# QUESTIONNAIRE

|  |
| --- |
| for ordering the suspension gear UP\_\_\_\_M\_\_\_\_TU12.44.1131-85 |

(indicate the standard size according to the section 3 of the questionnaire)

|  |
| --- |
| **Customer Information:** |
| Pit, association, mine, lift (shaft): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Еmail: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Phone/fax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Contact person (name, position, tel.): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |
|  |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Customer)



\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(project organization)

L.S.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(date of questionnaire preparation)

**1 Working conditions:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Parameter name** | **UOM** | **Response** |
| 1 | Water abundance in the operation area of the product\* | m3/h |  |
| 2 | Mine water aggressiveness\* | рН |  |
| 3 | Results of analytical control of mine waters |  |  |
|  | (with a list of controlled substances) of sanitary - |  |  |
|  | preventive laboratory \* | - |  |
| 4 | Climatic version (U/T) | - |  |

\* - these fields do not have to be filled. To be filled in if necessary.

**2 Hardware requirements**

**2.1 General data of the hoisting unit:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Parameter name** | **UOM** | **Response** |
| 1 | Balancing cable rope: |  |  |
|  | diameter | mm |  |
|  | GOST/TU | - |  |
|  |  |  |  |
| 2 | Actual maximum static load | kN |  |
| 3 | Actual dimensions on the beam of the hoisting vehicle: |  |  |
|  | - В according to section 4 of the questionnaire | mm |  |
|  | - В1 according to section 4 of the questionnaire | mm |  |
| 4 | As a part of which hoisting unit is used | - |  |
| 5 | As a part of which hoisting vehicle is used | - |  |

**2.2 Delivery requirements:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Parameter name** | **UOM** | **Response** |
| 1 | Number of ordered products | pcs. |  |
| 2 | Spare parts set: |  |  |
|  | - basic | - | Yes No |
|  | - individual | - | Yes No |
|  | (describe the desired set) |  |  |
|  |  |  |  |
|  |  |  |  |
| 3 | Availability of packaging containers | - | Yes No |

**2.3 Additional delivery requirements:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Parameter name** | **UOM** | **Response** |
| 1 | Basic anti-corrosion coating | - | Yes No |
| 2 | Additional anti-corrosion coating | - | Yes No |
|  | (describe the desired coating) |  |  |
|  |  |  |  |
|  |  |  |  |

**3 Basic parameters and dimensions of upgraded suspension gears UP-M**

| Standard size of the suspension gear | Drawing designation | Fig. | Permissible end load, kN (tf) | cable rope diameter dk, mm | Dimensions, mm | | | | | | | Weight, kg |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Н | Н1 | Н2 | Н3 | R | L | L1 |
| UP-2M | KB652M.00.00.000 | 1 | 147 (15) | 36…41 | 2529 | 352 | 977 | 435 | 135 |  |  | 275 |
| -01 | -01 | 41…46 | 2554 | 377 | 140 | 298 |
| -02 | -02 | 46…51 | 2609 | 432 | 155 | 311 |
| -03 | -03 | 51…54.5 | 2647 | 470 | 170 | 351 |
| -04 | -04 | 2 | 36…41 | 2869 | 352 | 135 | 431 |
| -05 | -05 | 41…46 | 2894 | 377 | 140 | 453 |
| -06 | -06 | 46…51 | 2949 | 432 | 155 | 467 |
| -07 | -07 | 51…54.5 | 2987 | 470 | 170 | 505 |
| -08 | -08 | 3 | 36…41 | 3379 | 352 | 135 | 600 | 250 | 389 |
| -09 | -09 | 3679 | 550 | 413 |
| -10 | -10 | 3599 | 820 | 250 | 391 |
| -11 | -11 | 3899 | 550 | 415 |
| -12 | -12 | 41…46 | 3404 | 377 | 140 | 600 | 250 | 412 |
| -13 | -13 | 3704 | 550 | 436 |
| -14 | -14 | 3524 | 820 | 250 | 414 |
| -15 | -15 | 3924 | 550 | 438 |
| -16 | -16 | 46…51 | 3459 | 432 | 160 | 600 | 250 | 425 |
| -17 | -17 | 3759 | 550 | 449 |
| -18 | -18 | 3679 | 820 | 250 | 427 |
| -19 | -19 | 3979 | 550 | 451 |
| -20 | -20 | 51…54.5 | 3479 | 470 | 175 | 600 | 250 | 465 |
| -21 | -21 | 3797 | 550 | 489 |
| -22 | -22 | 3717 | 820 | 250 | 467 |
| -23 | -23 | 4017 | 550 | 491 |
| UP-3M | KB645M.00.00.000 | 1 | 196 (20) | 51…56 | 2799 | 480 | 1119 | 485 | 180 |  |  | 480 |
| -01 | -01 | 56…61 | 2881 | 562 | 205 | 496 |
| -02 | -02 | 2 | 51…56 | 3139 | 480 | 180 | 635 |
| -03 | -03 | 56…61 | 3221 | 562 | 205 | 652 |
| -04 | -04 | 3 | 51…56 | 3549 | 480 | 180 | 600 | 250 | 591 |
| -05 | -05 | 3869 | 820 | 596 |
| -06 | -06 | 4169 | 550 | 620 |
| -07 | -07 | 56…61 | 3731 | 562 | 205 | 600 | 250 | 610 |
| -08 | -08 | 3951 | 820 | 612 |
| -09 | -09 | 4251 | 550 | 636 |

An example of a designation of a suspension gear UP-2M, design 01:

**Upgraded suspension gear UP-2M-01 TU12.44.1131-85**

**4 Upgraded suspension gear UP-M**

|  |  |
| --- | --- |
|  | |
| ***А*** | ***Б*** |