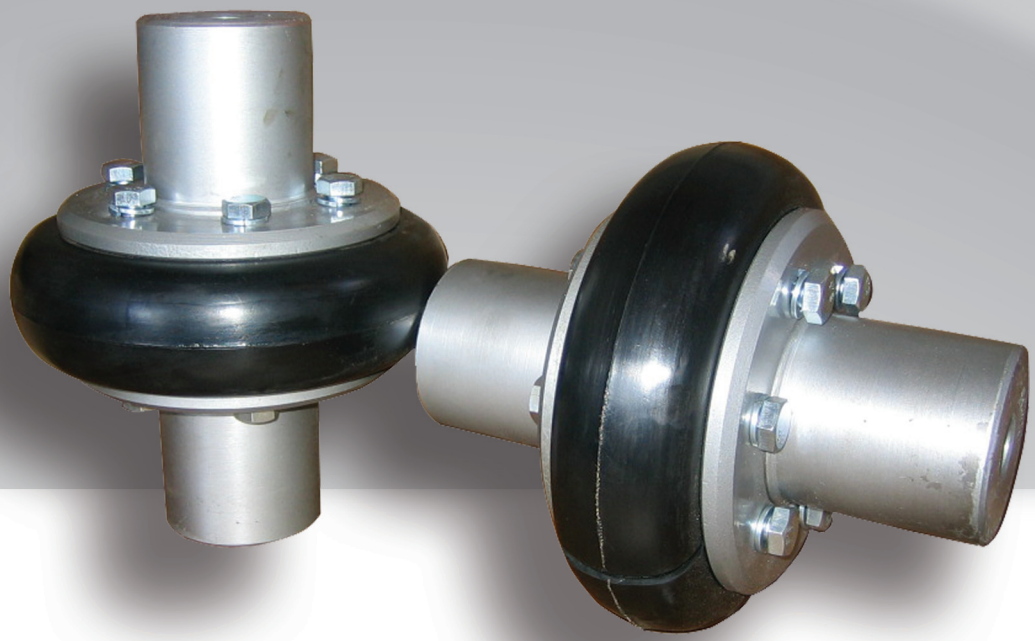
PS

PERIFLEKS SPOJNICE

PERIFLEX COUPLINGS



BEOPUMPE
BEOGRAD

VAŽNA UPUTSTVA

Naše perifleks spojnice odlikuje jednostavnost i funkcionalnost. Njihova inventivna konstrukcija dozvoljava laku mogućnost ugradnje. Kako bi rokovi isporuke bili što kraći, preporučujemo izbor standardnih izvođenja. Prema zahtevu kupca, spojnice isporučujemo sa rupom za osovinu bušenom na standardnu ili konačnu tolerisanu meru. Izbor veličine spojnice ne zavisi samo od snage i broja obrtaja, već i od drugih faktora. Iz tog razloga preporučujemo da izbor spojnice kupac prepusti nama. Neophodno je voditi računa da u radu ne dolazi do prekoračenja maksimalnih dozvoljenih odstupanja :

- Ugaono pomeranje oslonca ležaja max 2°
- Radijalno pomeranje oslonca ležaja max 2 mm
- Aksijalno pomeranje oslonca ležaja max 8 mm

Napred navedene veličine smanjuju se smanjenjem veličine spojnice, kao i povećanjem broja obrtaja. Spojnice moraju biti zaštićene od visokih temperatura (80°C), od sredstava za podmazivanje i sl. Gumeni obruč na spojnici treba čistiti samo toplom vodom i krpom. Spojnice moraju biti obavezno zaštićene po HTZ propisima.

MONTAŽA

1. Vijcima labavo spojiti glavčine (1) i pritezajuće prstenove (2) i navući na krajeve vratila.
2. Privući pogonsku mašinu sa glavčinom do mere 0 naznačene u tabeli.
3. Centrirati vratilo spojnice prema glavčini spojnice. Odstojanje 0 mora biti jednako na celom obimu glavčine. U standardnim slučajevima dovoljno je centrirati običnim alatom, jer spojnica podnosi sitna odstupanja pri montaži. Pri velikim brzinama preporučuje se preciznije centriranje pomoću šablona. Velika odstupanja krajeva vratila izaziva zagrevanje i skraćuje vek trajanja.
4. Presečene gumene obruče (3) navući preko glavčina spojnice. U zavisnosti od veličine spojnice poprečni zazor mora biti od 2 do 10 mm. Gumeni obruč mora da naleže u svom sedištu.
5. Pritezajuće prstenove zatezati tako da se uvek zatežu dva diametralno suprotna vijka vodeći računa o momentu pritezanja (vidi tabelu), pri čemu uklještena debljina obruča iznosi 2/3 neuklještene debljine.

ZAMENA GUMENIH OBRUČA

1. Vijke pritezajućih prstenova olabaviti toliko da profil obruča leži slobodno.
2. Skinuti gumeni obruč spojnice.
3. Navući novi gumeni obruč.
4. Vijke stegnuti kako je gore navedeno.

Prilikom poručivanja rezervnih gumenih obruča, navesti oznaku veličine istih.

IMPORTANT INSTRUCTIONS

Our periflex couplings are characterized by simplicity and functionality. Their inventive design allows easy installation. In order delivery times to be as short as possible, we recommend a standard performance. According to the customer request, we deliver couplings with the shaft hole drilled to a standard or to the final measure tolerated. Selection of type of coupling depends not only on the power and speed, but also on other factors. From this reason we recommend that the selection of coupling, customer leaves to us. Make sure that while working does not come to exceeding the maximum permissible deviation:

- *angular displacement of the bearing max 2 °*
- *radial displacement of the bearing max 2 mm*
- *axial displacement of the bearing max 8 mm*

Above specified sizes are reduced by reducing the size of couplings, as well as increasing the speed. Couplings must be protected from high temperature (80 ° C), of a lubricant etc. A rubber ring at the coupling should be cleaned only with warm water and cloth. The couplings must be protected by the mandatory Safety regulations.

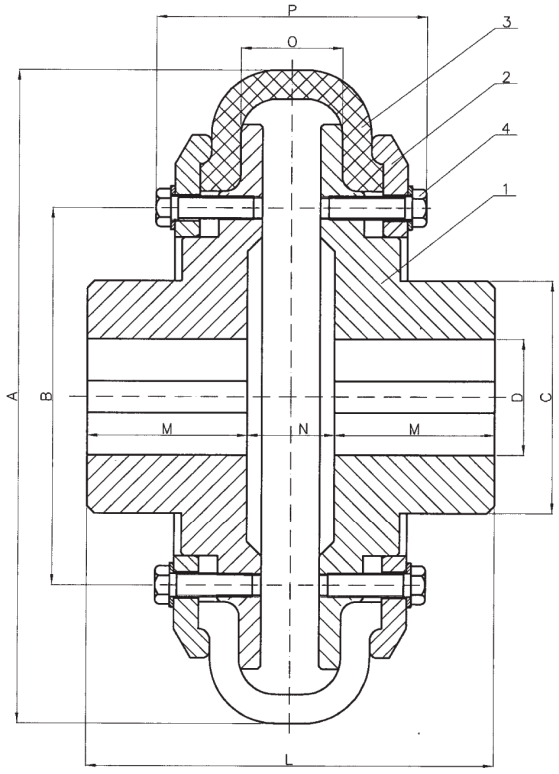
INSTALLATION

1. *Bolts loosely connect the hub (1) and clamping rings (2) and onto the shaft ends.*
2. *Attract drive machine with the hub to the point 0 indicated in the table.*
3. *Center the shaft coupling to the coupling hub. The distance 0 must be equal in the whole volume of the hub. Normally it is sufficient to center with the common tools since coupling submits small deviations in assembly. At high speeds recommended by a precise centering by pattern. Large deviations of the shaft ends causes warming and shortens life.*
4. *Cutted rubber rings (3) slipped over the coupling hub. Depending on the size of the coupling, transverse gap must be from 2 to 10 mm. A rubber ring must be seated in its seat.*
5. *Clamping ring tighten so that always two diametrically opposed bolt tightent taking account of the tightening moment (see table), wherein the fixed thickness of the ring is 2/3 of non-fixed thickness.*

REPLACEMENT OF RUBBER RING

1. *Tighten the clamping rings slack so that the profile of the ring lies ahead.*
2. *Remove the rubber ring of coupling.*
3. *Place the new rubber ring.*
4. *Tighten the bolts as indicated above.*

When ordering spare rubber rings, please provide the type of it.



MERE (0) SPOJNICA ZA VRATILA REDA GRADNJE 1,4,5

MEASURES (0) OF COUPLINGS FOR SHAFTS SERIES 1,4,5

Veličina *Type*	01	03	06	10	14	18	22	25	26	28	30	32
0	18	18	18	38	38	44	42	46	50	70	120	150
Momenat za pritezanje vijaka u (kpm) da Nm *The moment for tightening the bolts*	0,15	0,4	0,6	1,5	2,5	1,6	3,5	5,5	6	11	20	24

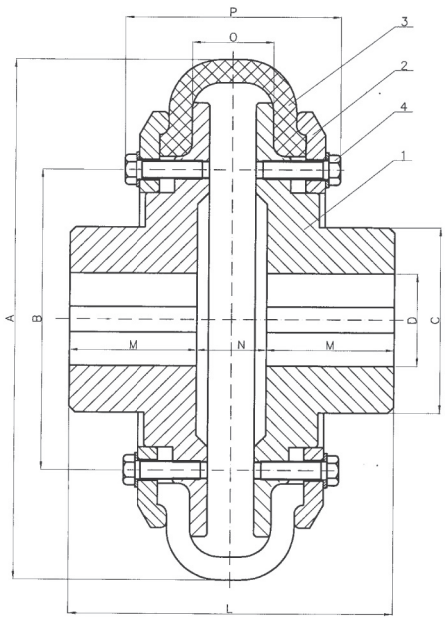
Veličina spojnice Type of coupling	01-1 01-4 01-5	03-1 03-4 03-5	06-1 06-4 06-5	10-1 10-4 10-5	14-1 14-4 14-5	18-1 18-4 18-5	22-1 22-4 22-5	25-1 25-4 25-5	26-1 26-4 26-5	28-1 28-4 28-5	30-1 30-4 30-5	32-1 32-4 32-5
Momenat pri trajnom opterećenju daNm (kpm) *Moment in continuous load*	0,5	1	3	7	15	30	60	120	240	400	700	1000
Najveći momenat pri kratkotrajnom opterećenju daNm (kpm) *The greatest moment in the short-term load*	1,3	3	8	20	45	90	175	350	700	1200	2000	3400
A B C D pred buš./*predrilled* max N O P	86 42 30 10 18 12 18 50	104 50 34 12 22 10 18 57	136 65 48 15 32 8 18 64	178 85 65 20 38 22 38 89	210 110 80 25 50 20 38 98	263 140 95 30 60 24 44 123	310 180 125 38 80 20 42 139	370 235 150 38 90 22 46 151	402 260 160 38 100 24 50 153	450 260 160 55 110 40 70 190	550 280 183 70 130 84 120 280	700 360 270 100 180 80 150 365
Momenat inercije J kg m^2 *Moment of inertia J kg m^2*	-	-	0,0025	0,0125	0,033	0,1	0,225	0,6	0,85	1,43	3,35	11
Maks. ugao uvijanja gume *Max angle twist of rubber*	5	6	6	5	8,5	6,5	6,3	5,2	5,5	9	10,8	11,8
Maks. broj obrtaja u min *Max speed per min*	3000	3000	3000	3000	2500	2000	2000	1600	1600	1250	1000	800
Red gradnje *Serie* 1 — L M Masa / *Mass*	52 20 0,7	66 28 1,0	88 35 3,2	128 47 6,3	150 59 10,2	174 67 19,0	200 75 31,5	215 85 60	244 95 80	280 110 96	360 130 168	450 160 320
Red gradnje *Serie* 4 — L M Masa / *Mass*	72 30 0,8	90 40 1,1	138 60 3,8	194 80 7,6	252 110 13,2	260 110 23	330 140 41	345 150 73	364 155 94	440 190 113	520 210 190	640 255 380
Red gradnje *Serie* 5 — L M M1 Masa / *Mass*	62 20 30 0,75	78 28 40 1,05	113 35 60 3,5	161 47 80 6,95	201 59 110 11,7	217 67 110 21	265 75 140 36,25	280 85 150 66,5	304 95 155 84	360 110 190 104,5	440 130 210 179	545 160 255 368,5
Veličina obruča *Size of ring*	10-112	10-162	10-212	10-262	10-312	10-361	10-412	10-462	10-512	10-562	10-612	10-667

Zlebovi za klinove prema SRPS M.C2.060 / *Groove for the insert spring according to SRPS M.C2.060*
Završna bušenja H7 prema SRPS M.A1.172 / *Final drilling H7 according to SRPS M.A1.172*
Zadržavamo pravo izmene dimenzija i konstrukcije. / *We reserve the right to change dimensions and structures.*

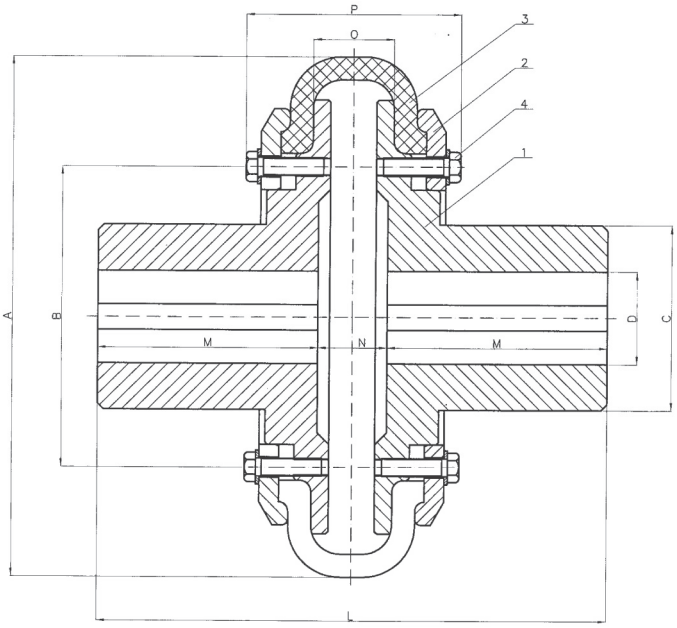
SMERNICE ZA IZBOR KOEFICIJENTA “K“

GUIDELINES FOR SELECTION OF COEFFICIENT K

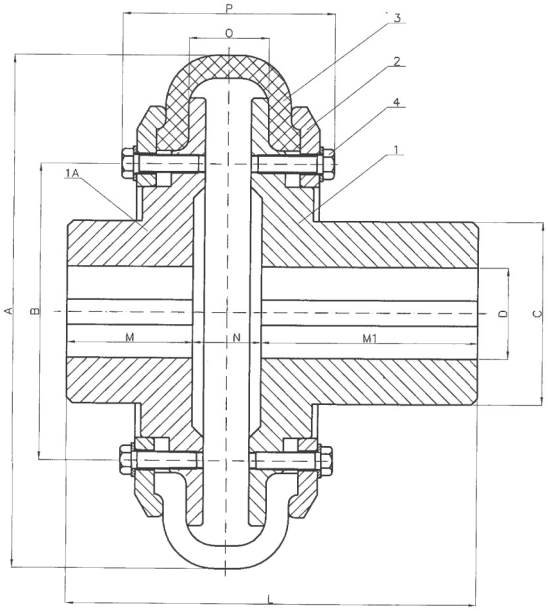
RED GRADNJE 1
SERIES 1



RED GRADNJE 4
SERIES 4



RED GRADNJE 5
SERIES 5



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