|---|------------|-----|------------|--------------|-----|-----|----|
| Ø 12 | 6 | 6 | 29 | 1 | 35 (38)* | 42,5 | 18 | 1,5 | 16 |
| Ø 16 | 8 | 6 | 29 | 1 | 35 (38)* | 43,5 | 18 | 2 | 20 |
| Ø 20 | 10 | 6 | 36 | 1,5 | 39 (38)* | 46 (42,5)* | 22 | 2 | 22 |
| Ø 25 | 10 | 6 | 40 | 1,5 | 39 (39,5)* | 46 (45)* | 26 | 2 | 22 |
| Ø 32 | 12 | 6 | 50 | 2 | 42(44,5)* | 49 (50,5)* | 32 | 2,8 | 22 |
| Ø 40 | 12 | 6 | 60 (58*) | 2,5 | 45,5 | 54 (52)* | 42 | 2,8 | 22 |
| Ø 50 | 16 | 6 | 68 (67)* | 3 | 45,5 | 55,5 (53)* | 50 | 3,5 | 24 |
| Ø 63 | 16 | 8 | 87 (80)* | 4 | 51 (50)* | 61,5 (57,5)* | 62 | 3,5 | 24 |
| Ø 80 | 20 | 8 | 107 (100)* | 4 | 62 (56)* | 75 (64)* | 82 | 4,5 | 32 |
| Ø 100 | 25 | 8 | 128 (124)* | 5 | 68 (66,5)* | 83,5 (76,5)* | 103 | 6 | 40 |

| Ø [mm] | EE | KK | LA | LB | PL | RT | SW | WH |
|--------|--------|----------|------|----|------------|-----|----|-------------|
| Ø 12 | M5 | M6 | 16 | 4 | 6,5 (8)* | M4 | 5 | 7,5 (4,5)* |
| Ø 16 | M5 | M8 | 16 | 4 | 6,5 (8)* | M4 | 7 | 8,5 (4,5)* |
| Ø 20 | M5 | M10x1,25 | 18,5 | 4 | 8 | M5 | 9 | 7 (4,5)* |
| Ø 25 | M5 | M10x1,25 | 18,5 | 4 | 8 | M5 | 9 | 7 (5,5)* |
| Ø 32 | G 1/8" | M10x1,25 | 21,5 | 4 | 6,5 (8)* | M6 | 10 | 7 (6)* |
| Ø 40 | G 1/8" | M10x1,25 | 21,5 | 4 | 7,5 (8)* | M6 | 10 | 8,5 (6,5)* |
| Ø 50 | G 1/8" | M12x1,25 | 23,5 | 4 | 7,5 (8)* | M8 | 13 | 10 (7,5)* |
| Ø 63 | G 1/8" | M12x1,25 | 28,5 | 4 | 7,5 (8)* | M10 | 13 | 10,5 (7,5)* |
| Ø 80 | G 1/8" | M16x1,5 | 28,5 | 4 | 9,5 (8,5)* | M10 | 17 | 13 (8)* |
| Ø 100 | G 1/4" | M20x1,5 | 28,5 | 4 | 10,5 | M10 | 22 | 15,5 (10)* |

* V prípade valcov QENK, QENH, QEFK, QEFH, QENVK, QENVH, QEFVK, QEFVH, QINK, QINV, QIFK, QIFV, QBNK, QBNV, QBFK, QBFV, QINTK, QINTV

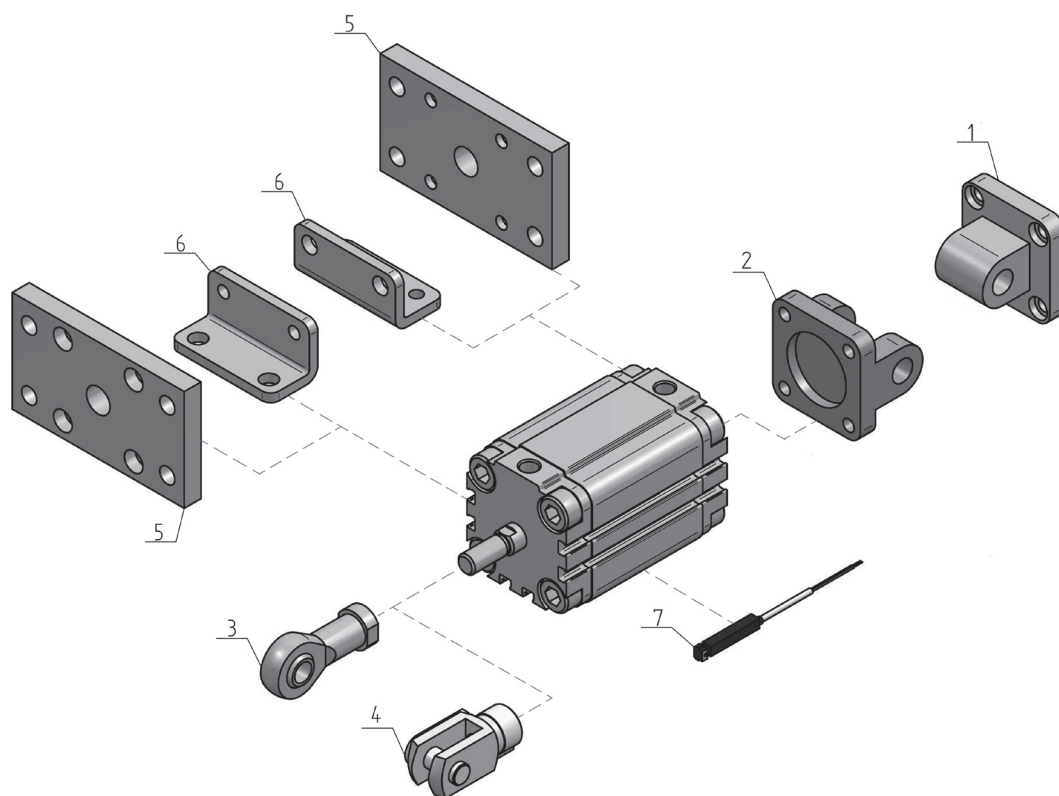


| Ø [mm] | A | B | C | D | E | E1 | F | G | H | I |
|--------|----|---|--------|----------|-----|-----|----|----|------------|----|
| Ø 12 | 6 | 6 | 5 | 4 | 29 | 1 | M3 | 6 | 3,5 | 3 |
| Ø 16 | 8 | 6 | 5 (6)* | 4 (5)* | 29 | 1 | M3 | 6 | 3,5 (3,8)* | 3 |
| Ø 20 | 10 | 6 | 8 (5)* | 6 (5)* | 36 | 1,5 | M3 | 6 | 3,5 (5)* | 4 |
| Ø 25 | 10 | 6 | 8 | 6 | 40 | 1,5 | M4 | 8 | 4,5 (5)* | 5 |
| Ø 32 | 12 | 6 | 10 | 6 (8)* | 50 | 2 | M4 | 8 | 5,5 (6,5)* | 5 |
| Ø 40 | 12 | 6 | 10 | 6 (10)* | 60 | 2,5 | M4 | 8 | 5,5 (6,5)* | 5 |
| Ø 50 | 16 | 6 | 12 | 8 (10)* | 68 | 3 | M6 | 11 | 7 (7,5)* | 6 |
| Ø 63 | 16 | 8 | 12 | 8 (10)* | 87 | 4 | M6 | 11 | 7 (7,5)* | 6 |
| Ø 80 | 20 | 8 | 14 | 12 (14)* | 107 | 4 | M8 | 14 | 9 | 8 |
| Ø 100 | 25 | 8 | 14 | 12 (14)* | 128 | 5 | M8 | 14 | 9 (10)* | 10 |

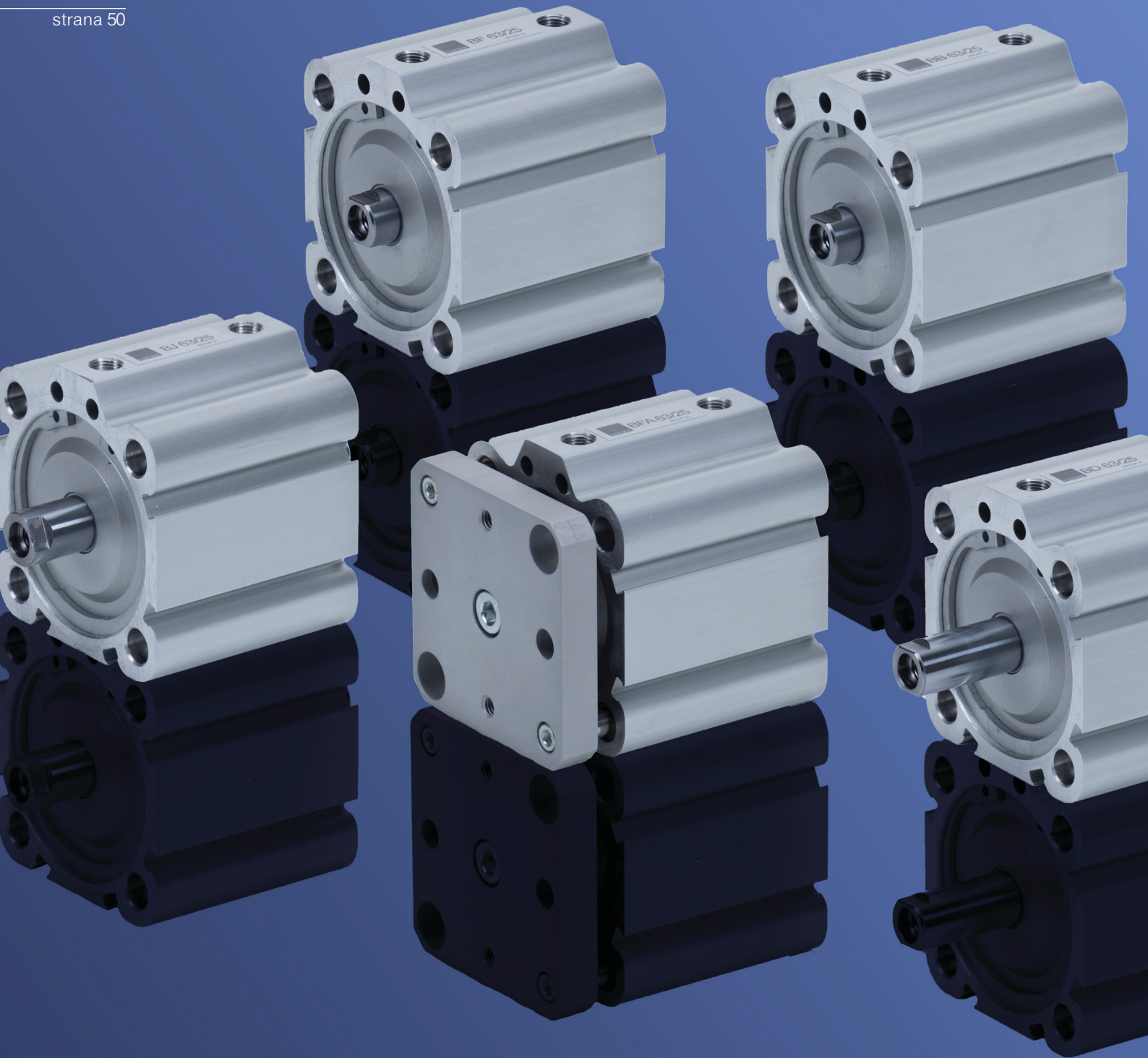
| Ø [mm] | J | K | L | R | EE | LA | LB | PL | RT | WH |
|--------|-----|------|------------|-----|--------|------|----|------------|-----|-------------|
| Ø 12 | M3 | 9,9 | 35 | 18 | M5 | 16 | 4 | 6,5 | M4 | 7,5 |
| Ø 16 | M3 | 9,9 | 35 (38)* | 18 | M5 | 16 | 4 | 6,5 (8)* | M4 | 8,5 (4,5)* |
| Ø 20 | M4 | 12 | 39 (38)* | 22 | M5 | 18,5 | 4 | 8 | M5 | 7 (4,5)* |
| Ø 25 | M5 | 15,6 | 39 (39,5)* | 26 | M5 | 18,5 | 4 | 8 | M5 | 7 (5,5)* |
| Ø 32 | M5 | 19,8 | 42 (44,5)* | 32 | G 1/8" | 21,5 | 4 | 6,5 (8)* | M6 | 7 (6)* |
| Ø 40 | M5 | 23,3 | 45,5 | 42 | G 1/8" | 21,5 | 4 | 7,5 (8)* | M6 | 8,7 (6,5)* |
| Ø 50 | M6 | 29,7 | 45,5 | 50 | G 1/8" | 23,5 | 4 | 7,5 (8)* | M8 | 10,2 (7,5)* |
| Ø 63 | M6 | 35,4 | 51 (50)* | 62 | G 1/8" | 28,5 | 4 | 7,5 (8)* | M10 | 10,5 (7,5)* |
| Ø 80 | M8 | 46 | 62 (56)* | 82 | G 1/8" | 28,5 | 4 | 9,5 (8,5)* | M10 | 12 (8)* |
| Ø 100 | M10 | 56,5 | 68 (66,5)* | 103 | G 1/4" | 28,5 | 4 | 10,5 | M10 | 15,5 (10)* |

Valce QINTV a QINTK sú dostupné len od priemeru 16 mm

* V prípade valcov QENK, QENH, QEFK, QEFH, QENVK, QENVH, QEFVK, QEFVH, QINK, QINV, QIFK, QIFV, QBNK, QBNV, QBFK, QBFV, QINTK, QINTV



| Označenie | Typ | Pomenovanie | Strana |
|-----------|---------|--|--------|
| 1 | QCM | Príruba s okom - UNITOP rozmery upevnenia | 149 |
| 2 | QCF | Vidlicová príruba - UNITOP rozmery upevnenia | 148 |
| 3 | UK | Kĺbová hlavica | 135 |
| 3 | UKF | Kĺbová hlavica | 133 |
| 4 | UV | Vidlicová koncovka s upevňovacím čapom | 134 |
| 5 | QFL | Príruba - UNITOP rozmery upevnenia | 147 |
| 6 | QCP | Pätkové upevnenie - UNITOP rozmery upevnenia | 148 |
| 7 | SKR/SKH | Snímač | 149 |

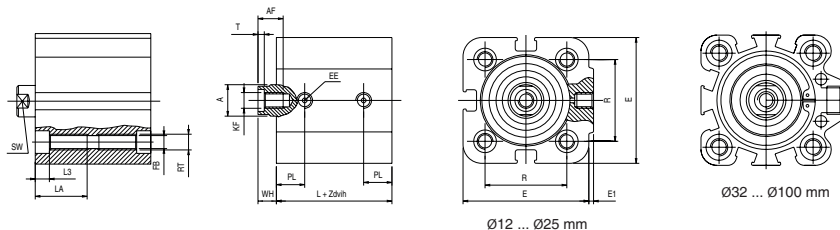
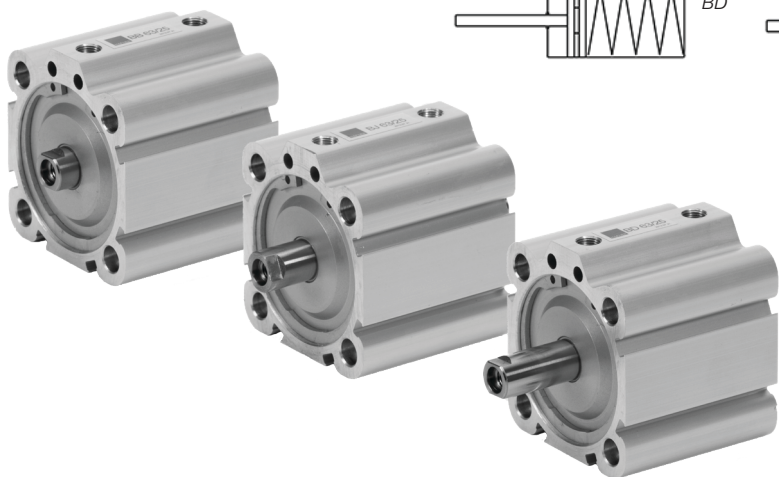


Krátkozdvihové kompaktné valce

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø12 - Ø16 - Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 mm |
| Štandardný zdvih | 5 - 10 - 15 - 20 - 25 - 30 - 40 - 50 - 75 - 80 - 100 mm (v závislosti od priemeru) |
| | Jednočinný |
| | Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | Ø12 ... Ø25 nehrdzavejúca oceľ / Ø32 ... Ø100 tvrdo chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| | | | | | | |
|----------|----------|----------|----------------|--|--------------|--|
| B | F | V | 20 | / | 80 | Ex |
| | | | PRÍEMER | | ZDVIH | MOŽNOSTI |
| | | | 12 | | 5 | Ex S certifikátom ATEX (dostupný výlučne so štandardným tesnením) |
| | | | 16 | | 10 | |
| | | | 20 | | 15 | |
| | | | 25 | | 20 | |
| | | | 32 | | 25 | |
| | | | 40 | | 30 | |
| | | | 50 | | 40 | |
| | | | 63 | | 50 | |
| | | | 80 | | 75 | |
| | | | 100 | | 80 | |
| | | | | | 100 | |
| | | | VERZIE | | | |
| | | | PRÁZDNE | Štandardné tesnenie | | |
| | | | K | FPM tesnenie stierača (v prípade valcov BF, BJ, od Ø16 mm) | | |
| | | | V | FPM tesnenie (v prípade valcov BB, BD, BF, BJ od Ø16 mm) | | |
| | | | VERZIE | | | |
| | | | B | Jednočinný valec | | |
| | | | D | Jednočinný valec, vysunutá piestnica | | |
| | | | F | Dvojčinný valec | | |
| | | | J | Dvojčinný valec, priebežná piestnica | | |
| | | | FA | S vedením zaistené proti pootočeniu | | |

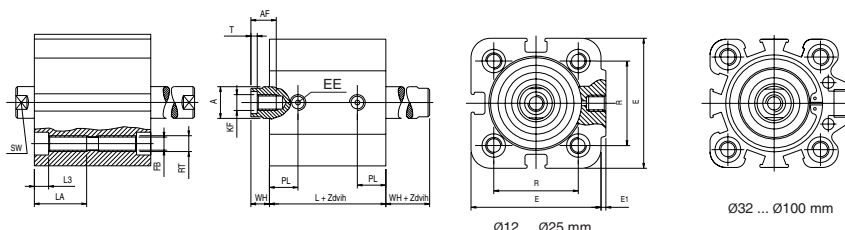
BB/BF/BJ/BD



Ø12 ... Ø25 mm

Ø32 ... Ø100 mm

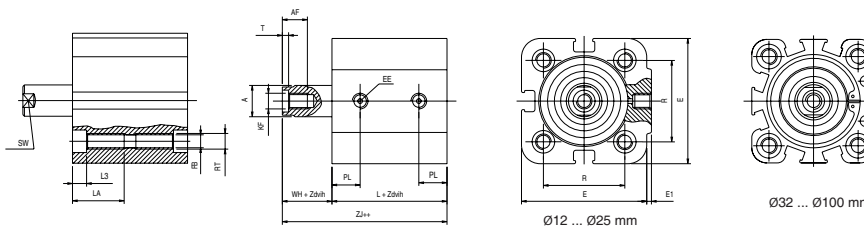
BB/BF



Ø12 ... Ø25 mm

Ø32 ... Ø100 mm

BJ

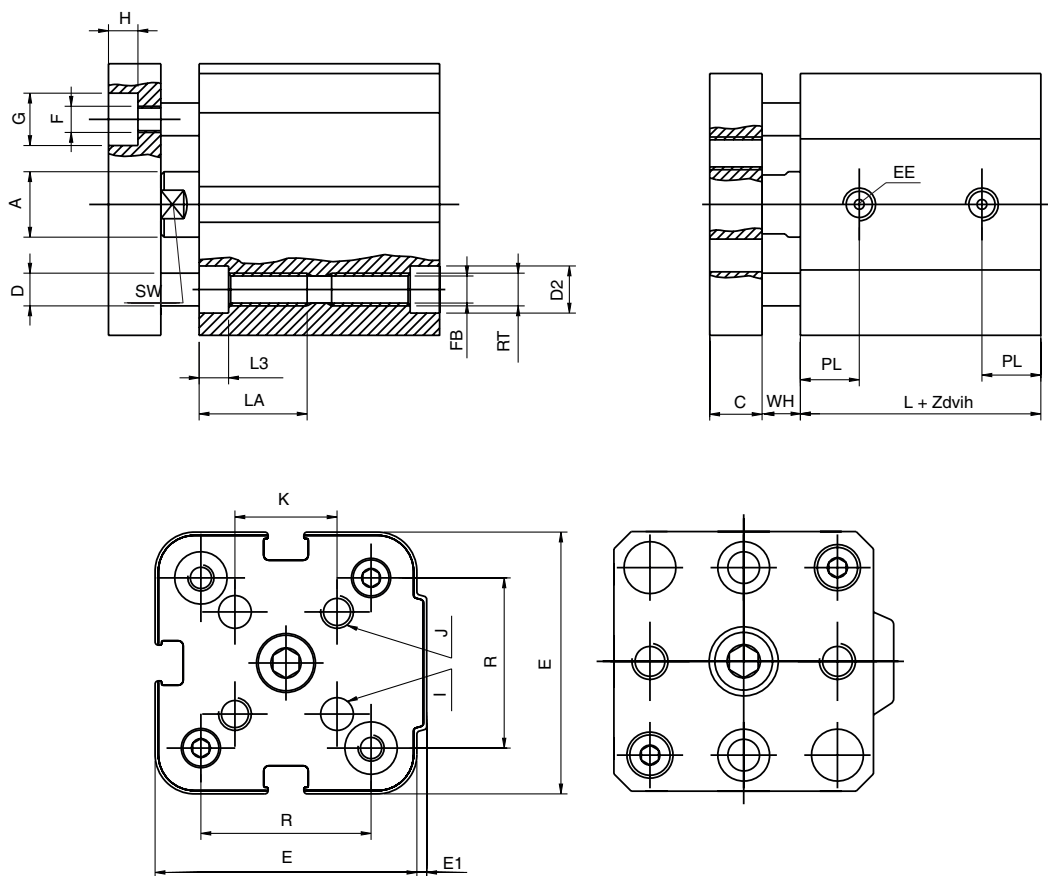
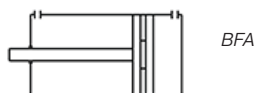


Ø12 ... Ø25 mm

Ø32 ... Ø100 mm

BD

| Ø [mm] | A | E | E1 | FB | L | L3 | R | T | AF | EE | KF | LA | PL | RT | SW | WH |
|--------|----|------|-----|-----|------|-----|------|-----|----|--------|------|------|------|------|----|-----|
| Ø 12 | 6 | 29 | 1 | 3,3 | 34 | 3,5 | 18 | 1,5 | 6 | M 5 | M 3 | 12,5 | 7,5 | M 4 | 5 | 6 |
| Ø 16 | 8 | 29 | 1 | 3,3 | 36,5 | 3,5 | 18 | 2 | 8 | M 5 | M 4 | 14,5 | 8,5 | M 4 | 7 | 6 |
| Ø 20 | 10 | 36 | 1,5 | 4,2 | 37,5 | 4,5 | 22 | 2 | 8 | M 5 | M 5 | 16,5 | 9 | M 5 | 9 | 6 |
| Ø 25 | 10 | 40 | 1,5 | 4,2 | 37,5 | 4,5 | 26 | 2 | 8 | M 5 | M 5 | 16,5 | 9 | M 5 | 9 | 6 |
| Ø 32 | 12 | 45 | 3,5 | 5 | 39 | 5,7 | 32,5 | 2,8 | 10 | G 1/8" | M 6 | 21,7 | 10 | M 6 | 10 | 7 |
| Ø 40 | 12 | 52 | 5 | 5 | 45,7 | 5,7 | 38 | 2,8 | 10 | G 1/8" | M 6 | 21,7 | 11 | M 6 | 10 | 7,2 |
| Ø 50 | 16 | 63,5 | 7 | 6,8 | 47,5 | 6,8 | 46,5 | 3,5 | 12 | G 1/8" | M 8 | 22,8 | 11 | M 8 | 13 | 8,5 |
| Ø 63 | 16 | 77 | 7 | 6,8 | 54 | 6,8 | 56,5 | 3,5 | 12 | G 1/8" | M 8 | 22,8 | 11,5 | M 8 | 13 | 8 |
| Ø 80 | 20 | 92 | 10 | 8,5 | 65 | 9 | 72 | 4,5 | 16 | G 1/8" | M 10 | 25 | 14 | M 10 | 17 | 11 |
| Ø 100 | 25 | 113 | 13 | 8,5 | 77 | 9 | 89 | 6 | 20 | G 1/4" | M 12 | 25 | 17,5 | M 10 | 22 | 12 |



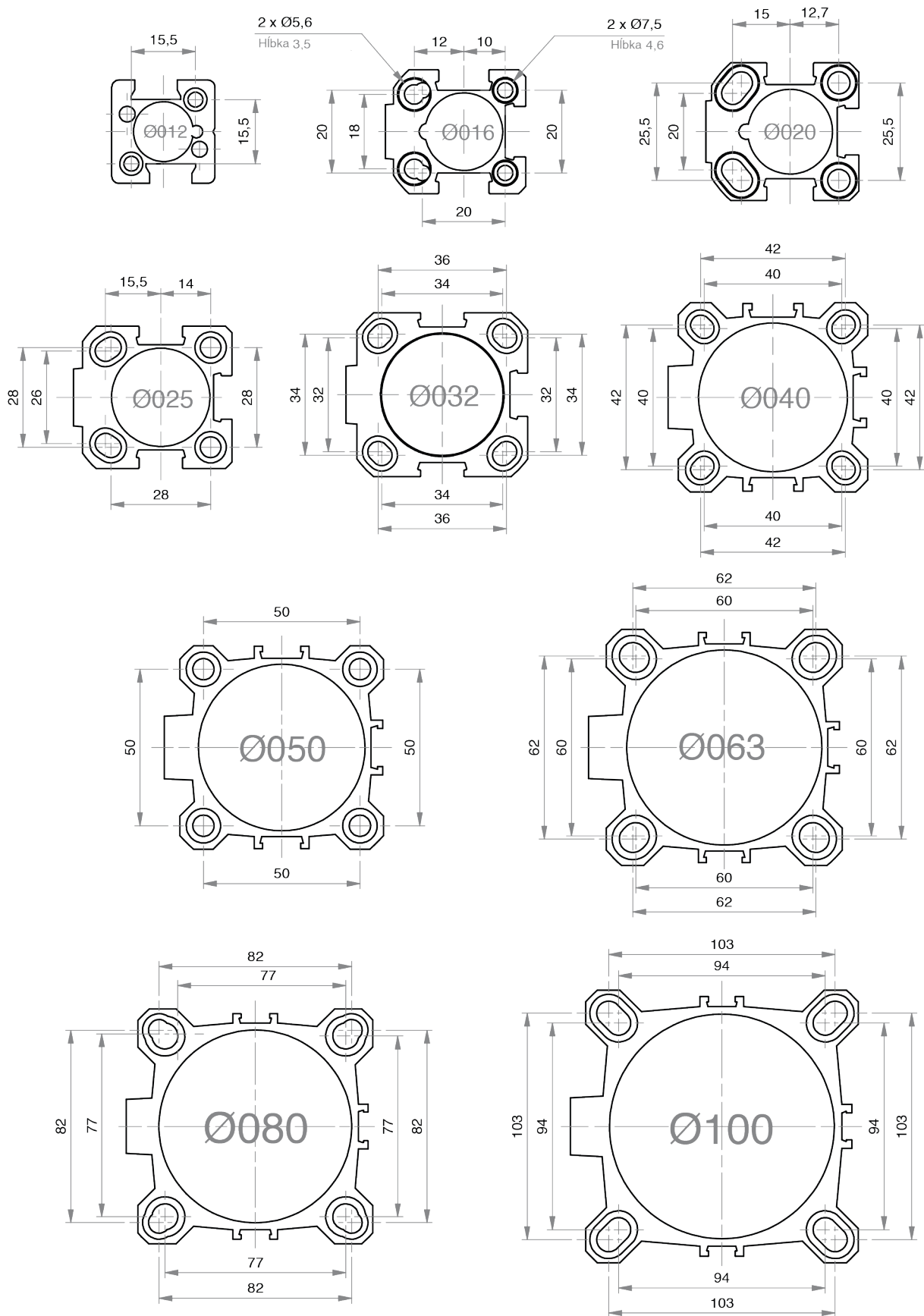
| Ø [mm] | A | C | D | D2 | E | E1 | F | FB | G | H | I | J | K | L | L3 | R | EE | LA | PL | RT | SW | WH |
|--------|----|----|----|-----|------|-----|-----|-----|----|-----|----|----|------|------|-----|------|--------|------|------|-----|----|-----|
| Ø 12 | 6 | 5 | 4 | 5,5 | 29 | 1 | M3 | 3,5 | 6 | 3,5 | 3 | M3 | 9,9 | 28 | 3,5 | 18 | M5 | 12,5 | 7,5 | M4 | 5 | 6 |
| Ø 16 | 8 | 5 | 4 | 5,5 | 29 | 1 | M3 | 3,5 | 6 | 3,5 | 3 | M3 | 9,9 | 30,5 | 3,5 | 18 | M5 | 14,5 | 8,5 | M4 | 7 | 6 |
| Ø 20 | 10 | 8 | 6 | 7 | 36 | 1,5 | M3 | 4,2 | 6 | 3,5 | 4 | M4 | 12 | 31,5 | 4,5 | 22 | M5 | 16,5 | 9 | M5 | 9 | 6 |
| Ø 25 | 10 | 8 | 6 | 7 | 40 | 1,5 | M4 | 4,2 | 8 | 4,5 | 5 | M5 | 15,6 | 31,5 | 4,5 | 26 | M5 | 16,5 | 9 | M5 | 9 | 6 |
| Ø 32 | 12 | 10 | 6 | 8,5 | 45 | 3,5 | 4,5 | 5 | 8 | 4,5 | 9 | M5 | - | 32 | 5,7 | 32,5 | G 1/8" | 21,7 | 10 | M6 | 10 | 7 |
| Ø 40 | 12 | 10 | 6 | 8,5 | 52 | 5 | 4,5 | 5 | 8 | 4,5 | 9 | M5 | - | 38,5 | 5,7 | 38 | G 1/8" | 21,7 | 11 | M6 | 10 | 7,2 |
| Ø 50 | 16 | 12 | 8 | 10 | 63,5 | 7 | 5,5 | 6,8 | 9 | 5,5 | 10 | M6 | - | 39 | 6,8 | 46,5 | G 1/8" | 22,8 | 11 | M8 | 13 | 8,5 |
| Ø 63 | 16 | 12 | 8 | 10 | 77 | 7 | 5,5 | 6,8 | 9 | 5,5 | 14 | M6 | - | 46 | 6,8 | 56,5 | G 1/8" | 22,8 | 11,5 | M8 | 13 | 8 |
| Ø 80 | 20 | 14 | 12 | 13 | 92 | 10 | 8,5 | 8,5 | 14 | 9 | 14 | M8 | - | 54 | 9 | 72 | G 1/8" | 25 | 14 | M10 | 17 | 11 |
| Ø 100 | 25 | 14 | 12 | 13 | 113 | 13 | 8,5 | 8,5 | 14 | 9 | 17 | M8 | - | 65 | 9 | 89 | G 1/4" | 25 | 17,5 | M10 | 22 | 12 |

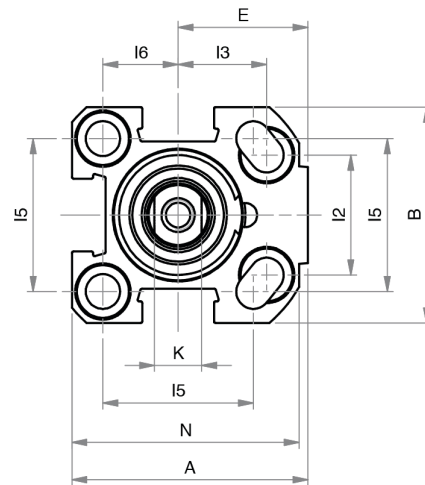
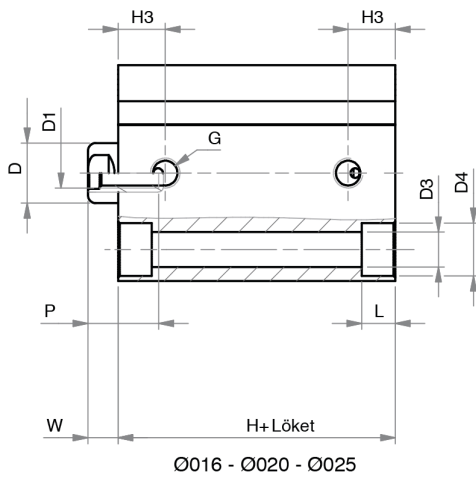
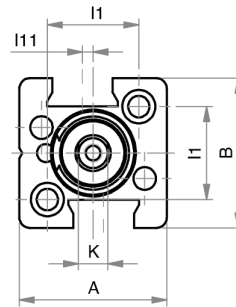
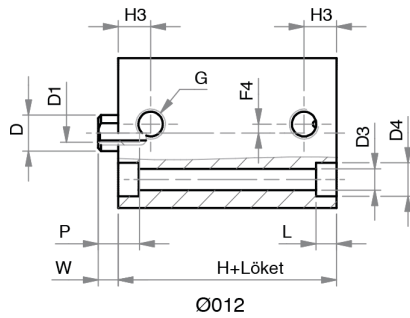
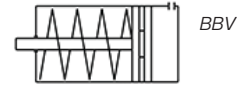
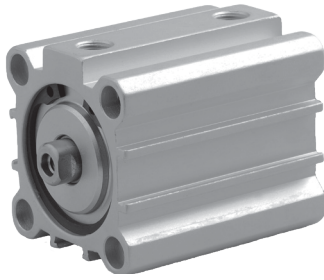
Krátkozdvihové kompaktné valce odolné voči vysokým teplotám

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø12 - Ø16 - Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 mm |
| Štandardný zdvih | 5 - 10 - 15 - 25 - 30 - 40 - 50 - 60 - 80 - 100 - 125 - 160 - 200 - 250 mm |
| | Jednočinný Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | Jednočinný: 2 ... 10 bar Dvojčinný: 1 ... 10 bar |
| Teplota okolia | 0°C ... +150°C |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |

| Použitý materiál | |
|------------------|---|
| Teleso valca | eloxovaný hliník |
| Kryt | Ø12 ... Ø25 mosadz/ Ø32 ... Ø100 eloxovaný hliník |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ AISI 303 |
| Vodiace puzdro | oceľ + PTFE |
| Tesnenia | polyuretán |

Krátkozdvihové kompaktné valce odolné voči vysokým teplotám





| Ø [mm] | A | B | D | D1 | D3 | D4 | E | G | H+ | H3 | I1 |
|--------|------|----|----|----|-----|-----|------|------|-------|------|------|
| Ø12 | 25 | 25 | 6 | M3 | 3,7 | 5,6 | - | M5 | 27 | 5,5 | 15,5 |
| Ø16 | 34 | 30 | 8 | M4 | ** | ** | 19 | M5 | 32* | 8 | - |
| Ø20 | 40 | 36 | 10 | M5 | 5,8 | 9 | 22 | M5 | 32* | 8 | - |
| Ø25 | 44,5 | 40 | 10 | M5 | 5,8 | 9 | 24,5 | G1/8 | 38,5* | 10,5 | - |

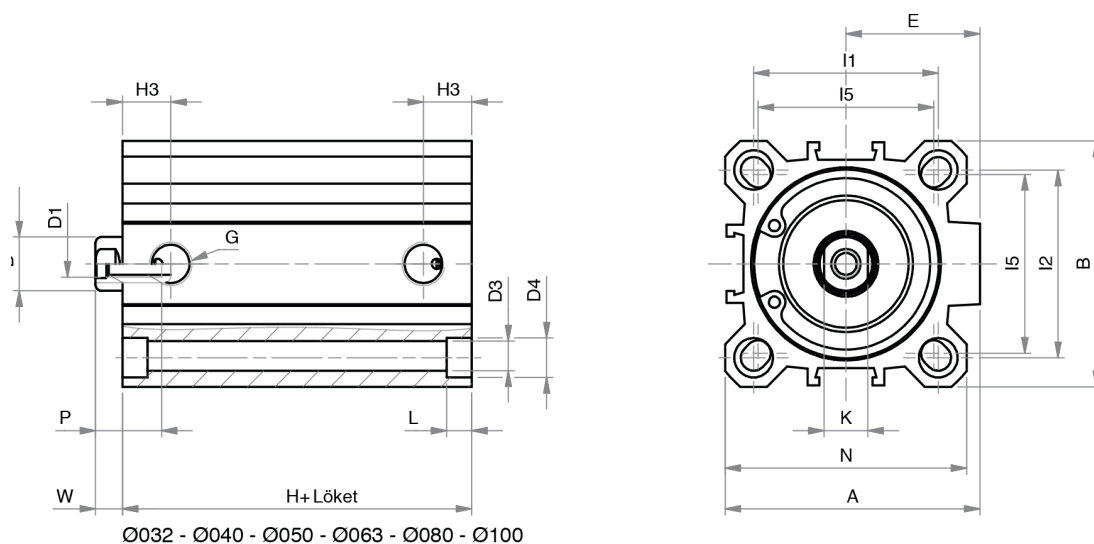
| Ø [mm] | I2 | I3 | I5 | I6 | K | L | L1 | N | P | W |
|--------|----|------|------|------|---|-----|-----|------|----|-----|
| Ø12 | - | - | - | - | 5 | 3,5 | - | - | 7 | 3,5 |
| Ø16 | 18 | 12 | 20 | 10 | 6 | 4,6 | 3,5 | 32 | 11 | 4,5 |
| Ø20 | 20 | 15 | 25,5 | 12,7 | 8 | 5,7 | 5,7 | 38,5 | 12 | 4,5 |
| Ø25 | 26 | 15,5 | 28 | 14 | 8 | 5,7 | 5,7 | 42 | 12 | 5,5 |

* V prípade 25 mm zdvihu: +6 mm pre Ø16-Ø20 | +1 mm pre Ø25

* V prípade 40-50 mm zdvihu: +10 mm pre Ø32-Ø40-Ø50-Ø63-Ø80-Ø100

** Vid' na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



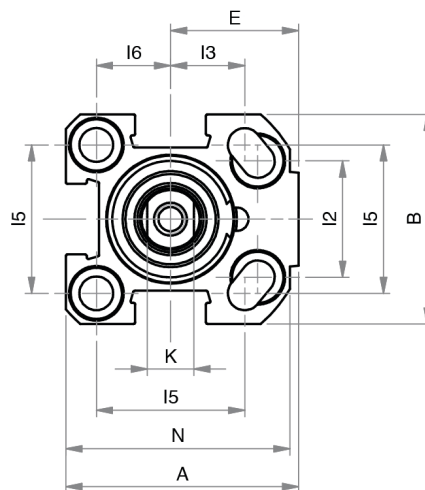
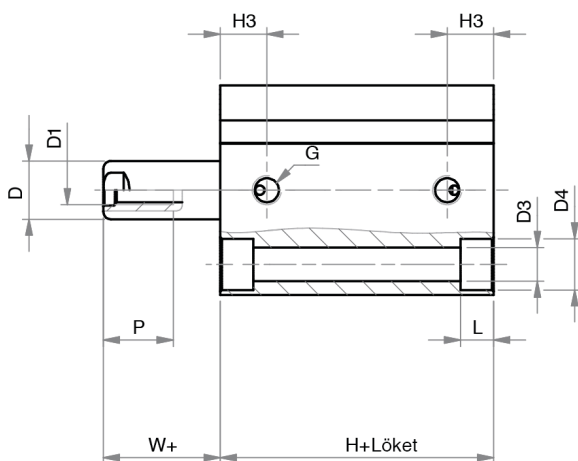
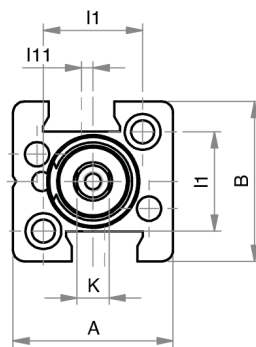
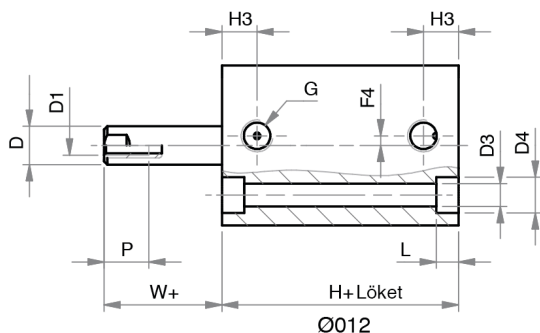
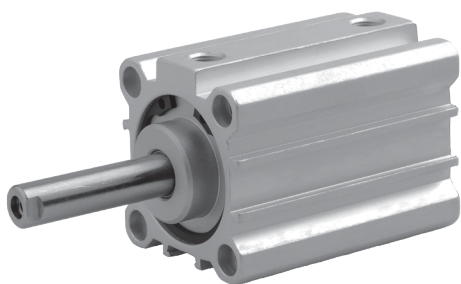
| Ø [mm] | A | B | D | D1 | D3 | D4 | E | G | H+ |
|--------|-----|-----|----|-----|-----|------|------|------|-------|
| Ø32 | 51 | 46 | 12 | M6 | 5,8 | 9 | 27 | G1/8 | 39,5* |
| Ø40 | 58 | 55 | 12 | M6 | 5,8 | 9 | 30,5 | G1/8 | 39,5* |
| Ø50 | 70 | 65 | 16 | M8 | 6,8 | 11 | 37,5 | G1/8 | 39,5* |
| Ø63 | 89 | 80 | 16 | M8 | 9 | 14 | 46 | G1/8 | 42* |
| Ø80 | 105 | 100 | 20 | M10 | 9 | 14 | 55 | G1/4 | 46* |
| Ø100 | 131 | 124 | 25 | M12 | 11 | 17,2 | 69 | G1/4 | 56* |

| Ø [mm] | H3 | I1 | I2 | I5 | K | L | N | P | W |
|--------|------|-----|-----|----|----|-----|-----|----|-----|
| Ø32 | 11,5 | 36 | 32 | 34 | 10 | 5,7 | 48 | 15 | 5,5 |
| Ø40 | 11 | 42 | 42 | 40 | 10 | 5,7 | 55 | 15 | 6,5 |
| Ø50 | 11,5 | 50 | 50 | 50 | 13 | 6,8 | 65 | 17 | 7,5 |
| Ø63 | 11 | 62 | 62 | 60 | 13 | 8,8 | 80 | 17 | 6,5 |
| Ø80 | 14 | 82 | 82 | 77 | 17 | 9 | 100 | 17 | 8 |
| Ø100 | 16 | 103 | 103 | 94 | 22 | 11 | 124 | 22 | 10 |

* V prípade 25 mm zdvihu: +6 mm pre Ø16-Ø20 | +1 mm pre Ø25
 * V prípade 40-50 mm zdvihu: +10 mm pre Ø32-Ø40-Ø50-Ø63-Ø80-Ø100

** Vid' na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



| Ø [mm] | A | B | D | D1 | D3 | D4 | E | G | H+ | H3 | I1 |
|--------|------|----|----|----|-----|-----|------|------|-------|------|------|
| Ø12 | 25 | 25 | 6 | M3 | 3,7 | 5,6 | - | M5 | *** | 5,5 | 15,5 |
| Ø16 | 34 | 30 | 8 | M4 | ** | ** | 19 | M5 | 32* | 8 | - |
| Ø20 | 40 | 36 | 10 | M5 | 5,8 | 9 | 22 | M5 | 32* | 8 | - |
| Ø25 | 44,5 | 40 | 10 | M5 | 5,8 | 9 | 24,5 | G1/8 | 38,5* | 10,5 | - |

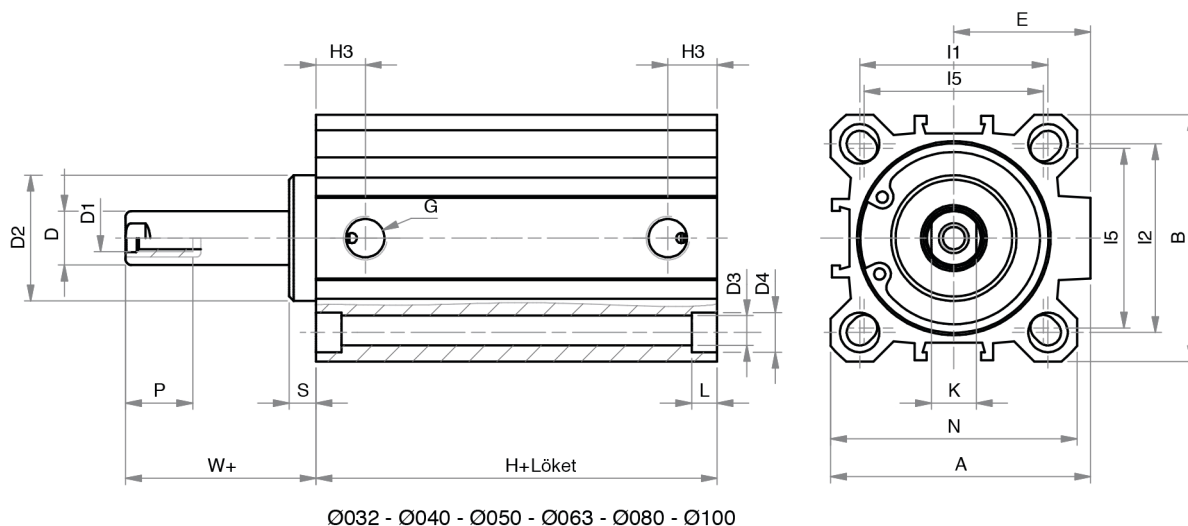
| Ø [mm] | I2 | I3 | I5 | I6 | K | L | L1 | N | P | W |
|--------|----|------|------|------|---|-----|-----|------|----|-----|
| Ø12 | - | - | - | - | 5 | 3,5 | - | - | 7 | 3,5 |
| Ø16 | 18 | 12 | 20 | 10 | 6 | 4,6 | 3,5 | 32 | 11 | 4,5 |
| Ø20 | 20 | 15 | 25,5 | 12,7 | 8 | 5,7 | 5,7 | 38,5 | 12 | 4,5 |
| Ø25 | 26 | 15,5 | 28 | 14 | 8 | 5,7 | 5,7 | 42 | 12 | 5,5 |

* V prípade 20-25 mm zdvihu: +11 mm pre Ø20 | +6 mm pre Ø25 | +5 mm pre Ø32

* V prípade 30 mm zdvihu: +10 mm pre Ø32

** Vid' na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



| Ø [mm] | A | B | D | D1 | D2 | D3 | D4 | E | G | H+ |
|--------|----|----|----|----|------|-----|----|------|------|-------|
| Ø32 | 51 | 46 | 12 | M6 | 24,5 | 5,8 | 9 | 27 | G1/8 | 39,5* |
| Ø40 | 58 | 55 | 12 | M6 | 28 | 5,8 | 9 | 30,5 | G1/8 | 39,5* |
| Ø50 | 70 | 65 | 16 | M8 | 34 | 6,8 | 11 | 37,5 | G1/8 | 39,5* |
| Ø63 | 89 | 80 | 16 | M8 | 38,5 | 9 | 14 | 46 | G1/8 | 42* |

| Ø [mm] | H3 | I1 | I2 | I5 | K | L | N | P | S | W |
|--------|------|----|----|----|----|-----|----|----|---|-----|
| Ø32 | 11,5 | 36 | 32 | 34 | 10 | 5,7 | 48 | 15 | 5 | 5,5 |
| Ø40 | 11 | 42 | 42 | 40 | 10 | 5,7 | 55 | 15 | 6 | 6,5 |
| Ø50 | 11,5 | 50 | 50 | 50 | 13 | 6,8 | 65 | 17 | 6 | 7,5 |
| Ø63 | 11 | 62 | 62 | 60 | 13 | 8,8 | 80 | 17 | 8 | 6,5 |

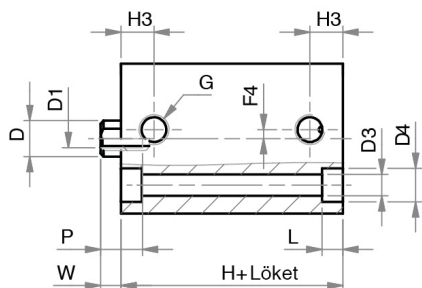
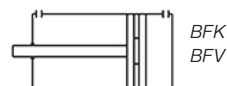
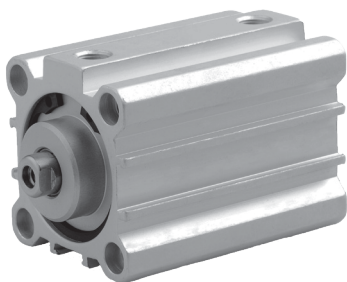
* V prípade 20-25 mm zdvihu: +11 mm pre Ø20 | +6 mm pre Ø25 | +5 mm pre Ø32

* V prípade 30 mm zdvihu: +10 mm pre Ø32

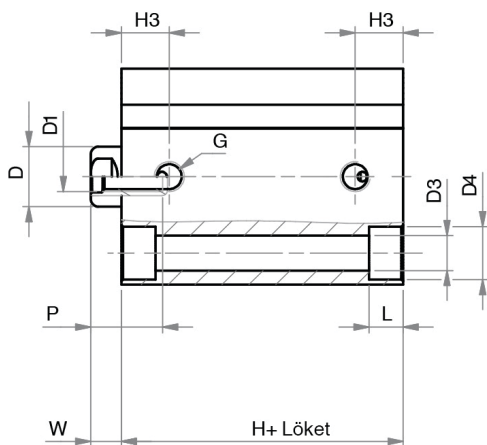
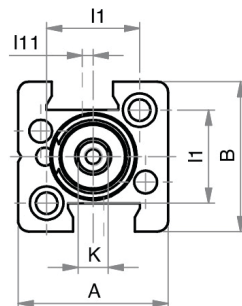
** Vid' na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

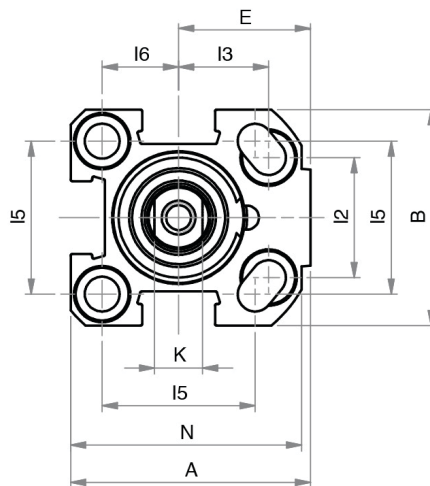
BFK/BFV



Ø12



Ø16 - Ø20 - Ø25



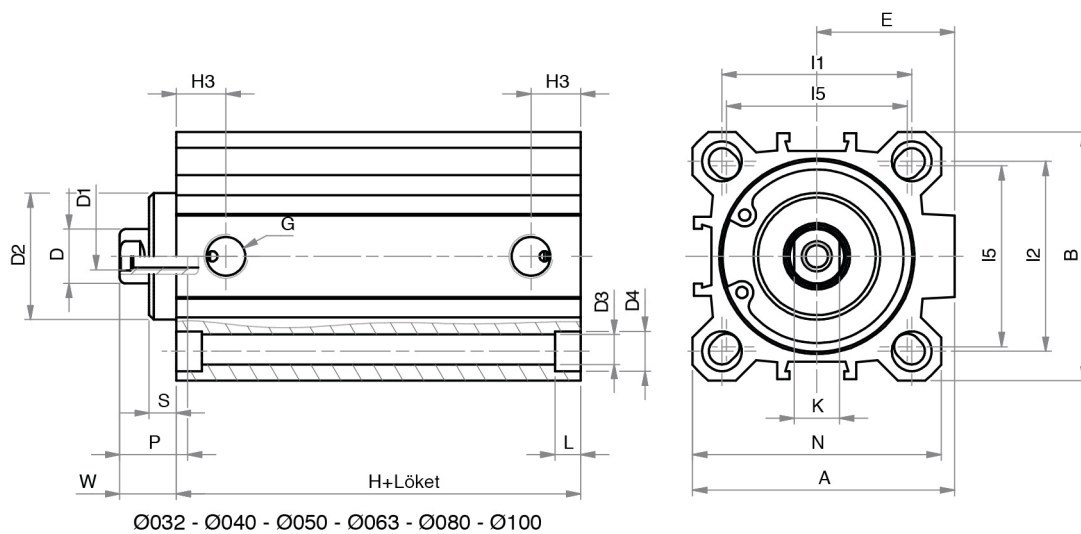
| Ø [mm] | A | B | D | D1 | D3 | D4 | E | G | H+ | H3 | I1 |
|--------|------|----|----|----|-----|-----|------|------|-------|------|------|
| Ø12 | 25 | 25 | 6 | M3 | 3,7 | 5,6 | - | M5 | 27 | 5,5 | 15,5 |
| Ø16 | 34 | 30 | 8 | M4 | ** | ** | 19 | M5 | 32* | 8 | - |
| Ø20 | 40 | 36 | 10 | M5 | 5,8 | 9 | 22 | M5 | 32* | 8 | - |
| Ø25 | 44,5 | 40 | 10 | M5 | 5,8 | 9 | 24,5 | G1/8 | 38,5* | 10,5 | - |

| Ø [mm] | I2 | I3 | I5 | I6 | K | L | L1 | N | P | W |
|--------|----|------|------|------|---|-----|-----|------|----|-----|
| Ø12 | - | - | - | - | 5 | 3,5 | - | - | 7 | 3,5 |
| Ø16 | 18 | 12 | 20 | 10 | 6 | 4,6 | 3,5 | 32 | 11 | 4,5 |
| Ø20 | 20 | 15 | 25,5 | 12,7 | 8 | 5,7 | 5,7 | 38,5 | 12 | 4,5 |
| Ø25 | 26 | 15,5 | 28 | 14 | 8 | 5,7 | 5,7 | 42 | 12 | 5,5 |

* V prípade 25 mm zdvihu: +6 mm pre Ø16-Ø20 | +1 mm pre Ø25

** Vid' na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

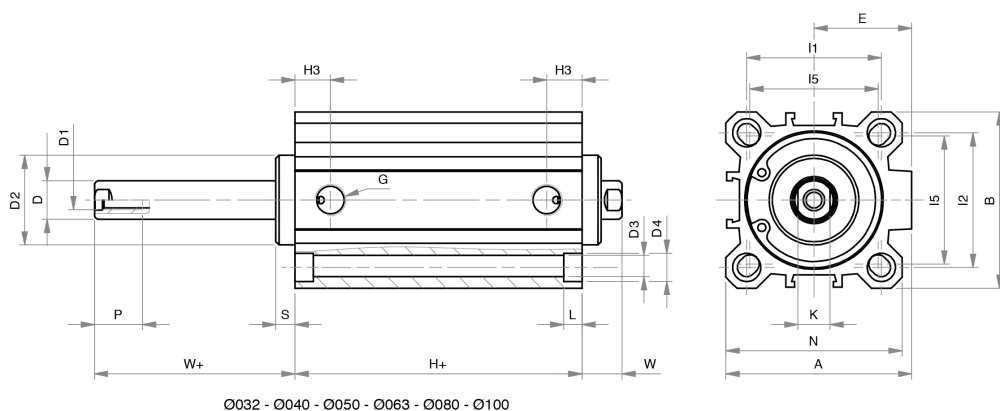
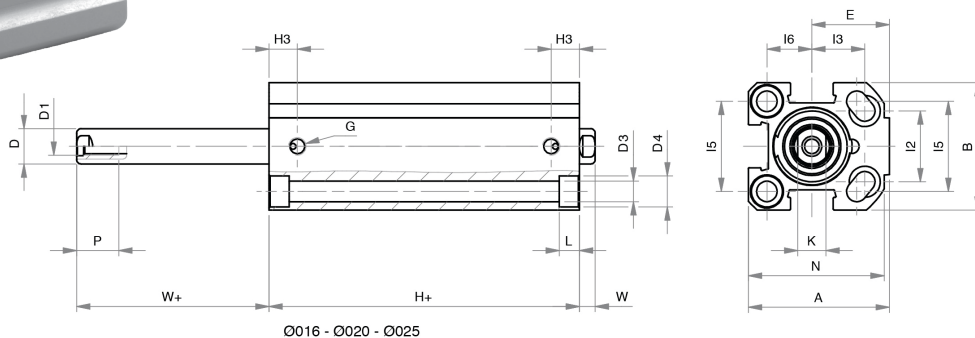
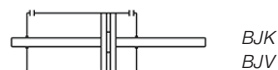
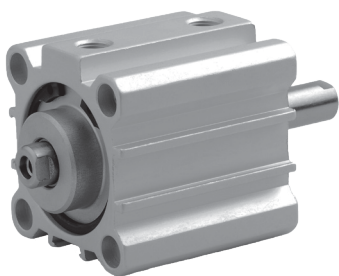


| Ø [mm] | A | B | D | D1 | D2 | D3 | D4 | E | G | H+ | H3 |
|--------|-----|-----|----|-----|------|-----|------|------|------|------|------|
| Ø32 | 51 | 46 | 12 | M6 | 24,5 | 5,8 | 9 | 27 | G1/8 | 39,5 | 11,5 |
| Ø40 | 58 | 55 | 12 | M6 | 28 | 5,8 | 9 | 30,5 | G1/8 | 39,5 | 11 |
| Ø50 | 70 | 65 | 16 | M8 | 34 | 6,8 | 11 | 37,5 | G1/8 | 39,5 | 11,5 |
| Ø63 | 89 | 80 | 16 | M8 | 38,5 | 9 | 14 | 46 | G1/8 | 42 | 11 |
| Ø80 | 105 | 100 | 20 | M10 | 44 | 9 | 14 | 55 | G1/4 | 46 | 14 |
| Ø100 | 131 | 124 | 25 | M12 | 56 | 11 | 17,2 | 69 | G1/4 | 56 | 16 |

| Ø [mm] | I1 | I2 | I5 | K | L | N | P | S | W |
|--------|-----|-----|----|----|-----|-----|----|------|------|
| Ø32 | 36 | 32 | 34 | 10 | 5,7 | 48 | 15 | 5 | 11 |
| Ø40 | 42 | 42 | 40 | 10 | 5,7 | 55 | 15 | 6 | 12,5 |
| Ø50 | 50 | 50 | 50 | 13 | 6,8 | 65 | 17 | 6 | 13,5 |
| Ø63 | 62 | 62 | 60 | 13 | 8,8 | 80 | 17 | 8 | 15 |
| Ø80 | 82 | 82 | 77 | 17 | 9 | 100 | 17 | 10 | 18 |
| Ø100 | 103 | 103 | 94 | 22 | 11 | 124 | 22 | 10,5 | 20,5 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

BJK/BJV



| Ø [mm] | A | B | D | D1 | D2 | D3 | D4 | E | G | H+*** | H3 | I1 |
|--------|------|-----|----|-----|------|-----|------|------|------|-------|------|-----|
| Ø16 | 34 | 30 | 8 | M4 | - | ** | ** | 19 | M5 | 32* | 8 | - |
| Ø20 | 40 | 36 | 10 | M5 | - | 5,8 | 9 | 22 | M5 | 32* | 8 | - |
| Ø25 | 44,5 | 40 | 10 | M5 | - | 5,8 | 9 | 24,5 | G1/8 | 38,5* | 10,5 | - |
| Ø32 | 51 | 46 | 12 | M6 | 24,5 | 5,8 | 9 | 27 | G1/8 | 39,5* | 11,5 | 36 |
| Ø40 | 58 | 55 | 12 | M6 | 28 | 5,8 | 9 | 30,5 | G1/8 | 39,5* | 11 | 42 |
| Ø50 | 70 | 65 | 16 | M8 | 34 | 6,8 | 11 | 37,5 | G1/8 | 39,5* | 11,5 | 50 |
| Ø63 | 89 | 80 | 16 | M8 | 38,5 | 9 | 14 | 46 | G1/8 | 42* | 11 | 62 |
| Ø80 | 105 | 100 | 20 | M10 | 44 | 9 | 14 | 55 | G1/4 | 46* | 14 | 82 |
| Ø100 | 131 | 124 | 25 | M12 | 56 | 11 | 17,2 | 69 | G1/4 | 56* | 16 | 103 |

| Ø [mm] | 12 | 13 | 15 | 16 | K | L | L1 | N | P | S | W | W+ |
|--------|-----|------|------|------|----|-----|-----|------|----|------|------|------|
| Ø16 | 18 | 12 | 20 | 10 | 6 | 4,6 | 3,5 | 32 | 11 | - | 4,5 | 4,5 |
| Ø20 | 20 | 15 | 25,5 | 12,7 | 8 | 5,7 | 5,7 | 38,5 | 12 | - | 4,5 | 4,5 |
| Ø25 | 26 | 15,5 | 28 | 14 | 8 | 5,7 | 5,7 | 42 | 12 | - | 5,5 | 5,5 |
| Ø32 | 32 | - | 34 | - | 10 | 5,7 | - | 48 | 15 | 5 | 11 | 11 |
| Ø40 | 42 | - | 40 | - | 10 | 5,7 | - | 55 | 15 | 6 | 12,5 | 12,5 |
| Ø50 | 50 | - | 50 | - | 13 | 6,8 | - | 65 | 17 | 6 | 13,5 | 13,5 |
| Ø63 | 62 | - | 60 | - | 13 | 8,8 | - | 80 | 17 | 8 | 15 | 15 |
| Ø80 | 82 | - | 77 | - | 17 | 9 | - | 100 | 17 | 10 | 18 | 18 |
| Ø100 | 103 | - | 94 | - | 22 | 11 | - | 124 | 22 | 10,5 | 20,5 | 20,5 |

* V prípade 25 mm zdvihu: +6 mm pre Ø16-Ø20 | +1 mm pre Ø25

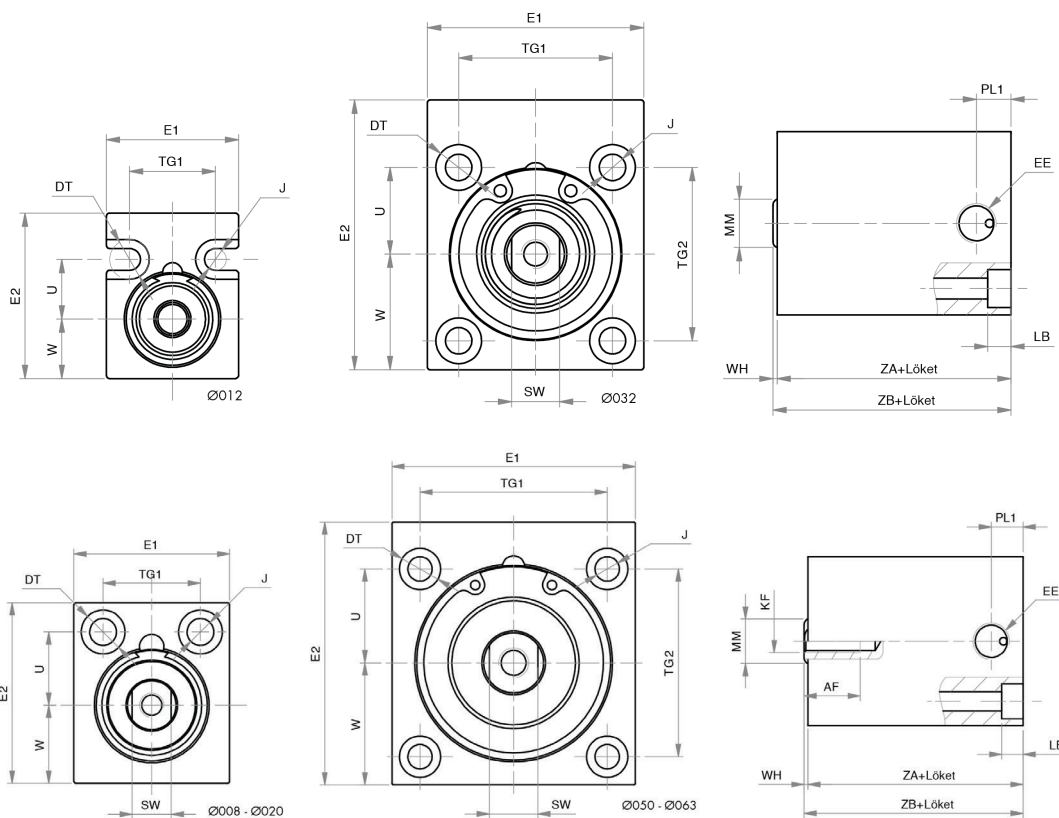
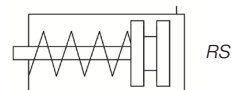
** Viď na strane 55

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

| Všeobecný opis | |
|------------------|---|
| Priemer piestu | Ø8 - Ø12 - Ø20 - Ø32 - Ø50 - Ø63 mm |
| Štandardný zdvih | 4 - 5 - 10 - 15 - 20 - 25 - 30 mm Jednočinný Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | Jednočinný: 2 ... 10 bar Dvojčinný: 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |

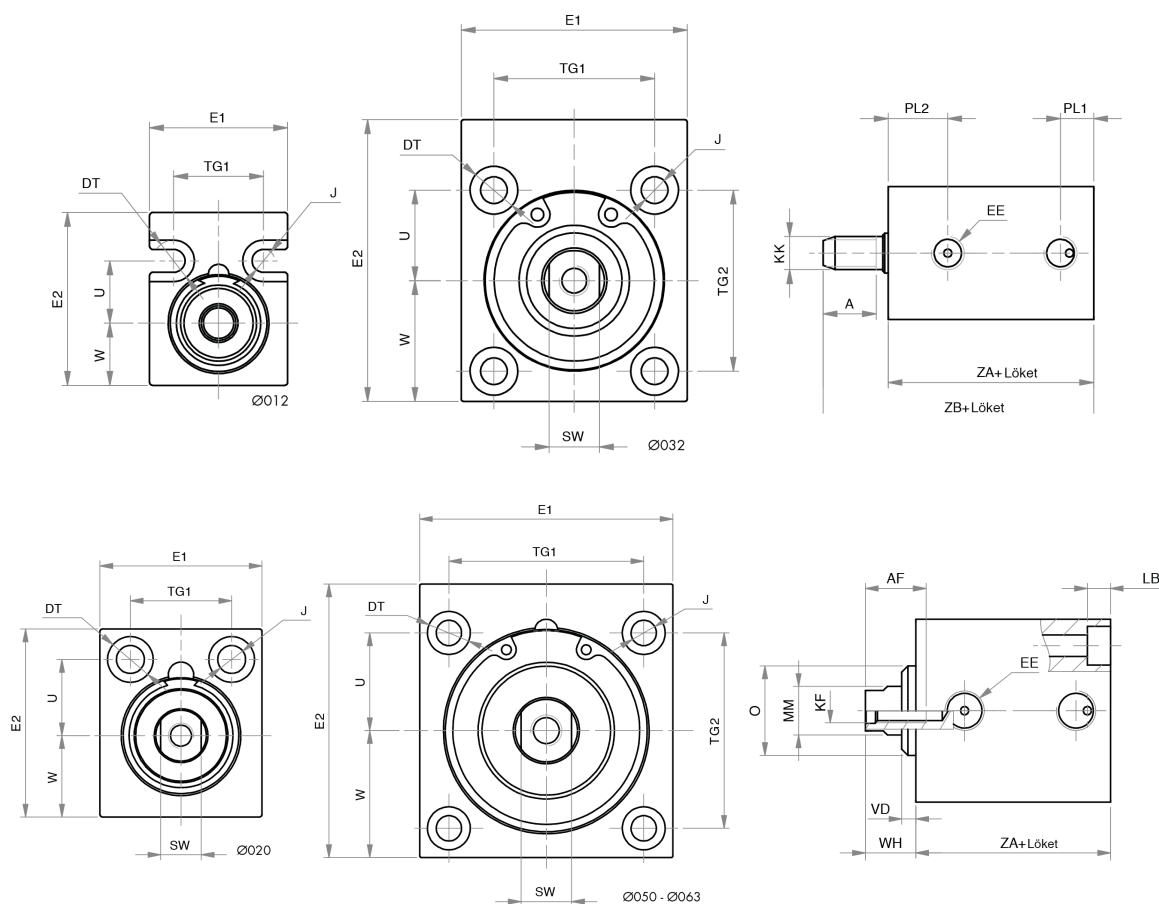
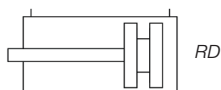
| Použitý materiál | |
|------------------|---|
| Teleso valca | nehodzavejúca oceľ AISI 303 |
| Kryt | Ø8 - Ø12 - Ø20 mosadz Ø32 - Ø50 - Ø63 eloxovaný hliník |
| Piest | RS Ø8 - Ø12 nehrdzavejúca oceľ AISI 303 Ø20 hliník Ø32 - Ø50 - Ø63 delrin RD Ø12 - Ø20 hliník Ø32 - Ø50 - Ø63 delrin |
| Piestnica | eloxovaný hliník |
| Vodiace puzdro | oceľ + PTFE |
| Tesnenia | polyuretán, NBR |

| | | | | |
|---------------|------------------|----------------|--------------|-----------|
| R | D | 20 | / | 10 |
| | | PRIEMER | ZDVIH | |
| | | 8 | RS | RD |
| | | 12 | 4 | 5 |
| | | 20 | 5 | 10 |
| | | 32 | 10 | 15 |
| | | 50 | 25 | 20 |
| | | 63 | | 25 |
| | | | | 30 |
| VERZIE | | | | |
| S | Jednočinný valec | | | |
| D | Dvojčinný valec | | | |



| Ø [mm] | Zdvih [mm] | AF | DT | E1 | E2 | EE | KF | LB | MM | J | PL1 | SW | TG1 | TG2 | U | W | WH | ZA+* | ZB+* |
|--------|------------|------|-----|----|----|------|----|-----|----|-----|-----|----|-----|-----|----|------|----|------|------|
| Ø 8 | 4 | - | 6 | 18 | 20 | M5 | - | 3,1 | 4 | 3,4 | 5,5 | - | 11 | - | 8 | 6,5 | 1 | 12 | 13 |
| Ø 12 | 4 | - | 6 | 20 | 25 | M5 | - | 3,4 | 5 | 3,3 | 6 | - | 13 | - | 9 | 9 | 1 | 12 | 13 |
| Ø 12 | 10 | 10 | 6 | 20 | 25 | M5 | M3 | 3,4 | 5 | 3,3 | 6 | - | 13 | - | 9 | 9 | 4 | 16 | 20 |
| Ø 20 | 4 | 9 | 9 | 20 | 37 | M5 | M5 | 5,5 | 10 | 5,5 | 5 | 8 | 20 | - | 15 | 16 | 1 | 16 | 17 |
| Ø 20 | 10 | 10 | 9 | 32 | 37 | M5 | M5 | 5,5 | 10 | 5,5 | 5 | 8 | 20 | - | 15 | 16 | 1 | 22 | 23 |
| Ø 20 | 25 | 10 | 9 | 32 | 37 | M5 | M5 | 5,5 | 10 | 5,5 | 5 | 8 | 20 | - | 15 | 16 | 1 | 28 | 29 |
| Ø 32 | 5 | 10 | 9,5 | 45 | 55 | G1/8 | M6 | 5,7 | 12 | 5,3 | 8,5 | 10 | 32 | 36 | 18 | 24 | 1 | 21 | 22 |
| Ø 32 | 10 | 14,5 | 9,5 | 45 | 55 | G1/8 | M6 | 5,7 | 12 | 5,3 | 8,5 | 10 | 32 | 36 | 18 | 24 | 1 | 22 | 23 |
| Ø 32 | 25 | 14,5 | 9,5 | 45 | 55 | G1/8 | M6 | 5,7 | 12 | 5,3 | 8,5 | 10 | 32 | 36 | 18 | 24 | 1 | 32,5 | 33,5 |
| Ø 50 | 10 | 10,5 | 11 | 65 | 70 | G1/8 | M8 | 6,8 | 16 | 6,5 | 7,5 | 13 | 50 | 50 | 25 | 32,5 | 1 | 20 | 21 |
| Ø 50 | 25 | 15,5 | 11 | 65 | 70 | G1/8 | M8 | 6,8 | 16 | 6,5 | 8 | 13 | 50 | 50 | 25 | 32,5 | 1 | 32,5 | 33,5 |
| Ø 63 | 10 | 14,5 | 14 | 80 | 85 | G1/8 | M8 | 9 | 16 | 9 | 8 | 13 | 62 | 62 | 31 | 40 | 1 | 25 | 26 |
| Ø 63 | 25 | 14,5 | 14 | 80 | 85 | G1/8 | M8 | 9 | 16 | 9 | 8 | 13 | 62 | 62 | 31 | 40 | 2 | 35,5 | 37,5 |

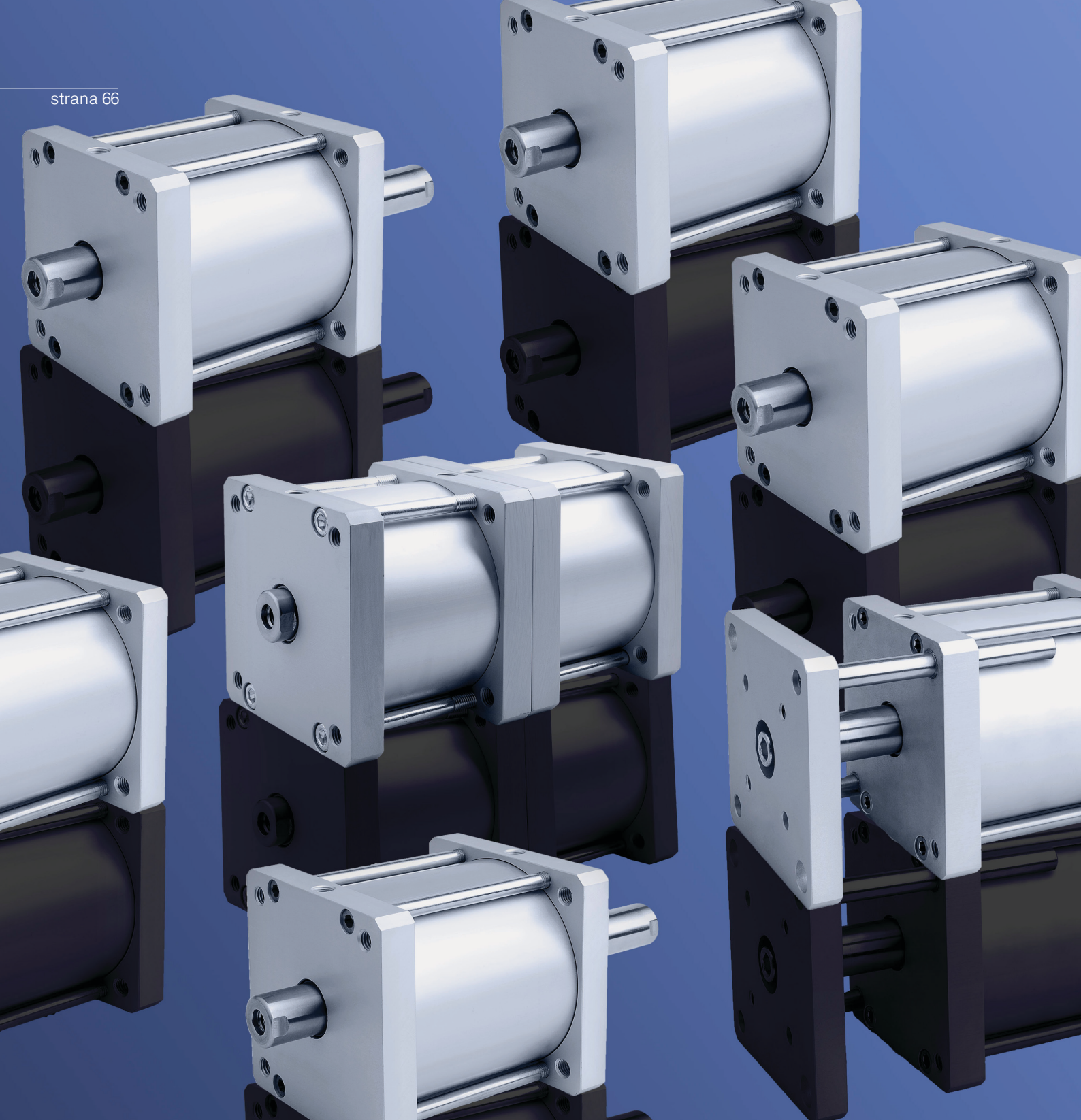
+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



| Ø [mm] | Zdvih [mm] | A | AF | DT | E1 | E2 | EE | KF | KK | LB | MM | J | O |
|--------|------------------|---|----|-----|----|----|------|----|----|-----|----|-----|----|
| Ø 12 | 5-10-15-20-25-30 | 9 | - | 6 | 20 | 25 | M5 | - | M5 | 3,4 | 6 | 3,3 | - |
| Ø 20 | 5-10-15-20-25-30 | - | 10 | 9 | 32 | 37 | M5 | M5 | - | 5,5 | 10 | 5,5 | - |
| Ø 32 | 5-10-15-20-25-30 | - | 15 | 9,5 | 45 | 56 | G1/8 | M6 | - | 5,7 | 12 | 5,3 | 22 |
| Ø 50 | 5-10-15-20-25-30 | - | 17 | 11 | 65 | 70 | G1/8 | M8 | - | 6,8 | 16 | 6,5 | 35 |
| Ø 63 | 5-10-15-20-25-30 | - | 17 | 14 | 80 | 85 | G1/8 | M8 | - | 9 | 16 | 9 | 35 |

| Ø [mm] | Zdvih [mm] | PL1 | PL2 | SW | TG1 | TG2 | U | VD | W | WH | ZA+ | ZB+ |
|--------|------------------|-----|-----|----|-----|-----|----|-----|------|------|------|------|
| Ø 12 | 5-10-15-20-25-30 | 5 | 9 | - | 13 | - | 9 | - | 9 | 1 | 21 | 31 |
| Ø 20 | 5-10-15-20-25-30 | 5 | 8,5 | 8 | 20 | - | 15 | - | 16 | 9,5 | 24,5 | 34 |
| Ø 32 | 5-10-15-20-25-30 | 8,5 | 12 | 10 | 32 | 36 | 18 | 3,5 | 24 | 12,5 | 33 | 45,5 |
| Ø 50 | 5-10-15-20-25-30 | 9 | 11 | 13 | 50 | 50 | 25 | 6 | 32,5 | 17 | 32,5 | 49,5 |
| Ø 63 | 5-10-15-20-25-30 | 8 | 13 | 13 | 62 | 62 | 31 | 6,5 | 40 | 17 | 35,5 | 52,5 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

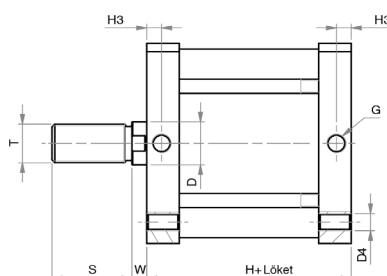
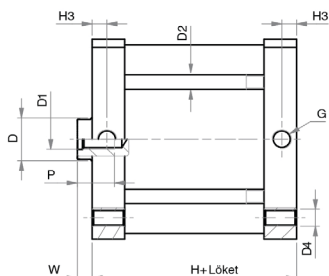
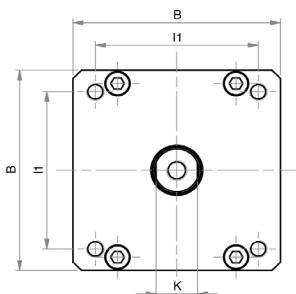
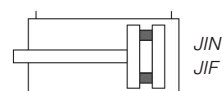
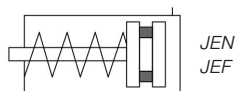
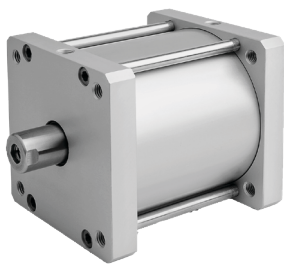


Svorníkové kompaktné valce

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø125 - Ø160 - Ø200 - Ø250 mm |
| Štandardný zdvih | 10 - 25 - 50 - 75 - 100 - 125 - 160 - 200 - 250 - 300 mm |
| | Jednočinný |
| | Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | Jednočinný: 2 ... 10 bar Dvojčinný: 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ AISI 303 |
| Vodiace puzdro | oceľ + PTFE |
| Tesnenia | polyuretán |

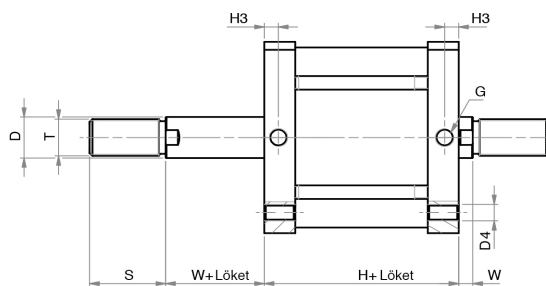
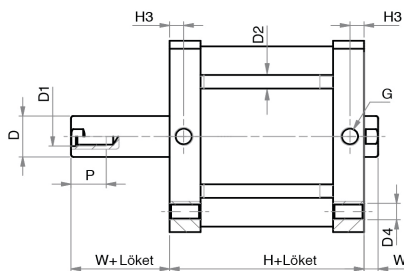
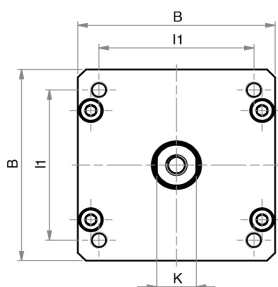
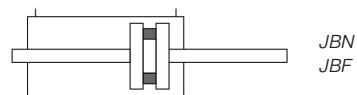
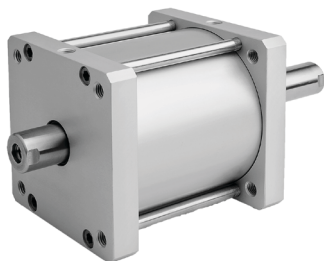
| | | | | | | |
|----------|----------|----------|----------|----------------|--|--------------|
| J | I | N | V | 125 | / | 50 |
| | | | | PRIEMER | | ZDVIH |
| | | | | 125 | | 10 |
| | | | | 160 | | 25 |
| | | | | 200 | | 50 |
| | | | | 250 | | 75 |
| | | | | | | 100 |
| | | | | | | 125 |
| | | | | | | 160 |
| | | | | | | 200 |
| | | | | | | 250 |
| | | | | | | 300 |
| | | | | VERZIE | | |
| | | | | PRÁZDNE | Štandardné tesnenie | |
| | | | | K | FPM tesnenie stierača (v prípade valcov JI, JB, JINT do Ø200 mm) | |
| | | | | V | FPM tesnenie (v prípade valcov JI, JB, JINT do Ø200 mm) | |
| | | | | VERZIE | | |
| | | | | N | Piestnica s vnútorným závitom | |
| | | | | F | Piestnica s vonkajším závitom | |
| | | | | NT | S vedením zaistené proti pootočeniu (v prípade valcov JI) | |
| | | | | VERZIE | | |
| | | | | E | Jednočinný valec | |
| | | | | I | Dvojčinný valec | |
| | | | | B | Dvojčinný valec, priebežná piestnica | |

JEN/JEF/JIN/JIF



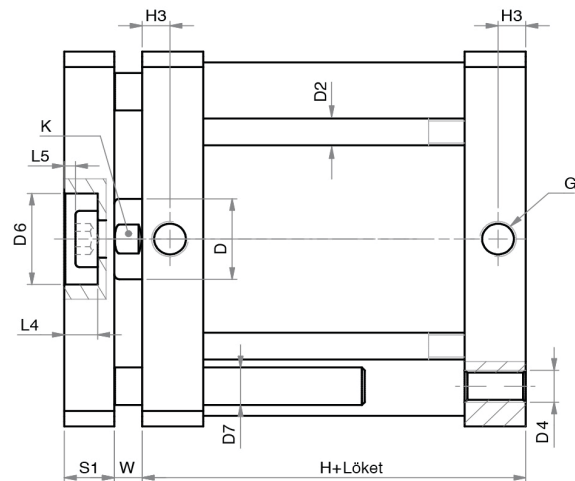
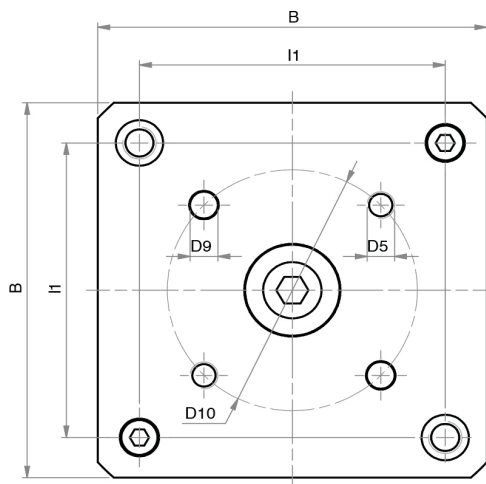
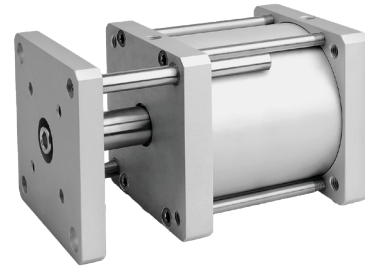
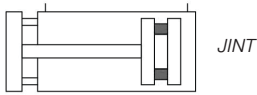
| Ø [mm] | B | D | D1 | D2 | D4 | G | H+ | H+viton | H3 | I1 | K | P | S | T | W |
|--------|-----|----|-----|----|-----|------|-----|---------|----|-----|----|----|----|-------|----|
| Ø 125 | 140 | 30 | M14 | 10 | M12 | G1/4 | 78 | 83 | 10 | 110 | 28 | 25 | 54 | M27x2 | 10 |
| Ø 160 | 180 | 40 | M20 | 12 | M16 | G3/8 | 87 | 91 | 12 | 140 | 36 | 30 | 72 | M36x2 | 12 |
| Ø 200 | 220 | 40 | M20 | 14 | M16 | G3/8 | 87 | 105 | 12 | 175 | 36 | 30 | 72 | M36x2 | 12 |
| Ø 250 | 270 | 40 | M24 | 16 | M20 | G1/2 | 116 | 116 | 15 | 220 | 36 | 35 | 72 | M36x2 | 12 |

JBN/JBF



| Ø [mm] | B | D | D1 | D2 | D4 | G | H+ | H+viton | H3 | I1 | K | P | S | T | W | W+ |
|--------|-----|----|-----|----|-----|------|-----|---------|----|-----|----|----|----|-------|----|----|
| Ø 125 | 140 | 30 | M14 | 10 | M12 | G1/4 | 78 | 83 | 10 | 110 | 28 | 25 | 54 | M27x2 | 10 | 10 |
| Ø 160 | 180 | 40 | M20 | 12 | M16 | G3/8 | 87 | 91 | 12 | 140 | 36 | 30 | 72 | M36x2 | 12 | 12 |
| Ø 200 | 220 | 40 | M20 | 14 | M16 | G3/8 | 87 | 105 | 12 | 175 | 36 | 30 | 72 | M36x2 | 12 | 12 |
| Ø 250 | 270 | 40 | M24 | 16 | M20 | G1/2 | 116 | 116 | 15 | 220 | 36 | 35 | 72 | M36x2 | 12 | 12 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



| Ø [mm] | B | D | D1 | D2 | D4 | D5 | D6 | D7 | D9 | D10 |
|--------|------|----|----------|----|-----|-----|----|----|----|-----|
| Ø 125 | 140 | 30 | M14 | 10 | M12 | M10 | 34 | 14 | 10 | 90 |
| Ø 160 | 180 | 40 | M20 | 12 | M16 | M12 | 46 | 20 | 12 | 110 |
| Ø 200 | 220 | 40 | M20 | 14 | M16 | M12 | 46 | 20 | 12 | 110 |
| Ø [mm] | G | H+ | H+ viton | H3 | I1 | K | L4 | L5 | S1 | W |
| Ø 125 | G1/4 | 78 | 83 | 10 | 110 | 28 | 12 | 3 | 18 | 10 |
| Ø 160 | G3/8 | 87 | 91 | 12 | 140 | 36 | 16 | 3 | 23 | 12 |
| Ø 200 | G3/8 | 87 | 105 | 12 | 175 | 36 | 16 | 3 | 23 | 12 |

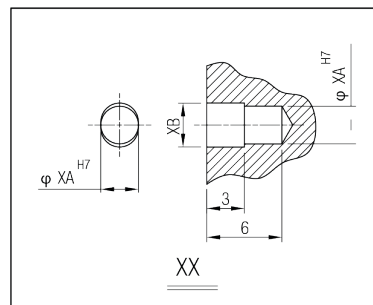
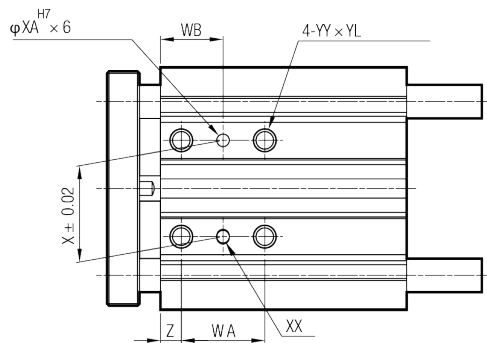
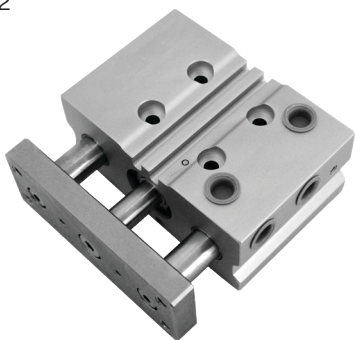
+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



Kompaktné valce s vedením

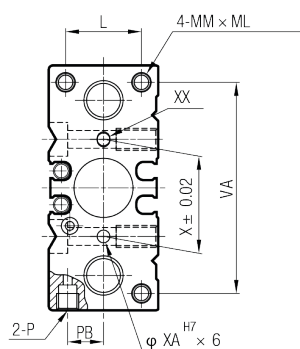
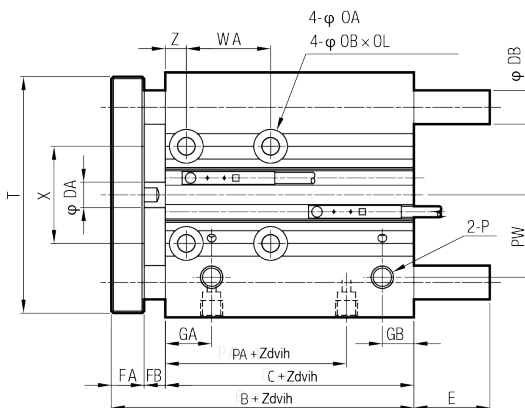
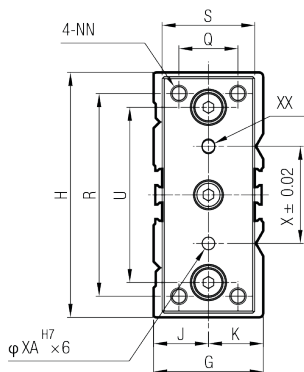
| Všeobecný opis | | |
|------------------|---|------------------|
| Priemer piestu | Ø6 - Ø8 - Ø12 - Ø16 - Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 mm A-CG04 A-CG02 A-CG01 | |
| Štandardný zdvih | 10 - 20 - 25 - 30 - 40 - 50 - 75 - 100 - 125 - 150 - 175 - 200 - 250 - 300 - 350 - 400 mm (A-CG01) 10 - 20 - 30 - 40 - 50 - 60 - 70 - 80 - 90 - 100 mm (A-CG02) 10 - 20 - 30 - 40 - 50 - 75 - 100 - 125 - 150 mm (A-CG04) | |
| Pracovné médium | stlačený vzduch | |
| Pracovný tlak | 1,5 ... 7 bar (A-CG04) 0,5 ... 7 bar (A-CG02) 1 ... 10 bar (A-CG01, CC_) | |
| Teplota okolia | -5°C ... +60°C (S klzným ložiskom) -20°C ... +80°C (S guľôčkovým ložiskom) | |
| Rýchlosť | 50 mm/s ... 500 mm/s | |
| Variácie | A-CG01, A-CG02, A-CG04 (S klzným ložiskom) CCIG6, CCBG6, CCLG6, CCVG (S guľôčkovým ložiskom) | |
| Použitý materiál | A_ | C_ |
| Teleso valca | hliník | hliník |
| Platňa | uhlíková oceľ | poniklovaná oceľ |
| Piestnica | Ø12 - Ø20 nehrdzavejúca oceľ Ø25 - Ø63 uhlíková oceľ | chrómovaná oceľ |
| Tesnenia | NBR | NBR, polyuretán |

A-CG01



Ø12 - Ø32

Zadná strana



| Ø | B | C | DA | DB | FA | FB | G | GA | GB | H | J | K | L | MM | ML | NN | OA | OB | OL | P | PA |
|-----|------|------|----|----|----|----|----|------|------|-----|----|----|----|---------|----|---------|-----|------|-----|--------|------|
| Ø12 | 42 | 29 | 6 | 8 | 8 | 5 | 26 | 11 | 15* | 58 | 13 | 13 | 18 | M4x0,7 | 10 | M4x0,7 | 4,3 | 8 | 4,5 | M5x0,8 | 14 |
| Ø16 | 46 | 33 | 8 | 10 | 8 | 5 | 30 | 11 | 18** | 64 | 15 | 15 | 22 | M5x0,8 | 12 | M5x0,8 | 4,3 | 8 | 4,5 | M5x0,8 | 15 |
| Ø20 | 53 | 37 | 10 | 12 | 10 | 6 | 36 | 10,5 | 9 | 85 | 19 | 19 | 24 | M5x0,8 | 13 | M5x0,8 | 5,2 | 9,5 | 5,5 | G1/8 | 12,5 |
| Ø25 | 53,5 | 37,5 | 12 | 16 | 10 | 6 | 42 | 11,5 | 9 | 96 | 21 | 21 | 30 | M6x1,0 | 15 | M6x1,0 | 5,2 | 9,5 | 5,5 | G1/8 | 12,5 |
| Ø32 | 59,5 | 37,5 | 16 | 20 | 12 | 10 | 51 | 12,5 | 9 | 116 | 25 | 25 | 34 | M8x1,25 | 20 | M8x1,25 | 6,6 | 11,0 | 7,5 | G1/8 | 7 |

| Ø | PB | PW | Q | R | S | T | U | VA | X | XA | XB | YY | YL | Z |
|-----|------|----|----|----|----|-----|------|----|----|----|-----|---------|----|----|
| Ø12 | 8,5 | 18 | 14 | 48 | 22 | 56 | 41,5 | 50 | 23 | 3 | 3,5 | M5x0,8 | 10 | 5 |
| Ø16 | 10 | 19 | 16 | 54 | 25 | 62 | 46 | 56 | 24 | 3 | 3,5 | M5x0,8 | 10 | 5 |
| Ø20 | 11,5 | 25 | 18 | 70 | 30 | 81 | 55 | 72 | 28 | 3 | 3,5 | M6x1,0 | 12 | 17 |
| Ø25 | 13,5 | 29 | 26 | 78 | 38 | 91 | 65 | 82 | 34 | 4 | 4,5 | M6x1,0 | 12 | 17 |
| Ø32 | 16 | 34 | 30 | 96 | 44 | 110 | 80 | 98 | 42 | 4 | 4,5 | M8x1,25 | 16 | 21 |

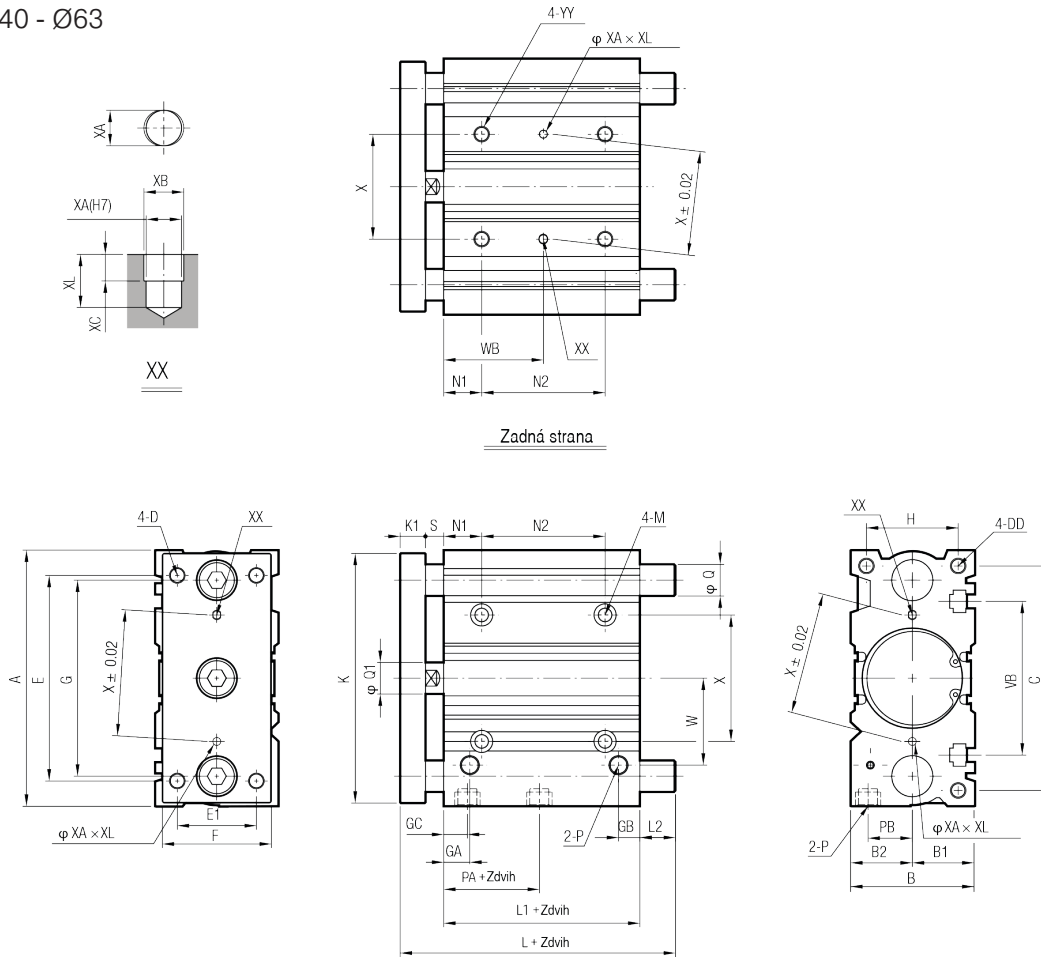
| Ø [mm] | E | | |
|--------|----------|-----------|---------|
| | 10-50 mm | 51-100 mm | 100+ mm |
| Ø12 | - | 18,5 | 43 |
| Ø16 | - | 18,5 | 49 |
| Ø20 | - | 31,5 | 69 |
| Ø25 | - | 31,5 | 68,5 |
| Ø32 | 37,5 | 52,5 | 80,5 |

| Ø [mm] | WA | | | | | WB | | | | |
|--------|--------|-----------|------------|------------|---------|----------|-----------|------------|------------|---------|
| | ~39 mm | 40-100 mm | 125-200 mm | 201-300 mm | 301~ mm | 20-39 mm | 40-100 mm | 125-200 mm | 201-300 mm | 301~ mm |
| Ø12 | 20 | 40 | 110 | 200 | - | 15 | 25 | 60 | 105 | - |
| Ø16 | 24 | 44 | 110 | 200 | - | 17 | 27 | 60 | 105 | - |
| Ø20 | 24 | 44 | 120 | 200 | 300 | 29 | 39 | 77 | 117 | 167 |
| Ø25 | 24 | 44 | 120 | 200 | 300 | 29 | 39 | 77 | 117 | 167 |
| Ø32 | 24 | 48 | 124 | 200 | 300 | 33 | 45 | 83 | 121 | 171 |

* V prípade 19 mm zdvihu, alebo kratšieho. GB = 7,5 mm

** V prípade 19 mm zdvihu, alebo kratšieho. GB = 9 mm

Ø40 - Ø63



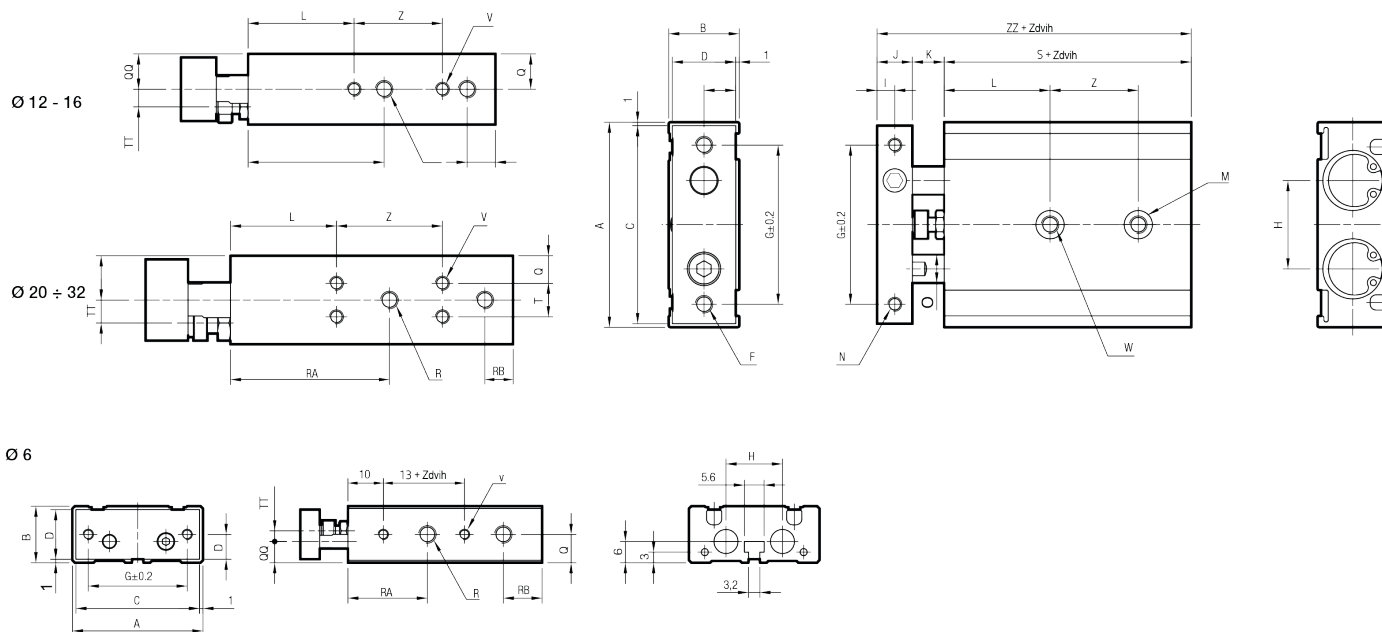
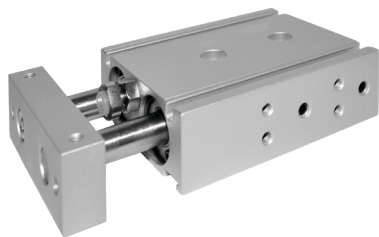
Zadná strana

| Ø [mm] | A | B | B1 | B2 | C | D | DD | E | E1 | F | G | GA | GB | GC | H | K | K1 | L1 |
|--------|-----|----|----|----|-----|---------|------------|-----|----|----|-----|------|------|------|----|-----|----|----|
| Ø40 | 120 | 54 | 27 | 27 | 106 | M8x1,25 | M8x1,25x20 | 104 | 30 | 44 | 86 | 14,0 | 10,0 | 14,0 | 40 | 118 | 12 | 44 |
| Ø50 | 148 | 64 | 32 | 32 | 130 | M10x1,5 | M10x1,5x22 | 130 | 40 | 60 | 110 | 14,0 | 11,0 | 12,0 | 46 | 146 | 16 | 44 |
| Ø63 | 162 | 78 | 39 | 39 | 142 | M10x1,5 | M10x1,5x22 | 130 | 50 | 70 | 124 | 16,5 | 13,5 | 16,5 | 58 | 158 | 16 | 49 |

| Ø [mm] | M | N1 | P | PA | PB | Q1 | S | VB | W | X | XA | XB | XC | XL | YY |
|--------|--------------|----|------|----|------|----|----|-----|----|----|----|-----|----|-----|------------|
| Ø40 | Ø6,6-Ø11x7,5 | 22 | G1/8 | 13 | 18,0 | 16 | 10 | 72 | 38 | 50 | 4 | 4,5 | 3 | 6,0 | M8x1,25x16 |
| Ø50 | Ø8,6-Ø14,9 | 24 | G1/4 | 9 | 21,5 | 20 | 12 | 92 | 47 | 66 | 5 | 6,0 | 4 | 8,0 | M10x1,5x20 |
| Ø63 | Ø8,6-Ø14,9 | 24 | G1/4 | 14 | 28,0 | 20 | 12 | 110 | 55 | 80 | 5 | 6,0 | 4 | 8,0 | M10x1,5x20 |

| Ø [mm] | N2 | | | WB | | | L | | L2 | | Q |
|--------|-------|-----------|---------|-------|-----------|---------|------------|--------|------------|--------|-----|
| | 25 mm | 50-100 mm | 100~ mm | 25 mm | 50-100 mm | 100~ mm | 25 - 50 mm | 50~ mm | 25 - 50 mm | 50~ mm | |
| Ø40 | 24 | 48 | 124 | 34 | 46 | 84 | 97,0 | 102 | 31,0 | 36 | Ø20 |
| Ø50 | 24 | 48 | 124 | 36 | 48 | 86 | 106,5 | 118 | 34,5 | 46 | Ø25 |
| Ø63 | 28 | 52 | 128 | 38 | 50 | 88 | 106,5 | 118 | 39,5 | 41 | Ø25 |

A-CG02



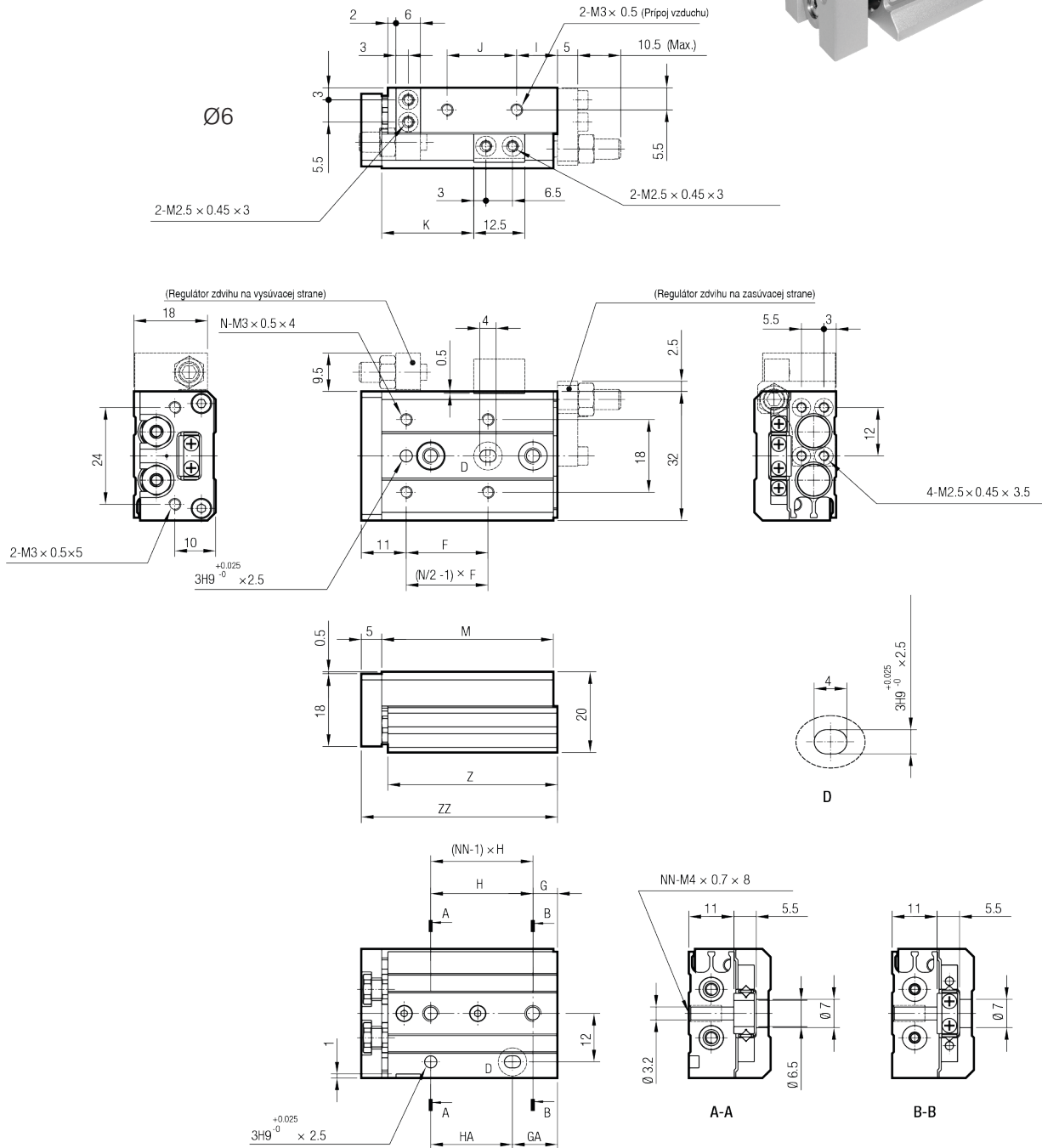
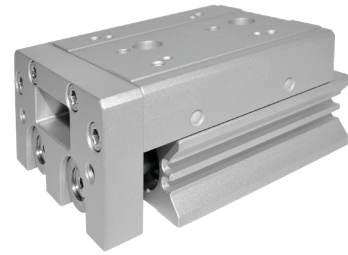
| Ø [mm] | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|--------|----|----|----|----|------|----------|----|----|------|------|----|----|-------------|------------|----|
| Ø6 | 37 | 16 | 35 | 14 | 7 | 2-M3x0,5 | 28 | 16 | 2,75 | 5,5 | 8 | 13 | 2-Ø6,5x3,3* | 2-M3x0,5 | 4 |
| Ø12 | 46 | 18 | 44 | 16 | 8 | 2-M4x0,7 | 35 | 19 | 4,00 | 8,0 | 9 | 20 | 4-Ø6,5x3,3 | 4-M3x0,5x5 | 6 |
| Ø16 | 58 | 20 | 56 | 18 | 9 | 2-M5x0,8 | 45 | 25 | 5,00 | 10,0 | 9 | 30 | 4-Ø8x4,4 | 4-M4x0,7x6 | 8 |
| Ø20 | 64 | 25 | 62 | 23 | 11,5 | 2-M5x0,8 | 50 | 28 | 6,00 | 12,0 | 12 | 30 | 4-Ø9,5x5,3 | 4-M4x0,7x6 | 10 |
| Ø25 | 80 | 30 | 78 | 28 | 14 | 2-M6x1,0 | 60 | 35 | 6,00 | 12,0 | 12 | 30 | 4-Ø11x6,3 | 4-M4x0,8x8 | 12 |
| Ø32 | 98 | 38 | 96 | 36 | 18 | 2-M6x1,0 | 75 | 44 | 8,00 | 16,0 | 14 | 30 | 4-Ø11x6,3 | 4-M4x0,8x8 | 16 |

| Ø [mm] | Q | QQ | R | RA | RB | S | T | TT | V | W |
|--------|-------|------|----------|------|----|----|------|------|--------------|-----------|
| Ø6 | 8,00 | 6,0 | 4-M5x0,8 | 22,5 | 11 | 45 | - | 3 | 4-M3x0,5x4,5 | 2-Ø3,4 |
| Ø12 | 9,00 | 10,0 | 4-M5x0,8 | 30,0 | 8 | 55 | - | 3,5 | 4-M3x0,5x4,5 | 2-M4x0,7 |
| Ø16 | 10,00 | 10,0 | 4-M5x0,8 | 38,5 | 8 | 60 | - | 5 | 4-M4x0,7x5 | 2-M5x0,8 |
| Ø20 | 7,75 | 12,5 | 4-M5x0,8 | 45,0 | 8 | 70 | 9,5 | 6,5 | 8-M4x0,7x5,5 | 2-M6x1,0 |
| Ø25 | 8,50 | 15,0 | 4-G1/8 | 46,0 | 9 | 72 | 13,0 | 9 | 8-M5x0,8x7,5 | 2-M8x1,25 |
| Ø32 | 9,00 | 19,0 | 4-G1/8 | 56,0 | 10 | 82 | 20,0 | 11,5 | 8-M5x0,8x7,5 | 2-M8x1,25 |

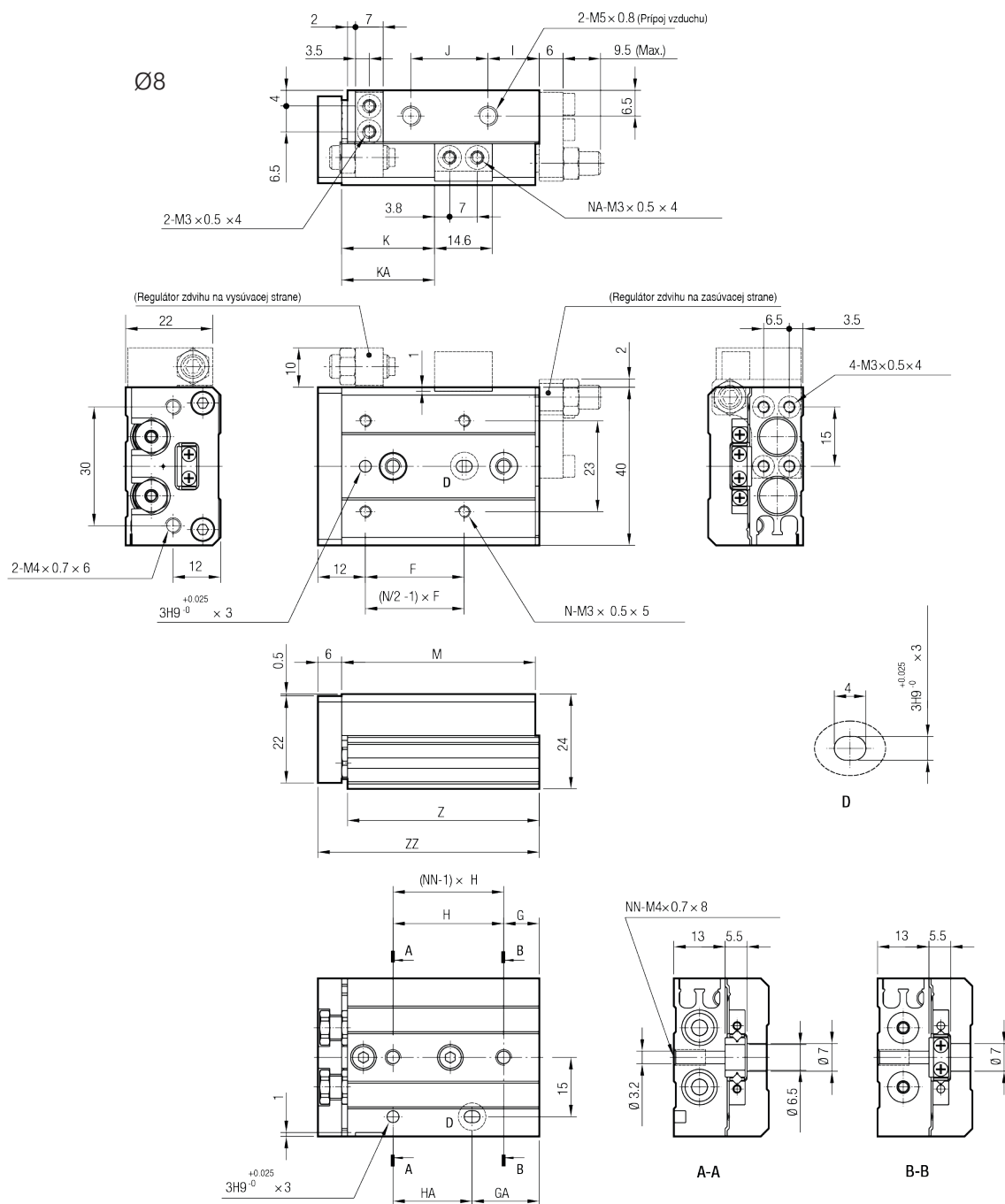
| Z (zdvih) | | | | | | |
|-----------|----------------|---------|---------|----|--------|------|
| Ø [mm] | 10 ~ 25 | 30 ~ 50 | 60 ~ 75 | 80 | 90~100 | ZZ |
| Ø6 | 10+1/2 zdvih** | | | | | 58,8 |
| Ø12 | 30 | 40 | 50 | - | - | 72 |
| Ø16 | 25 | 35 | 45 | 45 | 55 | 79 |
| Ø20 | 30 | 40 | 60 | 60 | 60 | 94 |
| Ø25 | 30 | 40 | 60 | 60 | 60 | 96 |
| Ø32 | 40 | 50 | 70 | 70 | 70 | 112 |

*Ø6 - iba na jednej strane

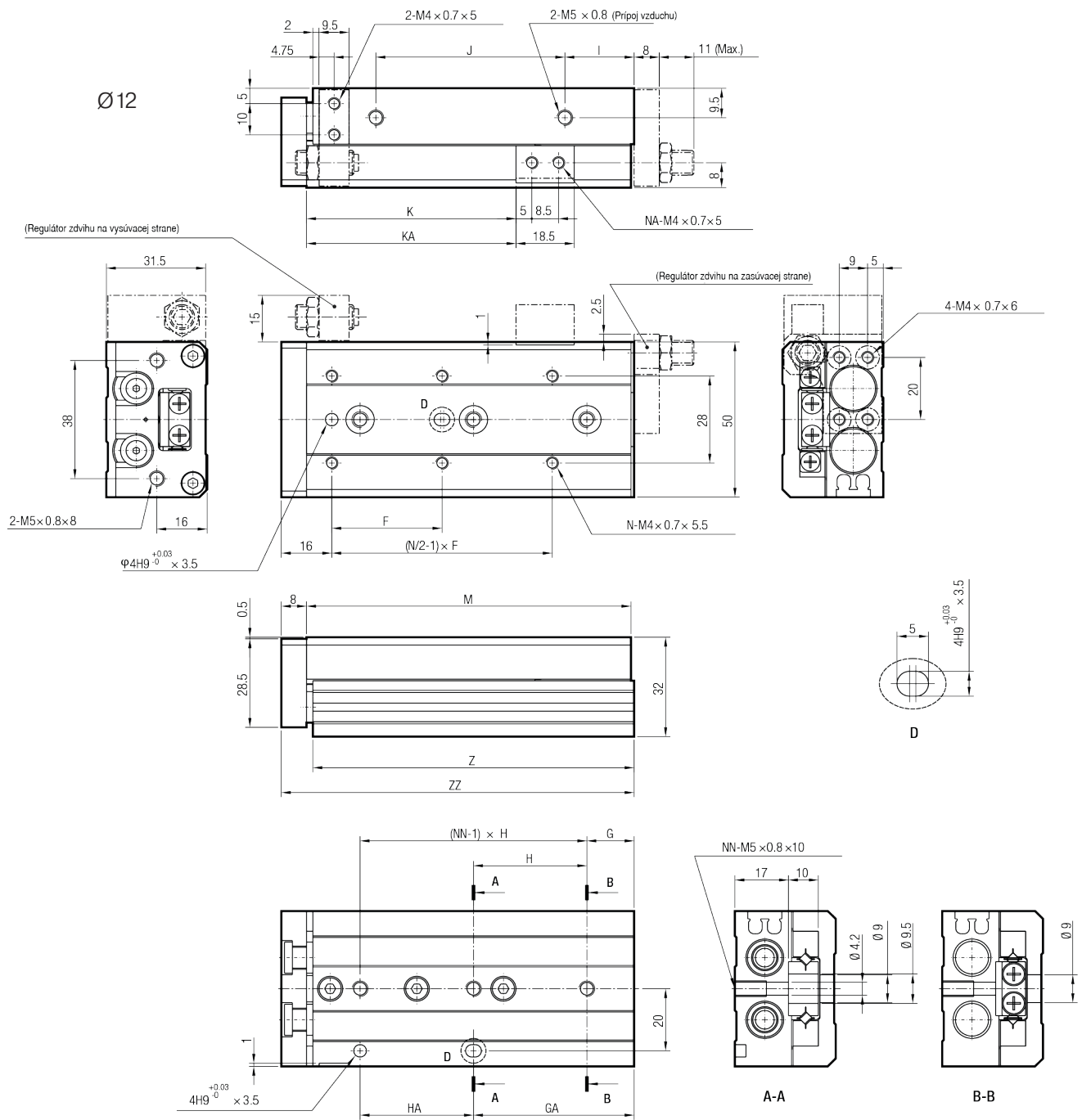
**Ø6 - v prípade zdvihov 10-20-30 mm



| Zdvih [mm] | F | G | GA | H | HA | I | J | K | M | N | NN | Z | ZZ |
|------------|----|----|----|----|----|----|----|------|-----|---|----|------|-----|
| 10 | 20 | 6 | 11 | 25 | 20 | 10 | 17 | 22,5 | 42 | 4 | 2 | 41,5 | 48 |
| 20 | 30 | 6 | 21 | 35 | 20 | 10 | 27 | 32,5 | 52 | 4 | 2 | 51,5 | 58 |
| 30 | 20 | 11 | 31 | 20 | 20 | 7 | 40 | 42,5 | 62 | 6 | 3 | 61,5 | 68 |
| 40 | 28 | 13 | 43 | 30 | 30 | 19 | 50 | 52,5 | 84 | 6 | 3 | 83,5 | 90 |
| 50 | 38 | 17 | 41 | 24 | 48 | 25 | 60 | 62,5 | 100 | 6 | 4 | 99,5 | 106 |

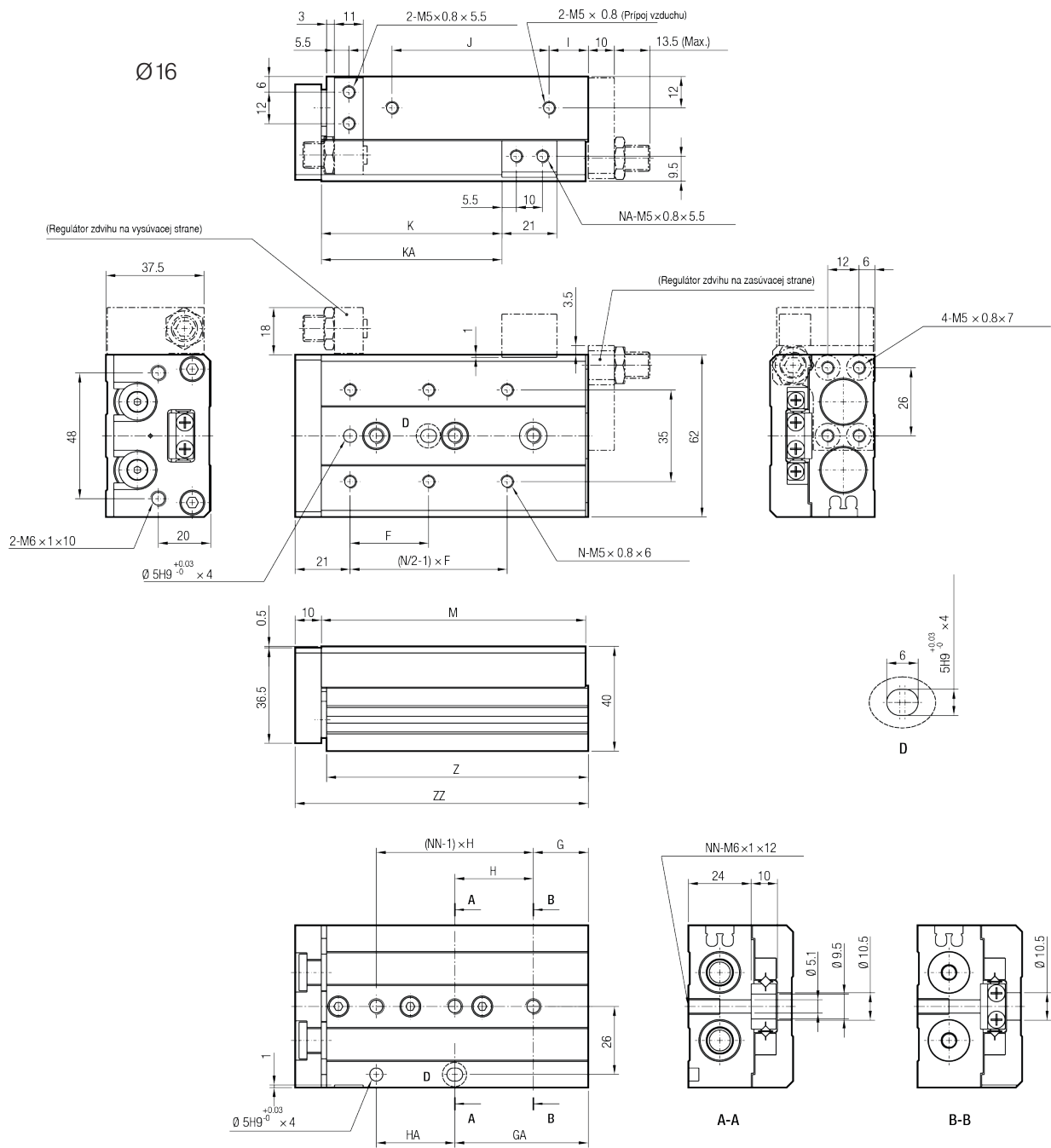


| Zdvih [mm] | F | G | GA | H | HA | I | J | K | KA | M | N | NA | NN | Z | ZZ |
|------------|----|----|----|----|----|------|------|------|-------|-----|---|----|----|-------|-----|
| 10 | 25 | 9 | 17 | 28 | 20 | 13,0 | 19,5 | 23,5 | - | 49 | 4 | 2 | 2 | 48,5 | 56 |
| 20 | 25 | 12 | 12 | 30 | 30 | 8,5 | 29,0 | 33,5 | - | 54 | 4 | 2 | 2 | 53,5 | 61 |
| 30 | 40 | 13 | 33 | 20 | 20 | 9,5 | 39,0 | 43,5 | - | 65 | 4 | 2 | 3 | 64,5 | 72 |
| 40 | 50 | 15 | 43 | 28 | 28 | 10,5 | 56,0 | 53,5 | - | 83 | 4 | 2 | 3 | 82,5 | 90 |
| 50 | 38 | 20 | 43 | 23 | 46 | 24,5 | 60,0 | 63,5 | 82,5 | 101 | 6 | 4 | 4 | 100,5 | 108 |
| 75 | 50 | 27 | 83 | 56 | 56 | 38,5 | 96,0 | 88,5 | 132,5 | 151 | 6 | 4 | 5 | 150,5 | 158 |

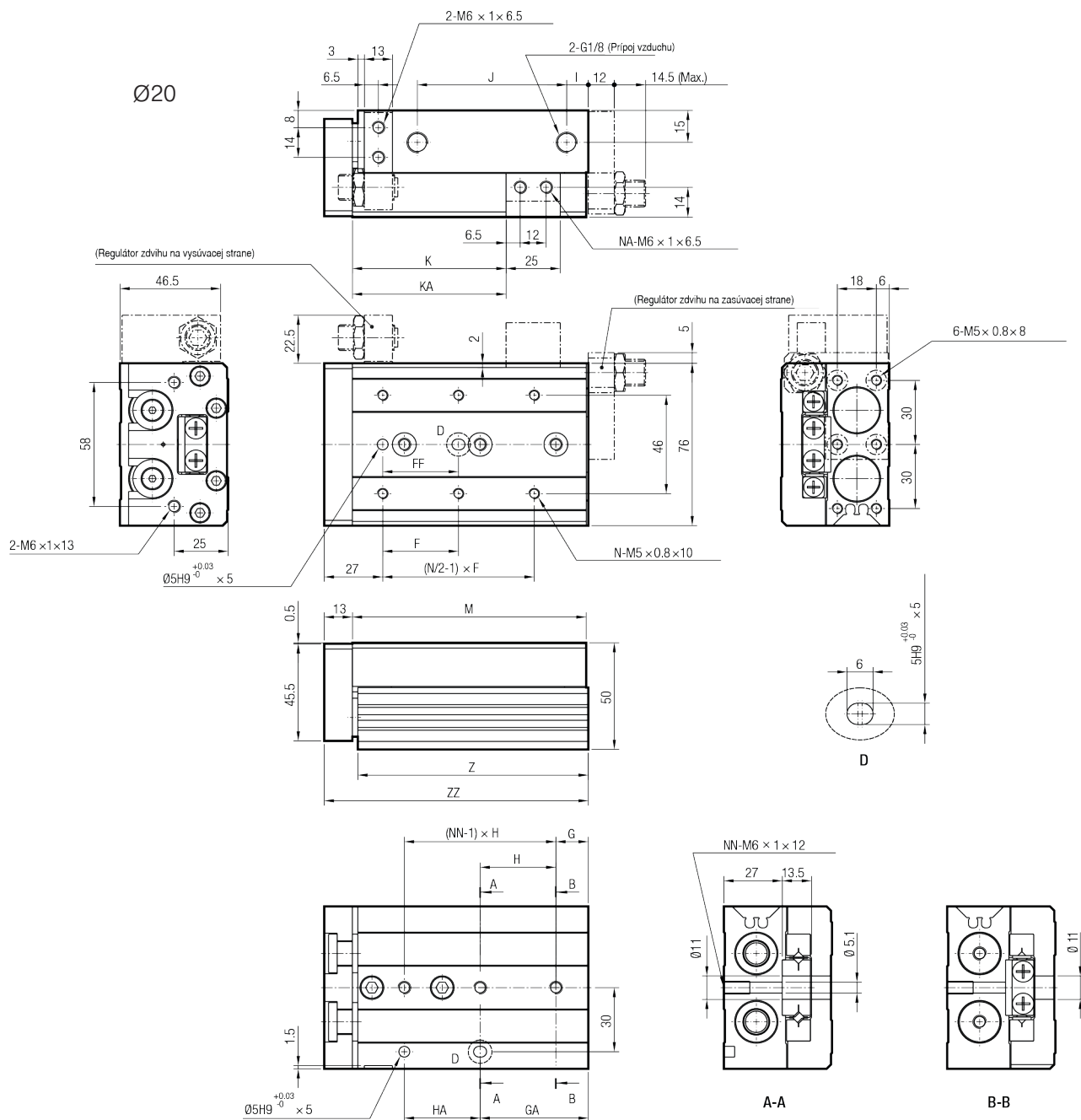


| Zdvih [mm] | F | G | GA | H | HA | I | J | K | KA | M | N | NA | NN | Z | ZZ |
|------------|----|----|-----|----|----|----|-----|-------|-------|-----|---|----|----|-----|-----|
| 10 | 35 | 15 | 15 | 40 | 40 | 10 | 40 | 26,5 | - | 71 | 4 | 2 | 2 | 70 | 80 |
| 20 | 35 | 15 | 15 | 40 | 40 | 10 | 40 | 36,5 | - | 71 | 4 | 2 | 2 | 70 | 80 |
| 30 | 35 | 15 | 15 | 40 | 40 | 10 | 40 | 46,5 | - | 71 | 4 | 2 | 2 | 70 | 80 |
| 40 | 50 | 17 | 42 | 25 | 25 | 10 | 52 | 56,5 | - | 83 | 4 | 2 | 3 | 82 | 92 |
| 50 | 35 | 15 | 51 | 36 | 36 | 22 | 60 | 66,5 | - | 103 | 6 | 2 | 3 | 102 | 112 |
| 75 | 55 | 25 | 61 | 36 | 72 | 43 | 85 | 91,5 | 125,5 | 149 | 6 | 4 | 4 | 148 | 158 |
| 100 | 65 | 35 | 111 | 38 | 76 | 52 | 130 | 116,5 | 116,5 | 203 | 6 | 4 | 5 | 202 | 212 |

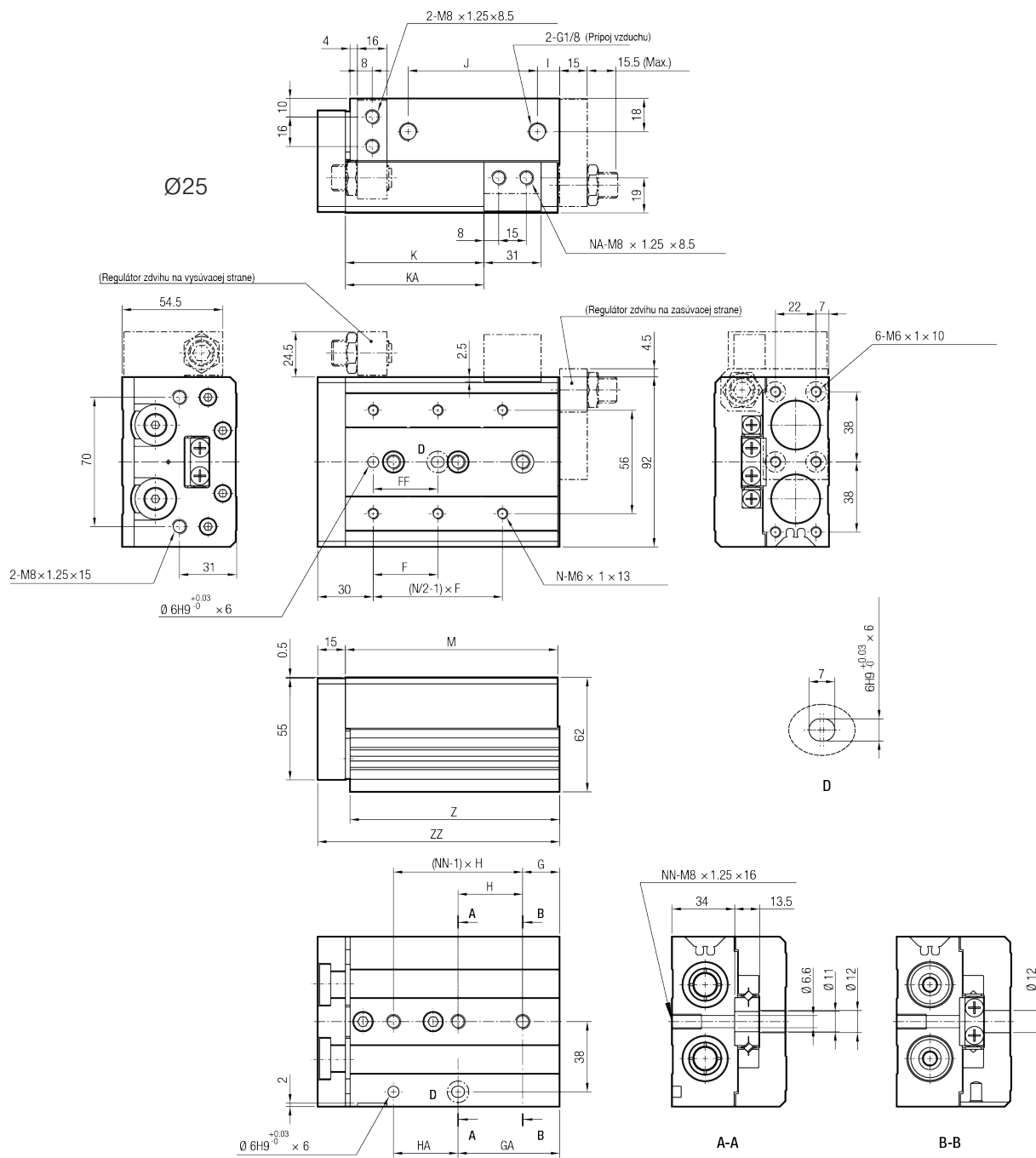
A-CG04



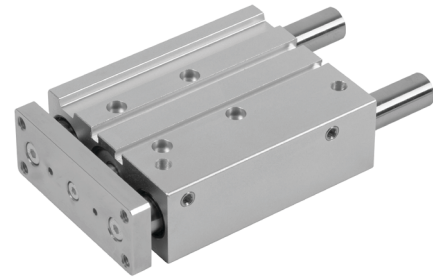
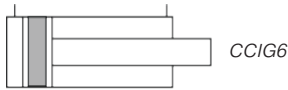
| Zdvih [mm] | F | G | GA | H | HA | I | J | K | KA | M | N | NA | NN | Z | ZZ |
|------------|----|----|-----|----|----|----|-----|-----|-----|-----|---|----|----|-----|-----|
| 10 | 35 | 16 | 16 | 40 | 40 | 10 | 40 | 29 | - | 76 | 4 | 2 | 2 | 75 | 87 |
| 20 | 35 | 16 | 16 | 40 | 40 | 10 | 40 | 39 | - | 76 | 4 | 2 | 2 | 75 | 87 |
| 30 | 35 | 16 | 16 | 40 | 40 | 10 | 40 | 49 | - | 76 | 4 | 2 | 2 | 75 | 87 |
| 40 | 40 | 16 | 16 | 50 | 50 | 10 | 50 | 59 | - | 86 | 4 | 2 | 2 | 85 | 97 |
| 50 | 30 | 21 | 51 | 30 | 30 | 15 | 60 | 69 | - | 101 | 6 | 2 | 3 | 100 | 112 |
| 75 | 55 | 26 | 61 | 35 | 70 | 40 | 85 | 94 | 125 | 151 | 6 | 4 | 4 | 150 | 162 |
| 100 | 65 | 39 | 109 | 35 | 70 | 55 | 118 | 119 | 173 | 199 | 6 | 4 | 5 | 198 | 210 |
| 125 | 70 | 19 | 159 | 35 | 70 | 68 | 155 | 144 | 223 | 249 | 8 | 4 | 7 | 248 | 260 |



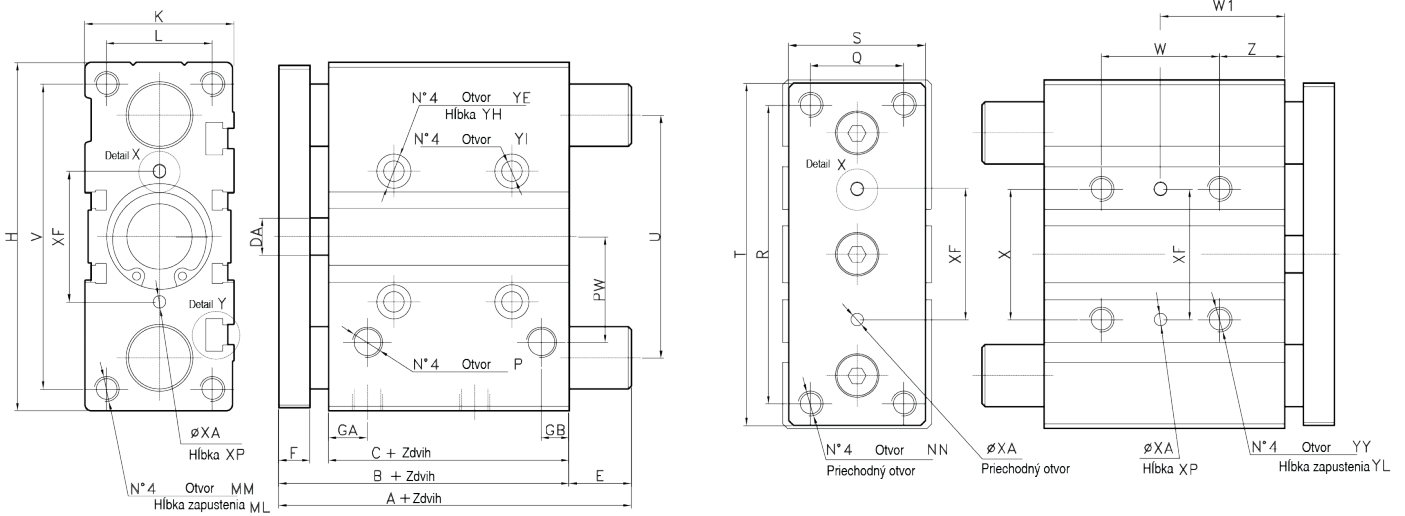
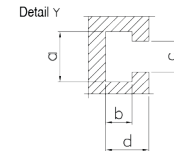
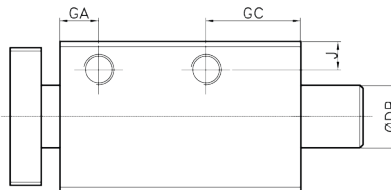
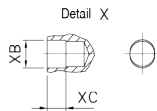
| Zdvih [mm] | F | FF | G | GA | H | HA | I | J | K | KA | M | N | NA | NN | Z | ZZ |
|------------|----|----|----|-----|----|----|----|-----|-----|-----|-----|---|----|----|-------|-----|
| 10 | 50 | 40 | 15 | 25 | 45 | 35 | 10 | 44 | 31 | - | 83 | 4 | 2 | 2 | 81,5 | 97 |
| 20 | 50 | 40 | 15 | 25 | 45 | 35 | 10 | 44 | 41 | - | 83 | 4 | 2 | 2 | 81,5 | 97 |
| 30 | 50 | 40 | 15 | 25 | 45 | 35 | 10 | 44 | 51 | - | 83 | 4 | 2 | 2 | 81,5 | 97 |
| 40 | 60 | 50 | 15 | 35 | 55 | 35 | 10 | 54 | 61 | - | 93 | 4 | 2 | 2 | 91,5 | 107 |
| 50 | 35 | 35 | 15 | 50 | 35 | 35 | 10 | 69 | 71 | - | 108 | 6 | 2 | 3 | 106,5 | 122 |
| 75 | 60 | 60 | 19 | 54 | 35 | 70 | 10 | 108 | 96 | - | 147 | 6 | 2 | 4 | 145,5 | 161 |
| 100 | 70 | 70 | 37 | 107 | 35 | 70 | 58 | 113 | 121 | 169 | 200 | 6 | 4 | 5 | 198,5 | 214 |
| 125 | 70 | 70 | 41 | 155 | 38 | 76 | 70 | 155 | 146 | 223 | 254 | 8 | 4 | 6 | 252,5 | 268 |
| 150 | 80 | 80 | 19 | 195 | 44 | 88 | 87 | 190 | 171 | 275 | 306 | 8 | 4 | 7 | 304,5 | 320 |



| Zdvih [mm] | F | FF | G | GA | H | HA | I | J | K | KA | M | N | NA | NN | Z | ZZ |
|------------|----|----|----|-----|----|----|----|-----|-----|-----|-----|---|----|----|-------|-----|
| 10 | 50 | 40 | 22 | 22 | 45 | 45 | 12 | 47 | 35 | - | 92 | 4 | 2 | 2 | 90,5 | 108 |
| 20 | 50 | 40 | 22 | 22 | 45 | 45 | 12 | 47 | 45 | - | 92 | 4 | 2 | 2 | 90,5 | 108 |
| 30 | 50 | 40 | 22 | 22 | 45 | 45 | 12 | 47 | 55 | - | 92 | 4 | 2 | 2 | 90,5 | 108 |
| 40 | 60 | 50 | 22 | 22 | 55 | 55 | 12 | 57 | 65 | - | 102 | 4 | 2 | 2 | 100,5 | 118 |
| 50 | 35 | 35 | 20 | 55 | 35 | 35 | 12 | 70 | 75 | - | 115 | 6 | 2 | 3 | 113,5 | 131 |
| 75 | 60 | 60 | 26 | 61 | 35 | 70 | 33 | 90 | 100 | - | 156 | 6 | 2 | 4 | 154,5 | 172 |
| 100 | 70 | 70 | 32 | 102 | 35 | 70 | 50 | 114 | 125 | 162 | 197 | 6 | 4 | 5 | 195,5 | 213 |
| 125 | 75 | 75 | 40 | 154 | 38 | 76 | 67 | 155 | 150 | 218 | 255 | 8 | 4 | 6 | 253,5 | 271 |
| 150 | 80 | 80 | 30 | 190 | 40 | 80 | 82 | 180 | 175 | 258 | 295 | 8 | 4 | 7 | 293,5 | 311 |



Ø12 - Ø 63 mm



| Ø [mm] | B | C | DA | F | GA | GB | GC | H | J | K | L | MM | ML | NN | P | PW | Q | R | S |
|--------|------|------|-----|----|------|------|------|-----|-----|----|----|-----|----|-----|------|------|-----|------|------|
| Ø 12 | 42 | 29 | 6 | 7 | 10 | 7 | 18 | 58 | 5 | 26 | 18 | M4 | 10 | M4 | M5 | 18 | 14 | 48 | 22 |
| Ø 16 | 46 | 33 | 8 | 8 | 11 | 8 | 18 | 64 | 5 | 30 | 22 | M5 | 12 | M5 | M5 | 19 | 16 | 54 | 25 |
| Ø 20 | 53 | 37 | 10 | 10 | 10,5 | 8,5 | 24,5 | 83 | 6,5 | 36 | 24 | M5 | 13 | M5 | G1/8 | 25 | 18 | 70 | 30 |
| Ø 25 | 53,3 | 37,5 | 10 | 10 | 11,5 | 9 | 25 | 93 | 7,5 | 42 | 30 | M6 | 15 | M6 | G1/8 | 28,5 | 26 | 78 | 38 |
| Ø 32 | 59,5 | 37,5 | 12 | 12 | 12,5 | 9 | 30,5 | 112 | 9 | 48 | 34 | M8 | 20 | M8 | G1/8 | 34 | 30 | 96 | 44 |
| Ø 40 | 66 | 44 | 12 | 12 | 14 | 10 | 31 | 120 | 9 | 54 | 40 | M8 | 20 | M8 | G1/8 | 38 | 30 | 104 | 44 |
| Ø 50 | 72 | 44 | 16 | 16 | 14 | 11 | 35 | 148 | 9,5 | 64 | 46 | M10 | 22 | M10 | G1/4 | 47 | 40 | 130 | 60 |
| Ø 63 | 77 | 49 | 16 | 16 | 16,5 | 13,5 | 35 | 162 | 11 | 78 | 58 | M10 | 22 | M10 | G1/4 | 55 | 50 | 130 | 70 |
| Ø [mm] | T | U | V | X | YY | YL | YE | YH | YI | Z | XF | XA | XP | XB | XC | a | b | c | d |
| Ø 12 | 56 | 41 | 50 | 23 | M4 | 10 | 8 | 4,5 | 4,3 | 5 | 23 | 3 | 6 | 3,5 | 3 | 7,4 | 3,7 | 4,4 | 6,2 |
| Ø 16 | 62 | 46 | 56 | 24 | M5 | 10 | 8 | 4,5 | 4,3 | 5 | 24 | 3 | 6 | 3,5 | 3 | 7,4 | 3,7 | 4,4 | 6,2 |
| Ø 20 | 81 | 54 | 72 | 28 | M6 | 12 | 9,5 | 5,5 | 5,6 | 17 | 28 | 3 | 6 | 3,5 | 3 | 8,4 | 4,5 | 5,5 | 7,3 |
| Ø 25 | 91 | 64 | 82 | 34 | M6 | 12 | 9,5 | 5,5 | 5,6 | 17 | 34 | 4 | 6 | 4,5 | 3 | 8,4 | 4,5 | 5,5 | 7,5 |
| Ø 32 | 110 | 78 | 98 | 42 | M8 | 16 | 11 | 7,5 | 6,6 | 21 | 42 | 4 | 6 | 4,5 | 3 | 10,5 | 5,5 | 6,5 | 9,0 |
| Ø 40 | 118 | 86 | 106 | 50 | M8 | 16 | 11 | 7,5 | 6,6 | 22 | 50 | 4 | 6 | 4,5 | 3 | 10,5 | 5,5 | 6,5 | 9,0 |
| Ø 50 | 146 | 110 | 130 | 66 | M10 | 20 | 14 | 9 | 8,6 | 24 | 66 | 5 | 8 | 6,0 | 4 | 13,5 | 7,5 | 8,5 | 12,0 |
| Ø 63 | 158 | 124 | 142 | 80 | M10 | 20 | 14 | 9 | 8,6 | 24 | 80 | 5 | 8 | 6,0 | 4 | 17,8 | 10 | 11,0 | 16,5 |

(S klzným ložiskom)

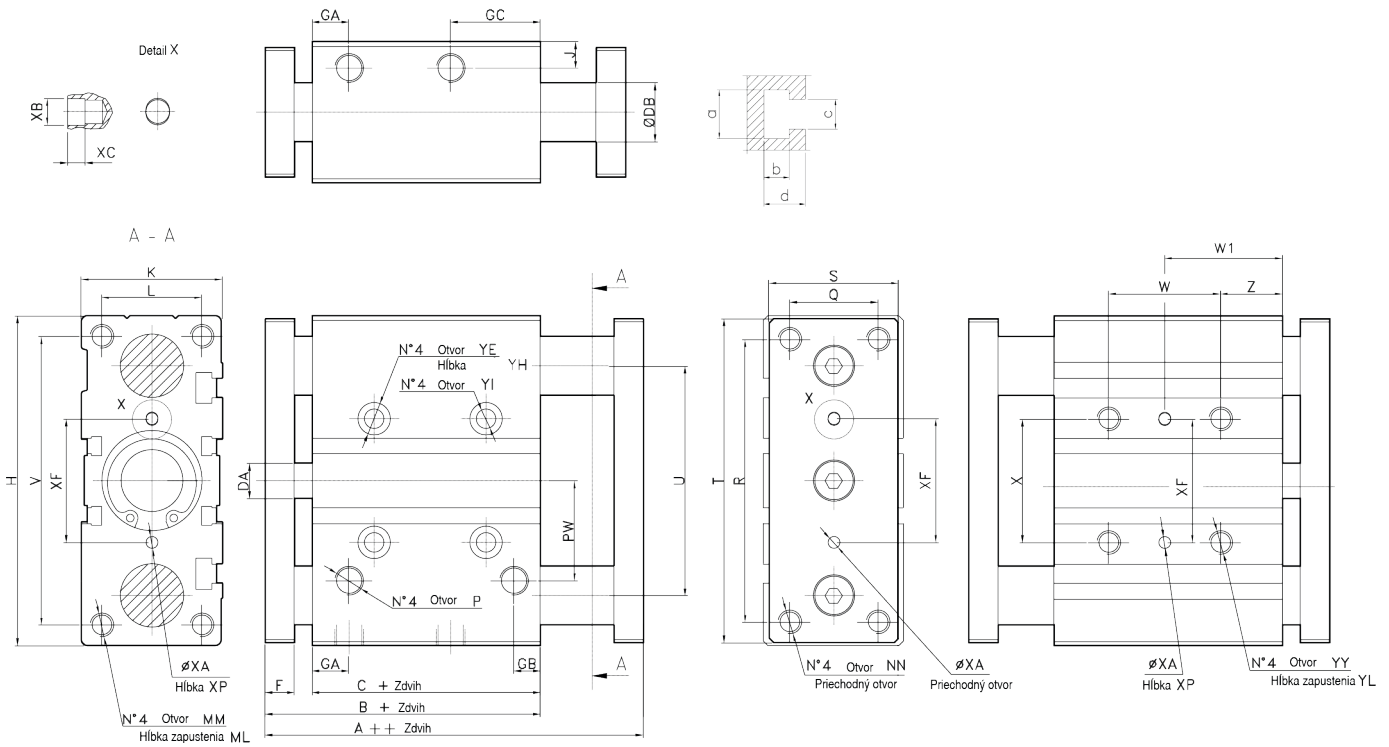
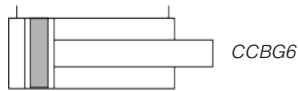
| Ø [mm] | A (zdvih) | | E (zdvih) | | DB |
|--------|------------------|------------------|-----------------|------------------|----|
| Ø12 | 42 (10 - 50) | 60,5 (75-100) | 0 (10-50) | 18,5 (75-100) | 8 |
| Ø16 | 46 (10-50) | 64,5 (75-100) | 0 (10-50) | 18,5 (75-100) | 10 |
| Ø20 | 53 (20-50) | 84,5 (75-200) | 0 (20-50) | 31,5 (75-200) | 12 |
| Ø25 | 53,5 (20-50) | 85 (75-200) | 0 (20-50) | 31,5 (75-200) | 16 |
| Ø32 | 97 (25-50) | 107 (75-200) | 37,5 (25-50) | 47,5 (75-200) | 20 |
| Ø40 | 97 (25-50) | 107 (75-200) | 31 (25-50) | 41 (75-200) | 20 |
| Ø50 | 106,5 (25-50) | 118 (75-200) | 34,5 (25-50) | 46 (75-200) | 25 |
| Ø63 | 106,5 (25-50) | 118 (75-200) | 29,9 (25-50) | 41 (75-200) | 25 |

(S guľôčkovým ložiskom)

| Ø [mm] | A (zdvih) | | E (zdvih) | | DB | | |
|--------|-----------------|------------------|-----------------|------------------|------------|----------------|----|
| Ø12 | 43 (10 - 30) | 55 (40-100) | 1 (10-30) | 13 (40-100) | 6 | | |
| Ø16 | 46 (10-30) | 66 (40-100) | 0 (10-30) | 20 (40-100) | 8 | | |
| Ø20 | 53 (20-30) | 85,5 (40-200) | 0 (20-30) | 32,5 (40-200) | 12 | | |
| Ø25 | 53,5 (20-30) | 86 (40-200) | 0 (20-30) | 32,5 (40-200) | 12 | | |
| Ø32 | 97 (25-50) | 107 (75-200) | 37,5 (25-50) | 47,5 (75-200) | 20 | | |
| Ø40 | 97 (25-50) | 107 (75-200) | 31 (25-50) | 41 (75-200) | 20 | | |
| Ø50 | 106,5 (25) | 114 (50) | 118 (75-200) | 34,5 (25) | 42 (50) | 46 (75-200) | 25 |
| Ø63 | 106,5 (25) | 114 (50) | 118 (75-200) | 29,5 (25) | 37 (50) | 41 (75-200) | 25 |

| Ø [mm] | W (zdvih) | | W1 (zdvih) | | | |
|--------|-----------------|----------------|------------------|----------------|----------------|-----------------|
| Ø12 | 20 (10 - 30) | 40 (40-100) | 15 (10-30) | 25 (40-100) | | |
| Ø16 | 24 (10-30) | 44 (40-100) | 17 (10-30) | 27 (40-100) | | |
| Ø20 | 24 (20-30) | 44 (40-100) | 120 (125-200) | 29 (20-30) | 39 (40-100) | 77 (125-200) |
| Ø25 | 24 (25) | 44 (40-100) | 120 (125-200) | 29 (20-30) | 39 (40-100) | 77 (125-200) |

| Ø [mm] | W (zdvih) | | W1 (zdvih) | | | |
|--------|---------------|----------------|------------------|------------|----------------|-----------------|
| Ø32 | 24 (25) | 48 (50-100) | 124 (125-200) | 33 (25) | 45 (50-100) | 83 (125-200) |
| Ø40 | 24 (25) | 48 (50-100) | 124 (125-200) | 34 (25) | 46 (50-100) | 84 (125-200) |
| Ø50 | 24 (25) | 48 (50-100) | 124 (125-200) | 36 (25) | 48 (50-100) | 86 (125-200) |
| Ø63 | 28 (25-50) | 52 (50-100) | 128 (125-200) | 38 (25) | 50 (50-100) | 88 (125-200) |



| Ø | A | B | C | DA | F | GA | GB | GC | H | J | K | L | MM | ML | NN | P | PW | Q | R |
|-----|------|------|------|----|----|------|------|------|-----|-----|----|----|-----|----|-----|------|------|----|-----|
| Ø16 | 59 | 46 | 33 | 8 | 8 | 11 | 8 | 18 | 64 | 5 | 30 | 22 | M5 | 12 | M5 | M5 | 19 | 16 | 54 |
| Ø20 | 69 | 53 | 37 | 10 | 10 | 10,5 | 8,5 | 24,5 | 83 | 6,5 | 36 | 24 | M5 | 13 | M5 | G1/8 | 25 | 18 | 70 |
| Ø25 | 69,5 | 53,5 | 37,5 | 10 | 10 | 11,5 | 9 | 25 | 93 | 7,5 | 42 | 30 | M6 | 15 | M6 | G1/8 | 28,5 | 26 | 78 |
| Ø32 | 81,5 | 59,5 | 37,5 | 12 | 12 | 12,5 | 9 | 30,5 | 112 | 9 | 48 | 34 | M8 | 20 | M8 | G1/8 | 34 | 30 | 96 |
| Ø40 | 88 | 66 | 44 | 12 | 12 | 14 | 10 | 21 | 120 | 9 | 54 | 40 | M8 | 20 | M8 | G1/8 | 38 | 30 | 104 |
| Ø50 | 100 | 72 | 44 | 16 | 16 | 14 | 11 | 35 | 148 | 9,5 | 64 | 46 | M10 | 22 | M10 | G1/4 | 47 | 40 | 130 |
| Ø63 | 105 | 77 | 49 | 16 | 16 | 16,5 | 13,5 | 35 | 162 | 11 | 78 | 58 | M10 | 22 | M10 | G1/4 | 55 | 50 | 130 |

| Ø | S | T | U | V | X | XF | XA | XP | XB | XC | YY | YL | YE | YH | YI | Z | a | b | c | d |
|-----|----|-----|-----|-----|----|----|----|----|-----|----|-----|----|-----|-----|-----|----|------|-----|-----|------|
| Ø16 | 25 | 62 | 46 | 56 | 24 | 24 | 3 | 6 | 3,5 | 3 | M5 | 10 | 8 | 4,5 | 4,3 | 5 | 7,4 | 3,7 | 4,4 | 6,2 |
| Ø20 | 30 | 81 | 54 | 72 | 28 | 28 | 3 | 6 | 3,5 | 3 | M6 | 12 | 9,5 | 5,5 | 5,6 | 17 | 8,4 | 4,5 | 5,5 | 7,3 |
| Ø25 | 38 | 91 | 64 | 82 | 34 | 34 | 4 | 6 | 4,5 | 3 | M6 | 12 | 9,5 | 5,5 | 5,6 | 17 | 8,4 | 4,5 | 5,5 | 7,5 |
| Ø32 | 44 | 110 | 78 | 98 | 42 | 42 | 4 | 6 | 4,5 | 3 | M8 | 16 | 11 | 7,5 | 6,6 | 21 | 10,5 | 5,5 | 6,5 | 9 |
| Ø40 | 44 | 118 | 86 | 106 | 50 | 50 | 4 | 6 | 4,5 | 3 | M8 | 16 | 11 | 7,5 | 6,6 | 22 | 10,5 | 5,5 | 6,5 | 9 |
| Ø50 | 60 | 146 | 110 | 130 | 66 | 66 | 5 | 8 | 6 | 4 | M10 | 20 | 14 | 9 | 8,6 | 22 | 13,5 | 7,5 | 8,5 | 12 |
| Ø63 | 70 | 158 | 124 | 142 | 80 | 80 | 5 | 8 | 6 | 4 | M10 | 20 | 14 | 9 | 8,6 | 24 | 17,8 | 10 | 11 | 16,5 |

(S klzným ložiskom)

(S guľôčkovým ložiskom)

| Ø [mm] | DB | Ø [mm] | DB |
|--------|----|--------|----|
| Ø16 | 10 | Ø16 | 8 |
| Ø20 | 12 | Ø20 | 12 |
| Ø25 | 16 | Ø25 | 12 |
| Ø32 | 20 | Ø32 | 20 |
| Ø40 | 20 | Ø40 | 20 |
| Ø50 | 25 | Ø50 | 25 |
| Ø63 | 25 | Ø63 | 25 |

| Ø [mm] | W (zdvih) | | W1 (zdvih) | | | |
|--------|-----------------|----------------|------------------|----------------|-----------------|-----------------|
| Ø16 | 24 (10 - 30) | 44 (40-100) | 17 (10-30) | 27 (40-100) | | |
| Ø20 | 24 (20-30) | 44 (40-100) | 29 (20-30) | 39 (40-100) | 77 (125-200) | |
| Ø25 | 24 (20-30) | 44 (40-100) | 120 (125-200) | 29 (20-30) | 39 (40-100) | 77 (125-200) |
| Ø32 | 24 (25) | 48 (40-100) | 120 (125-200) | 33 (25) | 45 (50-100) | 83 (125-200) |
| Ø40 | 24 (25) | 48 (50-100) | 124 (125-200) | 34 (25) | 46 (50-100) | 84 (125-200) |
| Ø50 | 24 (25) | 48 (50-100) | 124 (125-200) | 36 (25) | 48 (50-100) | 86 (125-200) |
| Ø60 | 28 (25) | 52 (50-100) | 128 (125-200) | 38 (25) | 50 (50-100) | 88 (125-200) |



Normalizované valce | ISO 15552

Normalizované valce | ISO 15552

strana 86

Všeobecný opis

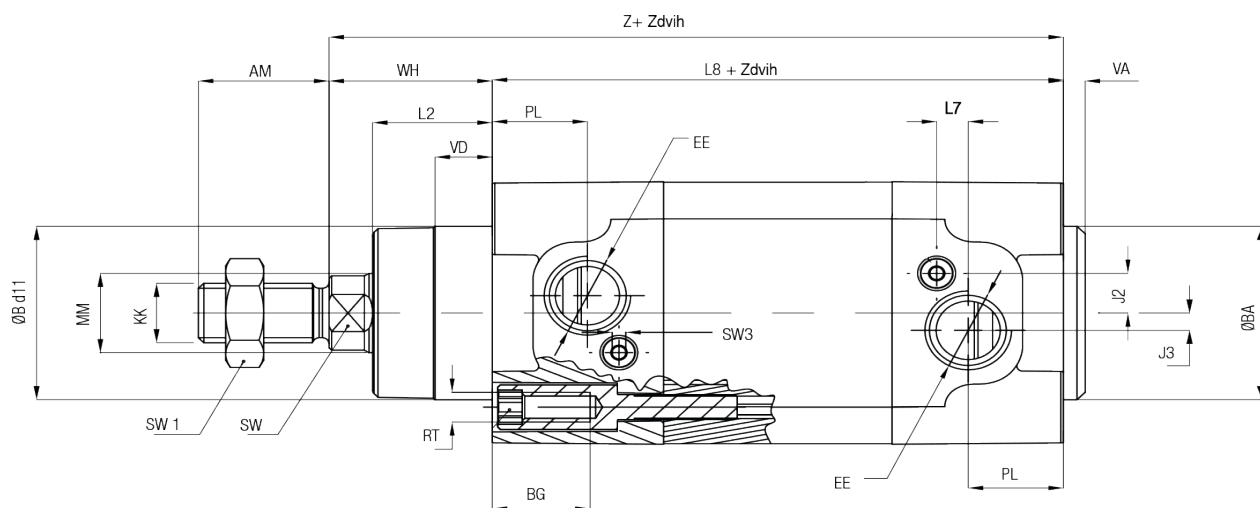
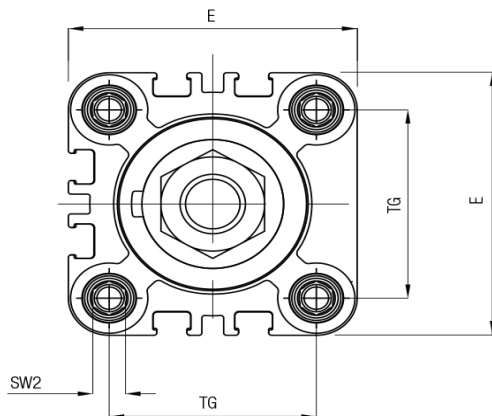
| | |
|------------------|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C 0°C ... +150°C v prípade FPM tesnenia |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |

Použitý materiál

| | |
|----------------|--|
| Teleso valca | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok |
| Piest | hliník |
| Piestnica | tvrd chrómovaná oceľ |
| Vodiace puzdro | sturovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| | | | | | | |
|----------|----------|----------|----------|----------------|---|-----------------|
| H | I | F | V | 32 / | 80 | Ex |
| | | | | PRIEMER | ZDVIH | MOŽNOSTI |
| | | | | 32* | 25 320 | II 2GD c T4 |
| | | | | 40* | 40 400 | |
| | | | | 50* | 50 500 | |
| | | | | 63* | 80 600 | |
| | | | | 80 | 100 700 | |
| | | | | 100 | 125 800 | |
| | | | | 125 | 160 900 | |
| | | | | | 200 1000 | |
| | | | | | 250 | |
| | | | | VERZIE | | |
| | | | | PRÁZDNE | Štandardné tesnenie | |
| | | | | R | Piestnica z nehrdzavejúcej ocele (v prípade valcov HEF nedostupná) | |
| | | | | K | FPM tesnenie stierača (v prípade valcov HEF nedostupné) | |
| | | | | RK | Piestnica z nehrdzavejúcej ocele, FPM tesnenie stierača (v prípade valcov HEF nedostupná) | |
| | | | | V | FPM tesnenie (v prípade valcov HEF nedostupné) | |
| | | | | RV | Piestnica z nehrdzavejúcej ocele, FPM tesnenie (v prípade valcov HEF nedostupná) | |
| | | | | VERZIE | | |
| | | | | E | Jednočinný valec (max. zdvih: 100 mm) | |
| | | | | I | Dvojčinný valec | |
| | | | | B | Dvojčinný valec, priebežná piestnica | |

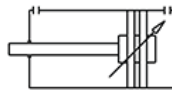
* Na požiadanie dostupné aj v prevedení s dutou tyčou na vákuum



| Ø [mm] | ØB d11 | VD | VA | L2 | WH | MM | SW | KK | AM | SW1 | Z |
|--------|--------|------|----|----|------|----|----|----------|----|-----|-------|
| Ø32 | 30 | 10 | 4 | 20 | 26 | 12 | 10 | M10x1,25 | 22 | 17 | 145 |
| Ø40 | 35 | 10,5 | 4 | 22 | 30 | 16 | 13 | M12x1,25 | 24 | 19 | 160 |
| Ø50 | 40 | 11,5 | 4 | 28 | 37 | 20 | 17 | M16x1,5 | 32 | 22 | 168 |
| Ø63 | 45 | 15 | 4 | 29 | 37 | 20 | 17 | M16x1,5 | 32 | 22 | 183 |
| Ø80 | 45 | 15,7 | 4 | 35 | 46 | 25 | 22 | M20x1,5 | 40 | 30 | 199 |
| Ø100 | 55 | 19,2 | 4 | 38 | 51,5 | 25 | 22 | M20x1,5 | 40 | 30 | 214,5 |

| Ø [mm] | L8 | BG | RT | SW2 | E | TG | EE | PL | J3 | J2 | L7 | SW3 |
|--------|-----|----|-----|-----|-----|------|------|------|-----|------|-----|-----|
| Ø32 | 119 | 18 | M6 | 6 | 46 | 32,5 | G1/8 | 18 | 4 | 6,5 | 2 | 2,5 |
| Ø40 | 130 | 18 | M6 | 6 | 54 | 38 | G1/4 | 17,5 | 3,5 | 8 | 5,8 | 2,5 |
| Ø50 | 131 | 20 | M8 | 8 | 64 | 46,5 | G1/4 | 20,5 | 7 | 10 | 2 | 4 |
| Ø63 | 146 | 20 | M8 | 8 | 74 | 56,5 | G3/8 | 22 | 8 | 8,5 | 4 | 4 |
| Ø80 | 153 | 19 | M10 | 6 | 94 | 72 | G3/8 | 22 | 11 | 8,5 | 4 | 4 |
| Ø100 | 163 | 19 | M10 | 6 | 111 | 89 | G1/2 | 26 | 9 | 12,5 | 5 | 4 |

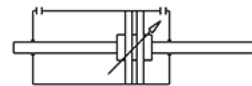
HIF/HIFO/HBF



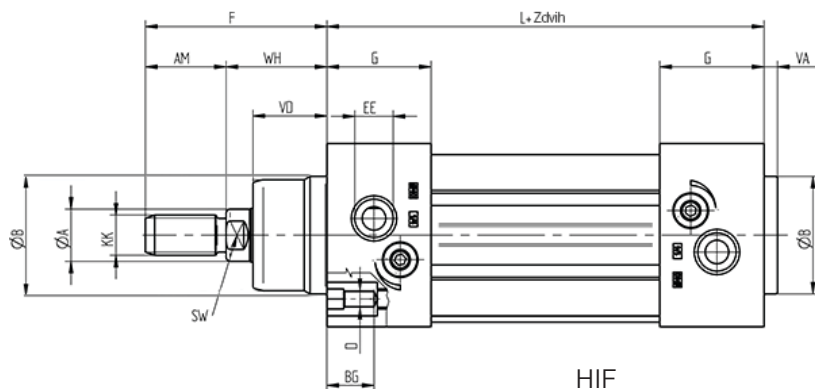
HIF



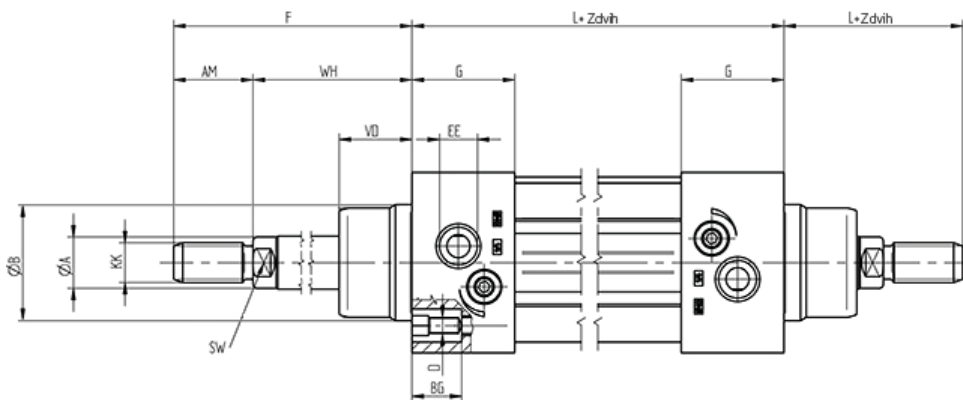
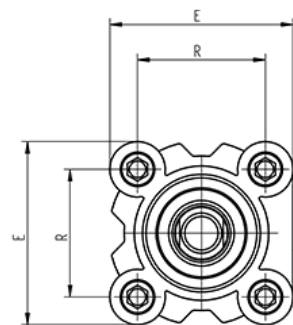
HIFO



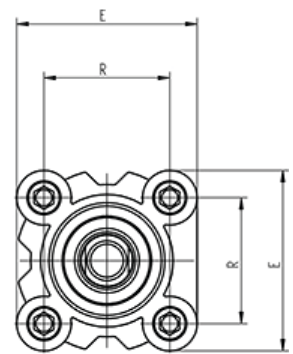
HBF



HIF



HBF

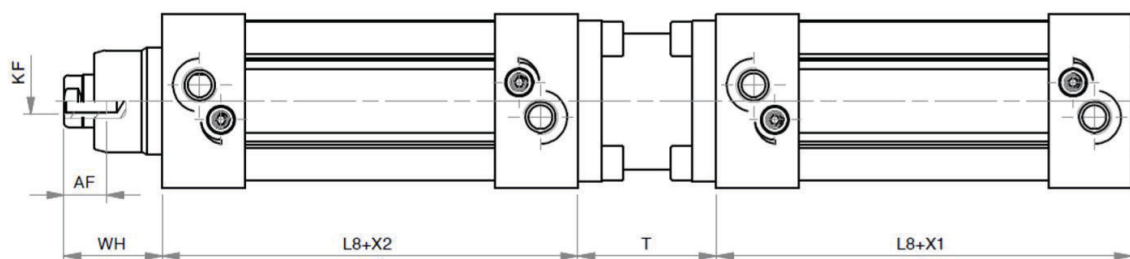
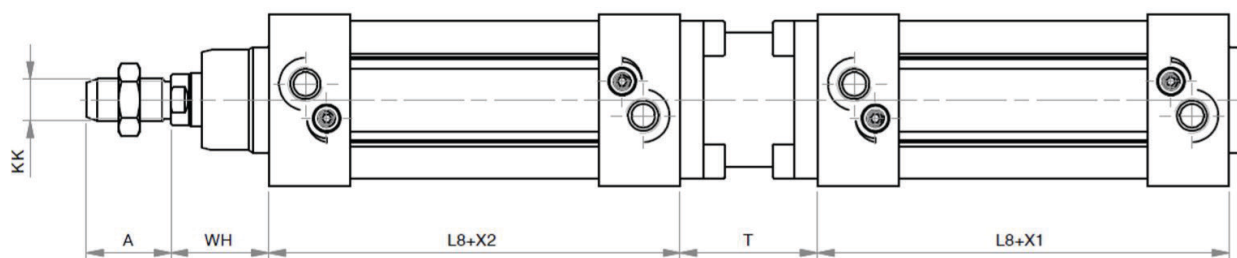
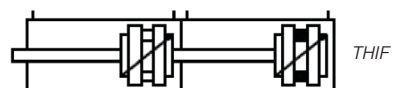
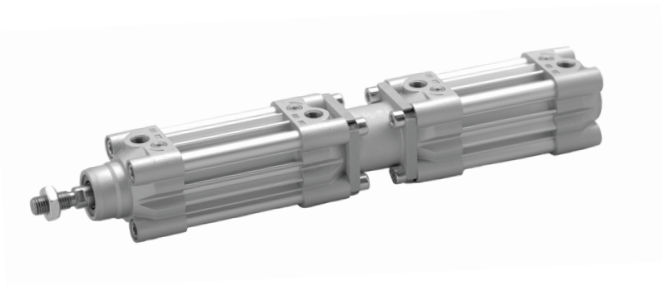


| Ø [mm] | A | B | D | E | F | G | L | R | AM | BG | EE | KK | SW | VA | VD | WH |
|--------|----|----|-----|------|-----|------|-----|------|----|----|------|----------|----|----|------|----|
| Ø32 | 12 | 30 | M6 | 47 | 48 | 26,5 | 94 | 32,5 | 22 | 16 | G1/8 | M10x1,25 | 10 | 4 | 18 | 26 |
| Ø40 | 16 | 35 | M6 | 54,5 | 54 | 31 | 105 | 38 | 24 | 16 | G1/4 | M12x1,25 | 13 | 4 | 22 | 30 |
| Ø50 | 20 | 40 | M8 | 65 | 69 | 31 | 106 | 46,5 | 32 | 16 | G1/4 | M16x1,5 | 17 | 4 | 25,5 | 37 |
| Ø63 | 20 | 45 | M8 | 75 | 69 | 33,5 | 121 | 56,5 | 32 | 16 | G3/8 | M16x1,5 | 17 | 4 | 26 | 37 |
| Ø80 | 25 | 45 | M10 | 93 | 86 | 40 | 128 | 72 | 40 | 17 | G3/8 | M20x1,5 | 22 | 4 | 32 | 46 |
| Ø100 | 25 | 55 | M10 | 110 | 91 | 40,5 | 138 | 89 | 40 | 17 | G1/2 | M20x1,5 | 22 | 4 | 38 | 51 |
| Ø125 | 32 | 60 | M12 | 134 | 119 | 47 | 160 | 110 | 54 | 20 | G1/2 | M27x2 | 27 | 6 | 46 | 65 |

| Všeobecný opis | |
|--|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. | |

| Použitý materiál | |
|------------------|----------------------------|
| Teleso valca | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok |
| Piest | hliník |
| Piestnica | tvrdochrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR |

| T H I F | | | | 32 / 2 X | | 80 Ex | |
|------------------------------------|--|------|--|----------|--------------|-------|-------------|
| VERZIE | | | | PRIEMER | POČET VALCOV | ZDVIH | MOŽNOSTI |
| T Dvojčinný tandemový valec | | | | 32 | 2 | 25 | II 2GD c T4 |
| | | | | 40 | 3 | 40 | |
| | | | | 50 | 4 | 50 | |
| | | | | 63 | | 80 | |
| | | | | 80 | | 100 | |
| | | | | 100 | | 125 | |
| | | | | 125 | | 160 | |
| | | | | | | 200 | |
| | | | | | | 250 | |
| | | | | | | 320 | |
| | | 400 | | | | | |
| | | 500 | | | | | |
| | | 600 | | | | | |
| | | 700 | | | | | |
| | | 800 | | | | | |
| | | 900 | | | | | |
| | | 1000 | | | | | |



x1, x2: Zdvih

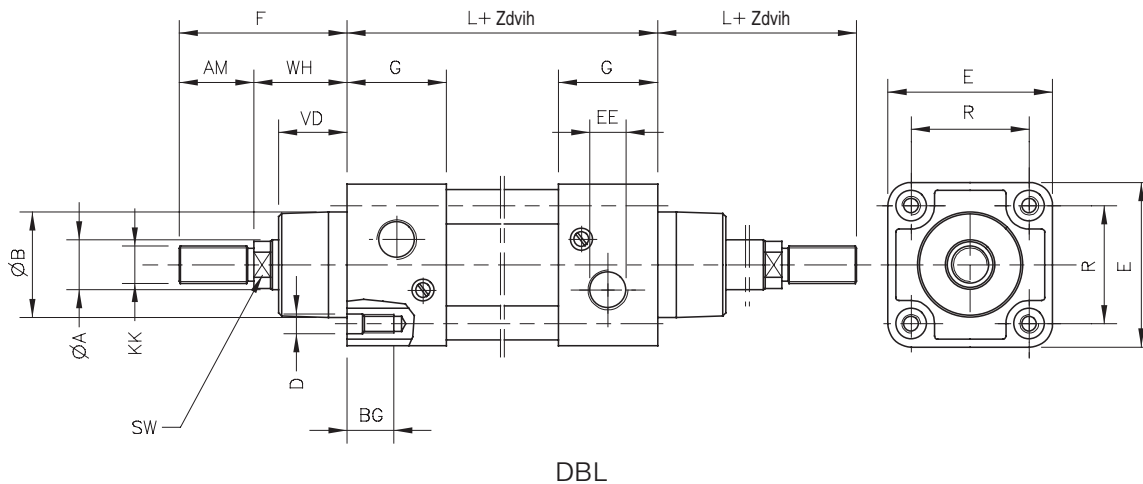
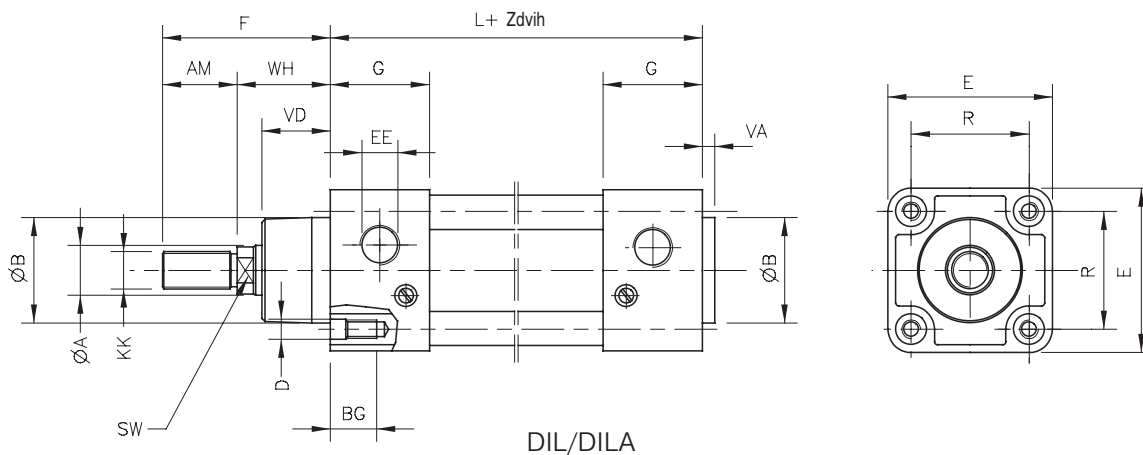
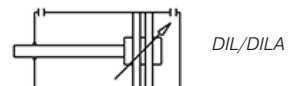
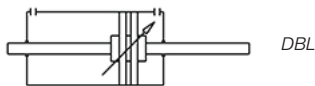
| Ø [mm] | A | AF | KF | KK | L8 | T | WH |
|--------|----|----|-----|----------|-----|----|----|
| Ø32 | 22 | 12 | M6 | M10x1,25 | 94 | 39 | 26 |
| Ø40 | 24 | 12 | M8 | M12x1,25 | 105 | 45 | 30 |
| Ø50 | 32 | 16 | M8 | M16x,15 | 106 | 52 | 37 |
| Ø63 | 32 | 16 | M10 | M16x1,5 | 121 | 53 | 37 |
| Ø80 | 40 | 20 | M10 | M20x1,5 | 128 | 65 | 46 |
| Ø100 | 40 | 20 | M12 | M20x1,5 | 138 | 77 | 51 |
| Ø125 | 54 | 32 | M16 | M27x2 | 160 | 93 | 65 |

| Všeobecný opis | |
|--|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C 0°C ... +150°C v prípade FPM tesnenia |
| Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. | |

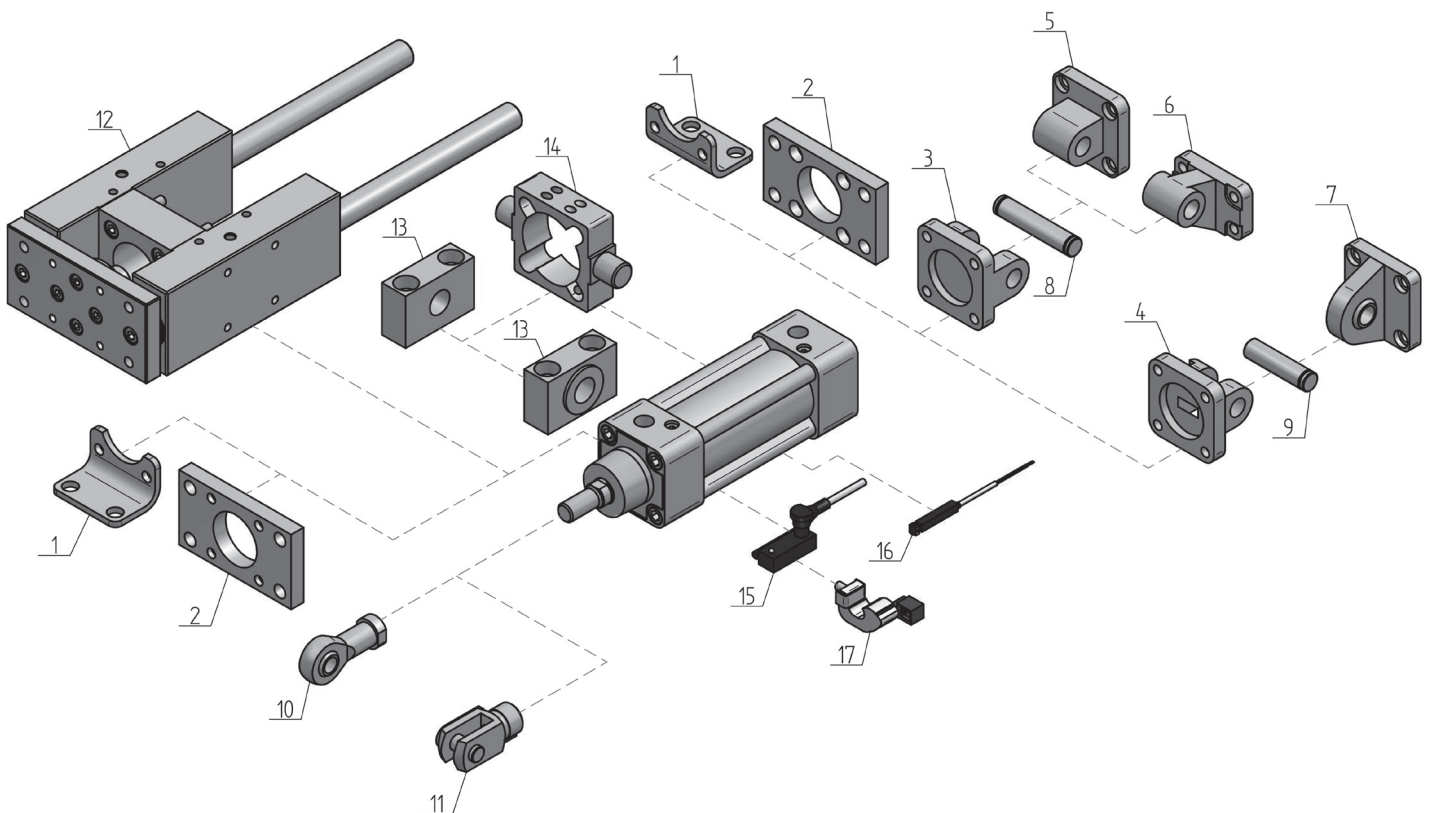
| Použitý materiál | DILA | DIL, DBL |
|------------------|----------------------------|----------------------------|
| Teleso valca | eloxovaný hliník | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok | hliníkový tlakový odliatok |
| Piest | hliník | technopolymér |
| Piestnica | tvrd chrómovaná oceľ | tvrd chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz | sintrovaný bronz |
| Tesnenia | polyuretán, NBR | polyuretán, NBR |

| D | I | L | V | 32 / 80 |
|---|---|---|---|----------------|
| | | | | PRIEMER |
| | | | | 32 |
| | | | | 40 |
| | | | | 50 |
| | | | | 63 |
| | | | | 80 |
| | | | | 100 |
| | | | | 125 |
| | | | | ZDVIH |
| | | | | 25 |
| | | | | 40 |
| | | | | 50 |
| | | | | 80 |
| | | | | 100 |
| | | | | 125 |
| | | | | 160 |
| | | | | 200 |
| | | | | 250 |
| | | | | 320 |
| | | | | 400 |
| | | | | 500 |
| | | | | 600 |
| | | | | 700 |
| | | | | 800 |
| | | | | 900 |
| | | | | 1000 |
| VERZIE | | | | |
| PRÁZDNE Štandardné tesnenie | | | | |
| A Hliníkový piest | | | | |
| R Piestnica z nehrdzavejúcej ocele | | | | |
| V FPM tesnenie | | | | |
| VERZIE | | | | |
| I Dvojčinný valec | | | | |
| B Dvojčinný valec, priebežná piestnica | | | | |

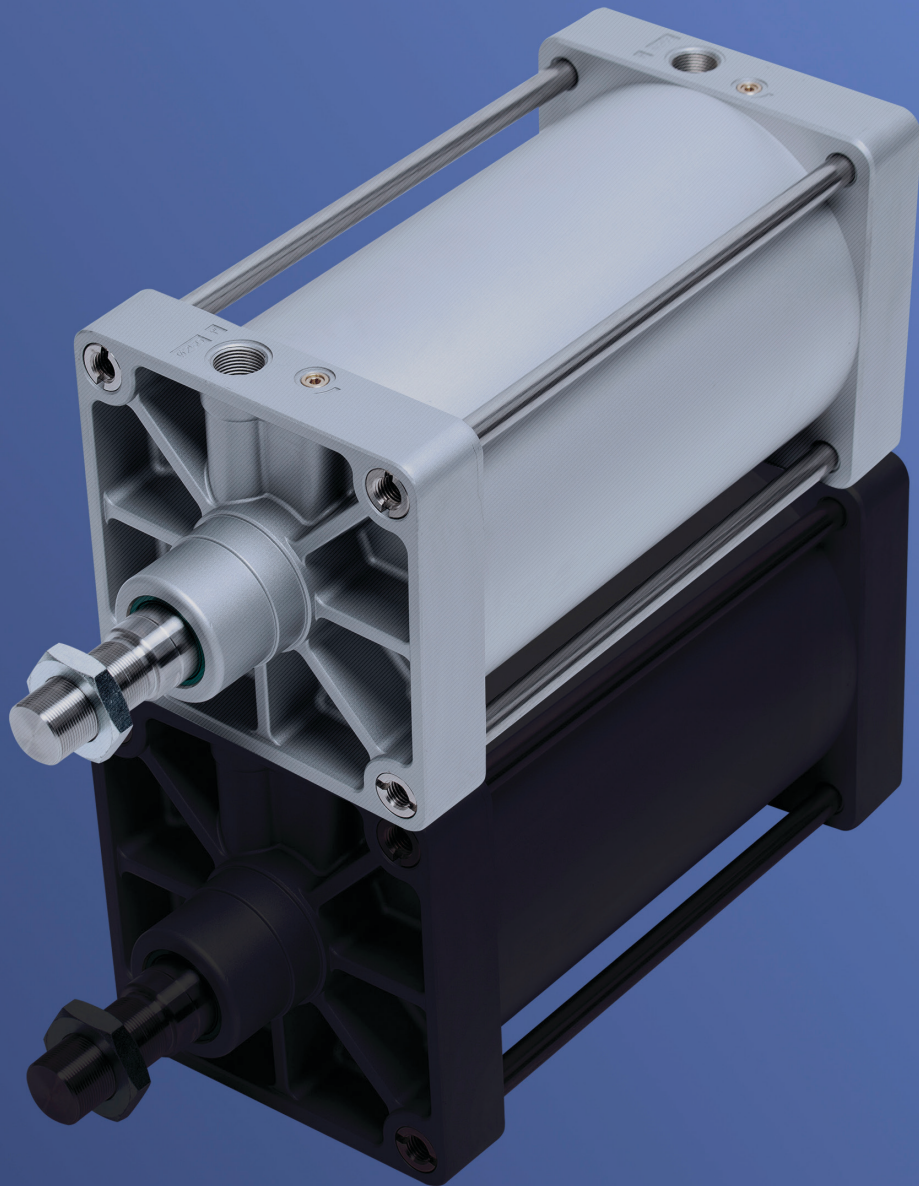
DIL/DILA/DBL



| Ø [mm] | A | B | D | E | F | G | L | R | AM | BG | EE | KK | SW | VA | VD | WH |
|--------|----|----|-----|-----|-----|------|-----|------|----|----|------|----------|----|----|----|----|
| Ø32 | 12 | 30 | M6 | 47 | 48 | 28 | 94 | 32,5 | 22 | 16 | G1/8 | M10x1,25 | 10 | 4 | 20 | 26 |
| Ø40 | 16 | 35 | M6 | 53 | 54 | 31,5 | 105 | 38 | 24 | 16 | G1/4 | M10x1,25 | 13 | 4 | 22 | 30 |
| Ø50 | 20 | 40 | M8 | 65 | 69 | 31,5 | 106 | 46,5 | 32 | 16 | G1/4 | M16x1,5 | 16 | 4 | 28 | 37 |
| Ø63 | 20 | 45 | M8 | 75 | 69 | 35 | 121 | 56,5 | 32 | 16 | G3/8 | M16x1,5 | 16 | 4 | 28 | 37 |
| Ø80 | 25 | 45 | M10 | 95 | 86 | 36 | 128 | 72 | 40 | 16 | G3/8 | M20x1,5 | 21 | 4 | 34 | 46 |
| Ø100 | 25 | 55 | M10 | 115 | 91 | 41 | 138 | 89 | 40 | 16 | G1/2 | M20x1,5 | 21 | 4 | 38 | 51 |
| Ø125 | 32 | 60 | M12 | 140 | 119 | 45 | 160 | 110 | 54 | 20 | G1/2 | M27x2 | 27 | 5 | 50 | 65 |



| Označenie | Typ | Pomenovanie | Strana |
|-----------|--------------------|--|--------|
| 1 | DL | Pätkové upevnenie - rozmery upevnenia podľa ISO-VDMA | 141 |
| 2 | DF | Príruba - rozmery upevnenia podľa ISO-VDMA | 140 |
| 3 | DG | Vidlicová príruha - rozmery upevnenia podľa ISO-VDMA | 142 |
| 4 | DGS | Vidlicová príruha ku kĺbovej príruhe | 142 |
| 5 | DH | Príruba s okom - rozmery upevnenia podľa ISO-VDMA | 143 |
| 6 | DW | Príruba s okom (90°) - rozmery upevnenia podľa ISO-VDMA | 145 |
| 7 | DKL | Kĺbová príruha - rozmery upevnenia podľa ISO-VDMA | 145 |
| 8 | DC | Upínací kolík - rozmery upevnenia podľa ISO-VDMA | 146 |
| 9 | DCS | Upínací kolík k DGS príruhe - rozmery upevnenia podľa ISO- | 146 |
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| 12 | DHS/DHSL | Lineárne H vedenie | 155 |
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| 14 | DS (Pre DIL valce) | Výkyvné upevnenie | 144 |
| 14 | DP (Pre HIF valce) | Výkyvné upevnenie - Pre valce s plochým profilom | 144 |
| 15 | SM | Snímač - REED relé / jazýčkové relé | 150 |
| 16 | SKR/SKH | Snímač | 149 |
| 17 | DXS | Upevňovacia jednotka pre SKR/SKH snímač | 151 |



Svorníkové valce | ISO 15552

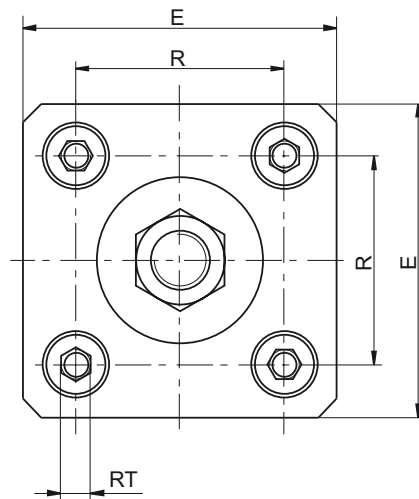
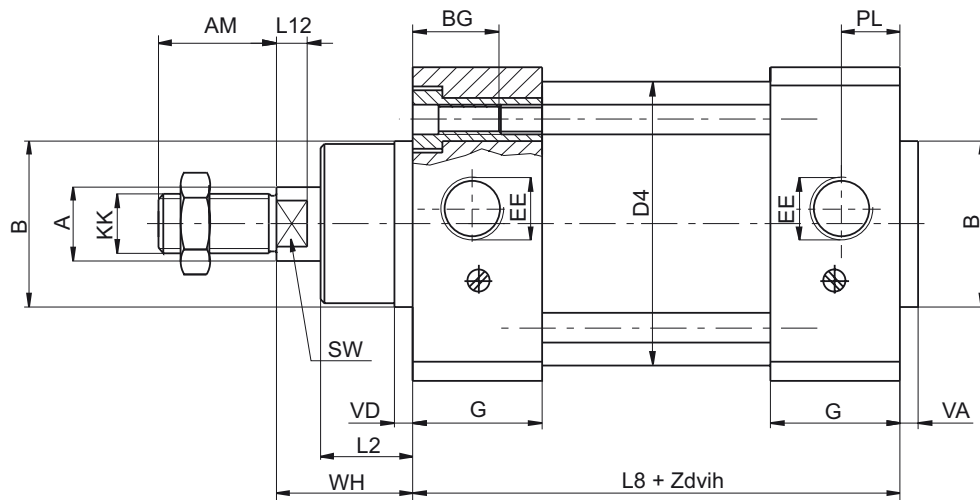
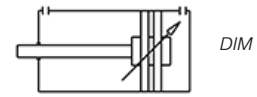
| Všeobecný opis | |
|--|--|
| Priemer piestu | Ø160 - Ø200 - Ø250 - Ø320 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. | |

| Použitý materiál | |
|------------------|--|
| Teleso valca | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ / tvrdo chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR |

| D | I | M | 160 | / | 200 |
|---|---|---|----------------|---|--------------|
| | | | PRIEMER | | ZDVIH |
| | | | 160 | | 25 |
| | | | 200 | | 50 |
| | | | 250 | | 80 |
| | | | 320 | | 100 |
| | | | | | 125 |
| | | | | | 160 |
| | | | | | 200 |
| | | | | | 250 |
| | | | | | 320 |
| | | | | | 400 |
| | | | | | 500 |
| | | | | | 600 |
| | | | | | 700 |
| | | | | | 800 |
| | | | | | 900 |
| | | | | | 1000 |

VERZIE

I Dvojčinný valec



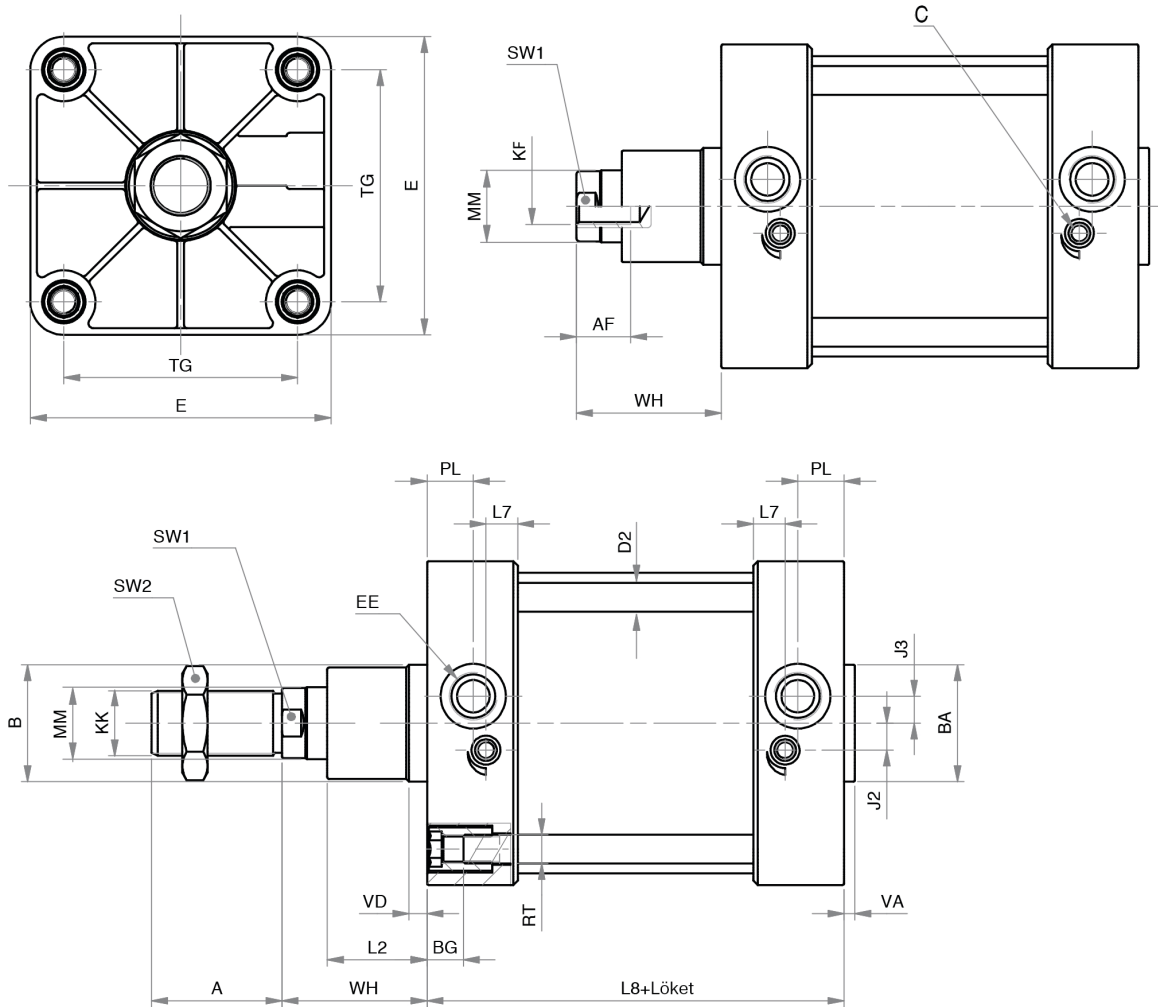
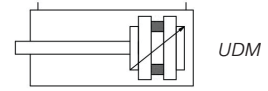
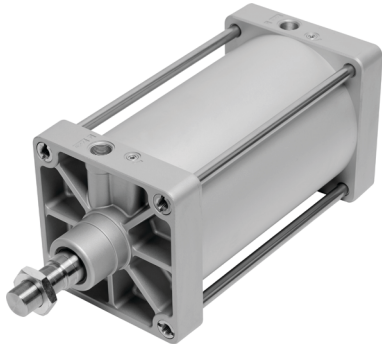
| Ø [mm] | A | AM | B | BG | D4 | E | EE | G | KK | L2 | L8 | L12 | PL | R | RT | SW | VA | VD | WH |
|--------|----|----|-----|----|-----|-----|------|----|-------|----|-----|-----|----|-----|-----|----|----|----|-----|
| Ø160 | 40 | 72 | 65 | 24 | 170 | 182 | G3/4 | 59 | M36x2 | 38 | 180 | 12 | 27 | 140 | M16 | 38 | 6 | 6 | 80 |
| Ø200 | 40 | 72 | 75 | 24 | 210 | 222 | G3/4 | 61 | M36x2 | 55 | 180 | 12 | 35 | 175 | M16 | 38 | 6 | 6 | 95 |
| Ø250 | 50 | 84 | 90 | 25 | 264 | 274 | G1 | 61 | M42x2 | 65 | 200 | 20 | 31 | 220 | M20 | 46 | 10 | 10 | 105 |
| Ø320 | 60 | 96 | 110 | 28 | 336 | 352 | G1 | 63 | M42x2 | 75 | 220 | 20 | 34 | 270 | M24 | 55 | 10 | 10 | 120 |

| Všeobecný opis | |
|--|---|
| Priemer piestu | Ø160 - Ø200 - Ø250 - Ø320 mm |
| Štandardný zdvih | 50 - 80 - 100 - 125 - 150 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C 0°C ... +150°C v prípade FPM tesnenia |
| Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. | |

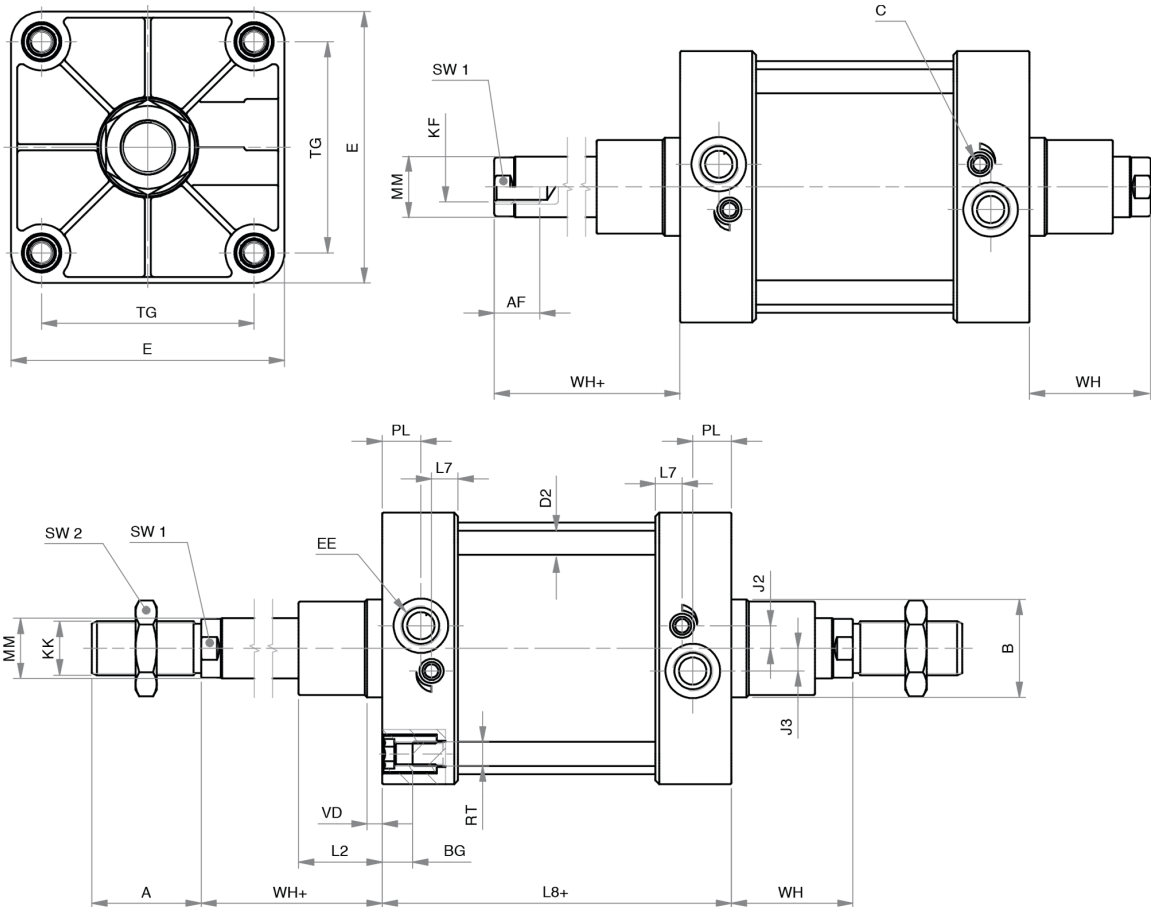
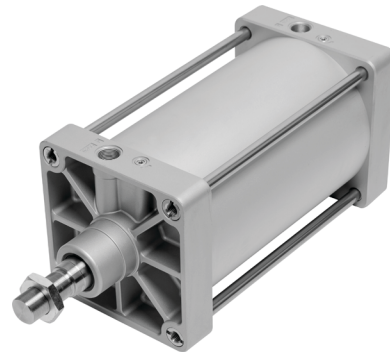
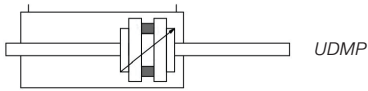
| Použitý materiál | |
|------------------|--|
| Teleso valca | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ |
| Vodiace puzdro | sintovaný bronz |
| Tesnenia | polyuretán, NBR/FPM (v závislosti od typu) |

| U | D | M | N | V | 160 / 200 | Ex |
|---|---|---|---|---|----------------|--|
| | | | | | PRIEMER | MOŽNOSTI |
| | | | | | 160 | Ex II 2GD c T4 |
| | | | | | 200 | |
| | | | | | 250 | |
| | | | | | 300 | |
| | | | | | | ZDVIH |
| | | | | | | 50 |
| | | | | | | 80 |
| | | | | | | 100 |
| | | | | | | 125 |
| | | | | | | 160 |
| | | | | | | 200 |
| | | | | | | 250 |
| | | | | | | 320 |
| | | | | | | 400 |
| | | | | | | 500 |
| | | | | | | 600 |
| | | | | | | 700 |
| | | | | | | 800 |
| | | | | | | 900 |
| | | | | | | 1000 |
| | | | | | | |
| | | | | | | VERZIE |
| | | | | | | PRÁZDNE Štandardné tesnenie |
| | | | | | | R Piestnica z nehrdzavejúcej ocele |
| | | | | | | K FPM tesnenie stierača |
| | | | | | | V FPM tesnenie stierača (dostupné do Ø250 mm) |
| | | | | | | P Prieběžná piestnica |
| | | | | | | VERZIE |
| | | | | | | PRÁZDNE Piestnica s vonkajším závitom |
| | | | | | | N Piestnica s vnútorným závitom |

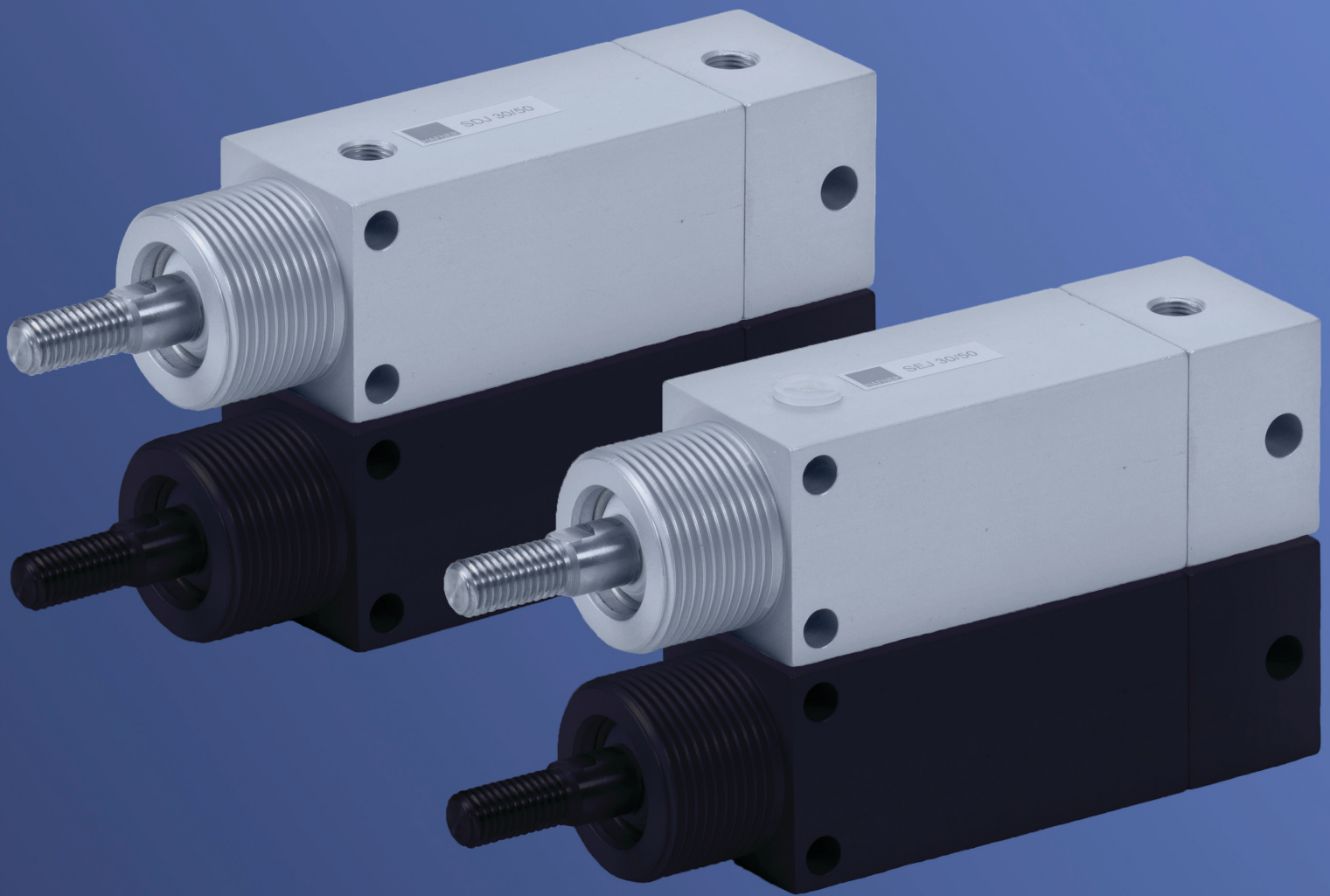
UDM



| Ø [mm] | A | AF | B | BA | BG | D2 | E | EE | J2 | J3 | KF | KK | L2 | L7 | L8+ | MM | PL | RT | SW1 | SW2 | TG | VA | VD | WH |
|--------|----|----|-----|-----|----|----|-----|------|----|----|-----|-------|----|------|-----|----|------|-----|-----|-----|-----|----|----|-----|
| Ø160 | 72 | 30 | 65 | 65 | 24 | 16 | 180 | G3/4 | 15 | 15 | M20 | M36x2 | 55 | 17,5 | 180 | 40 | 25,5 | M16 | 36 | 55 | 140 | 6 | 10 | 80 |
| Ø200 | 72 | 30 | 75 | 75 | 24 | 16 | 220 | G3/4 | 15 | 15 | M20 | M36x2 | 65 | 16 | 180 | 40 | 25,5 | M16 | 36 | 55 | 175 | 8 | 25 | 95 |
| Ø250 | 84 | 40 | 90 | 90 | 25 | 20 | 270 | G1 | 25 | 25 | M24 | M42x2 | 75 | 20 | 200 | 50 | 30 | M20 | 46 | 65 | 220 | 8 | 25 | 105 |
| Ø320 | 96 | 50 | 110 | 110 | 28 | 25 | 350 | G1 | 35 | 35 | M30 | M48x2 | 90 | 20 | 220 | 63 | 30 | M24 | 55 | 75 | 270 | 10 | 25 | 120 |



| Ø [mm] | A | AF | B | BG | D2 | E | EE | J2 | J3 | KF | KK | L2 | L7 | L8+ | MM | PL | RT | SW1 | SW2 | TG | VD | WH | WH+ |
|--------|----|----|-----|----|----|-----|------|----|----|-----|-------|----|------|-----|----|------|-----|-----|-----|-----|----|-----|-----|
| Ø160 | 72 | 30 | 65 | 24 | 16 | 180 | G3/4 | 15 | 15 | M20 | M36x2 | 55 | 17,5 | 180 | 40 | 25,5 | M16 | 36 | 55 | 140 | 10 | 80 | 80 |
| Ø200 | 72 | 30 | 75 | 24 | 16 | 220 | G3/4 | 15 | 15 | M20 | M36x2 | 65 | 16 | 180 | 40 | 25,5 | M16 | 36 | 55 | 175 | 25 | 95 | 95 |
| Ø250 | 84 | 40 | 90 | 25 | 20 | 270 | G1 | 25 | 25 | M24 | M42x2 | 75 | 20 | 200 | 50 | 30 | M20 | 46 | 65 | 220 | 25 | 105 | 105 |
| Ø320 | 96 | 50 | 110 | 28 | 25 | 350 | G1 | 35 | 35 | M30 | M48x2 | 90 | 20 | 220 | 63 | 30 | M24 | 55 | 75 | 270 | 25 | 120 | 120 |

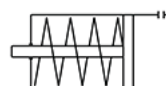
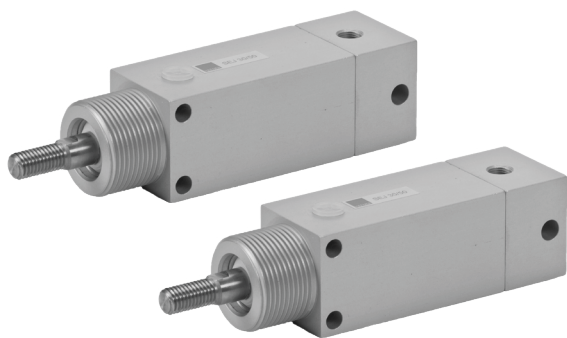


Prítlačné valce

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø20 - Ø30 - Ø40 mm |
| Štandardný zdvih | 10 - 20 - 30 - 50 - 75 - 100 - 125 - 150 mm |
| | Jednočinný |
| | Dvočinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 0,2 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Variácie | SEJ (jednočinný) SDJ (dvočinný) |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ |
| Vodiace puzdro | plast - Iglidur D |
| Tesnenia | NBR |

| | | | | | |
|---------------|---|---|----------------|------------------|--------------|
| S | E | J | 20 | / | 25 |
| | | | PRIEMER | | ZDVIH |
| | | | 20 | | 10 |
| | | | 30 | | 20 |
| | | | 40 | | 30 |
| | | | | | 50 |
| | | | | | 75 |
| | | | | | 100 |
| | | | | | 125 |
| | | | | | 150 |
| VERZIE | | | | | |
| | | | E | Jednočinný valec | |
| | | | D | Dvočinný valec | |

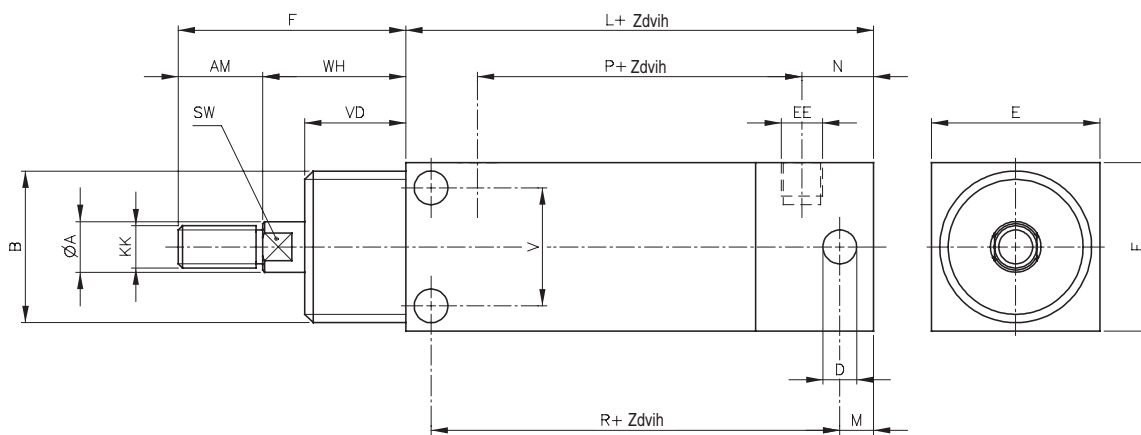
SEJ/SDJ



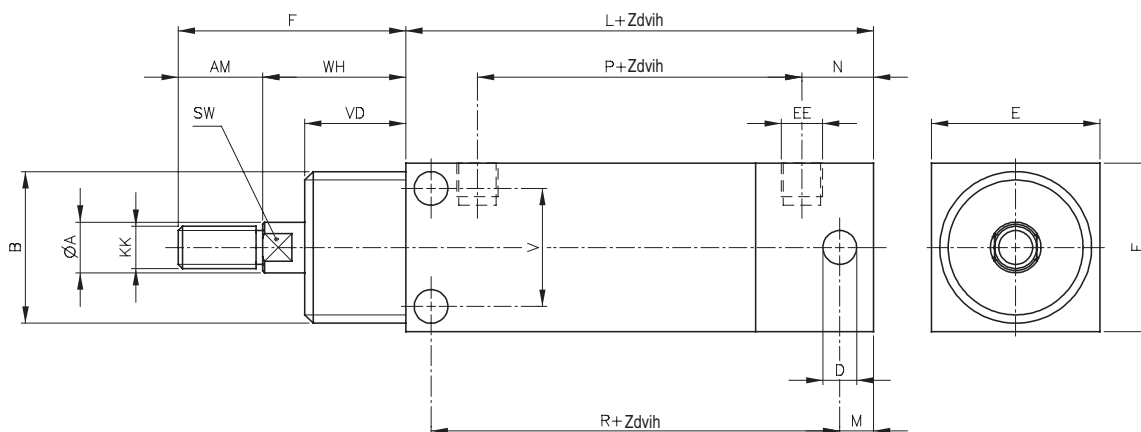
SEJ



SDJ



SEJ



SDJ

| Ø [mm] | A | B | D | E | F | L | M | N | P | R | V | AM | EE | KK | SW | VD | WH |
|--------|----|---------|---|----|------|------|----|------|----|----|----|----|------|-----|----|----|------|
| Ø 20 | 10 | M26x1,5 | - | 30 | 40 | 50 | 6 | 15 | 26 | - | - | 14 | G1/8 | M8 | 9 | 20 | 26 |
| Ø 30 | 12 | M36x2 | 7 | 40 | 54 | 61 | 8 | 17 | 27 | 47 | 28 | 20 | G1/8 | M10 | 10 | 24 | 34 |
| Ø 40 | 12 | M36x2 | 7 | 50 | 61,5 | 68,5 | 10 | 20,5 | 30 | 52 | 38 | 20 | G1/8 | M10 | 10 | 30 | 41,5 |



Tlmiče nárazov

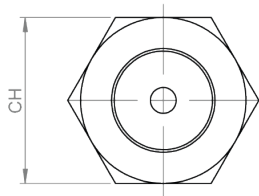
Tlmiče nárazov

strana 104

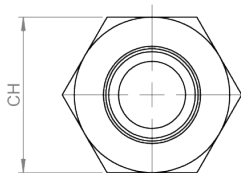
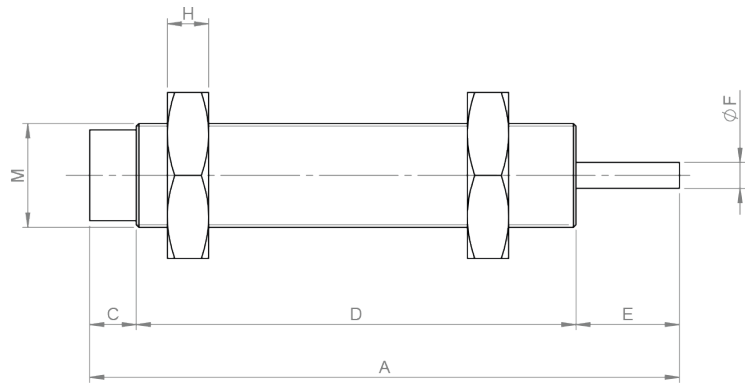
| Všeobecný opis | |
|------------------|--|
| Štandardný zdvih | 6 - 8 - 15 - 20 mm |
| Pracovné médium | stlačený vzduch |
| Teplota okolia | -10°C ... +70°C |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Variácie | SH, SH C |

| Použitý materiál | |
|------------------|--------------------|
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | hliník |
| Piestnica | nehrdzavejúca oceľ |
| Vodiace puzdro | plast - Iglidur D |
| Tesnenia | NBR |

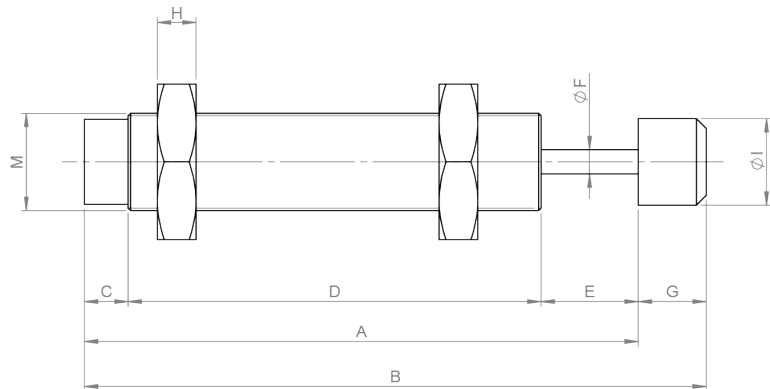
| | | | | | |
|---|---|----|---|----|--|
| S | H | 8 | / | 6 | C |
| | | 10 | / | 8 | MOŽNOSTI C Montované s viečkom |
| | | 14 | / | 15 | |
| | | 20 | / | 20 | |



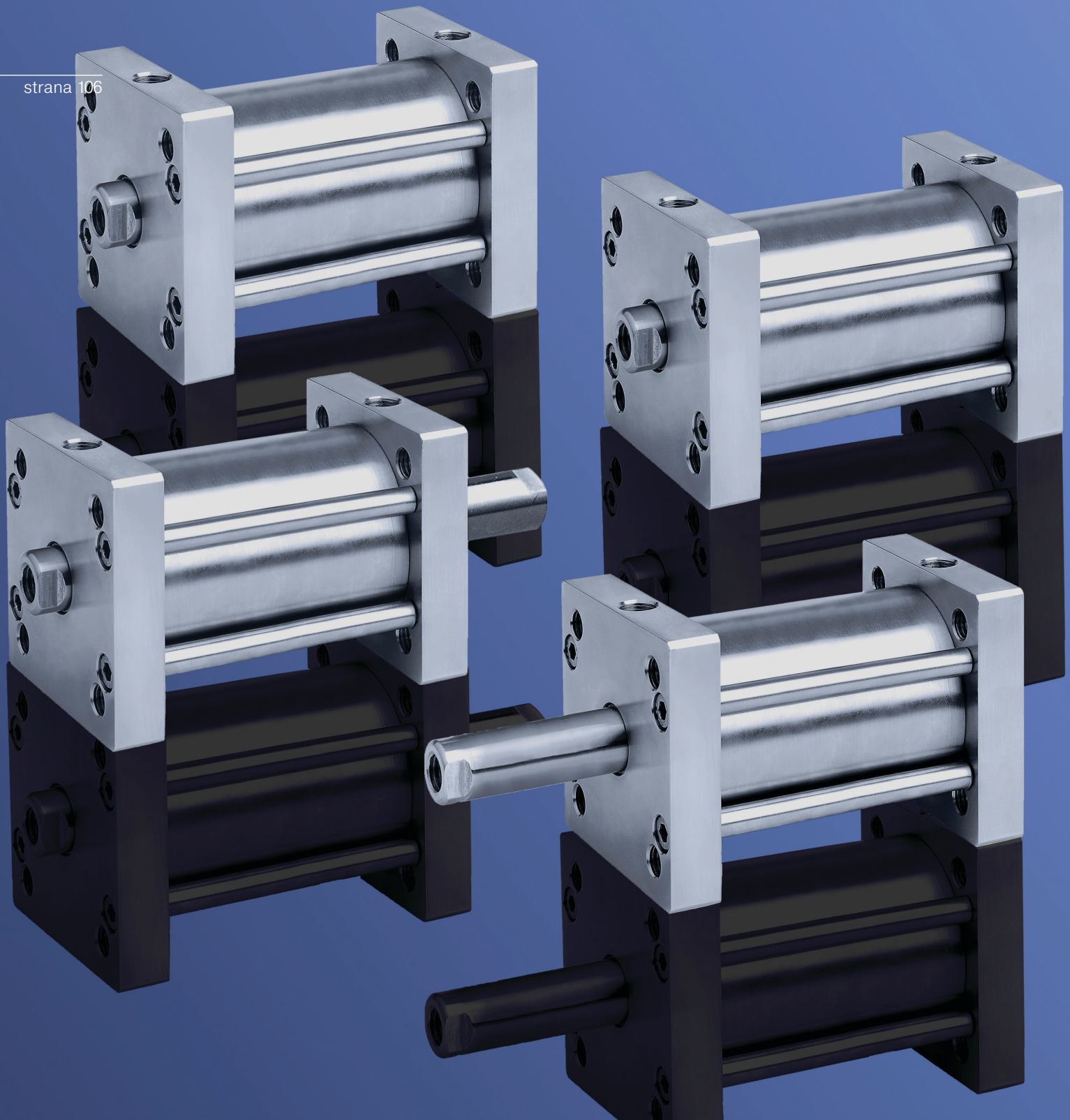
SH



SHC



| Zdvih | M | Max. rychlost' | A | B | C | D | E | F | G | I | CH | H |
|-------|---------|----------------|------|-----|---|------|----|-----|-----|------|----|---|
| 6 mm | M8x1 | 1,2 m/s | 46,5 | 55 | 5 | 35,5 | 6 | 2,8 | 8,5 | 6,5 | 11 | 3 |
| 8 mm | M10x1 | 1,5 m/s | 53,5 | 62 | 5 | 40,5 | 8 | 3 | 8,5 | 8,5 | 13 | 3 |
| 15 mm | M14x1,5 | 1,5 m/s | 90 | 102 | 8 | 67 | 15 | 3,5 | 12 | 12,2 | 19 | 6 |
| 20 mm | M20x1,5 | 2 m/s | 114 | 128 | 9 | 85 | 20 | 5 | 14 | 17,8 | 26 | 8 |



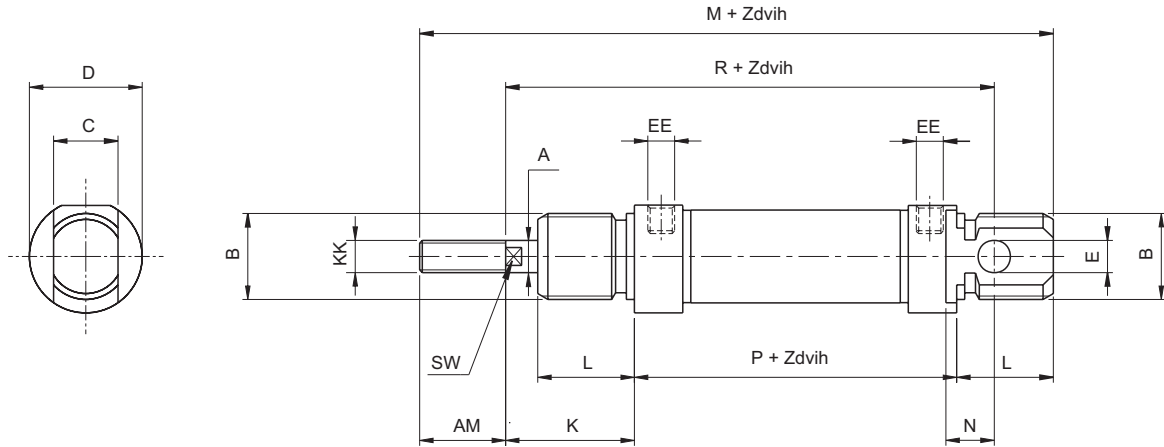
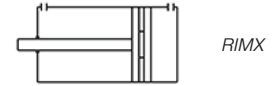
INOX

| Všeobecný opis | |
|------------------|---|
| Priemer piestu | Ø20 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 - Ø125 - Ø160 - Ø200 mm |
| Štandardný zdvih | 10 - 25 - 50 mm Jednočinný |
| | 5 - 10 - 25 - 50 - 70 - 75 - 80 - 90 - 100 - 125 - 150 - 160 - 200 - 250 - 300 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm Dvojčinný |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | Jednočinný: 1 ... 10 bar Dvojčinný: 2 ... 10 bar |
| Teplota okolia | 0°C ... +80°C 0°C ... +150°C (v prevedení odolnom voči vysokým teplotám) |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Variácie | VENX, VEFX, VENXV, VEFXV (jednočinný) VINX/VIFX, VINTX, VBFX/VBNX, DIMX, RIMX/RIMOX, HIFX, HBFX (dvojčinný) |

| Použitý materiál | | HIFX, HBFX |
|------------------|--------------------|----------------------------|
| Teleso valca | nehrdzavejúca oceľ | nehrdzavejúca oceľ |
| Kryt | nehrdzavejúca oceľ | nehrdzavejúca oceľ |
| Piest | hliník | hliníkový tlakový odliatok |
| Piestnica | nehrdzavejúca oceľ | nehrdzavejúca oceľ |
| Vodiace puzdro | technopolymér | sintrovaný bronz |
| Tesnenia | polyuretán | polyuretán |

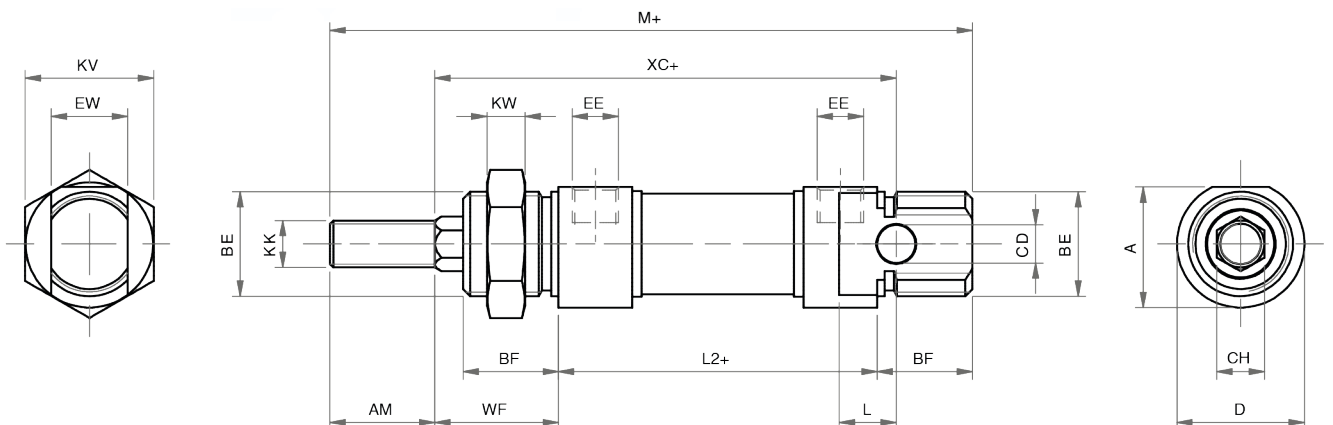
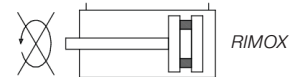
Kruhové valce | ISO 6432

RIMX



| Ø [mm] | A | B | C | D | E | K | L | M | N | P | R | AM | EE | KK | SW |
|--------|----|---------|----|----|---|----|----|-----|----|----|-----|----|-------|----------|----|
| Ø16 | 6 | M16x1,5 | 12 | 19 | 6 | 22 | 18 | 109 | 9 | 53 | 82 | 16 | M5 | M6 | 5 |
| Ø20 | 8 | M22x1,5 | 16 | 27 | 8 | 24 | 20 | 131 | 12 | 67 | 95 | 20 | G1/8" | M8 | 7 |
| Ø25 | 10 | M22x1,5 | 16 | 30 | 8 | 28 | 22 | 140 | 12 | 68 | 104 | 22 | G1/8" | M10x1,25 | 9 |

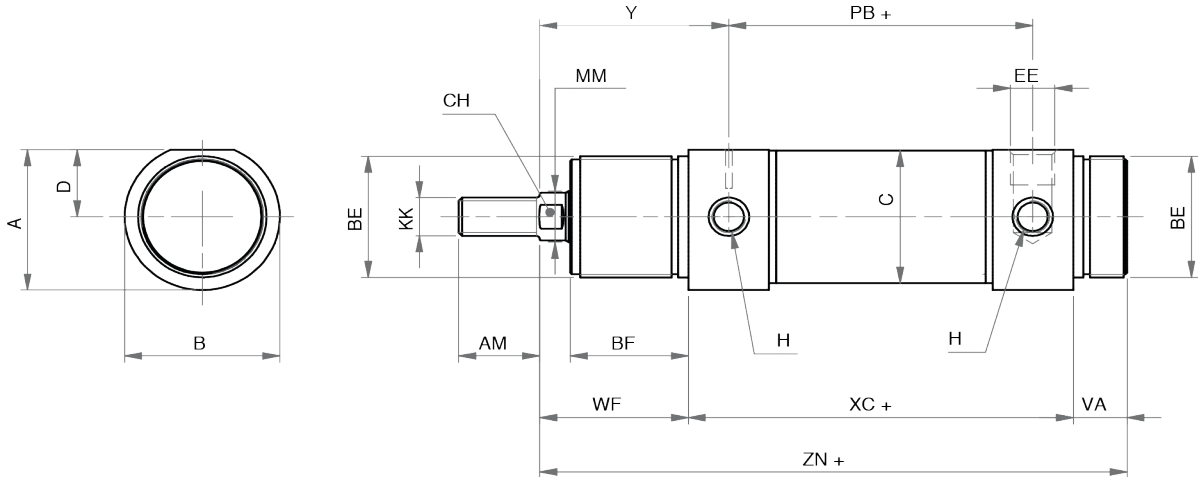
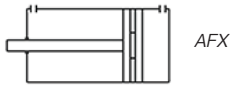
RIMOX



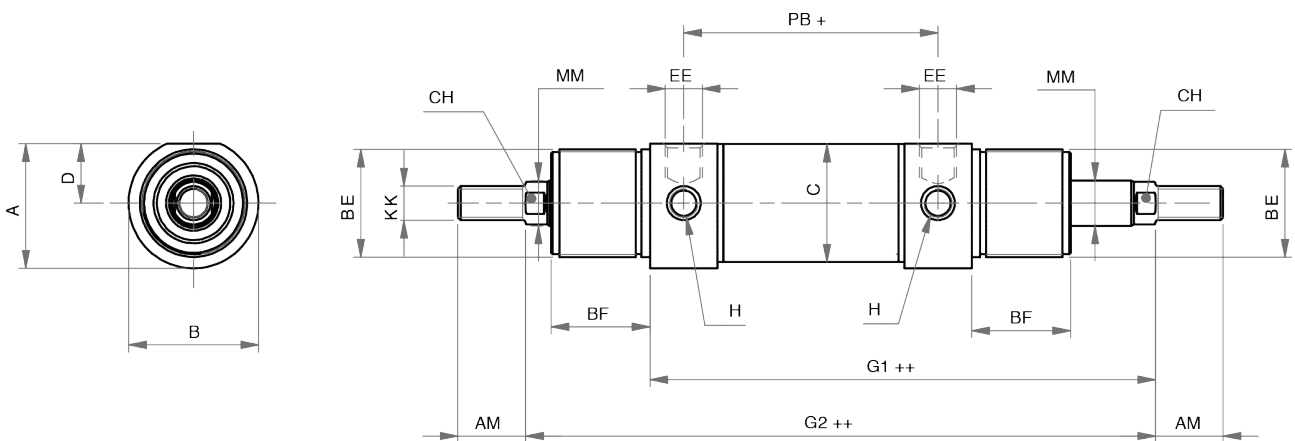
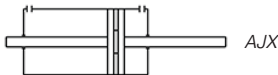
| Ø [mm] | A | AM | BE | BF | CD | CH | D | EE | EW | KK | KV | KW | L | L2+ | M+ | WF | XC+ |
|--------|------|----|---------|----|----|----|----|-------|----|----------|----|----|----|-----|-----|----|-----|
| Ø16 | 18 | 16 | M16x1,5 | 18 | 6 | 6 | 19 | M5 | 12 | M6 | 22 | 8 | 9 | 53 | 109 | 22 | 82 |
| Ø20 | 25,5 | 20 | M22x1,5 | 20 | 8 | 8 | 27 | G1/8" | 16 | M8 | 27 | 11 | 12 | 67 | 131 | 24 | 95 |
| Ø25 | 28,5 | 22 | M22x1,5 | 22 | 8 | 10 | 30 | G1/8" | 16 | M10x1,25 | 27 | 11 | 12 | 68 | 140 | 28 | 104 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Kruhové valce AFX/AJX



| Ø [mm] | A | AM | B | BE | BF | C | CH | D | EE | H | KK | MM | PB+ | VA | WF | XC+ | Y | ZN+ |
|--------|------|----|----|---------|----|------|----|------|------|---------|----------|----|-----|----|----|-----|----|-----|
| Ø32 | 36,5 | 20 | 38 | M30x1,5 | 30 | 33,6 | 10 | 17,5 | G1/8 | M8x1 | M10x1,25 | 12 | 78 | 14 | 38 | 96 | 47 | 148 |
| Ø40 | 44 | 24 | 46 | M38x1,5 | 35 | 41,6 | 12 | 21 | G1/4 | M10x1 | M12x1,25 | 16 | 89 | 16 | 45 | 113 | 57 | 174 |
| Ø50 | 55 | 32 | 57 | M45x1,5 | 38 | 52,4 | 16 | 26,5 | G1/4 | M12x1,5 | M16x1,5 | 20 | 96 | 18 | 50 | 120 | 62 | 188 |
| Ø63 | 67,5 | 32 | 70 | M45x1,5 | 38 | 65,4 | 16 | 32,5 | G3/8 | M14x1,5 | M16x1,5 | 20 | 98 | 18 | 50 | 124 | 63 | 192 |

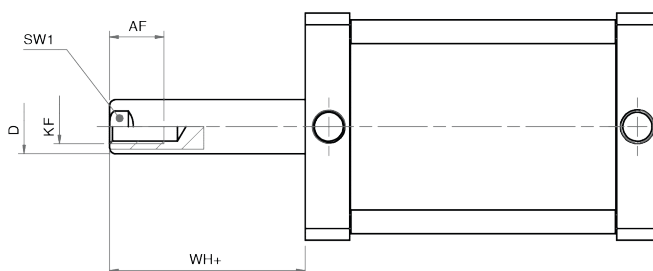
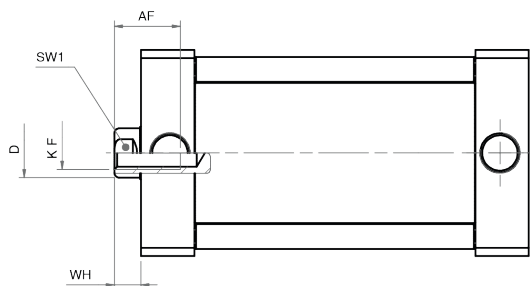
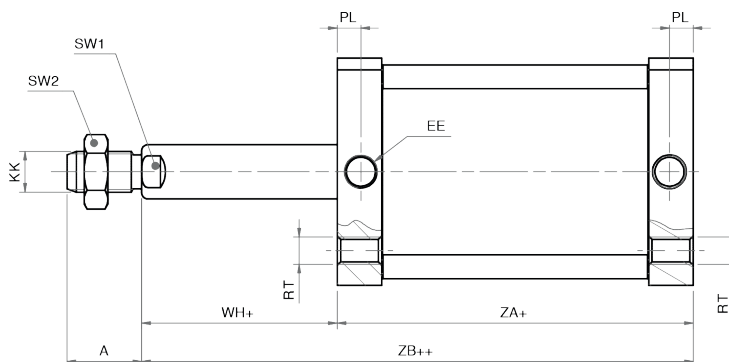
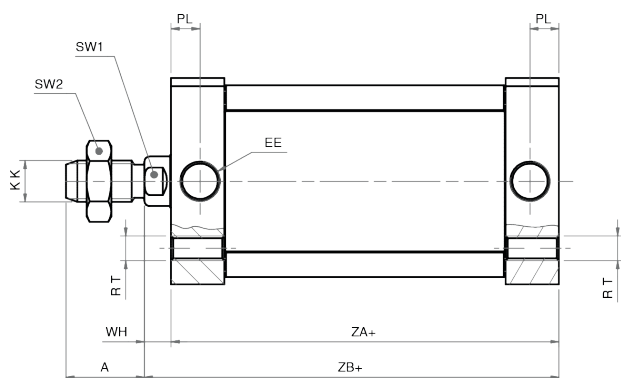
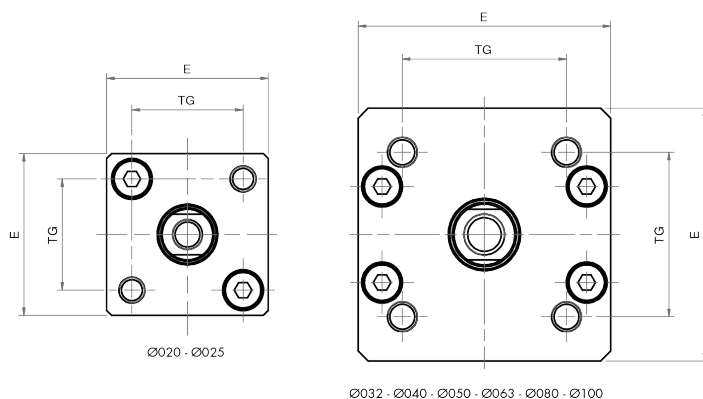


| Ø [mm] | A | AM | B | BE | BF | C | CH | D | EE | G1 | G2 | H | KK | MM | PB+ |
|--------|------|----|----|---------|----|------|----|------|------|-----|-----|---------|----------|----|-----|
| Ø32 | 36,5 | 20 | 38 | M30x1,5 | 30 | 33,6 | 10 | 17,5 | G1/8 | 134 | 172 | M8x1 | M10x1,25 | 12 | 78 |
| Ø40 | 44 | 24 | 46 | M38x1,5 | 35 | 41,6 | 13 | 21 | G1/4 | 158 | 203 | M10x1 | M12x1,25 | 16 | 89 |
| Ø50 | 55 | 32 | 57 | M45x1,5 | 38 | 52,4 | 17 | 26,5 | G1/4 | 170 | 220 | M12x1,5 | M16x1,5 | 20 | 96 |
| Ø63 | 67,5 | 32 | 70 | M45x1,5 | 38 | 65,4 | 17 | 32,5 | G3/8 | 174 | 224 | M14x1,5 | M16x1,5 | 20 | 98 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Kompaktné valce | ISO 21287

VENX/VEFX/VENVX/VEFVX

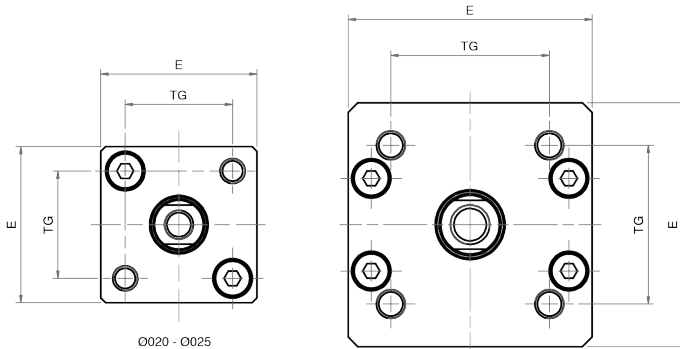
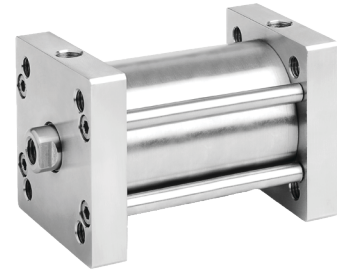
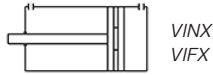


VENX/VEFX

VENVX/VEFVX

| Ø [mm] | A | AF | D | E | EE | KF | KK | PL | RT | SW1 | SW2 | TG | WH | ZA+ | ZB+ |
|--------|----|----|----|-----|------|-----|----------|-----|-----|-----|-----|------|-----|-----|-------|
| Ø20 | 16 | 10 | 10 | 32 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 22 | 6,5 | 47* | 53,5* |
| Ø25 | 16 | 10 | 10 | 36 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 26 | 6 | 49* | 55* |
| Ø32 | 19 | 12 | 12 | 50 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 32,5 | 6,5 | 44* | 50,5* |
| Ø40 | 19 | 12 | 12 | 57 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 38 | 7 | 45* | 52* |
| Ø50 | 22 | 16 | 16 | 67 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 46,5 | 8 | 45* | 53* |
| Ø63 | 22 | 16 | 16 | 80 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 56,5 | 8 | 49* | 57* |
| Ø80 | 28 | 20 | 20 | 96 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 17 | 24 | 72 | 10 | 54* | 64* |
| Ø100 | 28 | 25 | 25 | 116 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 22 | 24 | 89 | 10 | 67* | 77* |

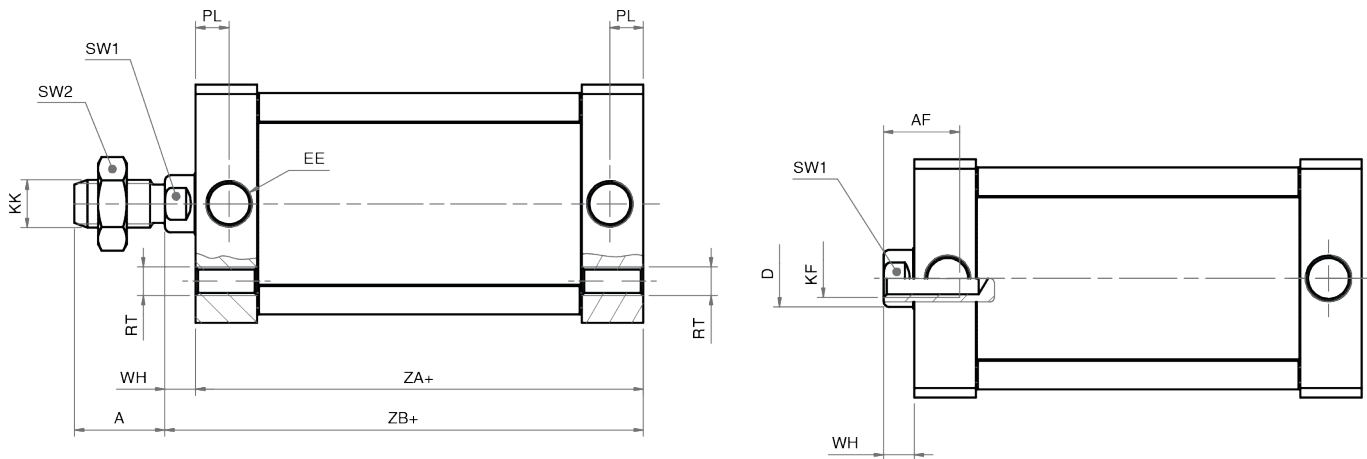
*VENX, VEFX v prípade zdvihu 50 mm: +10 mm pre Ø20, +20 mm pre Ø25-Ø63, +30 mm pre Ø80-Ø100
 VENVX, VEFVX v prípade zdvihu 50 mm: +10 mm pre Ø20-Ø25-Ø32-Ø63, +20 mm pre Ø80-Ø100
 + Prosíme, rátajte aj s pridaním dĺžky zdvihu!



Ø020 - Ø025

Ø032 - Ø040 - Ø050 - Ø063 - Ø080

Ø100 - Ø125 - Ø160 - Ø200



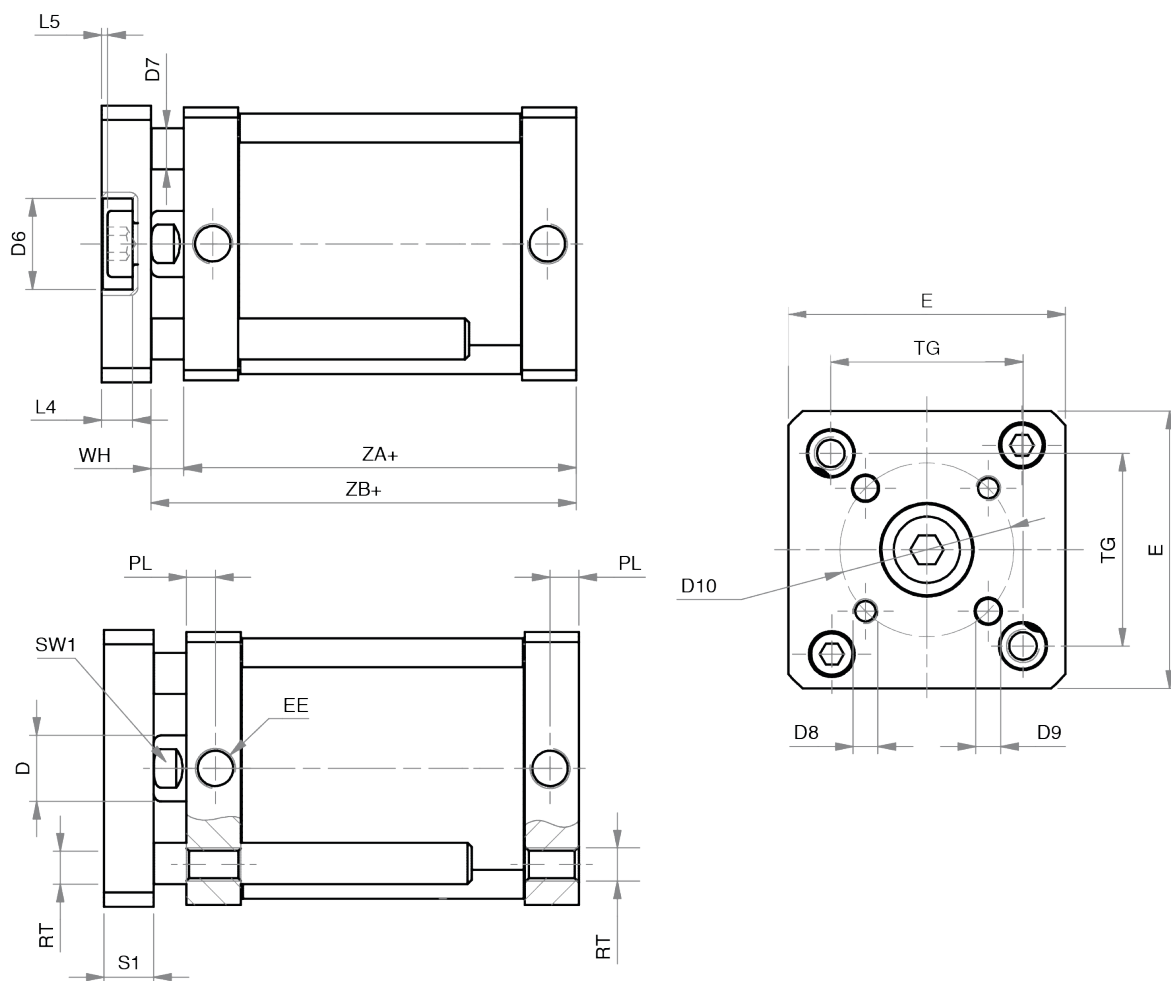
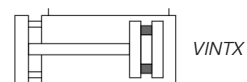
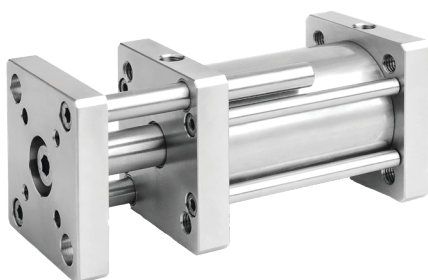
| Ø [mm] | A | AF | D | E | EE | KF | KK | PL | RT | SW1 | SW2 | TG | WH | ZA+ | ZB+ |
|--------|----|----|----|-----|------|-----|----------|-----|-----|-----|-----|------|-----|-----|------|
| Ø20 | 16 | 10 | 10 | 32 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 22 | 6,5 | 37 | 43,5 |
| Ø25 | 16 | 10 | 10 | 36 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 26 | 6 | 39 | 45 |
| Ø32 | 19 | 12 | 12 | 50 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 32,5 | 6,5 | 44 | 50,5 |
| Ø40 | 19 | 12 | 12 | 57 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 38 | 7 | 45 | 52 |
| Ø50 | 22 | 16 | 16 | 67 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 46,5 | 8 | 45 | 53 |
| Ø63 | 22 | 16 | 16 | 80 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 56,5 | 8 | 49 | 57 |
| Ø80 | 28 | 20 | 20 | 96 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 17 | 24 | 72 | 10 | 54 | 64 |
| Ø100 | 28 | 20 | 25 | 116 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 22 | 24 | 89 | 10 | 67 | 77 |
| Ø125 | 54 | 25 | 30 | 140 | 1/4" | M14 | M27x2 | 10 | M12 | 28 | 41 | 110 | 10 | 78 | 88 |
| Ø160 | 72 | 30 | 40 | 180 | 3/8" | M20 | M36x2 | 12 | M16 | 36 | 55 | 140 | 12 | 87 | 99 |
| Ø200 | 72 | 30 | 40 | 220 | 3/8" | M20 | M36x2 | 12 | M16 | 36 | 55 | 175 | 12 | 87 | 99 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Kompaktné valce | ISO 21287

VINTX

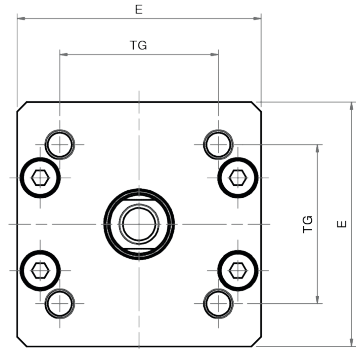
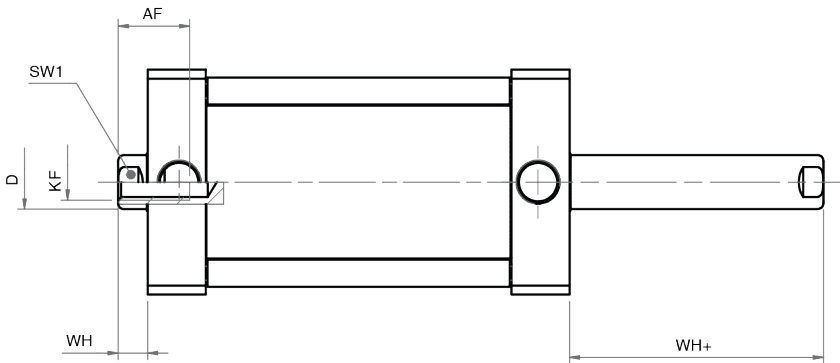
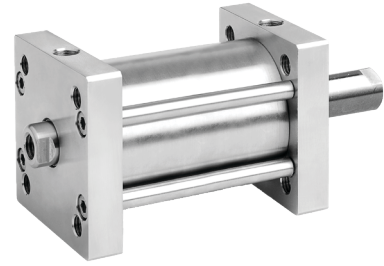
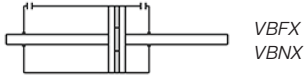
strana 112



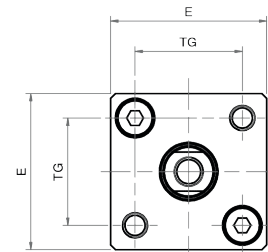
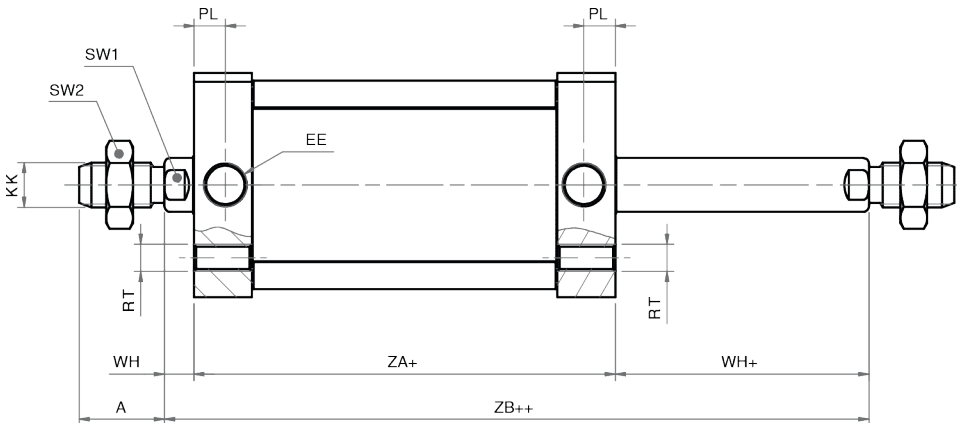
| Ø [mm] | D | D6 | D7 | D8 | D9 | D10 | E | EE | SW1 | L4 | L5 | PL | RT | S1 | TG | WH | ZA+ | ZB+ |
|--------|----|----|----|-----|----|-----|-----|------|-----|-----|-----|-----|-----|----|------|-----|-----|------|
| Ø20 | 10 | 11 | 6 | M4 | 4 | 17 | 32 | M5 | 8 | 5 | 1 | 6 | M5 | 8 | 22 | 6,5 | 37 | 43,5 |
| Ø25 | 10 | 14 | 6 | M5 | 5 | 22 | 36 | M5 | 8 | 5 | 1 | 6 | M5 | 8 | 26 | 6 | 39 | 45 |
| Ø32 | 12 | 17 | 6 | M5 | 5 | 28 | 50 | G1/8 | 10 | 6,5 | 1,5 | 7 | M6 | 10 | 32,5 | 6,5 | 44 | 50,5 |
| Ø40 | 12 | 17 | 8 | M5 | 5 | 33 | 57 | G1/8 | 10 | 6,5 | 1,5 | 7 | M6 | 10 | 38 | 7 | 45 | 52 |
| Ø50 | 16 | 22 | 10 | M6 | 6 | 42 | 67 | G1/8 | 13 | 7,5 | 1,5 | 7 | M8 | 12 | 46,5 | 8 | 45 | 53 |
| Ø63 | 16 | 22 | 10 | M6 | 6 | 50 | 80 | G1/8 | 13 | 7,5 | 1,5 | 7 | M8 | 12 | 56,5 | 8 | 49 | 57 |
| Ø80 | 20 | 28 | 12 | M8 | 8 | 65 | 96 | G1/8 | 17 | 9 | 2 | 7,5 | M10 | 14 | 72 | 10 | 54 | 64 |
| Ø100 | 25 | 30 | 14 | M10 | 10 | 80 | 116 | G1/8 | 22 | 10 | 3 | 7,5 | M10 | 14 | 89 | 10 | 67 | 77 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Kompakt hengerek | ISO 21287 VBFX/VBNX



Ø032 - Ø040 - Ø050 - Ø063 - Ø080
Ø100 - Ø125 - Ø160 - Ø200



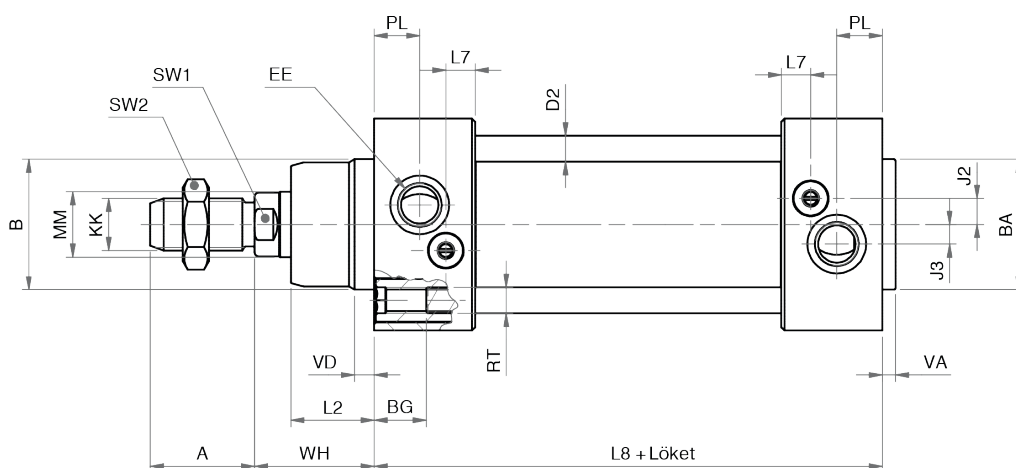
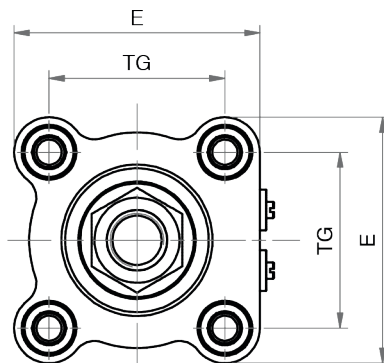
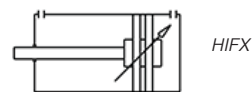
Ø020 - Ø025

| Ø [mm] | A | AF | D | E | EE | KF | KK | PL | RT | SW1 | SW2 | TG | WH | WH+ | ZA+ | ZB++ |
|--------|----|----|----|-----|------|-----|----------|-----|-----|-----|-----|------|-----|-----|-----|------|
| Ø20 | 16 | 10 | 10 | 32 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 22 | 6,5 | 6,5 | 37 | 43,5 |
| Ø25 | 16 | 10 | 10 | 36 | M5 | M6 | M8 | 6 | M5 | 8 | 13 | 26 | 6 | 6 | 39 | 45 |
| Ø32 | 19 | 12 | 12 | 50 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 32,5 | 6,5 | 6,5 | 44 | 50,5 |
| Ø40 | 19 | 12 | 12 | 57 | G1/8 | M8 | M10x1,25 | 7 | M6 | 10 | 17 | 38 | 7 | 7 | 45 | 52 |
| Ø50 | 22 | 16 | 16 | 67 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 46,5 | 8 | 8 | 45 | 53 |
| Ø63 | 22 | 16 | 16 | 80 | G1/8 | M10 | M12x1,25 | 7 | M8 | 13 | 19 | 56,5 | 8 | 8 | 49 | 57 |
| Ø80 | 28 | 20 | 20 | 96 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 17 | 24 | 72 | 10 | 10 | 54 | 64 |
| Ø100 | 28 | 20 | 25 | 116 | G1/8 | M12 | M16x1,5 | 7,5 | M10 | 22 | 24 | 89 | 10 | 10 | 67 | 77 |
| Ø125 | 54 | 25 | 30 | 140 | 1/4" | M14 | M27x2 | 10 | M12 | 28 | 41 | 110 | 10 | 10 | 78 | 88 |
| Ø160 | 72 | 30 | 40 | 180 | 3/8" | M20 | M36x2 | 12 | M16 | 36 | 55 | 140 | 12 | 12 | 87 | 99 |
| Ø200 | 72 | 30 | 40 | 220 | 3/8" | M20 | M36x2 | 12 | M16 | 36 | 55 | 175 | 12 | 12 | 87 | 99 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Normalizované valce | ISO 15552

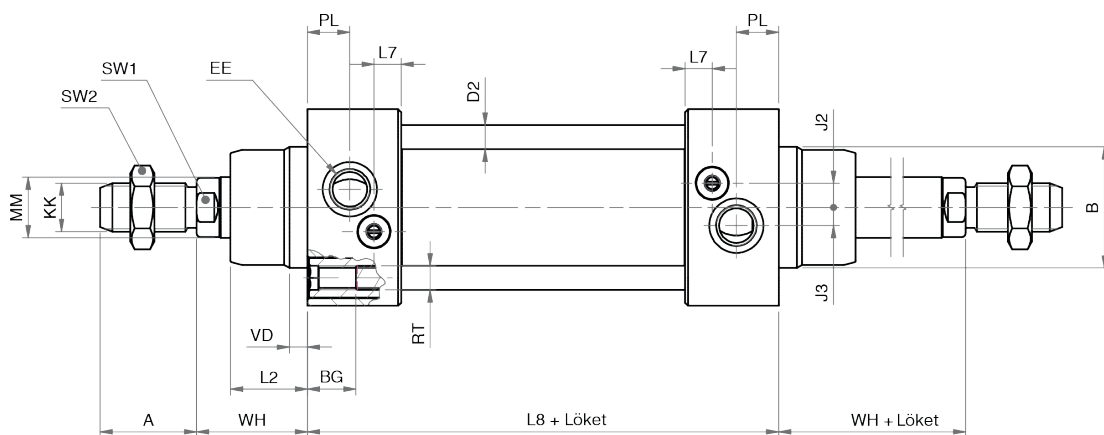
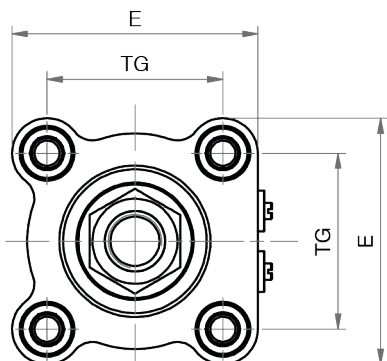
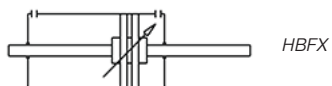
HIFX



| Ø [mm] | A | B | BA | BG | D2 | E | EE | J2 | J3 | KK | L2 |
|--------|----|----|----|----|----|-----|------|-----|-----|----------|------|
| Ø32 | 32 | 30 | 30 | 16 | 6 | 48 | G1/8 | 6,6 | 5,3 | M10x1,25 | 18 |
| Ø40 | 24 | 35 | 35 | 16 | 6 | 52 | G1/4 | 8,5 | 5 | M12x1,25 | 22 |
| Ø50 | 32 | 40 | 40 | 16 | 8 | 65 | G1/4 | 8 | 6 | M16x1,5 | 25,5 |
| Ø63 | 32 | 45 | 45 | 16 | 8 | 75 | G3/8 | 10 | 6,5 | M16x1,5 | 26 |
| Ø80 | 40 | 45 | 45 | 18 | 10 | 95 | G3/8 | 8 | 8 | M20x1,5 | 32 |
| Ø100 | 40 | 55 | 55 | 18 | 10 | 115 | G1/2 | 15 | 7 | M20x1,5 | 38 |
| Ø125 | 54 | 60 | 60 | 20 | 12 | 140 | G1/2 | 13 | 7 | M27x2 | 46 |

| Ø [mm] | L7 | L8+ | MM | PL | RT | SW1 | SW2 | TG | VA | VD | WH |
|--------|-----|-----|----|----|-----|-----|-----|------|----|----|----|
| Ø32 | 7,2 | 94 | 12 | 13 | M6 | 10 | 17 | 32,5 | 4 | 5 | 26 |
| Ø40 | 9,2 | 105 | 16 | 14 | M6 | 13 | 19 | 38 | 4 | 5 | 30 |
| Ø50 | 9 | 106 | 20 | 14 | M8 | 17 | 24 | 46,5 | 4 | 6 | 37 |
| Ø63 | 9,5 | 121 | 20 | 16 | M8 | 17 | 24 | 56,5 | 4 | 6 | 37 |
| Ø80 | 11 | 128 | 25 | 16 | M10 | 22 | 30 | 72 | 4 | 7 | 46 |
| Ø100 | 12 | 138 | 25 | 18 | M10 | 22 | 30 | 89 | 4 | 7 | 51 |
| Ø125 | 12 | 160 | 32 | 18 | M12 | 27 | 41 | 110 | 6 | 10 | 65 |

+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!



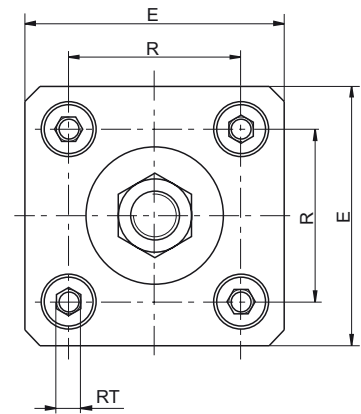
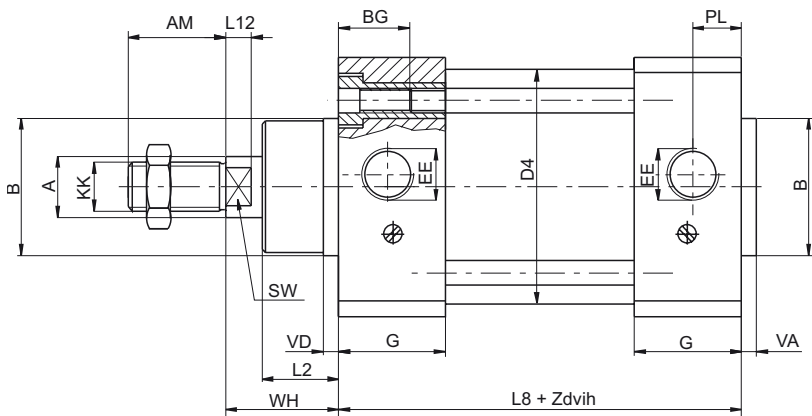
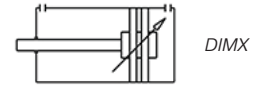
| Ø [mm] | A | B | BA | BG | D2 | E | EE | J2 | J3 | KK | L2 |
|--------|----|----|----|----|----|-----|------|-----|-----|----------|------|
| Ø32 | 22 | 30 | 30 | 16 | 6 | 48 | G1/8 | 6,6 | 5,3 | M10x1,25 | 18 |
| Ø40 | 24 | 35 | 35 | 16 | 6 | 52 | G1/4 | 8,5 | 5 | M12x1,25 | 22 |
| Ø50 | 32 | 40 | 40 | 16 | 8 | 65 | G1/4 | 8 | 6 | M16x1,5 | 25,5 |
| Ø63 | 32 | 45 | 45 | 16 | 8 | 75 | G3/8 | 10 | 6,5 | M16x1,5 | 26 |
| Ø80 | 40 | 45 | 45 | 18 | 10 | 95 | G3/8 | 8 | 8 | M20x1,5 | 32 |
| Ø100 | 40 | 55 | 55 | 18 | 10 | 115 | G1/2 | 15 | 7 | M20x1,5 | 38 |
| Ø125 | 54 | 60 | 60 | 20 | 12 | 140 | G1/2 | 13 | 7 | M27x2 | 46 |

| Ø [mm] | L7 | L8+ | MM | PL | RT | SW1 | SW2 | TG | VD | WH | WH+ |
|--------|-----|-----|----|----|-----|-----|-----|------|----|----|-----|
| Ø32 | 7,2 | 94 | 12 | 13 | M6 | 10 | 17 | 32,5 | 5 | 26 | 26 |
| Ø40 | 9,2 | 105 | 16 | 14 | M6 | 13 | 19 | 38 | 5 | 30 | 30 |
| Ø50 | 9 | 106 | 20 | 14 | M8 | 17 | 24 | 46,5 | 6 | 37 | 37 |
| Ø63 | 9,5 | 121 | 20 | 16 | M8 | 17 | 24 | 56,5 | 6 | 37 | 37 |
| Ø80 | 11 | 128 | 25 | 16 | M10 | 22 | 30 | 72 | 7 | 46 | 46 |
| Ø100 | 12 | 138 | 25 | 18 | M10 | 22 | 30 | 89 | 7 | 51 | 51 |
| Ø125 | 12 | 160 | 32 | 18 | M12 | 27 | 41 | 110 | 10 | 65 | 65 |

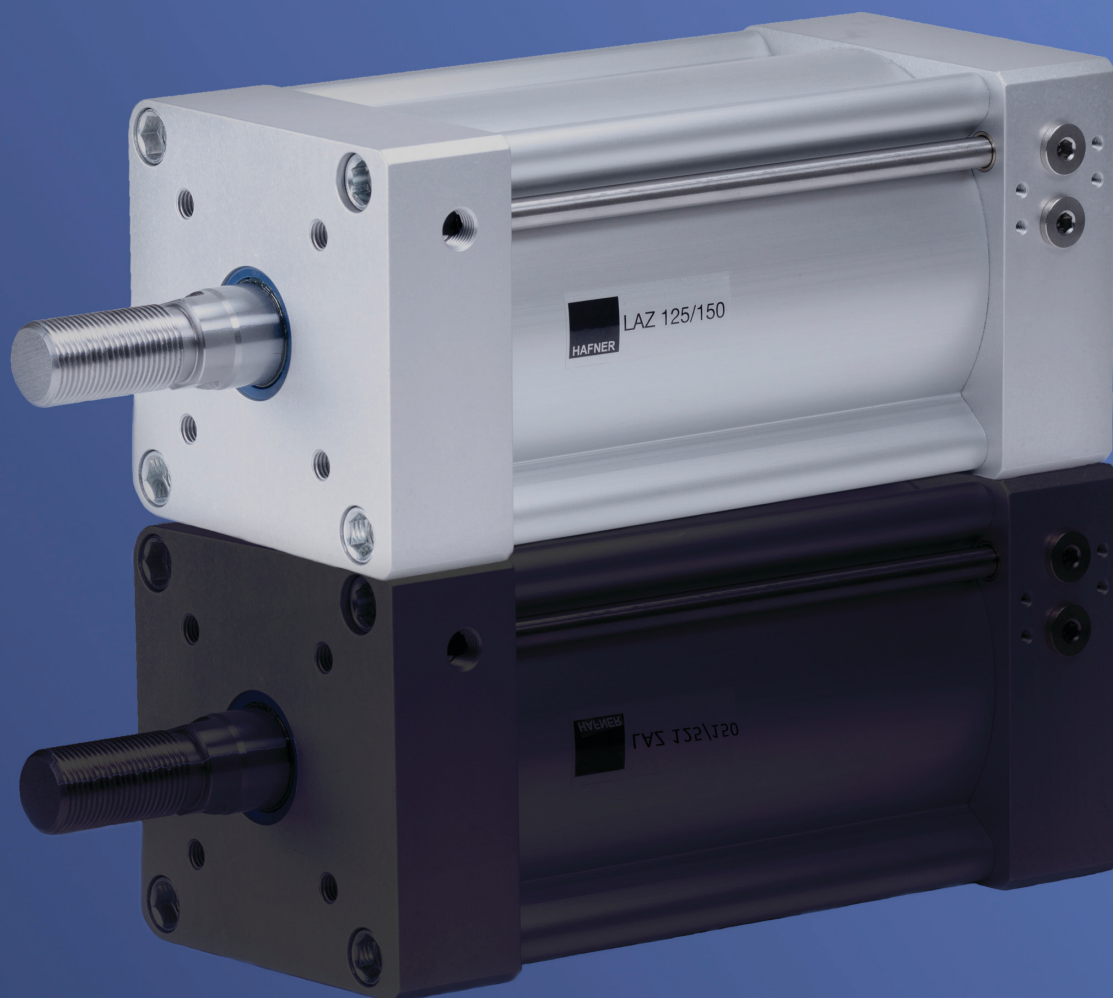
+ Prosíme, rátajte aj s pridaním dĺžky zdvihu!

Svorníkové valce | ISO 15552 DIMX

strana 116



| Ø [mm] | A | AM | B | BG | E | EE | G | KK | L2 | L8 | L12 | PL | R | RT | SW | VA | VD | WH |
|--------|----|----|----|----|-----|------|----|-------|----|-----|-----|----|-----|-----|----|----|----|----|
| Ø160 | 40 | 72 | 65 | 24 | 182 | G3/4 | 59 | M36x2 | 38 | 180 | 12 | 27 | 140 | M16 | 38 | 6 | 6 | 80 |
| Ø200 | 40 | 72 | 75 | 24 | 222 | G3/4 | 61 | M36x2 | 55 | 180 | 12 | 35 | 175 | M16 | 38 | 6 | 6 | 95 |



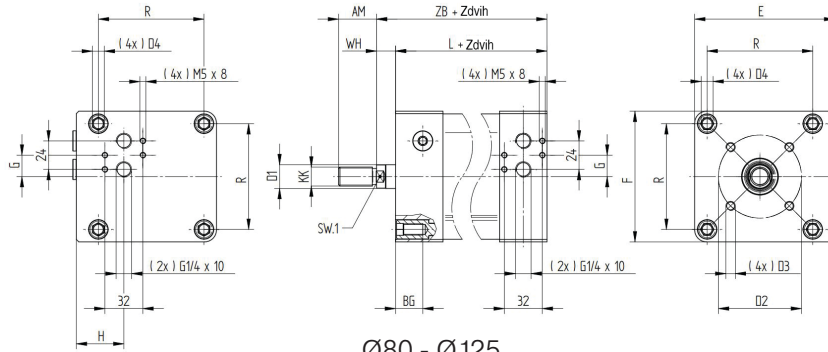
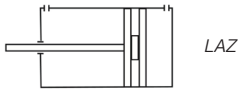
Valce k nožovým posúvačom

Valce k nožovým posúvačom

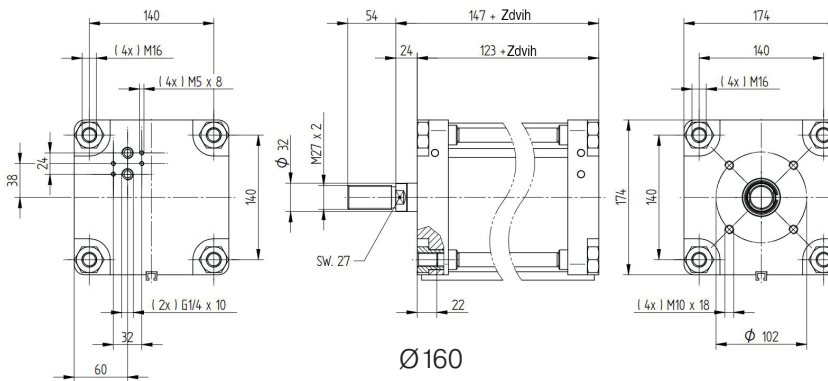
strana 118

| Všeobecný opis | |
|--|--|
| Priemer piestu | Ø80 - Ø100 - Ø125 - Ø160 - Ø200 - Ø250 - Ø320 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 - 600 - 700 - 800 - 900 - 1000 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. | |

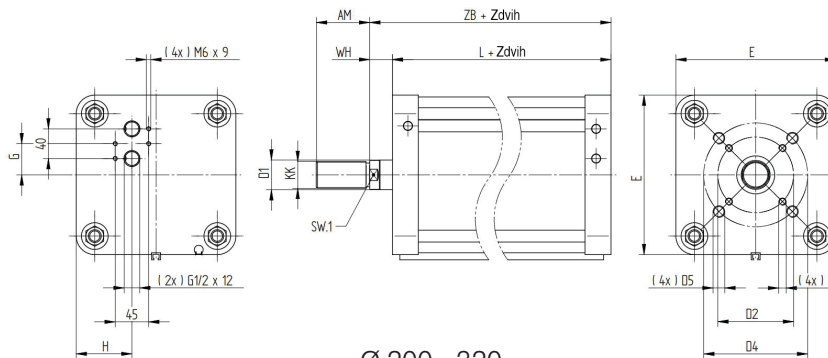
| | | | | | |
|---|---|---|----------------|---|--------------|
| L | A | Z | 80 | / | 200 |
| | | | PRIEMER | | ZDVIH |
| | | | 80 | | 25 |
| | | | 100 | | 50 |
| | | | 125 | | 80 |
| | | | 160 | | 100 |
| | | | 200 | | 125 |
| | | | 250 | | 160 |
| | | | 320 | | 200 |
| | | | | | 250 |
| | | | | | 320 |
| | | | | | 400 |
| | | | | | 500 |
| | | | | | 600 |
| | | | | | 700 |
| | | | | | 800 |
| | | | | | 900 |
| | | | | | 1000 |



Ø80 - Ø125

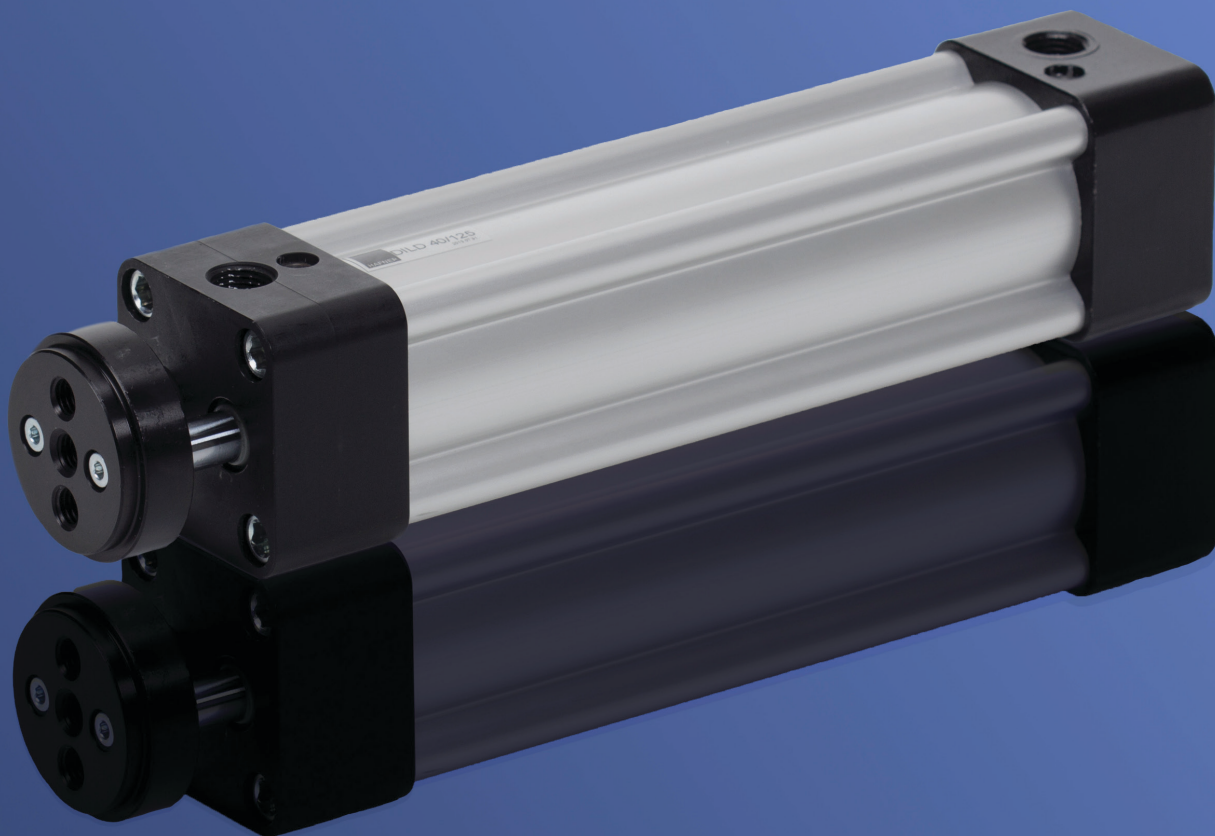


Ø160



Ø200 - 320

| Ø [mm] | AM | D1 | KK | SW.1 | D2 | D3 | D4 | BG | R | D5 | E | F | G | H | WH | L | ZB |
|--------|----|-----|---------|------|------|--------|------|----|-----|--------|-----|-----|----|-----|----|-----|-----|
| Ø 80 | 32 | Ø20 | M16x1,5 | 17 | Ø70 | M8x15 | M10 | 22 | 72 | - | 100 | 90 | 8 | 35 | 16 | 114 | 130 |
| Ø 100 | 32 | Ø20 | M16x1,5 | 17 | Ø70 | M8x15 | M10 | 22 | 89 | - | 118 | 110 | 18 | 40 | 16 | 118 | 134 |
| Ø 125 | 54 | Ø32 | M27x2 | 27 | Ø102 | M10x18 | M12 | 26 | 110 | - | 140 | 134 | 28 | 45 | 24 | 138 | 162 |
| Ø 200 | 72 | Ø40 | M36x2 | 36 | Ø102 | M10x20 | Ø140 | - | - | M16x25 | 215 | - | - | 75 | 30 | 123 | 153 |
| Ø 250 | 72 | Ø40 | M36x2 | 36 | Ø102 | M10x20 | Ø140 | - | - | M16x25 | 265 | - | - | 80 | 30 | 138 | 168 |
| Ø 320 | 72 | Ø40 | M36x2 | 36 | Ø102 | M10x20 | Ø140 | - | - | M16x25 | 340 | - | - | 100 | 30 | 135 | 168 |



Valce s dvojitou piestnicou

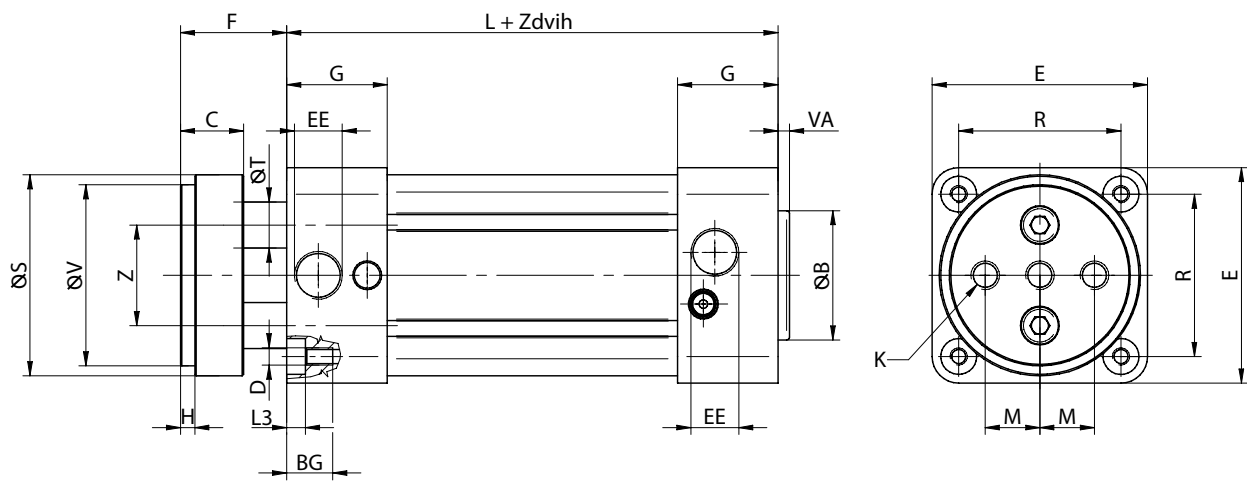
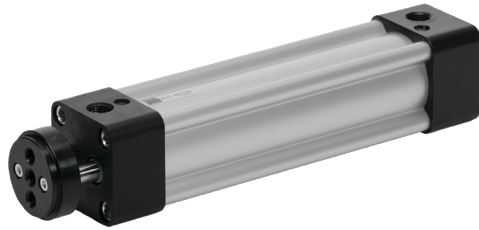
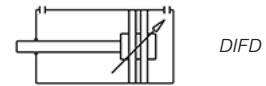
Valce s dvojitou piestnicou

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø32 - Ø40 - Ø50 - Ø63 - Ø80 - Ø100 mm |
| Štandardný zdvih | 25 - 50 - 80 - 100 - 125 - 160 - 200 - 250 - 320 - 400 - 500 mm Ø32 - Ø50 mm Ø63 mm Ø80 - Ø100 mm |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 1 ... 10 bar |
| Teplota okolia | -20°C ... +80°C |
| | Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |

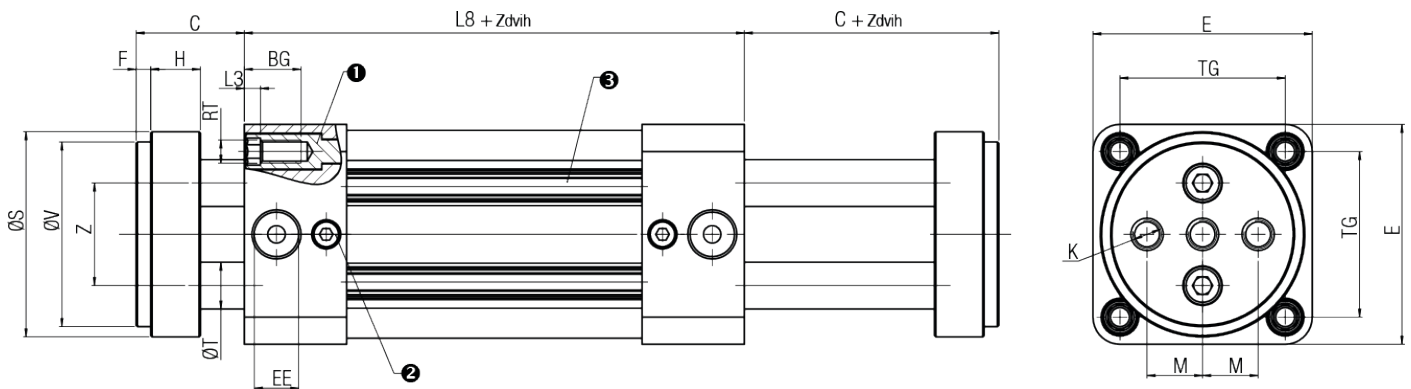
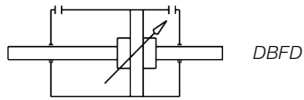
| Použitý materiál | |
|------------------|----------------------------|
| Teleso valca | eloxovaný hliník |
| Kryt | hliníkový tlakový odliatok |
| Piest | hliník |
| Piestnica | tvrd chrómovaná oceľ |
| Vodiace puzdro | sintrovaný bronz |
| Tesnenia | polyuretán, NBR |

| | | | | | | | |
|---|----------|----------|----------|----------------|----------|--------------|------------------------|
| D | I | F | D | 50 | / | 100 | Ex |
| | | | | PRIEMER | | ZDVIH | MOŽNOSTI |
| | | | | 32 | | 25 | Ex S certifikátom ATEX |
| | | | | 40 | | 50 | |
| | | | | 50 | | 80 | |
| | | | | 63 | | 100 | |
| | | | | 80 | | 125 | |
| | | | | 100 | | 160 | |
| | | | | | | 200 | |
| | | | | | | 250 | |
| | | | | | | 320 | |
| | | | | | | 400 | |
| | | | | | | 500 | |
| VERZIE | | | | | | | |
| I Dvojčinný valec | | | | | | | |
| B Dvojčinný valec, priebežná piestnica | | | | | | | |

DIFD

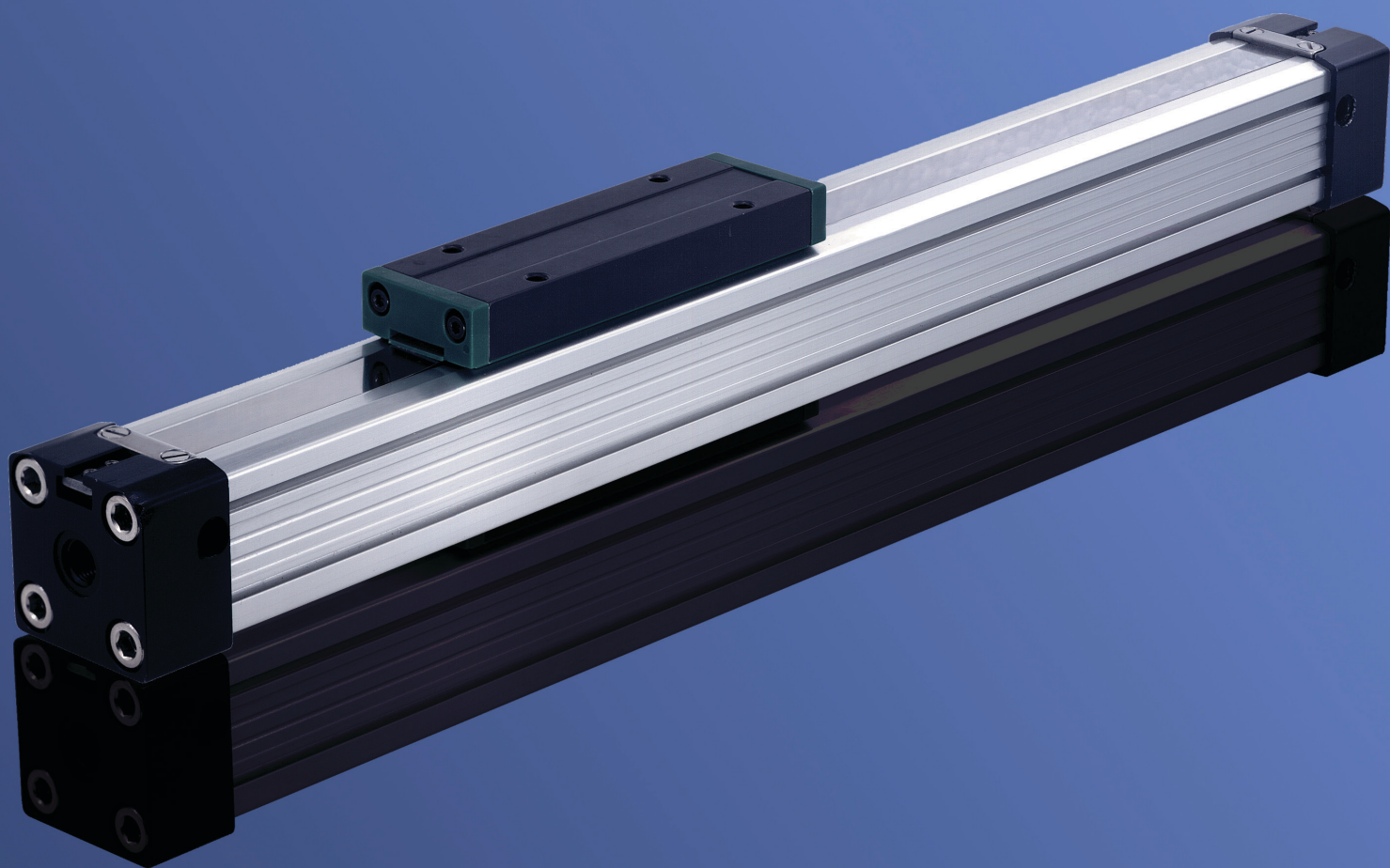


| \emptyset [mm] | B | F | E | H | C | K | M | S | T | V | Z | VA | L | BG | D | R | EE | L3 |
|------------------|----|----|-----|---|----|-----|-------|-----|----|-----|----|----|-----|----|-----|------|------|-----|
| $\emptyset 32$ | 30 | 26 | 47 | 4 | 15 | M6 | 9,5 | 35 | 8 | 32 | 18 | 4 | 94 | 16 | M6 | 32,5 | G1/8 | 5 |
| $\emptyset 40$ | 35 | 30 | 53 | 4 | 15 | M8 | 11,25 | 45 | 10 | 40 | 22 | 4 | 105 | 16 | M6 | 38 | G1/4 | 5 |
| $\emptyset 50$ | 40 | 37 | 65 | 5 | 18 | M8 | 15 | 55 | 12 | 50 | 26 | 4 | 106 | 16 | M8 | 46,5 | G1/4 | 5 |
| $\emptyset 63$ | 45 | 37 | 75 | 5 | 22 | M10 | 19 | 70 | 16 | 63 | 35 | 4 | 121 | 16 | M8 | 56,5 | G3/8 | 5 |
| $\emptyset 80$ | 45 | 46 | 95 | 5 | 22 | M12 | 25 | 85 | 20 | 80 | 40 | 4 | 128 | 17 | M10 | 72 | G3/8 | 6,5 |
| $\emptyset 100$ | 55 | 51 | 115 | 5 | 22 | M12 | 35 | 105 | 20 | 100 | 50 | 4 | 138 | 17 | M10 | 89 | G1/2 | 6,5 |



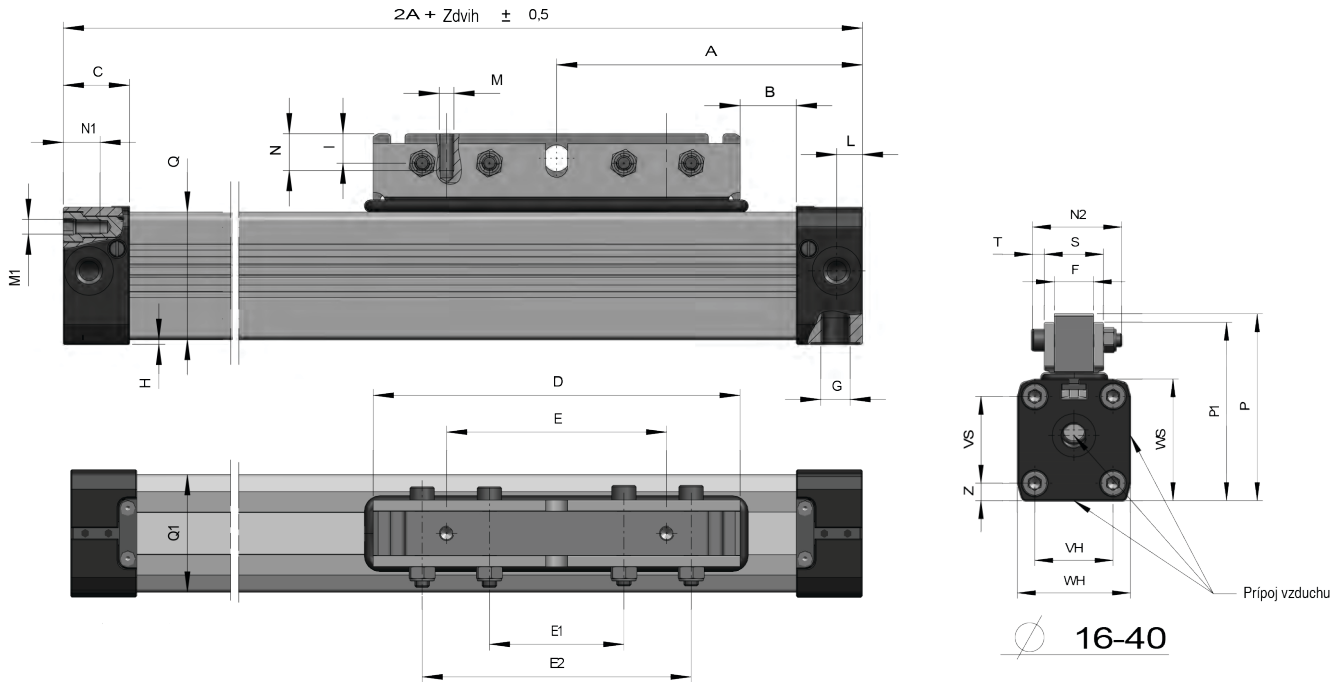
| Ø [mm] | Ø Bd11 | C | E | F | H | K | M | S | T | V | Z | F1 | VA | L2 |
|--------|--------|----|-----|---|----|-----|-------|-----|----|-----|----|----|----|----|
| Ø32 | 30 | 26 | 47 | 4 | 15 | M6 | 9,5 | 35 | 8 | 32 | 18 | 48 | 4 | 20 |
| Ø40 | 35 | 30 | 53 | 4 | 15 | M8 | 11,25 | 45 | 10 | 40 | 22 | 54 | 4 | 22 |
| Ø50 | 40 | 37 | 65 | 5 | 18 | M8 | 15 | 55 | 12 | 50 | 26 | 69 | 4 | 28 |
| Ø63 | 45 | 37 | 75 | 5 | 22 | M10 | 19 | 70 | 16 | 63 | 35 | 69 | 4 | 28 |
| Ø80 | 45 | 46 | 95 | 5 | 22 | M12 | 25 | 85 | 20 | 80 | 40 | 86 | 4 | 34 |
| Ø100 | 55 | 51 | 115 | 5 | 22 | M12 | 35 | 105 | 20 | 100 | 50 | 91 | 4 | 38 |

| Ø [mm] | WH | MM | SW | KK | L8 | BG | RT | E | TG | EE | PL | L3 | ZM |
|--------|------|----|----|----------|-----|----|-----|-----|------|------|----|----|-----|
| Ø32 | 26 | 12 | 10 | M10x1,25 | 94 | 16 | M6 | 47 | 32,5 | G1/8 | 14 | 5 | 146 |
| Ø40 | 30 | 16 | 13 | M12x1,25 | 105 | 16 | M6 | 53 | 38 | G1/4 | 16 | 5 | 165 |
| Ø50 | 37 | 20 | 17 | M16x1,5 | 106 | 16 | M8 | 65 | 46,5 | G1/4 | 21 | 5 | 180 |
| Ø63 | 37 | 20 | 17 | M16x1,5 | 121 | 16 | M8 | 75 | 56,5 | G3/8 | 22 | 5 | 195 |
| Ø80 | 46 | 25 | 22 | M20x1,5 | 128 | 18 | M10 | 95 | 72 | G3/8 | 23 | 6 | 220 |
| Ø100 | 51,5 | 25 | 22 | M20x1,5 | 138 | 18 | M10 | 115 | 89 | G1/2 | 26 | 6 | 240 |



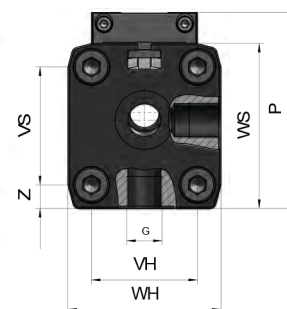
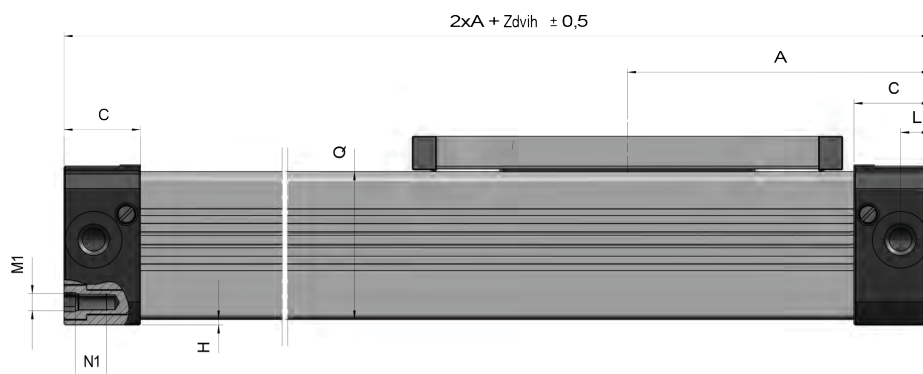
Bezpečnostné valce

| Všeobecný opis | |
|------------------|--|
| Priemer piestu | Ø16 - Ø25 - Ø32 - Ø40 - Ø50 - Ø63 mm |
| Štandardný zdvih | 100 - 3300 - 4400 - 5700 mm (po 1 mm) Ø16 mm (PLK, PLG) Ø16 mm (PL, PLF) Ø25 - Ø63 mm (PL, PLF, PLK, PLG, PLR, PLS) |
| Pracovné médium | stlačený vzduch |
| Pracovný tlak | 0,5 ... 8 bar |
| Teplota okolia | -10°C ... +80°C -10°C ... +55°C (PLS) Pri teplotách pod 0°C je potrebné používať vhodne pripravený, suchý stlačený vzduch. |
| Variácie | PL, PLF, PLK, PLG, PLR, PLS (pneumaticky ovládané) |
| Použitý materiál | |
| Teleso valca | eloxovaný hliník |
| Kryt | eloxovaný hliník |
| Piest | eloxovaný hliník |
| Tesnenia | syntetický materiál odolný voči olejom (V < 1m/s (NBR V > = 1m/s (VITON)) |

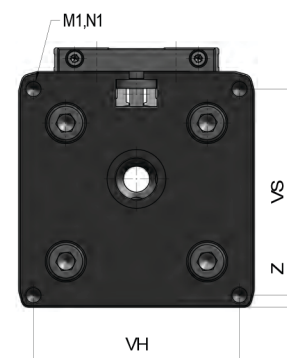
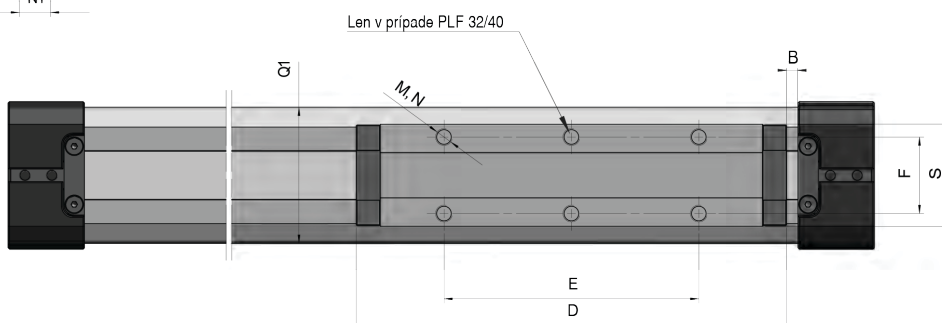


| Ø [mm] | A | B | C | D | E | E1 | F | G | I | L | M | M1 | N1 | N2 | P-P1 |
|--------|-----|----|----|-----|-----|-----|----|------|----|------|----|----|----|----|-------------|
| Ø16 | 65 | 12 | 15 | 76 | 48 | 32 | 10 | M5 | 6 | 5,5 | M4 | M3 | 7 | 27 | 43,5 - 42,3 |
| Ø16L | 90 | 37 | 15 | 76 | 48 | 32 | 10 | M5 | 6 | 5,5 | M4 | M3 | 7 | 27 | 43,5 - 42,3 |
| Ø25 | 100 | 17 | 23 | 120 | 80 | 50 | 15 | G1/8 | 13 | 8,5 | M5 | M5 | 10 | 35 | 66-58 |
| Ø25L | 150 | 67 | 23 | 120 | 80 | 50 | 15 | G1/8 | 13 | 8,5 | M5 | M5 | 10 | 35 | 66-58 |
| Ø32 | 125 | 23 | 27 | 150 | 90 | 55 | 18 | G1/4 | 12 | 10,5 | M6 | M6 | 14 | 41 | 86-82 |
| Ø32L | 200 | 23 | 27 | 300 | 180 | 120 | 18 | G1/4 | 12 | 10,5 | M6 | M6 | 14 | 41 | 86-82 |
| Ø40 | 150 | 45 | 30 | 150 | 90 | 55 | 18 | G1/4 | 12 | 15 | M6 | M6 | 17 | 41 | 97-93 |
| Ø40L | 250 | 70 | 30 | 300 | 180 | 120 | 18 | G1/4 | 12 | 15 | M6 | M6 | 17 | 41 | 97-93 |

| Ø [mm] | P-P1 | P1 | QxQ1 | E2 | H | S | T | VH | WH | VS | WS | Z |
|--------|-------------|------|---------|-----|---|----|---|----|----|----|----|-----|
| Ø16 | 43,5 - 42,3 | 37,5 | 24,5x25 | 64 | 1 | 18 | 4 | 18 | 27 | 18 | 27 | 4,5 |
| Ø16L | 43,5 - 42,3 | 37,5 | 24,5x25 | 64 | 1 | 18 | 4 | 18 | 27 | 18 | 27 | 4,5 |
| Ø25 | 66-58 | 53 | 36x36 | 100 | 2 | 23 | 5 | 27 | 40 | 27 | 40 | 6,5 |
| Ø25L | 66-58 | 53 | 36x36 | 100 | 2 | 23 | 5 | 27 | 40 | 27 | 40 | 6,5 |
| Ø32 | 86-82 | 74 | 52x51 | 110 | 2 | 27 | 6 | 40 | 52 | 40 | 56 | 8 |
| Ø32L | 86-82 | 74 | 52x51 | 240 | 2 | 27 | 6 | 40 | 52 | 40 | 56 | 8 |
| Ø40 | 97-93 | 85 | 58,5x59 | 110 | 7 | 28 | 6 | 54 | 72 | 54 | 69 | 9 |
| Ø40L | 97-93 | 85 | 58,5x59 | 240 | 7 | 28 | 6 | 54 | 72 | 54 | 69 | 9 |



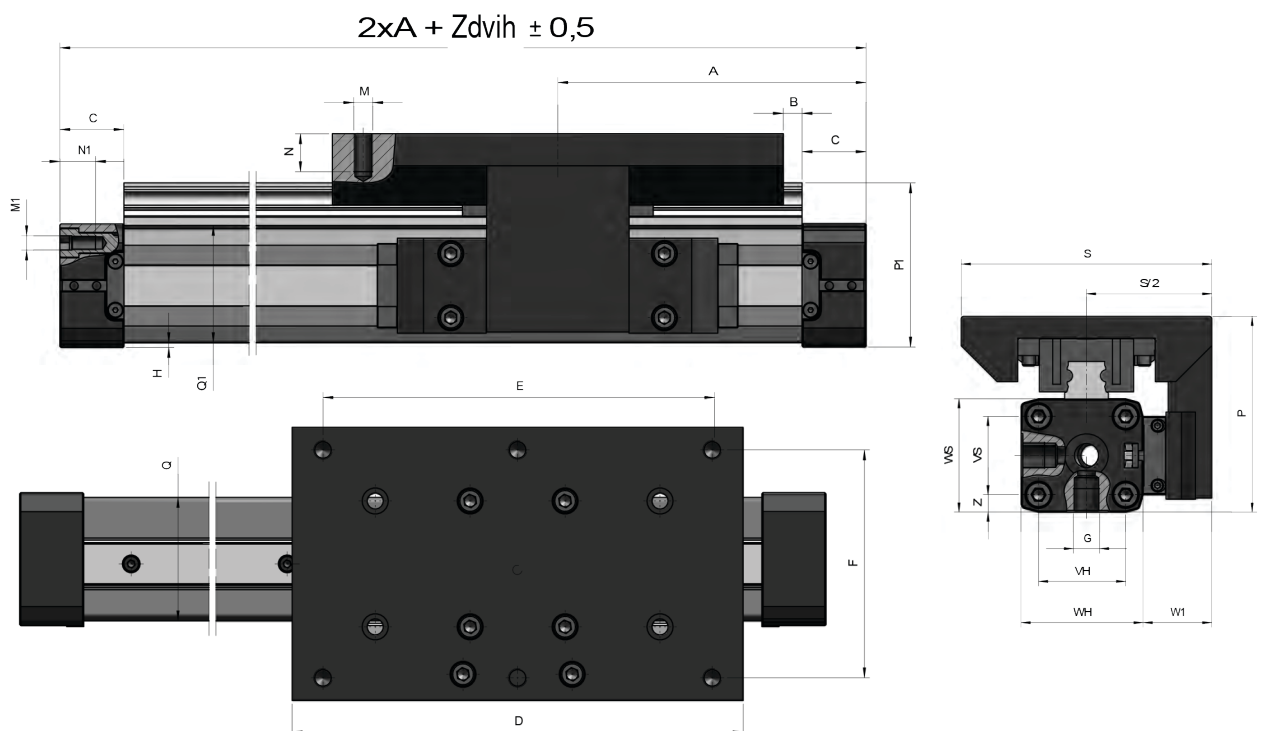
Ø16-32



Ø40-63

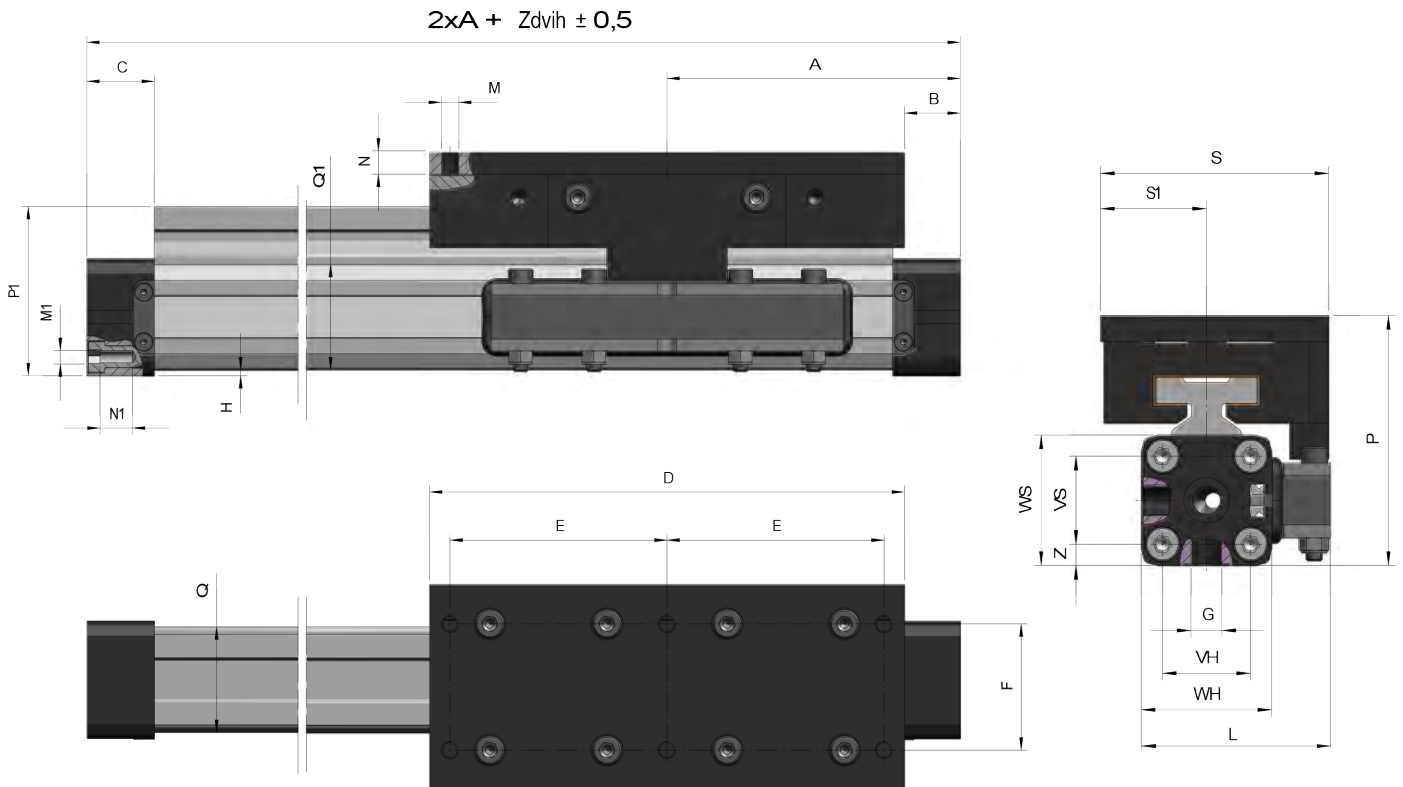
| Ø [mm] | A | B | C | D | E | F | G | H | L | M | M1 |
|--------|-----|------|----|-----|-----|------|------|-----|------|----|----|
| Ø16 | 65 | 15,5 | 15 | 69 | 36 | 16,5 | M5 | 1 | 5,5 | M4 | M3 |
| Ø25 | 100 | 21 | 23 | 111 | 65 | 25 | G1/8 | 2 | 8,5 | M5 | M5 |
| Ø32 | 125 | 22 | 27 | 152 | 90 | 27 | G1/4 | 2 | 10,5 | M6 | M6 |
| Ø40 | 150 | 44 | 30 | 152 | 90 | 27 | G1/4 | 6,8 | 15 | M6 | M6 |
| Ø50 | 175 | 42 | 33 | 200 | 110 | 27 | G1/4 | 0,5 | 11,7 | M6 | M6 |
| Ø63 | 215 | 47,5 | 50 | 235 | 155 | 36 | G3/8 | 1,5 | 25 | M8 | M8 |

| Ø [mm] | N | N1 | P | QxQ1 | S | VS | VH | WS | WH | Z |
|--------|----|----|------|---------|------|----|----|-----|-----|------|
| Ø16 | 7 | 7 | 36,5 | 24,5x25 | 22 | 18 | 18 | 27 | 27 | 4,5 |
| Ø25 | 10 | 12 | 52,5 | 36x36 | 33 | 27 | 27 | 40 | 40 | 6,5 |
| Ø32 | 7 | 14 | 66,5 | 52x51 | 36 | 40 | 36 | 56 | 52 | 8 |
| Ø40 | 10 | 17 | 80 | 58,5x59 | 36,4 | 54 | 54 | 69 | 72 | 9 |
| Ø50 | 6 | 18 | 88 | 77x78 | 56 | 70 | 70 | 80 | 80 | 4 |
| Ø63 | 15 | 18 | 123 | 102x102 | 50 | 78 | 78 | 106 | 106 | 14,5 |

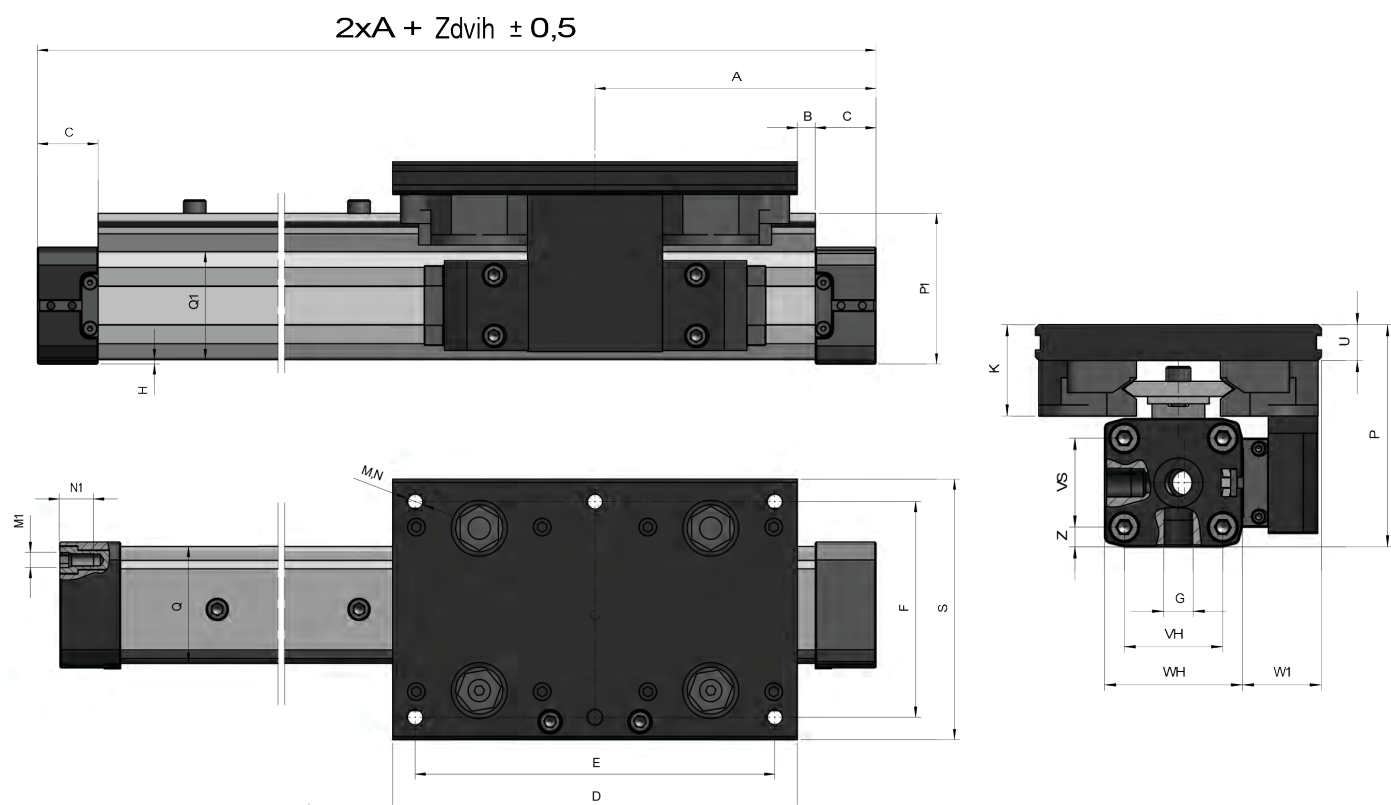
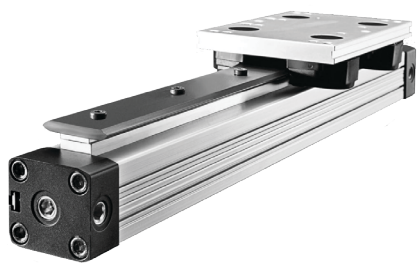


| Ø [mm] | A | B | C | D | E | F | G | H | M | N | M1 | N1 |
|--------|-----|------|----|-----|-----|-----|------|---|----|----|----|----|
| Ø16 | 65 | 5 | 15 | 90 | 70 | 36 | M5 | 1 | M4 | 10 | M3 | 7 |
| Ø25 | 100 | 4,5 | 23 | 145 | 125 | 64 | G1/8 | 2 | M6 | 12 | M5 | 10 |
| Ø32 | 125 | 3 | 27 | 190 | 164 | 96 | G1/4 | 2 | M8 | 13 | M6 | 14 |
| Ø40 | 150 | 25 | 30 | 190 | 164 | 96 | G1/4 | 7 | M8 | 18 | M6 | 17 |
| Ø50 | 175 | 34,5 | 33 | 215 | 180 | 110 | G1/4 | 1 | M8 | 20 | M6 | 18 |
| Ø63 | 215 | 57,5 | 50 | 215 | 180 | 140 | G3/8 | 2 | M8 | 20 | M8 | 18 |

| Ø [mm] | P | P1 | QxQ1 | S | S2 | VH | VS | WH | WS | W1 | Z |
|--------|------|-------|---------|-----|------|----|----|-----|-----|------|-----|
| Ø16 | 48,9 | 34 | 24,5x25 | 63 | 31,5 | 18 | 18 | 27 | 27 | 18 | 4,5 |
| Ø25 | 73 | 52,3 | 36x36 | 80 | 40 | 27 | 27 | 40 | 40 | 20 | 6,5 |
| Ø32 | 90 | 69,3 | 48x52 | 115 | 57,5 | 40 | 36 | 56 | 52 | 30,5 | 8 |
| Ø40 | 105 | 84,3 | 58x58 | 115 | 57,5 | 54 | 54 | 69 | 72 | 24,5 | 9 |
| Ø50 | 130 | 102,3 | 77x78 | 130 | 65 | 70 | 70 | 80 | 80 | 28,5 | 5 |
| Ø63 | 155 | 128,3 | 102x102 | 170 | 85 | 78 | 78 | 106 | 106 | 31,5 | 14 |

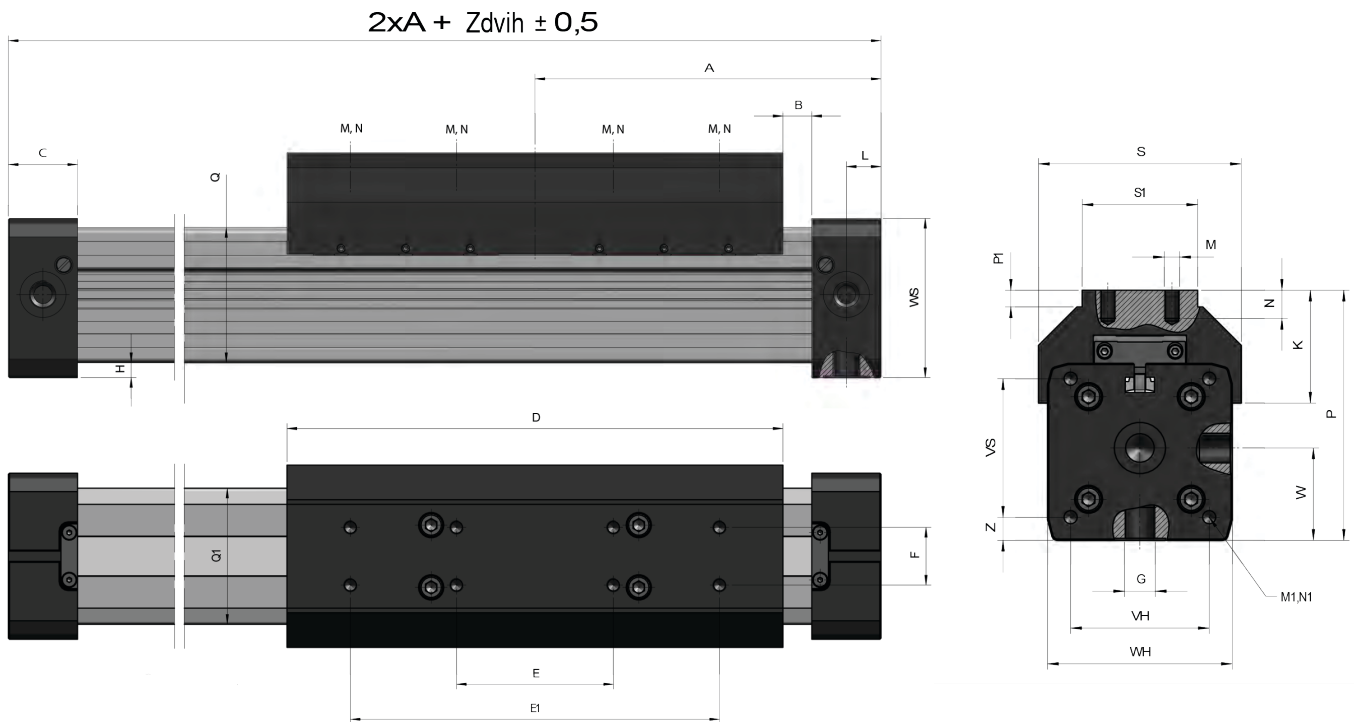


| Ø [mm] | A | C | D | E | F | G | H | L | M | N | M1 | N1 | P | QxQ1 | S | S1 | VH | VS | WH | WS | Z |
|--------|-----|----|-----|----|----|------|-----|------|----|----|----|----|------|---------|----|------|----|----|----|----|-----|
| Ø 16 | 65 | 15 | 90 | 20 | 36 | M5 | 1,5 | 42,3 | M4 | 10 | M3 | 7 | 48,5 | 24,5x25 | 63 | 31,5 | 18 | 18 | 27 | 27 | 4,5 |
| Ø 25 | 100 | 23 | 162 | 74 | 53 | G1/8 | 2 | 59,5 | M6 | 8 | M5 | 10 | 76 | 36x36 | 70 | 32,5 | 27 | 27 | 40 | 40 | 6,5 |
| Ø 32 | 125 | 27 | 162 | 74 | 53 | G1/4 | 2 | 82 | M6 | 8 | M6 | 14 | 88,5 | 52x48 | 70 | 32,5 | 40 | 36 | 52 | 52 | 8 |
| Ø 40 | 150 | 30 | 162 | 74 | 53 | G1/4 | 7 | 93 | M6 | 8 | M6 | 17 | 103 | 58x58 | 70 | 32,5 | 54 | 54 | 69 | 72 | 9 |



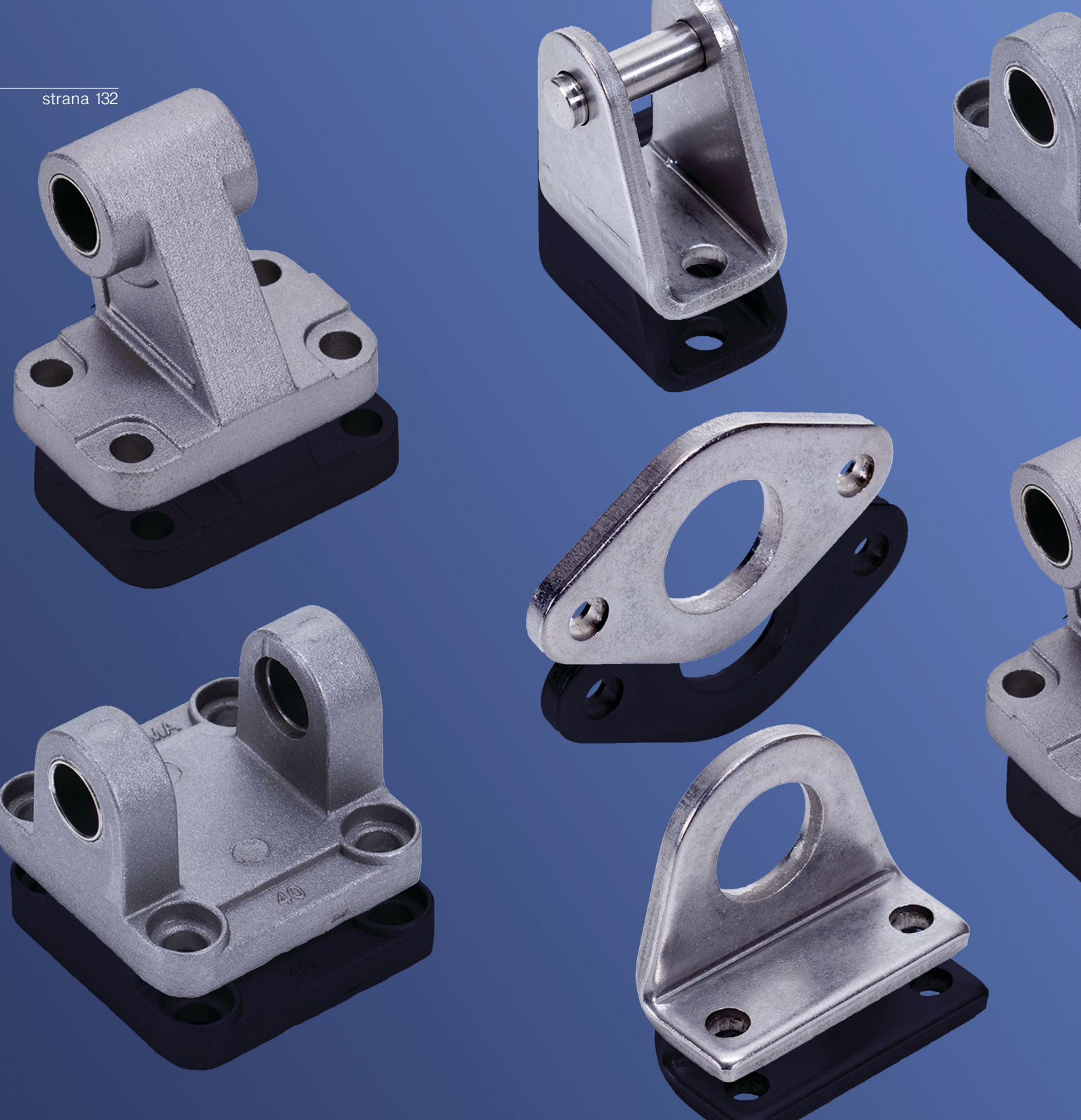
| Ø [mm] | A | B | C | D | E | F | G | H | K | M | N | M1 |
|--------|-----|-----|----|-----|-----|-----|------|------|------|----|------|----|
| Ø 25 | 100 | 9,5 | 23 | 135 | 120 | 65 | G1/8 | 2 | 29,5 | M6 | 11 | M5 |
| Ø 32 | 125 | 8 | 27 | 180 | 160 | 96 | G1/4 | 2 | 37 | M8 | 14,5 | M6 |
| Ø 40 | 150 | 0 | 30 | 240 | 216 | 115 | G1/4 | 6,75 | 39 | M8 | 16,5 | M6 |
| Ø 50 | 175 | 22 | 33 | 240 | 216 | 115 | G1/4 | 1 | 39 | M8 | 16,5 | M6 |

| Ø [mm] | N1 | P | P1 | QxQ1 | S | U | VH | VS | WH | W1 | Z |
|--------|----|-------|------|---------|-----|------|----|----|----|------|-----|
| Ø 25 | 10 | 73,5 | 50,5 | 36x36 | 80 | 11 | 27 | 27 | 40 | 22 | 6,5 |
| Ø 32 | 14 | 90 | 64,5 | 52x48 | 116 | 14,5 | 40 | 36 | 56 | 32 | 8 |
| Ø 40 | 17 | 108,5 | 84 | 58,5x59 | 135 | 16,5 | 54 | 54 | 69 | 34,5 | 9 |
| Ø 50 | 18 | 122 | 97,5 | 77x78 | 135 | 16,5 | 70 | 70 | 80 | 31 | 5 |



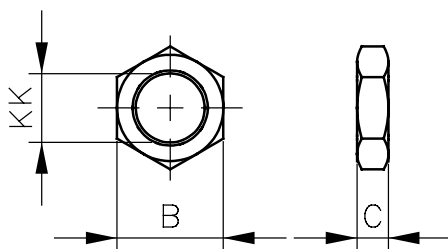
| Ø [mm] | A | B | C | D | E | E1 | F | G | H | K | L | M | N |
|--------|-----|------|----|-----|-----|-----|----|------|-----|------|------|----|----|
| Ø 32 | 125 | 22 | 27 | 152 | 60 | 120 | 25 | G1/4 | 2 | 42,5 | 10,5 | M5 | 10 |
| Ø 40 | 150 | 12,5 | 30 | 215 | 68 | 160 | 25 | G1/4 | 7 | 44 | 15 | M8 | 10 |
| Ø 50 | 175 | 17,5 | 33 | 250 | 84 | 190 | 25 | G1/4 | 0,5 | 48,5 | 11,7 | M8 | 10 |
| Ø 63 | 215 | 6,5 | 55 | 320 | 120 | 240 | 25 | G3/8 | 1,5 | 56 | 25 | M8 | 14 |

| Ø [mm] | M1 | N1 | P | P1 | QxQ1 | S | S1 | VH | VS | W | WH | WS | Z |
|--------|----|----|------|-----|---------|-----|----|----|----|------|-----|-----|------|
| Ø 32 | M6 | 14 | 81,5 | 6,5 | 52x51 | 66 | 40 | 36 | 40 | 30 | 52 | 56 | 8 |
| Ø 40 | M6 | 17 | 97,5 | 6,5 | 58,5x59 | 79 | 45 | 54 | 54 | 36 | 72 | 69 | 9 |
| Ø 50 | M6 | 18 | 110 | 6,5 | 77x78 | 92 | 50 | 70 | 70 | 43,5 | 80 | 80 | 4 |
| Ø 63 | M8 | 18 | 137 | 5 | 102x102 | 116 | 50 | 78 | 78 | 62,5 | 106 | 106 | 14,5 |



Príslušenstvo k valcom

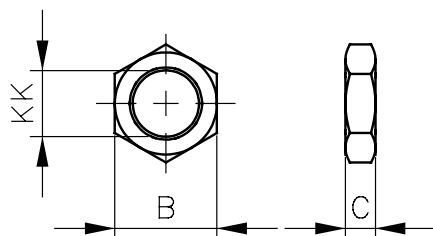
Príslušenstvo pre montáž na piestnu tyč



Upevňovacia matica

UA

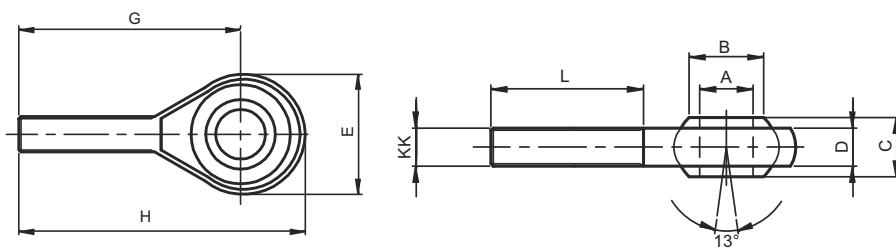
| Typ | Prípoj | KK | B | C |
|-------------|----------|----------|----|-----|
| UA-M4 | M4 | M4 | 7 | 3,2 |
| UA-M6 | M6 | M6 | 10 | 5 |
| UA-M8 | M8 | M8 | 13 | 6,5 |
| UA-M10x1,25 | M10x1,25 | M10x1,25 | 17 | 5 |
| UA-M12x1,25 | M12x1,25 | M12x1,25 | 19 | 6 |
| UA-M16x1,5 | M16x1,5 | M16x1,5 | 24 | 8 |
| UA-M20x1,5 | M20x1,5 | M20x1,5 | 30 | 10 |
| UA-M27x2 | M27x2 | M27x2 | 41 | 13 |



Upevňovacia matica z nehrdzavejúcej ocele

UAX

| Typ | Prípoj | KK | B | C |
|--------------|----------|----------|----|-----|
| UAX-M6 | M6 | M6 | 7 | 3,2 |
| UAX-M8 | M8 | M8 | 10 | 5 |
| UAX-M10x1,25 | M10x1,25 | M10x1,25 | 13 | 6,5 |



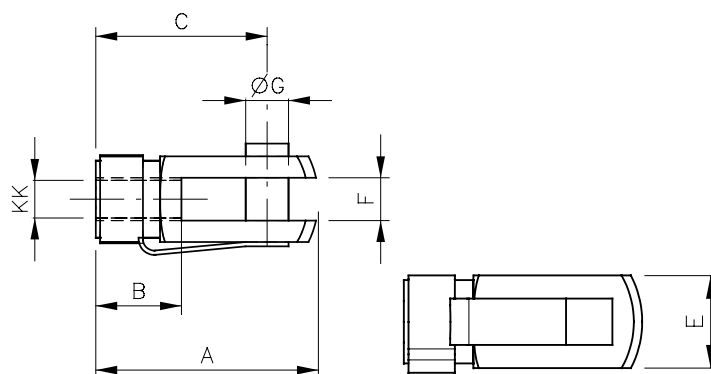
Kĺbová hlavica s vonkajším závitom

UKF

| Typ | Prípoj | KK | A | B | C | D | E | G | H | L |
|---------|--------|-----|----|------|----|------|----|----|----|----|
| UKF-M5 | M5 | M5 | 5 | 7,5 | 8 | 7,5 | 18 | 33 | 42 | 19 |
| UKF-M6 | M6 | M6 | 6 | 8,9 | 9 | 7,5 | 20 | 36 | 46 | 21 |
| UKF-M8 | M8 | M8 | 8 | 10,4 | 12 | 9,5 | 24 | 42 | 54 | 25 |
| UKF-M10 | M10 | M10 | 10 | 12,9 | 14 | 11,5 | 30 | 48 | 63 | 28 |
| UKF-M12 | M12 | M12 | 12 | 15,4 | 16 | 12,5 | 34 | 54 | 71 | 32 |

Príslušenstvo pre montáž na piestnu tyč

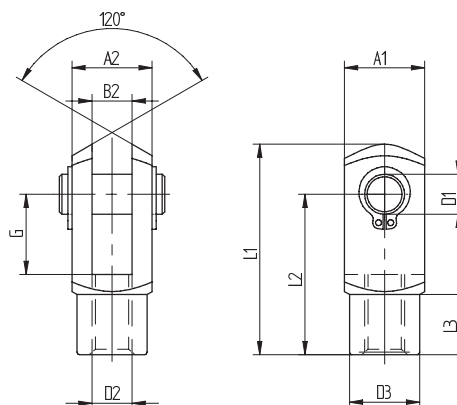
strana 134



UV

Vidlicová koncovka s upevňovacím čapom

| Typ | Prípoj | KK | A | B | C | E | F | G |
|-------------|----------|----------|-----|----|-----|----|----|----|
| UV-M4 | M4 | M4 | 21 | 8 | 16 | 8 | 4 | 4 |
| UV-M6 | M6 | M6 | 31 | 12 | 24 | 12 | 6 | 6 |
| UV-M8 | M8 | M8 | 42 | 16 | 32 | 16 | 8 | 8 |
| UV-M10x1,25 | M10x1,25 | M10x1,25 | 52 | 20 | 40 | 20 | 10 | 10 |
| UV-M12x1,25 | M12x1,25 | M12x1,25 | 62 | 24 | 48 | 24 | 12 | 12 |
| UV-M16x1,5 | M16x1,5 | M16x1,5 | 83 | 32 | 64 | 32 | 16 | 16 |
| UV-M20x1,5 | M20x1,5 | M20x1,5 | 105 | 40 | 80 | 40 | 20 | 20 |
| UV-M27x2 | M27x2 | M27x2 | 148 | 56 | 110 | 55 | 30 | 30 |
| UV-M36x2 | M36x2 | M36x2 | 188 | 72 | 144 | 70 | 35 | 35 |
| UV-M42x2 | M42x2 | M42x2 | 232 | 84 | 168 | 85 | 42 | 42 |

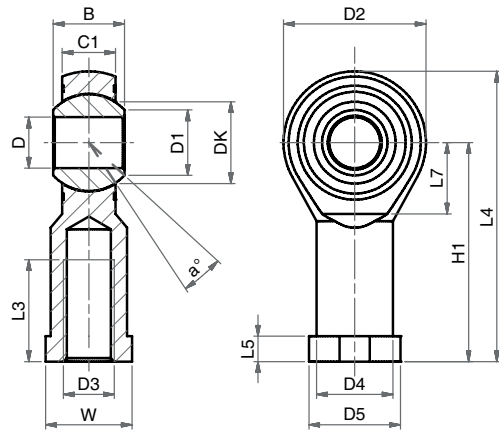


UVX

Vidlicová koncovka s upevňovacím čapom INOX

| Typ | A1 | A2 | B2 | G | L1 | L2 | L3 | D2 | D3 | D1 |
|--------------|----|----|----|----|-----|-----|----|----------|----|----|
| UVX-M6 | 12 | 12 | 6 | 12 | 31 | 24 | 9 | M6x1 | 10 | 6 |
| UVX-M8 | 16 | 16 | 8 | 16 | 42 | 32 | 12 | M8x1,25 | 14 | 8 |
| UVX-M10x1,25 | 20 | 20 | 10 | 20 | 52 | 40 | 15 | M10x1,25 | 18 | 10 |
| UVX-M12x1,25 | 24 | 24 | 12 | 24 | 62 | 48 | 18 | M12x1,25 | 20 | 12 |
| UVX-M16x1,5 | 32 | 32 | 16 | 32 | 83 | 64 | 24 | M16x1,5 | 26 | 16 |
| UVX-M20x1,5 | 40 | 40 | 20 | 40 | 105 | 80 | 30 | M20x1,5 | 34 | 20 |
| UVX-M27x1,5 | 55 | 55 | 30 | 54 | 148 | 110 | 38 | M27x2 | 48 | 30 |
| UVX-M36x2 | 70 | 70 | 35 | 72 | 188 | 144 | 40 | M36x2 | 60 | 35 |

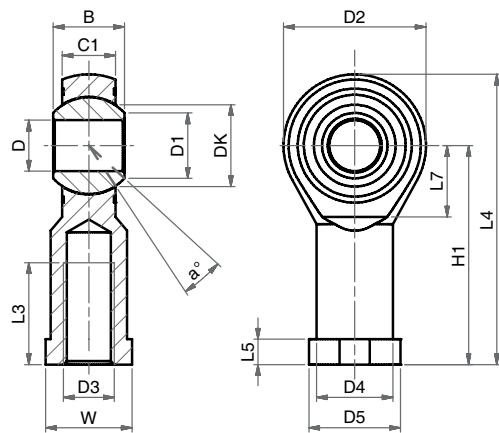
Príslušenstvo pre montáž na piestnu tyč



Klíbová hlavica
s vnútorným závitom

UK

| Typ | a° | B | C1 | D1 | D2 | D3 | D4 | D5 | DK | ØD | H1 | L3 | L4 | L5 | L7 | W |
|-------------|----|----|------|------|----|----------|------|----|-------|----|-----|----|-----|-----|----|----|
| UK-M4 | 13 | 8 | 6 | 7,7 | 18 | M4 | 9 | 11 | 11,11 | 5 | 27 | 10 | 36 | 4 | 10 | 9 |
| UK-M6 | 13 | 9 | 6,75 | 8,9 | 20 | M6 | 10 | 13 | 12,7 | 6 | 30 | 12 | 40 | 5 | 11 | 11 |
| UK-M8 | 14 | 12 | 9 | 10,4 | 24 | M8 | 12,5 | 16 | 15,87 | 8 | 36 | 16 | 48 | 5 | 13 | 14 |
| UK-M10x1,25 | 13 | 14 | 10,5 | 12,9 | 28 | M10x1,25 | 15 | 19 | 19,05 | 10 | 43 | 20 | 57 | 6,5 | 15 | 17 |
| UK-M12x1,25 | 13 | 16 | 12 | 15,4 | 32 | M12x1,25 | 1,75 | 22 | 22,22 | 12 | 50 | 22 | 66 | 6,5 | 17 | 19 |
| UK-M16x1,5 | 15 | 21 | 15 | 19,3 | 42 | M16x1,5 | 22 | 27 | 28,57 | 16 | 64 | 28 | 85 | 8 | 23 | 22 |
| UK-M20x1,5 | 14 | 25 | 18 | 24,3 | 50 | M20x1,5 | 27,5 | 34 | 34,92 | 20 | 77 | 33 | 102 | 10 | 27 | 30 |
| UK-M27x2 | 17 | 37 | 25 | 34,8 | 70 | M27x2 | 40 | 50 | 50,8 | 30 | 110 | 51 | 145 | 15 | 36 | 41 |
| UK-M36x2 | 16 | 43 | 28 | 37,7 | 80 | M36x2 | 46 | 58 | 57,15 | 35 | 125 | 56 | 165 | 17 | 41 | 50 |
| UK-M42x2 | 16 | 49 | 33 | 45,1 | 91 | M42x2 | 53 | 65 | 66,6 | 40 | 142 | 60 | 187 | 19 | 45 | 55 |

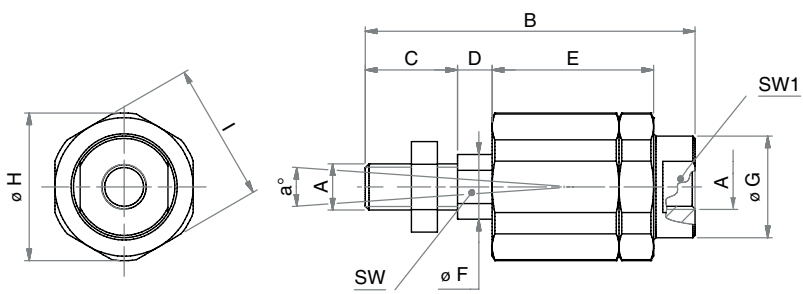
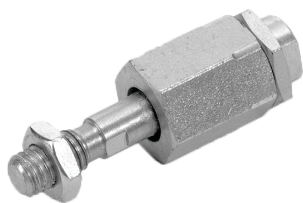


Klíbová hlavica
s vnútorným závitom

UKX

| Typ | a° | B | C1 | D1 | D2 | D3 | D4 | D5 | DK | ØD | H1 | L3 | L4 | L5 | L7 | W |
|--------------|----|----|------|------|----|----------|------|----|-------|----|-----|----|-----|-----|----|----|
| UKX-M4 | 13 | 8 | 6 | 7,7 | 18 | M4 | 9 | 11 | 11,11 | 5 | 27 | 10 | 36 | 4 | 10 | 9 |
| UKX-M6 | 13 | 9 | 6,75 | 8,9 | 20 | M6 | 10 | 13 | 12,7 | 6 | 30 | 12 | 40 | 5 | 11 | 11 |
| UKX-M8 | 14 | 12 | 9 | 10,4 | 24 | M8 | 12,5 | 16 | 15,87 | 8 | 36 | 16 | 48 | 5 | 13 | 14 |
| UKX-M10x1,25 | 13 | 14 | 10,5 | 12,9 | 28 | M10x1,25 | 15 | 19 | 19,05 | 10 | 43 | 20 | 57 | 6,5 | 15 | 17 |
| UKX-M12x1,25 | 13 | 16 | 12 | 15,4 | 32 | M12x1,25 | 1,75 | 22 | 22,22 | 12 | 50 | 22 | 66 | 6,5 | 17 | 19 |
| UKX-M16x1,5 | 15 | 21 | 15 | 19,3 | 42 | M16x1,5 | 22 | 27 | 28,57 | 16 | 64 | 28 | 85 | 8 | 23 | 22 |
| UKX-M20x1,5 | 14 | 25 | 18 | 24,3 | 50 | M20x1,5 | 27,5 | 34 | 34,92 | 20 | 77 | 33 | 102 | 10 | 27 | 30 |
| UKX-M27x2 | 17 | 37 | 25 | 34,8 | 70 | M27x2 | 40 | 50 | 50,8 | 30 | 110 | 51 | 145 | 15 | 36 | 41 |
| UKX-M36x2 | 16 | 43 | 28 | 37,7 | 80 | M36x2 | 46 | 58 | 57,15 | 35 | 125 | 56 | 165 | 17 | 41 | 50 |
| UKX-M42x2 | 16 | 49 | 33 | 45,1 | 91 | M42x2 | 53 | 65 | 66,6 | 40 | 142 | 60 | 187 | 19 | 45 | 55 |

Príslušenstvo pre montáž na piestnu tyč

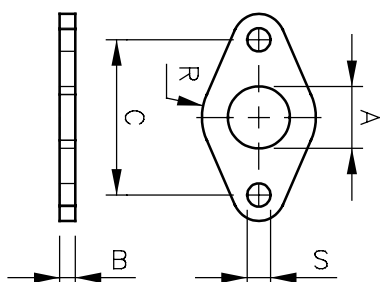


FK

Flexibilná spojka

| Typ | Prípoj A | a° | B | C | D | E | ØF | ØG | ØH | I | SW | SW1 |
|-------------|----------|----|------|----|-----|------|----|------|------|----|----|-----|
| FK-M6 | M6 | 6 | 35 | 11 | 2,5 | 17,5 | 6 | 8,5 | 14,5 | 13 | 5 | 7 |
| FK-M8 | M8 | 8 | 57 | 21 | 5 | 26 | 8 | 12,5 | 19 | 17 | 7 | 11 |
| FK-M10x1,25 | M10x1,25 | 8 | 71,5 | 20 | 7,5 | 35 | 14 | 22 | 32 | 30 | 12 | 19 |
| FK-M12x1,25 | M12x1,25 | 8 | 75,5 | 24 | 7,5 | 35 | 14 | 22 | 32 | 30 | 12 | 19 |
| FK-M16x1,5 | M16x1,5 | 6 | 104 | 32 | 10 | 53 | 22 | 32 | 45 | 41 | 20 | 27 |
| FK-M20x1,5 | M20x1,5 | 6 | 119 | 40 | 10 | 53 | 22 | 32 | 45 | 41 | 20 | 27 |
| FK-M27x2 | M27x2 | 8 | 147 | 54 | 10 | 60 | 32 | 57 | 70 | 65 | 24 | 54 |

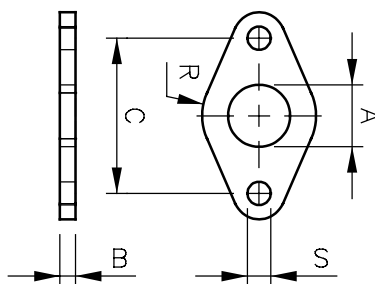
Príslušenstvo ku kruhovým valcom | ISO 6432



RF

Príruba k valcom série R

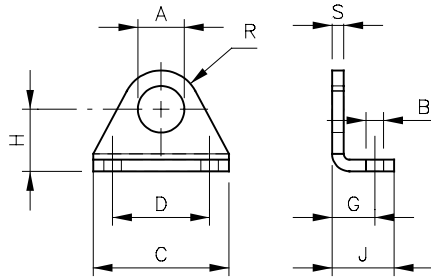
| Typ | Priemer piestu | A | B | C | R | S |
|----------|----------------|----|---|----|----|-----|
| RF 8-10 | Ø8-10 | 12 | 3 | 30 | 9 | 4,5 |
| RF 12-16 | Ø12-16 | 16 | 4 | 40 | 13 | 5,5 |
| RF 20-25 | Ø20-25 | 22 | 5 | 50 | 19 | 6,5 |



RFX

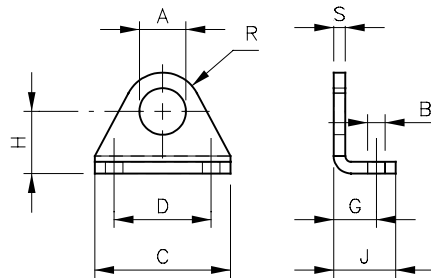
Príruba z nehrdzavejúcej ocele k valcom série R

| Typ | Priemer piestu | A | B | C | R | S |
|-----------|----------------|----|---|----|----|-----|
| RFX 16 | Ø16 | 16 | 4 | 40 | 13 | 5,5 |
| RFX 20-25 | Ø20-25 | 22 | 5 | 50 | 19 | 6,5 |


RL

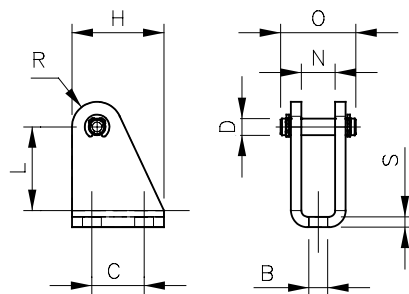
Pätkové upevnenie k valcom série R

| Typ | Priemer piestu | A | B | C | D | G | H | J | R | S |
|----------|----------------|----|-----|----|----|----|----|----|------|---|
| RL 8-10 | Ø8-10 | 12 | 4,5 | 35 | 25 | 11 | 16 | 16 | 10 | 3 |
| RL 12-16 | Ø12-16 | 16 | 5,5 | 42 | 32 | 14 | 20 | 20 | 13,5 | 4 |
| RL 20-25 | Ø20-25 | 22 | 6,6 | 54 | 40 | 17 | 25 | 25 | 18 | 5 |


RLX

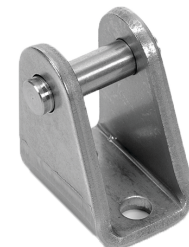
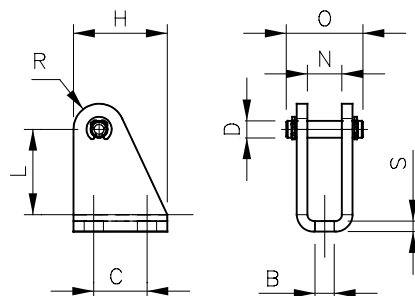
Pätkové upevnenie z nehrdzavejúcej ocele k valcom série R

| Typ | Priemer piestu | A | B | C | D | G | H | J | R | S |
|-----------|----------------|----|-----|----|----|----|----|----|------|---|
| RLX 16 | Ø16 | 16 | 5,5 | 42 | 32 | 14 | 20 | 20 | 13,5 | 4 |
| RLX 20-25 | Ø20-25 | 22 | 6,6 | 54 | 40 | 17 | 25 | 25 | 18 | 5 |


RG

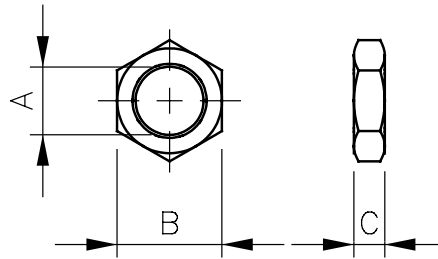
Ložiskové puzdro k valcom série R

| Typ | Priemer piestu | B | C | D | H | L | N | O | R | S |
|----------|----------------|-----|------|---|----|----|------|------|----|-----|
| RG 8-10 | Ø8-10 | 4,5 | 12,5 | 4 | 20 | 24 | 8,1 | 17 | 5 | 2,5 |
| RG 12-16 | Ø12-16 | 5,5 | 15 | 6 | 25 | 27 | 12,1 | 23 | 7 | 3 |
| RG 20-25 | Ø20-25 | 6,6 | 20 | 8 | 32 | 30 | 16,1 | 29,5 | 10 | 4 |


RGX

Ložiskové puzdro z nehrdzavejúcej ocele k valcom série R

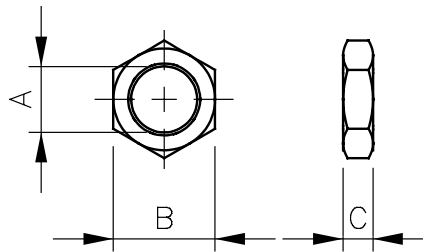
| Typ | Priemer piestu | B | C | D | H | L | N | O | R | S |
|-----------|----------------|-----|----|---|----|----|------|------|----|---|
| RGX 16 | Ø16 | 5,5 | 15 | 6 | 25 | 27 | 12,1 | 23 | 7 | 3 |
| RGX 20-25 | Ø20-25 | 6,6 | 20 | 8 | 32 | 30 | 16,1 | 29,5 | 10 | 4 |



RA

Upevňovacia matica k valcom série R

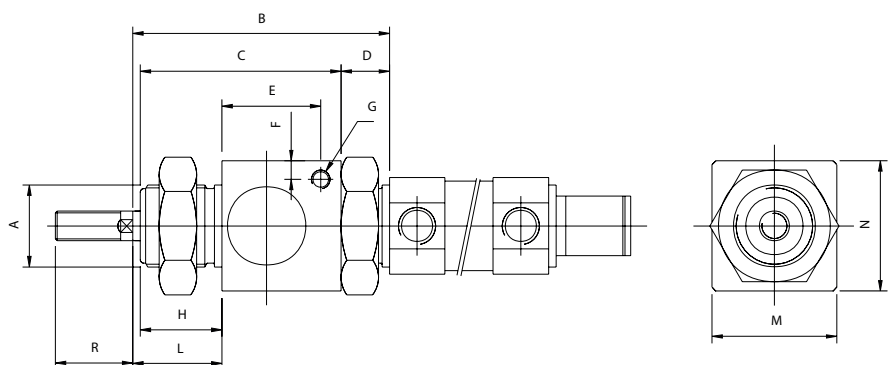
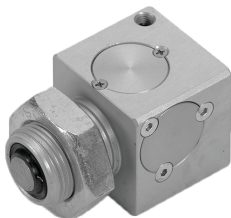
| Typ | Priemer piestu | A | B | C |
|----------|----------------|----------|----|---|
| RA 8-10 | Ø8-10 | M12x1,25 | 19 | 7 |
| RA 12-16 | Ø12-16 | M16x1,5 | 22 | 6 |
| RA 20-25 | Ø20-25 | M22x1,5 | 27 | 8 |



RAX

Upevňovacia matica z nehrdzavejúcej ocele k valcom série R

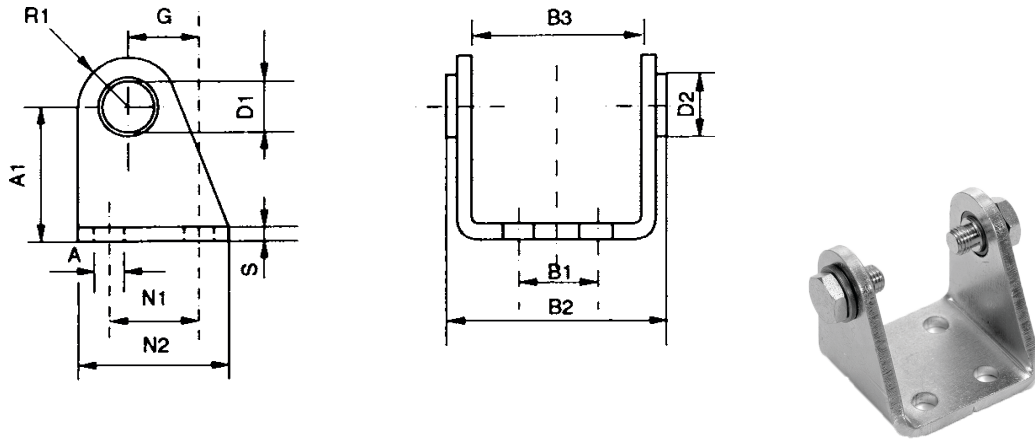
| Typ | Priemer piestu | A | B | C |
|-----------|----------------|---------|----|---|
| RAX 16 | Ø16 | M16x1,5 | 22 | 6 |
| RAX 20-25 | Ø20-25 | M22x1,5 | 27 | 8 |



MRL

Brzda k valcom série R

| Typ | Priemer piestu | A | B | C | D | E | F | G | H | L | M | N | R |
|--------|----------------|---------|------|----|----|----|---|----|----|------|----|----|----|
| MRL 20 | Ø20 | M22x1,5 | 68,5 | 54 | 13 | 27 | 5 | M5 | 22 | 23,5 | 34 | 35 | 23 |
| MRL 25 | Ø25 | M22x1,5 | 68,5 | 54 | 13 | 27 | 5 | M5 | 22 | 24,5 | 34 | 35 | 26 |

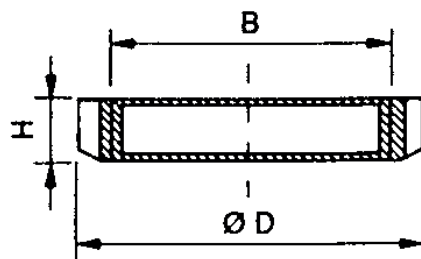


Ložiskové puzdro
k valcom série A

ACC

| Typ | Priemer piestu | D1 | D2 | A | A1 | G | M1 | N1 | N2 |
|--------|----------------|----|----|---|----|----|---------|----|----|
| ACC 32 | Ø32 | 10 | 16 | 7 | 35 | 20 | M8x1 | 24 | 40 |
| ACC 40 | Ø40 | 12 | 18 | 9 | 40 | 27 | M10x1 | 30 | 50 |
| ACC 50 | Ø50 | 14 | 23 | 9 | 45 | 30 | M12x1,5 | 34 | 54 |
| ACC 63 | Ø63 | 16 | 24 | 9 | 50 | 34 | M14x1,5 | 35 | 65 |

| Típuszám | Priemer piestu | R1 | S | CH2 | B1 | B2 | B3 | V | C1 | C2 |
|----------|----------------|----|---|-----|----|------|------|---|----|------|
| ACC 32 | Ø32 | 12 | 4 | 13 | 20 | 50,1 | 38,1 | 4 | 6 | 18 |
| ACC 40 | Ø40 | 13 | 5 | 17 | 28 | 60,1 | 46,1 | 5 | 7 | 21,6 |
| ACC 50 | Ø50 | 14 | 6 | 19 | 36 | 74,1 | 57,1 | 6 | 9 | 26,4 |
| ACC 63 | Ø63 | 16 | 6 | 19 | 42 | 88,1 | 70,1 | 6 | 15 | 34 |



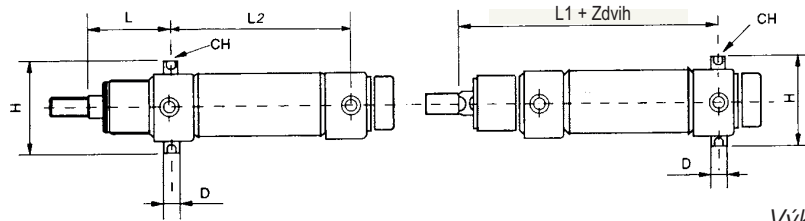
Upevňovacia matica k
valcom série A

AGT

| Typ | Priemer piestu | B | D | H |
|-----------|----------------|---------|----|---|
| AGT 32 | Ø32 | M30x1,5 | 45 | 7 |
| AGT 40 | Ø40 | M38x1,5 | 50 | 8 |
| AGT 50-63 | Ø50-63 | M45x1,5 | 58 | 9 |

Príslušenstvo ku kruhovým valcom | Séria A

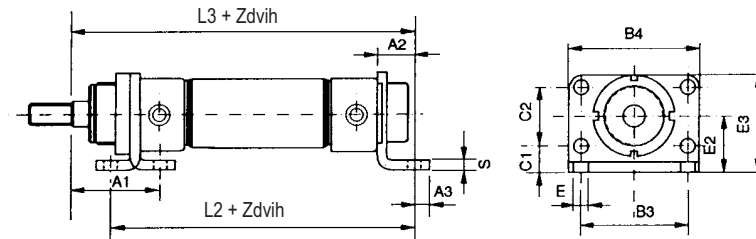
strana 140



APE

Výkyvný čap
k valcom série A

| Typ | Priemer piestu | D | H | L1 | L2 | L | CH |
|--------|----------------|----|----|-----|----|----|----|
| APE 32 | Ø32 | 10 | 51 | 125 | 78 | 47 | 5 |
| APE 40 | Ø40 | 12 | 61 | 144 | 87 | 57 | 6 |
| APE 50 | Ø50 | 14 | 75 | 158 | 96 | 62 | 6 |
| APE 63 | Ø63 | 16 | 90 | 161 | 98 | 63 | 8 |

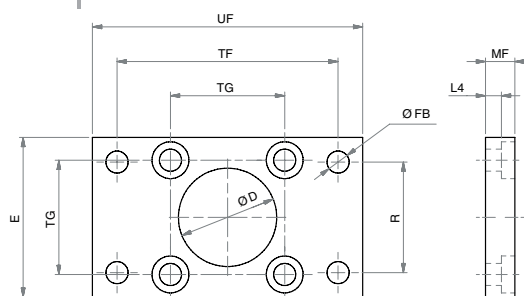


APD

Pätkové upevnenie k
valcom série A

| Typ | Priemer piestu | E | E2 | E3 | C1 | C2 | L2 | L3 | B3 | B4 | S | A1 | A2 | A3 |
|--------|----------------|---|----|----|----|----|-----|-----|----|----|---|----|----|----|
| APD 32 | Ø32 | 7 | 28 | 49 | 14 | 28 | 124 | 148 | 52 | 66 | 4 | 48 | 14 | 7 |
| APD 40 | Ø40 | 9 | 33 | 58 | 18 | 30 | 151 | 176 | 60 | 80 | 5 | 60 | 20 | 10 |
| APD 50 | Ø50 | 9 | 40 | 70 | 20 | 40 | 160 | 190 | 70 | 90 | 6 | 64 | 20 | 10 |
| APD 63 | Ø63 | 9 | 45 | 80 | 20 | 50 | 164 | 194 | 76 | 96 | 6 | 65 | 20 | 10 |

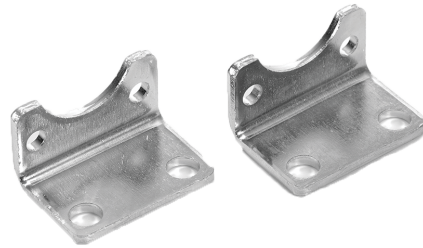
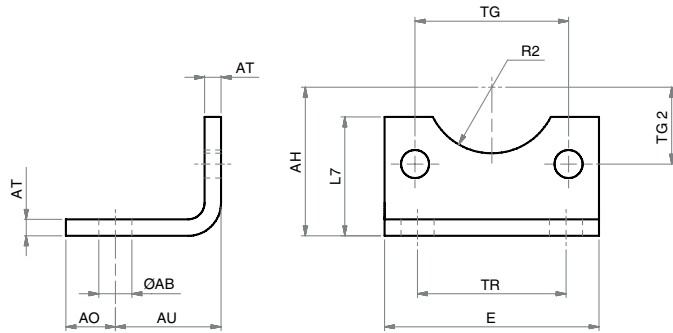
Príslušenstvo pre normalizované a kompaktné valce | ISO



DF

Príruba s rozmermi
upevnenia podľa
ISO-VDMA

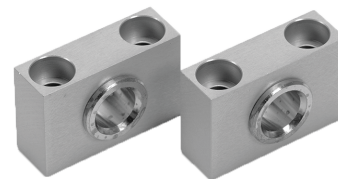
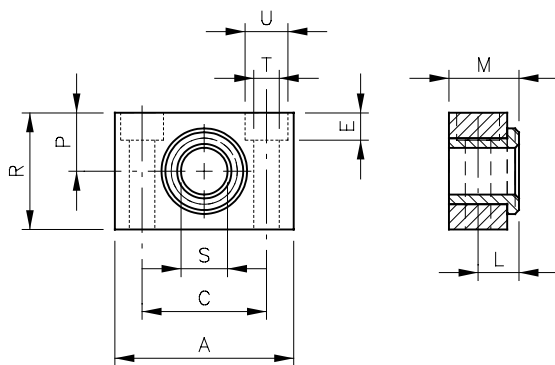
| Typ | Priemer piestu | E | L4 | MF | ØD | ØFB | R | TF | TG | UF |
|--------|----------------|-----|------|----|----|-----|----|-----|------|-----|
| DF 32 | Ø32 | 45 | 5 | 10 | 30 | 7 | 32 | 64 | 32,5 | 80 |
| DF 40 | Ø40 | 52 | 5 | 10 | 35 | 9 | 36 | 72 | 38 | 90 |
| DF 50 | Ø50 | 65 | 6,5 | 12 | 40 | 9 | 45 | 90 | 46,5 | 110 |
| DF 63 | Ø63 | 75 | 6,5 | 12 | 45 | 9 | 50 | 100 | 56,5 | 120 |
| DF 80 | Ø80 | 95 | 9 | 16 | 45 | 12 | 63 | 126 | 72 | 150 |
| DF 100 | Ø100 | 115 | 9 | 16 | 55 | 14 | 75 | 150 | 89 | 170 |
| DF 125 | Ø125 | 140 | 10,5 | 20 | 60 | 16 | 90 | 180 | 110 | 205 |



Pätkové upevnenie s rozmermi
upevnenia podľa ISO-VDMA

DL

| Typ | Priemer piestu | AH | AO | AT | AU | E | L7 | ØAB | R2 | TG2 | TG | TR |
|--------|----------------|-----|----|----|----|-----|-----|------|------|-------|------|-----|
| DL 32 | Ø32 | 32 | 11 | 4 | 24 | 45 | 30 | 7 | 15 | 16,25 | 32,5 | 32 |
| DL 40 | Ø40 | 36 | 8 | 4 | 28 | 52 | 30 | 10 | 17,5 | 19 | 38 | 36 |
| DL 50 | Ø50 | 45 | 15 | 5 | 32 | 65 | 36 | 10 | 20 | 23,25 | 46,5 | 45 |
| DL 63 | Ø63 | 50 | 13 | 5 | 32 | 75 | 35 | 10 | 22,5 | 28,25 | 56,5 | 50 |
| DL 80 | Ø80 | 63 | 14 | 6 | 41 | 95 | 47 | 12 | 22,5 | 36 | 72 | 63 |
| DL 100 | Ø100 | 71 | 16 | 6 | 41 | 115 | 53 | 14,5 | 27,5 | 44,5 | 89 | 75 |
| DL 125 | Ø125 | 90 | 25 | 8 | 45 | 140 | 70 | 16,5 | 30 | 55 | 110 | 90 |
| DL 160 | Ø160 | 115 | 15 | 10 | 60 | 180 | 100 | 18,5 | 32,5 | 70 | 140 | 115 |
| DL 200 | Ø200 | 135 | 30 | 12 | 70 | 220 | 109 | 24 | 37,5 | 87,5 | 175 | 135 |

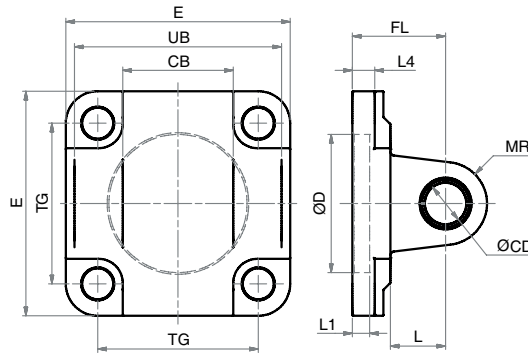
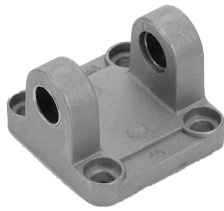


Konzola na upevnenie

DSL

| Typ | Priemer piestu | A | C | E | L | M | P | R | S | T | U |
|-------------|----------------|----|----|----|------|------|----|----|----|-----|----|
| DSL 32 | Ø32 | 46 | 32 | 7 | 10,5 | 18 | 15 | 30 | 12 | 6,6 | 11 |
| DSL 40-50 | Ø40-50 | 55 | 36 | 9 | 12 | 21 | 18 | 36 | 16 | 9 | 15 |
| DSL 63-80 | Ø63-80 | 65 | 42 | 11 | 13 | 23 | 20 | 40 | 20 | 11 | 18 |
| DSL 100-125 | Ø100-125 | 75 | 50 | 13 | 16 | 28,5 | 25 | 50 | 25 | 14 | 20 |

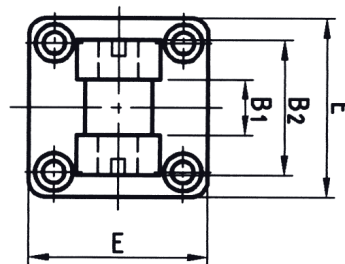
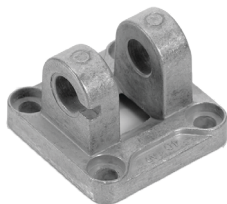
Príslušenstvo pre normalizované a kompaktné valce | ISO



Vidlicová príruha s rozmermi upevnenia podľa ISO-VDMA

DG

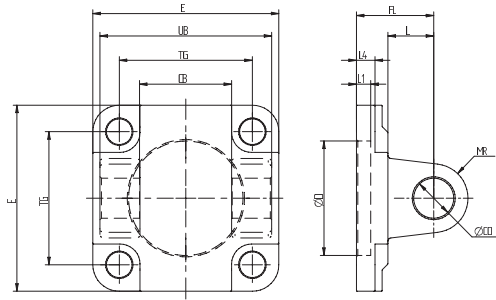
| Typ | Priemer piestu | CB | E | FL | L1 | L4 | L | MR | ØCD | ØD | TG | UB |
|--------|----------------|-----|-----|----|----|-----|----|----|-----|-----|------|-----|
| DG 32 | Ø32 | 26 | 45 | 22 | 5 | 5,5 | 13 | 10 | 10 | 30 | 32,5 | 45 |
| DG 40 | Ø40 | 28 | 52 | 25 | 5 | 5,5 | 16 | 12 | 12 | 35 | 38 | 52 |
| DG 50 | Ø50 | 32 | 65 | 27 | 5 | 6,5 | 16 | 12 | 12 | 40 | 46,5 | 60 |
| DG 63 | Ø63 | 40 | 75 | 32 | 5 | 6,5 | 21 | 16 | 16 | 45 | 56,5 | 70 |
| DG 80 | Ø80 | 50 | 93 | 36 | 5 | 10 | 22 | 16 | 16 | 45 | 72 | 90 |
| DG 100 | Ø100 | 60 | 110 | 41 | 5 | 10 | 27 | 20 | 20 | 55 | 89 | 110 |
| DG 125 | Ø125 | 70 | 134 | 50 | 7 | 10 | 30 | 25 | 25 | 60 | 110 | 130 |
| DG 160 | Ø160 | 90 | 180 | 55 | 7 | 10 | 35 | 25 | 30 | 65 | 140 | 170 |
| DG 200 | Ø200 | 90 | 220 | 60 | 7 | 10 | 35 | 25 | 30 | 75 | 175 | 170 |
| DG 250 | Ø250 | 110 | 270 | 70 | - | 17 | 45 | 40 | 40 | 90 | 220 | 200 |
| DG 320 | Ø320 | 120 | 350 | 80 | - | 22 | 50 | 45 | 45 | 110 | 270 | 220 |



DGS

Vidlicová príruha ku klbovej príruhe

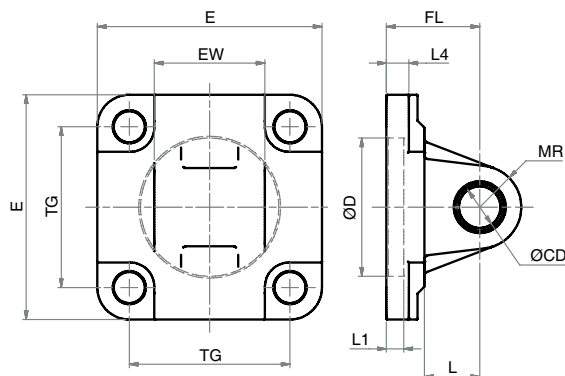
| Typ | Priemer piestu | B1 | B2 | CN | E | FL | R1 | R2 | XD |
|---------|----------------|----|----|----|-----|----|----|----|-----|
| DGS 32 | Ø32 | 14 | 34 | 10 | 45 | 22 | 10 | 17 | 142 |
| DGS 40 | Ø40 | 16 | 40 | 12 | 52 | 25 | 12 | 20 | 160 |
| DGS 50 | Ø50 | 21 | 45 | 16 | 65 | 27 | 14 | 22 | 170 |
| DGS 63 | Ø63 | 21 | 51 | 16 | 75 | 32 | 18 | 25 | 190 |
| DGS 80 | Ø80 | 25 | 65 | 20 | 95 | 36 | 20 | 30 | 210 |
| DGS 100 | Ø100 | 25 | 75 | 20 | 115 | 41 | 22 | 32 | 230 |
| DGS 125 | Ø125 | 37 | 97 | 30 | 140 | 50 | 25 | 42 | 275 |



Vidlicová príruha
INOX

DGX

| Typ | Priemer piestu | CB | E | FL | L1 | L4 | L | MR | CD | D | TG | UB |
|---------|----------------|----|-----|----|----|-----|----|----|----|----|------|-----|
| DGX 32 | Ø32 | 26 | 45 | 22 | 5 | 5,5 | 13 | 10 | 10 | 30 | 32,5 | 45 |
| DGX 40 | Ø40 | 28 | 52 | 25 | 5 | 5,5 | 16 | 12 | 12 | 35 | 38 | 52 |
| DGX 50 | Ø50 | 32 | 65 | 27 | 5 | 6,5 | 16 | 12 | 12 | 40 | 46,5 | 60 |
| DGX 63 | Ø63 | 40 | 75 | 32 | 5 | 6,5 | 21 | 16 | 16 | 45 | 56,5 | 70 |
| DGX 80 | Ø80 | 50 | 93 | 36 | 5 | 10 | 22 | 16 | 16 | 45 | 72 | 90 |
| DGX 100 | Ø100 | 60 | 110 | 41 | 5 | 10 | 27 | 20 | 20 | 55 | 89 | 110 |
| DGX 125 | Ø125 | 70 | 134 | 50 | 7 | 10 | 30 | 25 | 25 | 60 | 110 | 130 |

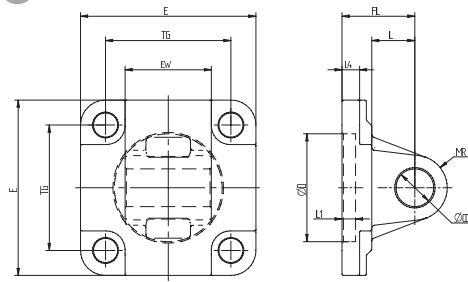


Príruha s okom s
rozmermi upevnenia
podľa ISO-VDMA

DH

| Typ | Priemer piestu | EW | E | FL | L1 | L4 | L | MR | ØCD | ØD | TG |
|--------|----------------|-----|-----|----|----|-----|----|----|-----|-----|------|
| DH 32 | Ø32 | 26 | 45 | 22 | 5 | 5,5 | 13 | 10 | 10 | 30 | 32,5 |
| DH 40 | Ø40 | 28 | 52 | 25 | 5 | 5,5 | 16 | 12 | 12 | 35 | 38 |
| DH 50 | Ø50 | 32 | 65 | 27 | 5 | 6,5 | 16 | 12 | 12 | 40 | 46,5 |
| DH 63 | Ø63 | 40 | 75 | 32 | 5 | 6,5 | 21 | 16 | 16 | 45 | 56,5 |
| DH 80 | Ø80 | 50 | 93 | 36 | 5 | 10 | 22 | 16 | 16 | 45 | 72 |
| DH 100 | Ø100 | 60 | 110 | 41 | 5 | 10 | 27 | 20 | 20 | 55 | 89 |
| DH 125 | Ø125 | 70 | 134 | 50 | 7 | 10 | 30 | 25 | 25 | 60 | 110 |
| DH 160 | Ø160 | 90 | 180 | 55 | 7 | 10 | 35 | 25 | 30 | 65 | 140 |
| DH 200 | Ø200 | 90 | 220 | 60 | 10 | 11 | 35 | 25 | 30 | 75 | 175 |
| DH 250 | Ø250 | 110 | 270 | 70 | 11 | 17 | 45 | 40 | 40 | 90 | 220 |
| DH 320 | Ø320 | 120 | 350 | 80 | 11 | 22 | 50 | 45 | 45 | 110 | 270 |

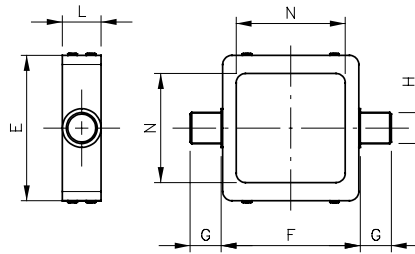
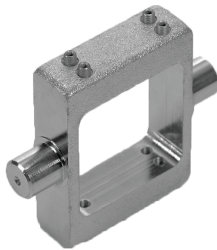
Príslušenstvo pre normalizované a kompaktné valce | ISO



Vidlicová príruha INOX

DHX

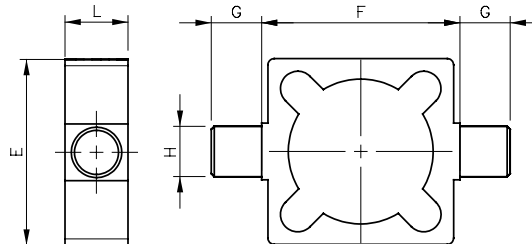
| Typ | Priemer piestu | E | EW | TG | FL | L1 | L | L4 | D | CD | MR |
|---------|----------------|-----|----|------|----|----|----|-----|----|----|----|
| DHX 32 | Ø32 | 45 | 26 | 32,5 | 22 | 5 | 13 | 5,5 | 30 | 10 | 10 |
| DHX 40 | Ø40 | 52 | 28 | 38 | 25 | 5 | 16 | 5,5 | 35 | 12 | 12 |
| DHX 50 | Ø50 | 65 | 32 | 46,5 | 27 | 5 | 16 | 6,5 | 40 | 12 | 12 |
| DHX 63 | Ø63 | 75 | 40 | 56,5 | 32 | 5 | 21 | 6,5 | 45 | 16 | 16 |
| DHX 80 | Ø80 | 93 | 50 | 72 | 36 | 5 | 22 | 10 | 45 | 16 | 16 |
| DHX 100 | Ø100 | 110 | 60 | 89 | 41 | 5 | 27 | 10 | 55 | 20 | 20 |
| DHX 125 | Ø125 | 134 | 70 | 110 | 50 | 7 | 30 | 10 | 60 | 25 | 25 |



Výkyvné upevnenie pre valce s plochým profilom

DP

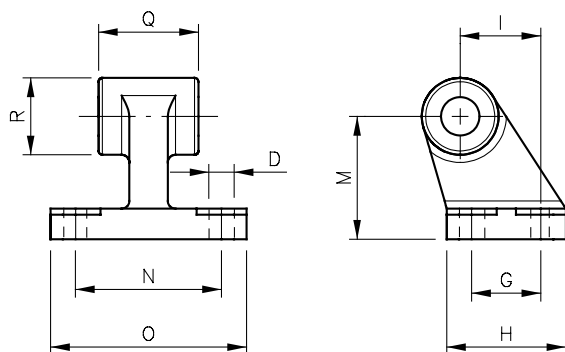
| Typ | Priemer piestu | E | F | G | H | L | N |
|--------|----------------|-----|-----|----|----|----|------|
| DP 32 | Ø32 | 71 | 50 | 12 | 12 | 18 | 45 |
| DP 40 | Ø40 | 79 | 63 | 16 | 16 | 20 | 51 |
| DP 50 | Ø50 | 91 | 75 | 16 | 16 | 20 | 60,8 |
| DP 63 | Ø63 | 96 | 90 | 20 | 20 | 26 | 70,5 |
| DP 80 | Ø80 | 132 | 110 | 20 | 20 | 26 | 87,5 |
| DP 100 | Ø100 | 147 | 132 | 25 | 25 | 30 | 107 |
| DP 125 | Ø125 | 155 | 155 | 25 | 25 | 32 | 133 |



Výkyvné upevnenie

DS

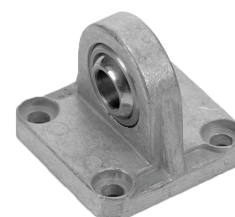
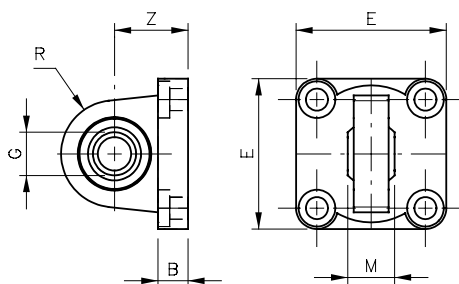
| Typ | Priemer piestu | E | F | G | H | L |
|--------|----------------|-----|-----|----|----|----|
| DS 32 | Ø32 | 49 | 50 | 12 | 12 | 18 |
| DS 40 | Ø40 | 59 | 63 | 16 | 16 | 20 |
| DS 50 | Ø50 | 71 | 75 | 16 | 16 | 20 |
| DS 63 | Ø63 | 75 | 90 | 20 | 20 | 26 |
| DS 80 | Ø80 | 105 | 110 | 20 | 20 | 26 |
| DS 100 | Ø100 | 129 | 132 | 25 | 25 | 32 |
| DS 125 | Ø125 | 154 | 160 | 25 | 25 | 33 |



Príruba s okom (90°) s rozmermi upevnenia podľa ISO-VDMA

DW

| Typ | Priemer piestu | BR | BT | ØCK | EA | EM | GL | LB | ØHB | PH | RA | TE | UL | UR |
|--------|----------------|------|----|-----|----|----|-----|------|-----|-----|----|-----|-----|-----|
| DW 32 | Ø32 | 10 | 8 | 10 | 10 | 26 | 21 | 6,4 | 6,6 | 32 | 18 | 38 | 51 | 31 |
| DW 40 | Ø40 | 11 | 10 | 12 | 15 | 28 | 24 | 8,4 | 6,6 | 36 | 22 | 41 | 54 | 35 |
| DW 50 | Ø50 | 13 | 12 | 12 | 16 | 32 | 33 | 10,4 | 9 | 45 | 30 | 50 | 65 | 45 |
| DW 63 | Ø63 | 15 | 14 | 16 | 16 | 40 | 37 | 12,4 | 9 | 50 | 35 | 52 | 67 | 50 |
| DW 80 | Ø80 | 15 | 14 | 16 | 20 | 50 | 47 | 11,5 | 11 | 63 | 40 | 66 | 86 | 60 |
| DW 100 | Ø100 | 19 | 17 | 20 | 20 | 60 | 55 | 14,5 | 11 | 71 | 50 | 76 | 96 | 70 |
| DW 125 | Ø125 | 22,5 | 20 | 25 | 30 | 70 | 70 | 16,8 | 14 | 90 | 60 | 94 | 124 | 90 |
| DW 160 | Ø160 | 31,5 | 25 | 30 | 36 | 90 | 97 | 21 | 14 | 115 | 88 | 118 | 156 | 126 |
| DW 200 | Ø200 | 31,5 | 30 | 30 | 40 | 90 | 105 | 26 | 18 | 135 | 90 | 122 | 162 | 130 |

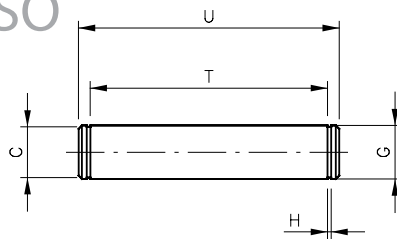


Kĺbová príruba s rozmermi upevnenia podľa ISO-VDMA

DKL

| Typ | Priemer piestu | B | E | G | M | R | Z |
|---------|----------------|----|-----|----|----|----|----|
| DKL 32 | Ø32 | 9 | 45 | 10 | 14 | 16 | 22 |
| DKL 40 | Ø40 | 9 | 52 | 12 | 16 | 19 | 25 |
| DKL 50 | Ø50 | 11 | 65 | 16 | 21 | 21 | 27 |
| DKL 63 | Ø63 | 11 | 75 | 16 | 21 | 24 | 32 |
| DKL 80 | Ø80 | 14 | 95 | 20 | 25 | 28 | 36 |
| DKL 100 | Ø100 | 14 | 115 | 20 | 25 | 30 | 41 |
| DKL 125 | Ø125 | 20 | 140 | 30 | 37 | 40 | 50 |

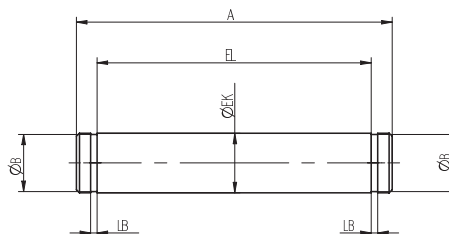
Príslušenstvo pre normalizované a kompaktné valce | ISO



Upínací kolík s rozmermi upevnenia podľa ISO-VDMA

DC

| Typ | Priemer piestu | C | G | H | T | U |
|------------|----------------|------|------|------|-----|-----|
| DC 32 | Ø32 | 9,6 | 10 | 1,1 | 46 | 53 |
| DC 40 | Ø40 | 11,5 | 12 | 1,1 | 53 | 60 |
| DC 50 | Ø50 | 11,5 | 12 | 1,1 | 61 | 68 |
| DC 63 | Ø63 | 15,2 | 16 | 1,1 | 71 | 78 |
| DC 80 | Ø80 | 15,2 | 16 | 1,1 | 91 | 98 |
| DC 100 | Ø100 | 19 | 20 | 1,3 | 111 | 118 |
| DC 125 | Ø125 | 23,9 | 25 | 1,3 | 132 | 139 |
| DC 160-200 | Ø160-200 | 30 | 28,6 | 1,6 | 172 | 180 |
| DC 250 | Ø250 | 40 | 37,5 | 1,85 | 202 | 211 |
| DC 320 | Ø320 | 45 | 42,5 | 1,85 | 222 | 234 |



Upínací kolík INOX

DCX

| Typ | Priemer piestu | A | B | EL | EK | LB |
|---------|----------------|-----|------|-----|----|-----|
| DCX 32 | Ø32 | 53 | 9,6 | 46 | 10 | 1,1 |
| DCX 40 | Ø40 | 60 | 11,5 | 53 | 12 | 1,1 |
| DCX 50 | Ø50 | 68 | 11,5 | 61 | 12 | 1,1 |
| DCX 63 | Ø63 | 78 | 15,2 | 71 | 16 | 1,1 |
| DCX 80 | Ø80 | 98 | 15,2 | 91 | 16 | 1,1 |
| DCX 100 | Ø100 | 118 | 19 | 111 | 20 | 1,3 |
| DCX 125 | Ø125 | 139 | 23,9 | 132 | 25 | 1,3 |



Upínací kolík k DGS prírubě s rozmermi upevnenia podľa ISO-VDMA

DCS

| Typ | Priemer piestu |
|---------|----------------|
| DCS 32 | Ø32 |
| DCS 40 | Ø40 |
| DCS 50 | Ø50 |
| DCS 63 | Ø63 |
| DCS 80 | Ø80 |
| DCS 100 | Ø100 |
| DCS 125 | Ø125 |

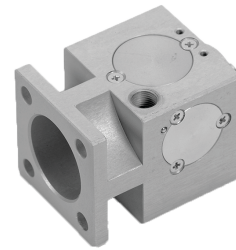
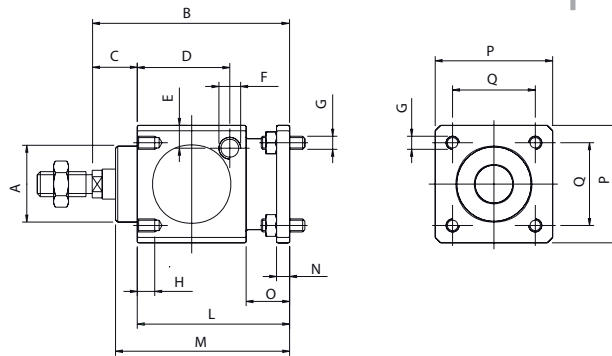


Upevnenie slúžiace pre montáž ventilu na valec

ZHA

| Typ | Priemer piestu |
|-------------|----------------|
| ZHA-032 SET | Ø32 |
| ZHA-040 SET | Ø40 |
| ZHA-050 SET | Ø50 |
| ZHA-063 SET | Ø63 |
| ZHA-080 SET | Ø80 |
| ZHA-100 SET | Ø100 |
| ZHA-125 SET | Ø125 |

Príslušenstvo pre normalizované a kompaktné valce | ISO

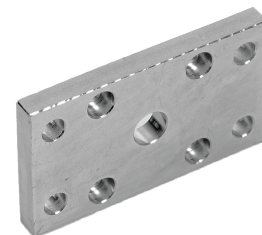
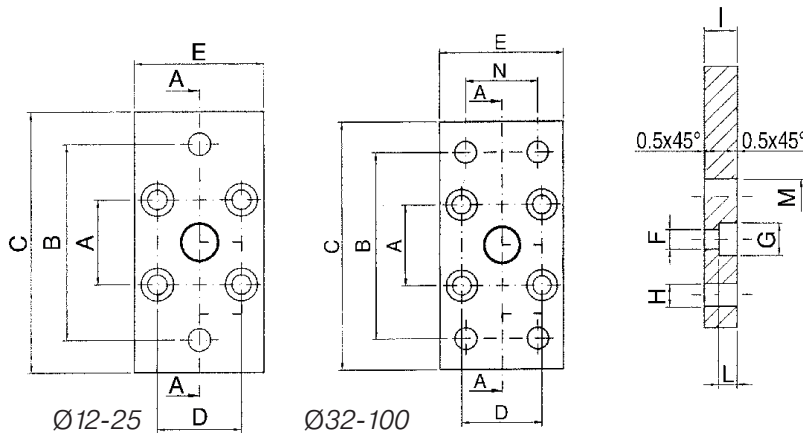


Brzda k valcom ISO 15552

VRL

| Typ | Priemer piestu | A | B | C | D | E | F | G | H | L | M | N | O | P | Q |
|---------|----------------|------|-----|----|-------|------|------|-----|----|-----|------|----|----|-----|------|
| VRL 32 | Ø32 | 30 | 86 | 26 | 33,25 | 9 | G1/8 | M6 | 8 | 60 | 67,5 | 6 | 20 | 47 | 32,5 |
| VRL 40 | Ø40 | 34,5 | 100 | 30 | 42,5 | 9 | G1/8 | M6 | 8 | 70 | 80 | 6 | 20 | 54 | 38 |
| VRL 50 | Ø50 | 40 | 127 | 37 | 58 | 12,5 | G1/8 | M8 | 12 | 90 | 100 | 8 | 24 | 65 | 46,5 |
| VRL 63 | Ø63 | 45 | 127 | 37 | 59 | 17,5 | G1/8 | M8 | 12 | 90 | 100 | 8 | 24 | 75 | 56,5 |
| VRL 80 | Ø80 | 45 | 156 | 46 | 69 | 17,5 | G1/4 | M10 | 16 | 110 | 120 | 12 | 32 | 95 | 72 |
| VRL 100 | Ø100 | 55 | 161 | 51 | 69 | 20 | G1/4 | M10 | 16 | 110 | 120 | 12 | 32 | 114 | 89 |
| VRL 125 | Ø125 | 60 | 205 | 65 | 84,5 | 19 | G1/4 | M12 | 20 | 140 | 156 | 20 | 45 | 138 | 110 |

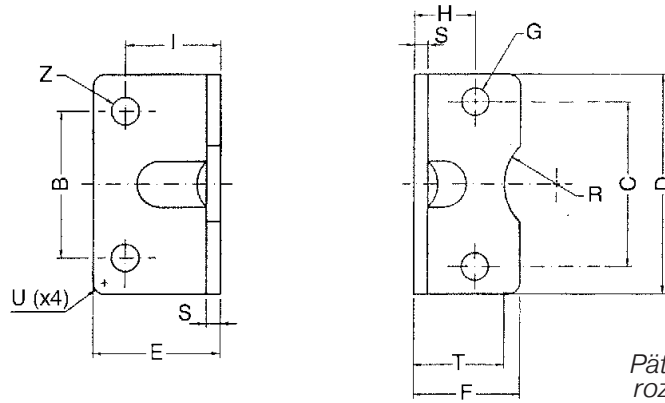
Príslušenstvo pre kompaktné valce | UNITOP



Príruba s rozmermi upevnenia UNITOP

QFL

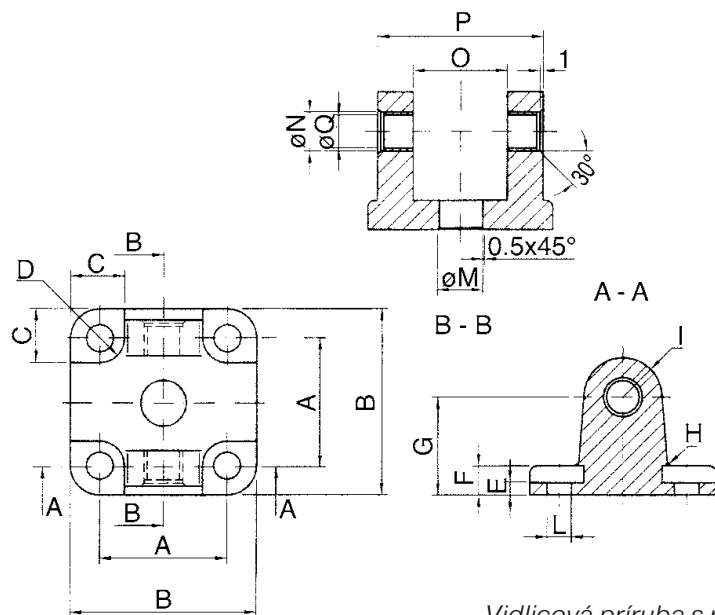
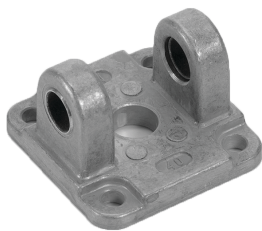
| Typ | Priemer piestu | A | B | C | D | E | F | G | H | I | L | M | N |
|-----------|----------------|-----|-----|-----|-----|-----|-----|----|-----|----|------|----|----|
| QFL 12-16 | Ø12-16 | 18 | 43 | 55 | 18 | 29 | 4,5 | 9 | 5,5 | 10 | 5,4 | 10 | - |
| QFL 20 | Ø20 | 22 | 55 | 70 | 22 | 36 | 5,5 | 10 | 6,6 | 10 | 5,4 | 12 | - |
| QFL 25 | Ø25 | 26 | 60 | 76 | 26 | 40 | 5,5 | 10 | 6,6 | 10 | 5,4 | 12 | - |
| QFL 32 | Ø32 | 32 | 65 | 80 | 32 | 50 | 6,6 | 11 | 7 | 10 | 6,4 | 14 | 32 |
| QFL 40 | Ø40 | 42 | 82 | 102 | 42 | 60 | 6,6 | 11 | 9 | 10 | 6,4 | 14 | 36 |
| QFL 50 | Ø50 | 50 | 90 | 110 | 50 | 68 | 9 | 15 | 9 | 12 | 8,6 | 18 | 45 |
| QFL 63 | Ø63 | 62 | 110 | 130 | 62 | 87 | 11 | 15 | 9 | 15 | 10,6 | 18 | 50 |
| QFL 80 | Ø80 | 82 | 135 | 160 | 82 | 107 | 11 | 18 | 12 | 15 | 10,6 | 23 | 63 |
| QFL 100 | Ø100 | 103 | 163 | 190 | 103 | 128 | 11 | 18 | 14 | 15 | 10,6 | 28 | 75 |



Pätkové upevnenie s rozmermi upevnenia UNITOP

QCP

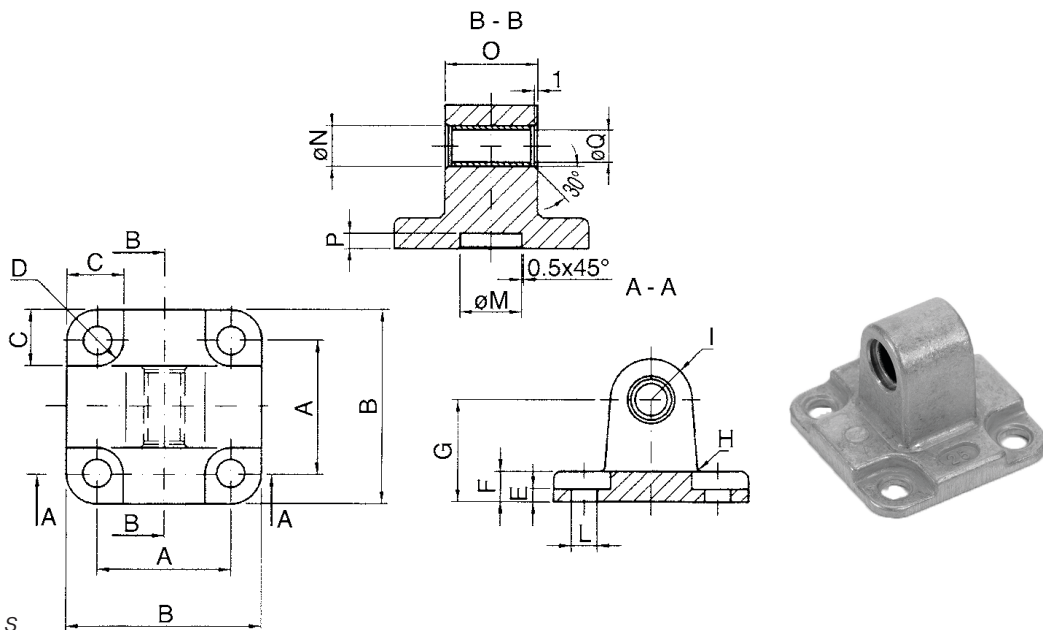
| Typ | Priemer piestu | C | B | D | E | F | G | H | I | S | T | R | U | Z |
|-----------|----------------|-----|-----|-----|------|------|-----|------|----|---|----|----|---|------|
| QCP 12-16 | Ø12-16 | 18 | 18 | 30 | 17,5 | 17,5 | 4,4 | 13 | 13 | 3 | 15 | 9 | 2 | 5,5 |
| QCP 20 | Ø20 | 22 | 22 | 36 | 22 | 22 | 5,4 | 16 | 16 | 4 | 17 | 10 | 2 | 6,6 |
| QCP 25 | Ø25 | 26 | 26 | 40 | 22 | 23 | 5,4 | 17 | 16 | 4 | 19 | 11 | 2 | 6,6 |
| QCP 32 | Ø32 | 32 | 32 | 50 | 26 | 24 | 6,6 | 16 | 18 | 5 | 20 | 12 | 2 | 6,6 |
| QCP 40 | Ø40 | 42 | 42 | 60 | 28 | 29,5 | 6,6 | 21,5 | 20 | 5 | - | - | 5 | 9 |
| QCP 50 | Ø50 | 50 | 50 | 68 | 32 | 30 | 9 | 22 | 24 | 6 | - | - | 5 | 9 |
| QCP 63 | Ø63 | 62 | 62 | 84 | 39 | 39 | 9 | 28,5 | 27 | 6 | - | - | 5 | 11 |
| QCP 80 | Ø80 | 82 | 82 | 102 | 36,5 | 36,5 | 11 | 24,5 | 30 | 8 | - | - | 5 | 11 |
| QCP 100 | Ø100 | 103 | 103 | 123 | 38,5 | 38,5 | 11 | 26,5 | 33 | 8 | - | - | 5 | 13,5 |



Vidlicová príruha s rozmermi upevnenia UNITOP

QCF

| Typ | Priemer piestu | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q |
|---------|----------------|-----|-----|------|-----|-----|----|----|-----|------|-----|----|----|----|-----|----|
| QCF 32 | Ø32 | 32 | 48 | 13,5 | 5,5 | 5,5 | 9 | 22 | 2,5 | 10 | 6,6 | 14 | 12 | 26 | 45 | 10 |
| QCF 40 | Ø40 | 42 | 58 | 13,5 | 5,5 | 5,5 | 9 | 25 | 2,5 | 12,5 | 6,6 | 14 | 14 | 28 | 52 | 12 |
| QCF 50 | Ø50 | 50 | 66 | 15,5 | 6,5 | 6,5 | 11 | 27 | 2,5 | 12,5 | 9 | 18 | 14 | 32 | 60 | 12 |
| QCF 63 | Ø63 | 62 | 83 | 18 | 6,5 | 6,5 | 11 | 32 | 4 | 15 | 11 | 18 | 18 | 40 | 70 | 16 |
| QCF 80 | Ø80 | 82 | 102 | 19 | 10 | 10 | 13 | 36 | 4 | 15 | 11 | 23 | 18 | 50 | 90 | 16 |
| QCF 100 | Ø100 | 103 | 123 | 19 | 10 | 10 | 15 | 41 | 4 | 20 | 11 | 28 | 23 | 60 | 110 | 20 |

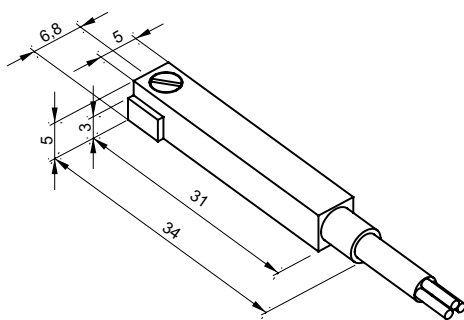


Príruba s okom s
rozmermi upevnenia
UNITOP

QCM

| Typ | Priemer piestu | A | B | C | D | E | F | G | H | I | L | M | N | O | P | Q |
|-----------|----------------|----|----|----|-----|-----|---|----|---|---|-----|----|----|----|---|---|
| QCM 12-16 | Ø12-16 | 18 | 27 | 10 | 4,5 | 2,6 | 6 | 16 | 2 | 6 | 4,5 | 10 | 8 | 12 | 3 | 6 |
| QCM 20 | Ø20 | 22 | 34 | 11 | 5 | 2,6 | 6 | 20 | 2 | 8 | 5,5 | 12 | 10 | 16 | 3 | 8 |
| QCM 25 | Ø25 | 26 | 38 | 11 | 5 | 2,6 | 6 | 20 | 2 | 8 | 5,5 | 12 | 10 | 16 | 3 | 8 |

Snímače polohy



Snímač | REED relé / jazýčkové relé

SKR

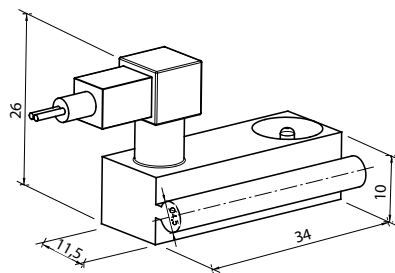
| Typ | Napätie | Max. prúd | Dĺžka kábla | Teplota okolia |
|---------|-----------------|-----------|-------------|----------------|
| SKR-130 | 5...130 V AC/DC | 200 mA | 2 m | -5°C...+70°C |
| SKR-230 | 5...230 V AC | 200 mA | 2 m | -5°C...+70°C |

Snímač | PNP snímač

SKH

| Typ | Napätie | Max. prúd | Dĺžka kábla | Teplota okolia |
|-----------|--------------|-----------|--------------|----------------|
| SKH-30 | 10...30 V DC | 200 mA | 2 m | -5°C...+70°C |
| SKH-30-M8 | 10...30 V DC | 200 mA | 0,3 m (M8x1) | -5°C...+70°C |

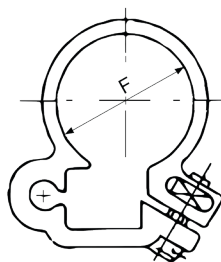
Snímače polohy



SM

Snímač | REED relé / jazýčkové relé

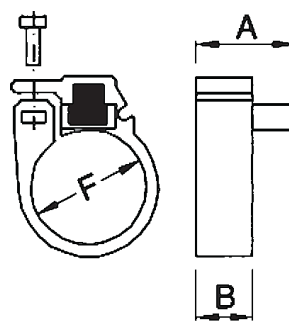
| Typ | Napätie | Max. prúd | Dĺžka kábla | Teplota okolia |
|-----|-----------------|-----------|-------------|----------------|
| SM | 3...230 V AC/DC | 500 mA | 2,5 m | -20°C...+85°C |



RX

Upevňovacia jednotka | pre SKR/SKH snímač | k valcom série R

| Typ | Priemer piestu | F |
|-------|----------------|------|
| RX 8 | Ø8 | 9,3 |
| RX 10 | Ø10 | 11,3 |
| RX 12 | Ø12 | 13,3 |
| RX 16 | Ø16 | 17,3 |
| RX 20 | Ø20 | 21,3 |
| RX 25 | Ø25 | 26,3 |



RXP

Upevňovacia jednotka | pre SKR/SKH snímač | k valcom série R

| Typ | Priemer piestu | F | A | B |
|--------|----------------|------|----|---|
| RXP 8 | Ø8 | 9,4 | 14 | 8 |
| RXP 10 | Ø10 | 11,3 | 14 | 8 |
| RXP 12 | Ø12 | 13,3 | 14 | 8 |
| RXP 16 | Ø16 | 17,3 | 14 | 8 |
| RXP 20 | Ø20 | 21,3 | 14 | 8 |
| RXP 25 | Ø25 | 26,3 | 14 | 8 |



Upevňovacia jednotka
pre SM snímač
k valcom série D s profilom L

DX

| Typ | Priemer piestu |
|------------|----------------|
| DX 32-40 | Ø32-40 |
| DX 50-63 | Ø50-63 |
| DX 80 | Ø80 |
| DX 100-125 | Ø100-125 |



Upevňovacia jednotka
pre SKR/SKH snímač
k valcom série D s profilom L

DXS

| Typ | Priemer piestu |
|-------------|----------------|
| DXS 32-40 | Ø32-40 |
| DXS 50-63 | Ø50-63 |
| DXS 80 | Ø80 |
| DXS 100-125 | Ø100-125 |

Súpravy na opravu piestnicových valcov

Súprava na opravu
valcov série Q
UNITOP

QIR

| Typ | Priemer piestu |
|---------|----------------|
| QIR-12 | Ø12 |
| QIR-16 | Ø16 |
| QIR-20 | Ø20 |
| QIR-25 | Ø25 |
| QIR-32 | Ø32 |
| QIR-40 | Ø40 |
| QIR-50 | Ø50 |
| QIR-63 | Ø63 |
| QIR-80 | Ø80 |
| QIR-100 | Ø100 |



Súprava na opravu
valcov série H
ISO 15552

HIR

| Typ | Priemer piestu |
|---------|----------------|
| HIR-32 | Ø32 |
| HIR-40 | Ø40 |
| HIR-50 | Ø50 |
| HIR-63 | Ø63 |
| HIR-80 | Ø80 |
| HIR-100 | Ø100 |
| HIR-125 | Ø125 |

Súprava na opravu
valcov série D
ISO 15552

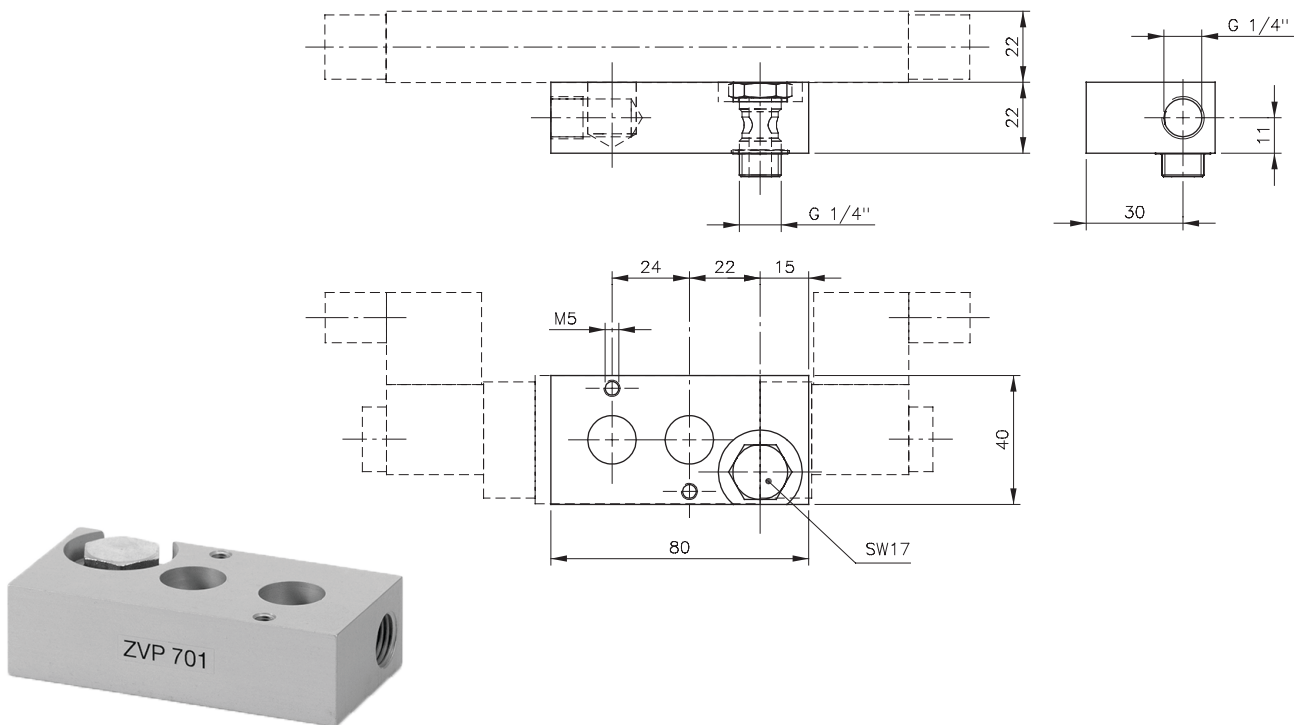
DIR

| Typ | Priemer piestu |
|---------|----------------|
| DIR-32 | Ø32 |
| DIR-40 | Ø40 |
| DIR-50 | Ø50 |
| DIR-63 | Ø63 |
| DIR-80 | Ø80 |
| DIR-100 | Ø100 |
| DIR-125 | Ø125 |

Súprava na opravu
valcov série V
ISO 21287

VIR

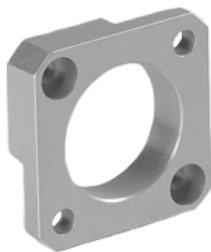
| Typ | Priemer piestu |
|---------|----------------|
| VIR-32 | Ø32 |
| VIR-40 | Ø40 |
| VIR-50 | Ø50 |
| VIR-63 | Ø63 |
| VIR-80 | Ø80 |
| VIR-100 | Ø100 |



ZVP

*Upevnenie k NAMUR ventilom
pre montáž na valec*

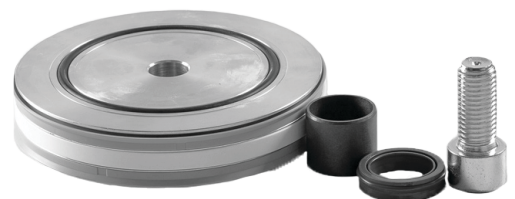
| Typ | Prípoj A | Prípoj B | Menovitý priemer | Montážna veľkosť |
|-------------|----------------------|------------|------------------|------------------|
| ZVP 701 | G1/4" dutá skrutka | G1/4" | DN 7 | NAMUR [G1/4"] |
| ZVP 101 | G3/8" dutá skrutka | G3/8" | DN 10 | NAMUR [G1/4"] |
| ZVP 121 | G1/2" dutá skrutka | G1/2" | DN 12 | NAMUR [G1/2"] |
| ZVP 121-701 | G1/2" dutá skrutka | G1/4" | DN 7 | NAMUR [G1/4"] |



TZA

*Viacpolohová
konštrukčná súprava*

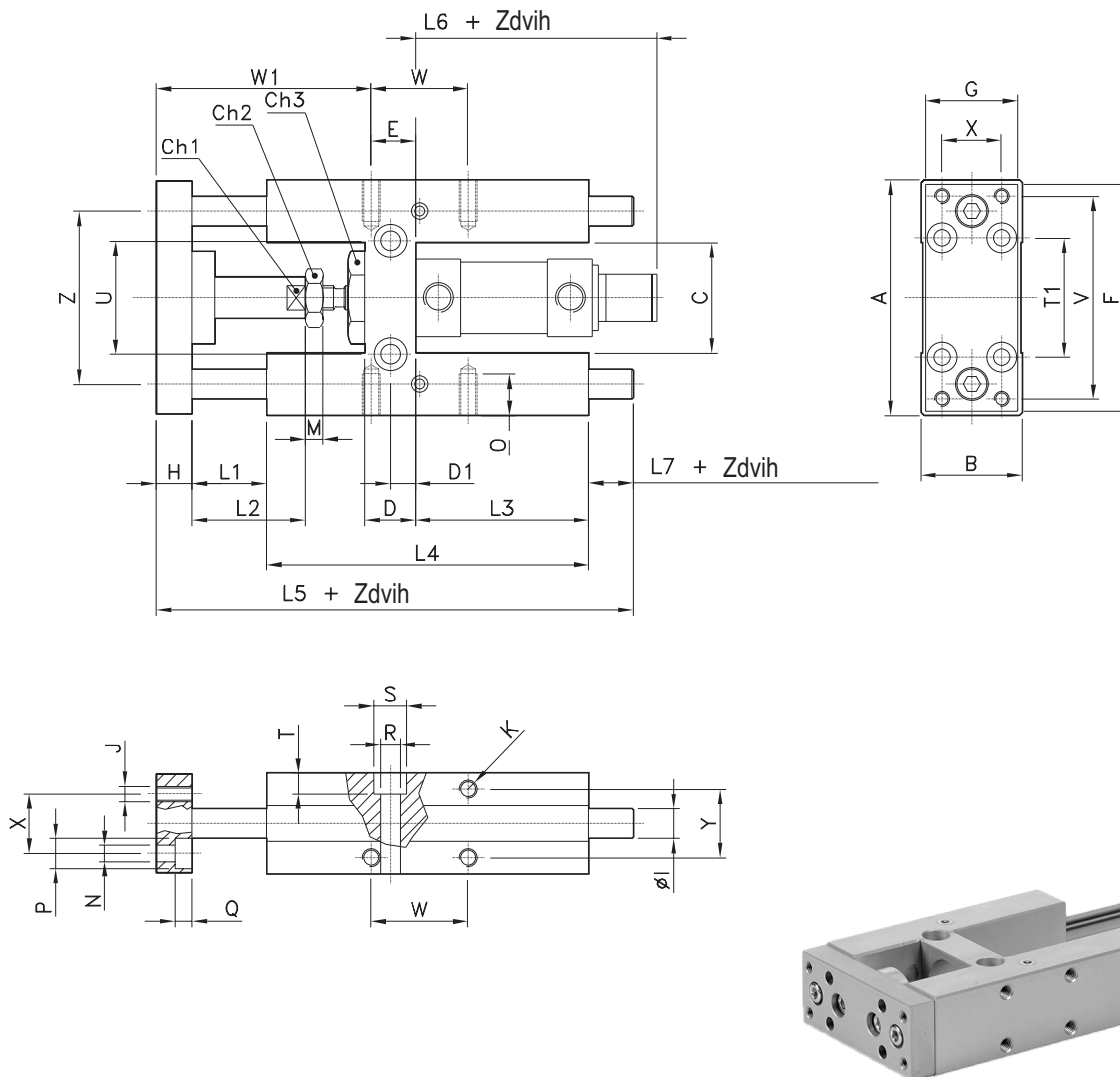
| Typ |
|-------------|
| TZA-032 SET |
| TZA-040 SET |
| TZA-050 SET |
| TZA-063 SET |
| TZA-080 SET |
| TZA-100 SET |



VTS LAZ

*Súprava na opravu
prítlačných a LAZ valcov*

| Typ |
|-------------|
| VTS LAZ 80 |
| VTS LAZ 100 |
| VTS LAZ 125 |
| VTS LAZ 160 |
| VTS LAZ 200 |
| VTS LAZ 250 |
| VTS LAZ 320 |



Lineárne H vedenie | klzné ložisko

RHS

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | Ch2 | Ch3 | D | D1 | E |
|---------------|--------|----------------|----|----|----|-----|-----|-----|----|-----|----|
| RHS 12-16/... | 50-500 | Ø12-16 | 69 | 30 | 30 | 8 | 10 | 24 | 12 | 6 | 8 |
| RHS 20/... | 50-500 | Ø20 | 79 | 34 | 37 | 12 | 13 | 27 | 17 | 8,5 | 15 |
| RHS 25/... | 50-500 | Ø25 | 79 | 34 | 37 | 12 | 17 | 27 | 17 | 8,5 | 15 |

| Typ | F | G | H | Øl | J | K | L1 | L2 | L3 | L4 | L5 | L6 | L7 | M |
|---------------|----|----|----|----|----|----|----|----|----|-----|-----|----|------|---|
| RHS 12-16/... | 66 | 29 | 10 | 10 | M4 | M4 | - | 18 | 46 | 68 | 124 | - | 20,5 | 4 |
| RHS 20/... | 78 | 32 | 12 | 12 | M5 | M6 | 3 | 18 | 58 | 108 | 166 | 43 | 21 | 5 |
| RHS 25/... | 78 | 32 | 12 | 12 | M5 | M6 | 3 | 18 | 58 | 108 | 166 | 43 | 21 | 6 |

| Typ | N | O | P | Q | R | S | T | T1 | U | V | W | W1 | X | Y | Z |
|---------------|-----|---|----|-----|-----|----|-----|----|----|----|------|----|----|----|------|
| RHS 12-16/... | 4,5 | 6 | 8 | 4,5 | 5,5 | 9 | 5,5 | 32 | 24 | 58 | 18 | - | 18 | 22 | 49,5 |
| RHS 20/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |
| RHS 25/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |

Lineárne vedenie pre kruhové valce | ISO 6432

strana 154

RHSL

Lineárne H vedenie | klzné ložisko | predĺžená spojka

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | Ch2 | Ch3 | D | D1 | E |
|----------------|--------|----------------|----|----|----|-----|-----|-----|----|-----|----|
| RHSL 12-16/... | 50-500 | Ø12-16 | 69 | 30 | 30 | 8 | 10 | 24 | 12 | 6 | 8 |
| RHSL 20/... | 50-500 | Ø20 | 79 | 34 | 37 | 12 | 13 | 27 | 17 | 8,5 | 15 |
| RHSL 25/... | 50-500 | Ø25 | 79 | 34 | 37 | 12 | 17 | 27 | 17 | 8,5 | 15 |

| Typ | F | G | H | ØI | J | K | L1 | L2 | L3 | L4 | L5 | L6 | L7 | M |
|----------------|----|----|----|----|-----|-----|----|----|----|-----|-------|----|------|---|
| RHSL 12-16/... | 66 | 29 | 10 | 10 | M 4 | M 4 | 25 | 18 | 46 | 68 | 123,5 | 73 | 20,5 | 4 |
| RHSL 20/... | 78 | 32 | 12 | 12 | M 5 | M 6 | 25 | 40 | 58 | 108 | 166 | 87 | 21 | 5 |
| RHSL 25/... | 78 | 32 | 12 | 12 | M 5 | M 6 | 25 | 40 | 58 | 108 | 166 | 87 | 21 | 6 |

| Typ | N | O | P | Q | R | S | T | T1 | U | V | W | W1 | X | Y | Z |
|----------------|-----|---|----|-----|-----|----|-----|----|----|----|------|----|----|----|------|
| RHSL 12-16/... | 4,5 | 6 | 8 | 4,5 | 5,5 | 9 | 5,5 | 32 | 24 | 58 | 18 | - | 18 | 22 | 49,5 |
| RHSL 20/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |
| RHSL 25/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |

RHG

Lineárne H vedenie | guľôčkové ložisko

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | Ch2 | Ch3 | D | D1 | E |
|---------------|--------|----------------|----|----|----|-----|-----|-----|----|-----|----|
| RHG 12-16/... | 50-500 | Ø12-16 | 69 | 30 | 30 | 8 | 10 | 24 | 12 | 6 | 8 |
| RHG 20/... | 50-500 | Ø20 | 79 | 34 | 37 | 12 | 13 | 27 | 17 | 8,5 | 15 |
| RHG 25/... | 50-500 | Ø25 | 79 | 34 | 37 | 12 | 17 | 27 | 17 | 8,5 | 15 |

| Typ | F | G | H | ØI | J | K | L1 | L2 | L3 | L4 | L5 | L6 | L7 | M |
|---------------|----|----|----|----|-----|-----|----|----|----|-----|-------|----|------|---|
| RHG 12-16/... | 66 | 29 | 10 | 8 | M 4 | M 4 | - | 18 | 46 | 68 | 123,5 | - | 20,5 | 4 |
| RHG 20/... | 78 | 32 | 12 | 10 | M 5 | M 6 | 3 | 18 | 58 | 108 | 166 | 43 | 21 | 5 |
| RHG 25/... | 78 | 32 | 12 | 10 | M 5 | M 6 | 3 | 18 | 58 | 108 | 166 | 43 | 21 | 6 |

| Typ | N | O | P | Q | R | S | T | T1 | U | V | W | W1 | X | Y | Z |
|---------------|-----|---|----|-----|-----|----|-----|----|----|----|------|----|----|----|------|
| RHG 12-16/... | 4,5 | 6 | 8 | 4,5 | 5,5 | 9 | 5,5 | 32 | 24 | 58 | 18 | - | 18 | 22 | 49,5 |
| RHG 20/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |
| RHG 25/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |

RHGL

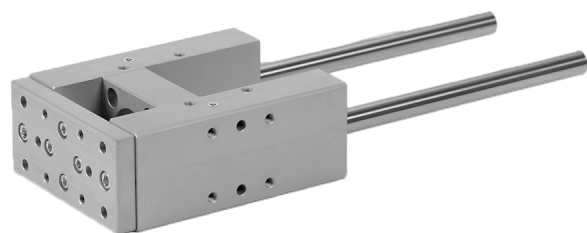
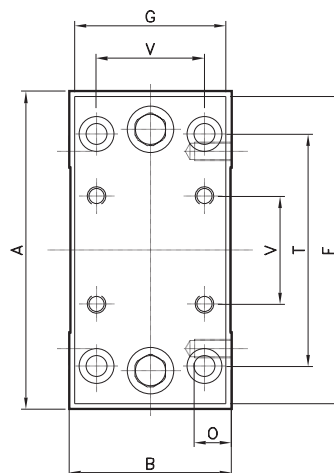
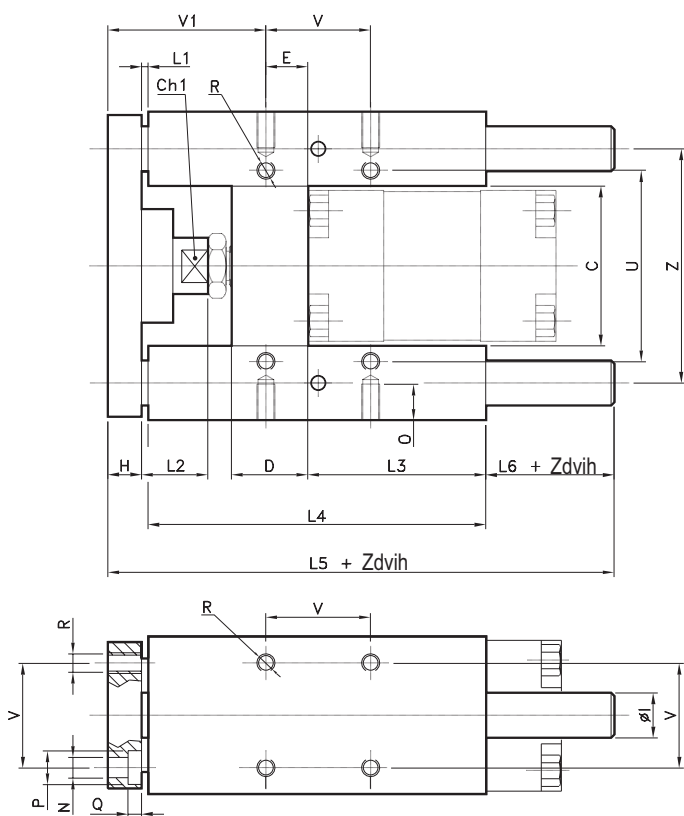
Lineárne H vedenie | guľôčkové ložisko | predĺžená spojka

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | Ch2 | Ch3 | D | D1 | E |
|----------------|--------|----------------|----|----|----|-----|-----|-----|----|-----|----|
| RHGL 12-16/... | 50-500 | Ø12-16 | 69 | 30 | 30 | 8 | 10 | 24 | 12 | 6 | 8 |
| RHGL 20/... | 50-500 | Ø20 | 79 | 34 | 37 | 12 | 13 | 27 | 17 | 8,5 | 15 |
| RHGL 25/... | 50-500 | Ø25 | 79 | 34 | 37 | 12 | 17 | 27 | 17 | 8,5 | 15 |

| Typ | F | G | H | ØI | J | K | L1 | L2 | L3 | L4 | L5 | L6 | L7 | M |
|----------------|----|----|----|----|-----|-----|----|----|----|-----|-------|----|------|---|
| RHGL 12-16/... | 66 | 29 | 10 | 8 | M 4 | M 4 | 25 | 18 | 46 | 68 | 123,5 | 73 | 20,5 | 4 |
| RHGL 20/... | 78 | 32 | 12 | 10 | M 5 | M 6 | 25 | 40 | 58 | 108 | 166 | 87 | 21 | 5 |
| RHGL 25/... | 78 | 32 | 12 | 10 | M 5 | M 6 | 25 | 40 | 58 | 108 | 166 | 87 | 21 | 6 |

| Typ | N | O | P | Q | R | S | T | T1 | U | V | W | W1 | X | Y | Z |
|----------------|-----|---|----|-----|-----|----|-----|----|----|----|------|----|----|----|------|
| RHGL 12-16/... | 4,5 | 6 | 8 | 4,5 | 5,5 | 9 | 5,5 | 32 | 24 | 58 | 18 | - | 18 | 22 | 49,5 |
| RHGL 20/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |
| RHGL 25/... | 5,5 | 9 | 10 | 7,5 | 6,5 | 11 | 6,5 | 38 | 38 | 68 | 32,5 | 50 | 20 | 23 | 58 |

Lineárne vedenie pre normalizované valce | ISO 15552



Lineárne H vedenie | klzné ložisko

DHS

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | D | E | F | G | H | ØI |
|-------------|--------|----------------|-----|-----|-------|-----|----|------|-----|-----|----|----|
| DHS 32/... | 50-500 | Ø32 | 97 | 49 | 51 | 15 | 24 | 4,3 | 93 | 45 | 12 | 12 |
| DHS 40/... | 50-500 | Ø40 | 115 | 58 | 58,2 | 15 | 28 | 11 | 112 | 55 | 12 | 16 |
| DHS 50/... | 50-500 | Ø50 | 137 | 70 | 70,2 | 20 | 34 | 18,8 | 134 | 65 | 15 | 20 |
| DHS 63/... | 50-500 | Ø63 | 152 | 85 | 85,2 | 20 | 34 | 15,3 | 147 | 80 | 15 | 20 |
| DHS 80/... | 50-500 | Ø80 | 189 | 105 | 105,5 | 26 | 50 | 25 | 180 | 100 | 20 | 25 |
| DHS 100/... | 50-500 | Ø100 | 213 | 130 | 130,5 | 26 | 55 | 30 | 206 | 120 | 20 | 25 |

| Typ | L1 | L2 | L3 | L4 | L5 | L6 | N | O | P | Q | R | T | U | V | V1 | Z |
|-------------|----|----|-----|-----|-----|----|-----|----|----|-----|------|-----|-----|------|------|-----|
| DHS 32/... | 3 | 19 | 75 | 125 | 187 | 47 | 6,6 | 12 | 11 | 6,5 | M 6 | 78 | 61 | 32,5 | 60,7 | 74 |
| DHS 40/... | 3 | 24 | 80 | 140 | 207 | 52 | 6,6 | 12 | 11 | 6,5 | M 6 | 84 | 69 | 38 | 64 | 87 |
| DHS 50/... | 3 | 27 | 78 | 148 | 223 | 57 | 9 | 16 | 15 | 8,5 | M 8 | 100 | 85 | 46,5 | 69,2 | 104 |
| DHS 63/... | 3 | 27 | 106 | 178 | 243 | 47 | 9 | 16 | 15 | 9 | M 8 | 105 | 100 | 56,5 | 74,7 | 119 |
| DHS 80/... | 3 | 27 | 111 | 195 | 267 | 49 | 11 | 20 | 18 | 11 | M 10 | 130 | 130 | 72 | 82 | 148 |
| DHS 100/... | 3 | 27 | 128 | 218 | 290 | 49 | 11 | 20 | 18 | 11 | M 10 | 150 | 150 | 89 | 83 | 173 |

Lineárne H vedenie | klzné ložisko

DHSL

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | D | E | F | G | H | ØI |
|--------------|--------|----------------|-----|-----|-------|-----|----|------|-----|-----|----|----|
| DHSL 32/... | 50-500 | Ø32 | 97 | 49 | 51 | 15 | 24 | 4,3 | 93 | 45 | 12 | 12 |
| DHSL 40/... | 50-500 | Ø40 | 115 | 58 | 58,2 | 15 | 28 | 11 | 112 | 55 | 12 | 16 |
| DHSL 50/... | 50-500 | Ø50 | 137 | 70 | 70,2 | 20 | 34 | 18,8 | 134 | 65 | 15 | 20 |
| DHSL 63/... | 50-500 | Ø63 | 152 | 85 | 85,2 | 20 | 34 | 15,3 | 147 | 80 | 15 | 20 |
| DHSL 80/... | 50-500 | Ø80 | 189 | 105 | 105,5 | 26 | 50 | 25 | 180 | 100 | 20 | 25 |
| DHSL 100/... | 50-500 | Ø100 | 213 | 130 | 130,5 | 26 | 55 | 30 | 206 | 120 | 20 | 25 |

Lineárne vedenie pre normalizované valce | ISO 15552

| Typ | L1 | L2 | L3 | L4 | L5 | L6 | N | O | P | Q | R | T | U | V | V1 | Z |
|--------------|----|----|-----|-----|-----|----|-----|----|----|-----|------|-----|-----|------|------|-----|
| DHSL 32/... | 25 | 42 | 75 | 125 | 187 | 25 | 6,6 | 12 | 11 | 6,5 | M 6 | 78 | 61 | 32,5 | 82,7 | 74 |
| DHSL 40/... | 25 | 42 | 80 | 140 | 207 | 30 | 6,6 | 12 | 11 | 6,5 | M 6 | 84 | 69 | 38 | 86 | 87 |
| DHSL 50/... | 25 | 50 | 78 | 148 | 223 | 35 | 9 | 16 | 15 | 8,5 | M 8 | 100 | 85 | 46,5 | 91,2 | 104 |
| DHSL 63/... | 25 | 50 | 106 | 178 | 243 | 25 | 9 | 16 | 15 | 9 | M 8 | 105 | 100 | 56,5 | 96,7 | 119 |
| DHSL 80/... | 25 | 50 | 111 | 195 | 267 | 27 | 11 | 20 | 18 | 11 | M 10 | 130 | 130 | 72 | 104 | 148 |
| DHSL 100/... | 25 | 50 | 128 | 218 | 290 | 27 | 11 | 20 | 18 | 11 | M 10 | 150 | 150 | 89 | 105 | 173 |

DHG

Lineárne H vedenie | guľôčkové ložisko

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | D | E | F | G | H | ØI |
|-------------|--------|----------------|-----|-----|-------|-----|----|------|-----|-----|----|----|
| DHG 32/... | 50-500 | Ø32 | 97 | 49 | 51 | 15 | 24 | 4,3 | 93 | 45 | 12 | 12 |
| DHG 40/... | 50-500 | Ø40 | 115 | 58 | 58,2 | 15 | 28 | 11 | 112 | 55 | 12 | 16 |
| DHG 50/... | 50-500 | Ø50 | 137 | 70 | 70,2 | 20 | 34 | 18,8 | 134 | 65 | 15 | 20 |
| DHG 63/... | 50-500 | Ø63 | 152 | 85 | 85,2 | 20 | 34 | 15,3 | 147 | 80 | 15 | 20 |
| DHG 80/... | 50-500 | Ø80 | 189 | 105 | 105,5 | 26 | 50 | 25 | 180 | 100 | 20 | 25 |
| DHG 100/... | 50-500 | Ø100 | 213 | 130 | 130,5 | 26 | 55 | 30 | 206 | 120 | 20 | 25 |

| Typ | L1 | L2 | L3 | L4 | L5 | L6 | N | O | P | Q | R | T | U | V | V1 | Z |
|-------------|----|----|-----|-----|-----|----|-----|----|----|-----|------|-----|-----|------|------|-----|
| DHG 32/... | 3 | 19 | 75 | 125 | 187 | 47 | 6,6 | 12 | 11 | 6,5 | M 6 | 78 | 61 | 32,5 | 60,7 | 74 |
| DHG 40/... | 3 | 24 | 80 | 140 | 207 | 52 | 6,6 | 12 | 11 | 6,5 | M 6 | 84 | 69 | 38 | 64 | 87 |
| DHG 50/... | 3 | 27 | 78 | 148 | 223 | 57 | 9 | 16 | 15 | 8,5 | M 8 | 100 | 85 | 46,5 | 69,2 | 104 |
| DHG 63/... | 3 | 27 | 106 | 178 | 243 | 47 | 9 | 16 | 15 | 9 | M 8 | 105 | 100 | 56,5 | 74,7 | 119 |
| DHG 80/... | 3 | 27 | 111 | 195 | 267 | 49 | 11 | 20 | 18 | 11 | M 10 | 130 | 130 | 72 | 82 | 148 |
| DHG 100/... | 3 | 27 | 128 | 218 | 290 | 49 | 11 | 20 | 18 | 11 | M 10 | 150 | 150 | 89 | 83 | 173 |

DHGL

Lineárne H vedenie | guľôčkové ložisko | predĺžená spojka

| Typ | Zdvih | Priemer piestu | A | B | C | Ch1 | D | E | F | G | H | ØI |
|--------------|--------|----------------|-----|-----|-------|-----|----|------|-----|-----|----|----|
| DHGL 32/... | 50-500 | Ø32 | 97 | 49 | 51 | 15 | 24 | 4,3 | 93 | 45 | 12 | 12 |
| DHGL 40/... | 50-500 | Ø40 | 115 | 58 | 58,2 | 15 | 28 | 11 | 112 | 55 | 12 | 16 |
| DHGL 50/... | 50-500 | Ø50 | 137 | 70 | 70,2 | 20 | 34 | 18,8 | 134 | 65 | 15 | 20 |
| DHGL 63/... | 50-500 | Ø63 | 152 | 85 | 85,2 | 20 | 34 | 15,3 | 147 | 80 | 15 | 20 |
| DHGL 80/... | 50-500 | Ø80 | 189 | 105 | 105,5 | 26 | 50 | 25 | 180 | 100 | 20 | 25 |
| DHGL 100/... | 50-500 | Ø100 | 213 | 130 | 130,5 | 26 | 55 | 30 | 206 | 120 | 20 | 25 |

| Typ | L1 | L2 | L3 | L4 | L5 | L6 | N | O | P | Q | R | T | U | V | V1 | Z |
|--------------|----|----|-----|-----|-----|----|-----|----|----|-----|------|-----|-----|------|------|-----|
| DHGL 32/... | 25 | 42 | 75 | 125 | 187 | 25 | 6,6 | 12 | 11 | 6,5 | M 6 | 78 | 61 | 32,5 | 82,7 | 74 |
| DHGL 40/... | 25 | 42 | 80 | 140 | 207 | 30 | 6,6 | 12 | 11 | 6,5 | M 6 | 84 | 69 | 38 | 86 | 87 |
| DHGL 50/... | 25 | 50 | 78 | 148 | 223 | 35 | 9 | 16 | 15 | 8,5 | M 8 | 100 | 85 | 46,5 | 91,2 | 104 |
| DHGL 63/... | 25 | 50 | 106 | 178 | 243 | 25 | 9 | 16 | 15 | 9 | M 8 | 105 | 100 | 56,5 | 96,7 | 119 |
| DHGL 80/... | 25 | 50 | 111 | 195 | 267 | 27 | 11 | 20 | 18 | 11 | M 10 | 130 | 130 | 72 | 104 | 148 |
| DHGL 100/... | 25 | 50 | 128 | 218 | 290 | 27 | 11 | 20 | 18 | 11 | M 10 | 150 | 150 | 89 | 105 | 173 |