

# PLASTiMAR

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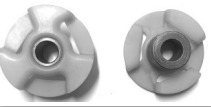










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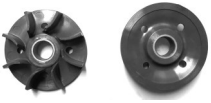
## **Water pump impellers catalog**

We have many variants of impellers for water pumps. With a view to continuous improvement, in addition to what we can already offer our customers, we evaluate any requests for other impellers by being able to either adapt our equipment from time to time or possibly build new ones.

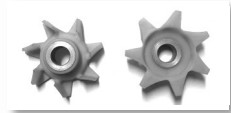
Diameter 45-55 mm

| Item  | External diameter | Bushing diameter                 |
|---|-------------------|----------------------------------|
| <br>GR.1314  | 45 mm             | 11,94 mm<br>11,98 mm             |
| <br>GR.273    | 48 mm             | 11,98 mm                         |
| <br>GR.117    | 49,8 mm           | 11,94 mm                         |
| <br>GR.197   | 50 mm             | 11,94 mm                         |
| <br>GR.170    | 52 mm             | 12 mm<br>16 mm                   |
| <br>GR.170/2  | 52 mm             | 12,019 mm                        |
| <br>GR.569   | 52,4 mm           | 11,94 mm                         |
| <br>GR.299 | 52,7 mm           | 11,94 mm<br>11,98 mm<br>14,94 mm |
| <br>GR.113  | 53 mm             | 15,94 mm                         |
| <br>GR.022  | 53 mm             | 15,86 mm                         |
| <br>GR.181 | 54 mm             | 11,94 mm<br>11,98 mm             |
| <br>GR.066  | 54,2 mm           | 11,98 mm<br>12,61 mm             |
| <br>GR.250  | 54,2 mm           | 14,94 mm<br>15,94 mm             |
| <br>GR.860  | 54,4 mm           | 11,94 mm                         |
| <br>GR.535  | 54,9 mm           | 15,86 mm<br>15,94 mm             |

Diameter 45-55 mm

| Item   | External diameter | Bushing diameter                  |
|--|-------------------|-----------------------------------|
| <br>GR.059   | 47,9 mm           | 11,98 mm                          |
| <br>GR.226   | 49 mm             | 11,94 mm<br>11,98 mm              |
| <br>GR.187    | 50 mm             | 11,94 mm<br>11,98 mm              |
| <br>GR.202   | 51,2 mm           | 15,94 mm                          |
| <br>GR.170/1 | 52 mm             | 9 mm                              |
| <br>GR.569/1 | 52,2 mm           | 15,86 mm                          |
| <br>GR.844  | 52,7 mm           | 15,86 mm<br>15,94 mm              |
| <br>GR.107 | 53 mm             | 11,93 mm<br>11,94 mm<br>12,175 mm |
| <br>GR.114 | 53 mm             | 15,94 mm                          |
| <br>GR.198 | 53,5 mm           | 15,86 mm                          |
| <br>GR.259 | 54 mm             | 11,98 mm                          |
| <br>GR.067 | 54,2 mm           | 15,86 mm<br>15,94 mm              |
| <br>GR.606 | 54,3 mm           | 11,94 mm<br>15,94 mm              |
| <br>GR.173 | 54,6 mm           | 11,94 mm<br>11,98 mm              |

Diameter 55-60 mm



| Item | External diameter | Bushing diameter |
|------|-------------------|------------------|
|------|-------------------|------------------|

|        |         |          |
|--------|---------|----------|
| GR.368 | 55,5 mm | 11,94 mm |
|--------|---------|----------|



|        |       |          |
|--------|-------|----------|
| GR.132 | 56 mm | 11,98 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.176 | 56 mm | 15,86 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.218 | 56 mm | 11,98 mm |
|--------|-------|----------|



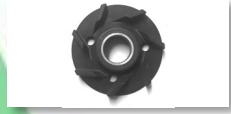
|        |         |                      |
|--------|---------|----------------------|
| GR.136 | 56,2 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.806 | 56,3 mm | 11,94 mm |
|--------|---------|----------|



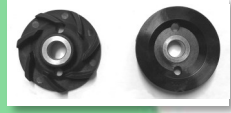
|        |         |          |
|--------|---------|----------|
| GR.592 | 56,6 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.751 | 57,5 mm | 11,98 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|



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|--------|---------|----------------------|
| GR.461 | 57,8 mm | 11,94 mm<br>14,94 mm |
|--------|---------|----------------------|



|        |       |          |
|--------|-------|----------|
| GR.605 | 58 mm | 11,94 mm |
|--------|-------|----------|



|         |       |          |
|---------|-------|----------|
| GR.1063 | 58 mm | 11,94 mm |
|---------|-------|----------|



|         |         |                      |
|---------|---------|----------------------|
| GR.9057 | 58,2 mm | 11,94 mm<br>11,98 mm |
|---------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.177 | 58,3 mm | 11,94 mm<br>15,86 mm |
|--------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.417 | 58,5 mm | 11,94 mm<br>12,73 mm |
|--------|---------|----------------------|



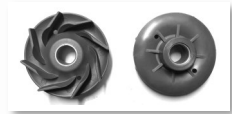
|        |         |          |
|--------|---------|----------|
| GR.110 | 58,5 mm | 11,94 mm |
|--------|---------|----------|

Diameter 55-60 mm



| Item | External diameter | Bushing diameter |
|------|-------------------|------------------|
|------|-------------------|------------------|

|        |       |                      |
|--------|-------|----------------------|
| GR.053 | 56 mm | 11,94 mm<br>11,98 mm |
|--------|-------|----------------------|



|        |       |          |
|--------|-------|----------|
| GR.171 | 56 mm | 11,98 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.216 | 56 mm | 14,94 mm |
|--------|-------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.135 | 56,2 mm | 11,94 mm<br>12,73 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.136 | 56,2 mm | 12,73 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.537 | 56,5 mm | 11,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |       |                |
|--------|-------|----------------|
| GR.260 | 57 mm | 12 mm<br>16 mm |
|--------|-------|----------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.174 | 57,8 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.811 | 57,8 mm | 11,94 mm |
|--------|---------|----------|



|        |       |          |
|--------|-------|----------|
| GR.740 | 58 mm | 11,94 mm |
|--------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.312 | 58,1 mm | 15,86 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.865 | 58,3 mm | 11,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.096 | 58,4 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.875 | 58,5 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.347 | 58,7 mm | 15,86 mm |
|--------|---------|----------|

Diameter 55-60 mm



| Item   | External diameter | Bushing diameter     |
|--------|-------------------|----------------------|
| GR.027 | 59 mm             | 11,94 mm<br>11,98 mm |



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.532 | 59 mm | 11,94 mm<br>11,98 mm<br>12,61 mm |
|--------|-------|----------------------------------|



|        |         |          |
|--------|---------|----------|
| GR.909 | 59,2 mm | 15,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.418 | 59,3 mm | 11,94 mm<br>15,86 mm |
|--------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.416 | 59,5 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.402 | 59,5 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.120 | 59,5 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.515 | 59,7 mm | 11,94 mm<br>12,73 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |          |
|--------|---------|----------|
| GR.215 | 59,8 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.137 | 59,9 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.193 | 59,9 mm | 14,94 mm<br>15,86 mm |
|--------|---------|----------------------|

Diameter 55-60 mm



| Item   | External diameter | Bushing diameter      |
|--------|-------------------|-----------------------|
| GR.348 | 59 mm             | 11,94 mm<br>11,995 mm |



|         |       |                                  |
|---------|-------|----------------------------------|
| GR.1060 | 59 mm | 11,94 mm<br>11,98 mm<br>15,94 mm |
|---------|-------|----------------------------------|



|         |         |          |
|---------|---------|----------|
| GR.9041 | 59,2 mm | 15,86 mm |
|---------|---------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.123 | 59,3 mm | 11,98 mm<br>14,94 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.416 | 59,5 mm | 11,94 mm<br>14,94 mm |
|--------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.008 | 59,5 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.364 | 59,7 mm | 11,98 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.983 | 59,7 mm | 11,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.212 | 59,9 mm | 11,98 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.193 | 59,9 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|

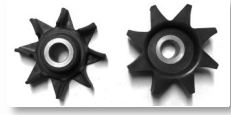
Diameter 60-65 mm



| Item   | External diameter | Bushing diameter     |
|--------|-------------------|----------------------|
| GR.234 | 60 mm             | 11,94 mm<br>11,98 mm |



|         |       |          |
|---------|-------|----------|
| GR.1062 | 60 mm | 11,94 mm |
|---------|-------|----------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.912 | 60 mm | 11,98 mm<br>11,94 mm<br>15,94 mm |
|--------|-------|----------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.552 | 60 mm | 15,94 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.502 | 60 mm | 12,73 mm<br>14,94 mm |
|--------|-------|----------------------|



|        |       |                      |
|--------|-------|----------------------|
| GR.007 | 60 mm | 14,94 mm<br>15,94 mm |
|--------|-------|----------------------|



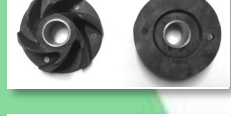
|        |       |          |
|--------|-------|----------|
| GR.206 | 60 mm | 11,98 mm |
|--------|-------|----------|



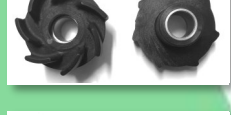
|        |       |                                  |
|--------|-------|----------------------------------|
| GR.164 | 60 mm | 11,94 mm<br>11,98 mm<br>15,86 mm |
|--------|-------|----------------------------------|



|        |       |                      |
|--------|-------|----------------------|
| GR.143 | 60 mm | 11,94 mm<br>11,98 mm |
|--------|-------|----------------------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.052 | 60 mm | 12,73 mm<br>15,86 mm<br>15,94 mm |
|--------|-------|----------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.025 | 60 mm | 15,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.261 | 60 mm | 11,94 mm |
|--------|-------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.781 | 60,2 mm | 11,94 mm<br>15,94 mm |
|--------|---------|----------------------|

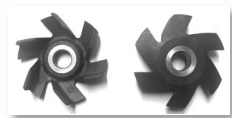


|        |         |                      |
|--------|---------|----------------------|
| GR.748 | 60,3 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.065 | 60,5 mm | 15,86 mm |
|--------|---------|----------|

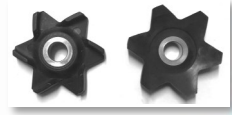
Diameter 60-65 mm



| Item    | External diameter | Bushing diameter |
|---------|-------------------|------------------|
| GR.1076 | 60 mm             | 11,94 mm         |



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.986 | 60 mm | 11,94 mm<br>11,98 mm<br>12,73 mm |
|--------|-------|----------------------------------|



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|--------|-------|----------|
| GR.837 | 60 mm | 11,94 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.502 | 60 mm | 15,86 mm<br>15,94 mm |
|--------|-------|----------------------|



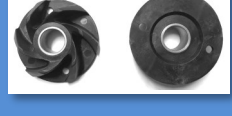
|        |       |          |
|--------|-------|----------|
| GR.340 | 60 mm | 15,86 mm |
|--------|-------|----------|



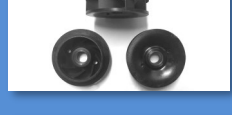
|        |       |                      |
|--------|-------|----------------------|
| GR.236 | 60 mm | 11,94 mm<br>15,86 mm |
|--------|-------|----------------------|



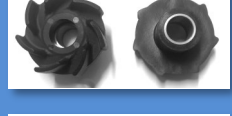
|        |       |          |
|--------|-------|----------|
| GR.199 | 60 mm | 11,98 mm |
|--------|-------|----------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.162 | 60 mm | 12,73 mm<br>15,86 mm<br>15,94 mm |
|--------|-------|----------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.076 | 60 mm | 11,98 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.026 | 60 mm | 14,94 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |       |                      |
|--------|-------|----------------------|
| GR.021 | 60 mm | 15,86 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.528 | 60,1 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.041 | 60,3 mm | 11,94 mm |
|--------|---------|----------|



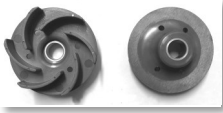










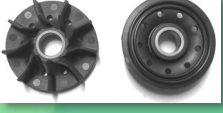



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.163 | 60,4 mm | 11,94 mm<br>12,61 mm<br>14,94 mm |
|--------|---------|----------------------------------|



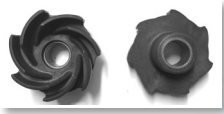














|        |         |                      |
|--------|---------|----------------------|
| GR.172 | 60,5 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|

Diameter 60-65 mm

| Item  | External diameter | Bushing diameter                 |
|---|-------------------|----------------------------------|
|  GR.263     | 60,7 mm           | 11,98 mm                         |
|  GR.032     | 60,9 mm           | 11,98 mm                         |
|  GR.169     | 61 mm             | 11,94 mm<br>11,98 mm             |
|  GR.247     | 61 mm             | 11,94 mm<br>11,98 mm             |
|  GR.157     | 61,5 mm           | 14,94 mm                         |
|  GR.768     | 61,6 mm           | 11,94 mm<br>15,86 mm             |
|  GR.038    | 62 mm             | 11,98 mm                         |
|  GR.045   | 62 mm             | 14,94 mm                         |
|  GR.124   | 62 mm             | 14,94 mm<br>15,86 mm             |
|  GR.239   | 62 mm             | 11,94 mm<br>11,98 mm             |
|  GR.436   | 62 mm             | 11,94 mm                         |
|  GR.812   | 62 mm             | 11,94 mm                         |
|  GR.339/1 | 62 mm             | 14,94 mm                         |
|  GR.020   | 62,2 mm           | 14,94 mm<br>15,86 mm<br>15,94 mm |
|  GR.167   | 62,2 mm           | 11,98 mm                         |

Diameter 60-65 mm

| Item   | External diameter | Bushing diameter                 |
|--|-------------------|----------------------------------|
|  GR.249    | 60,8 mm           | 11,94 mm                         |
|  GR.879    | 61 mm             | 11,94 mm<br>15,86 mm<br>15,94 mm |
|  GR.188    | 61 mm             | 15,86 mm                         |
|  GR.9141   | 61,5 mm           | 15,86 mm                         |
|  GR.1001   | 61,5 mm           | 11,94 mm                         |
|  GR.339/2  | 62 mm             | 11,98 mm<br>11,99 mm             |
|  GR.044   | 62 mm             | 11,98 mm                         |
|  GR.124  | 62 mm             | 11,94 mm<br>11,98 mm             |
|  GR.229  | 62 mm             | 11,94 mm<br>11,98 mm             |
|  GR.355  | 62 mm             | 11,94 mm                         |
|  GR.465  | 62 mm             | 15,94 mm                         |
|  GR.9083 | 62 mm             | 15,86 mm                         |
|  GR.938  | 62,1 mm           | 11,94 mm                         |
|  GR.085  | 62,2 mm           | 11,98 mm                         |
|  GR.816  | 62,2 mm           | 11,94 mm                         |

Diameter 60-65 mm

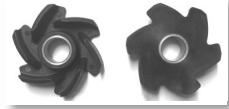


| Item | External diameter | Bushing diameter |
|------|-------------------|------------------|
|------|-------------------|------------------|

|         |         |          |
|---------|---------|----------|
| GR.1070 | 62,2 mm | 11,94 mm |
|---------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.339 | 62,4 mm | 14,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.375 | 62,7 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |       |                      |
|--------|-------|----------------------|
| GR.745 | 63 mm | 11,94 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.060 | 63 mm | 11,98 mm<br>15,86 mm<br>15,94 mm |
|--------|-------|----------------------------------|



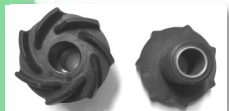
|        |       |          |
|--------|-------|----------|
| GR.099 | 63 mm | 11,94 mm |
|--------|-------|----------|



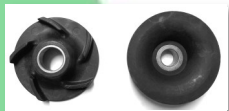
|        |       |          |
|--------|-------|----------|
| GR.232 | 63 mm | 11,98 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.269 | 63 mm | 11,94 mm<br>11,98 mm |
|--------|-------|----------------------|



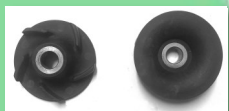
|        |         |          |
|--------|---------|----------|
| GR.148 | 63,2 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.204 | 63,5 mm | 15,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.042 | 63,6 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|



|         |         |          |
|---------|---------|----------|
| GR.9025 | 63,6 mm | 11,98 mm |
|---------|---------|----------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.003 | 64 mm | 11,98 mm<br>15,86 mm<br>15,94 mm |
|--------|-------|----------------------------------|

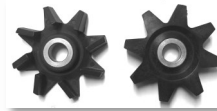


|        |       |          |
|--------|-------|----------|
| GR.186 | 64 mm | 11,98 mm |
|--------|-------|----------|



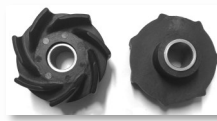
|        |         |          |
|--------|---------|----------|
| GR.910 | 64,2 mm | 11,94 mm |
|--------|---------|----------|

Diameter 60-65 mm



| Item | External diameter | Bushing diameter |
|------|-------------------|------------------|
|------|-------------------|------------------|

|        |         |          |
|--------|---------|----------|
| GR.409 | 62,3 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.017 | 62,6 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.985 | 62,7 mm | 11,94 mm<br>14,94 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.015 | 63 mm | 15,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.077 | 63 mm | 11,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.189 | 63 mm | 15,86 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.245 | 63 mm | 11,98 mm |
|--------|-------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.410 | 63,1 mm | 11,98 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |          |
|--------|---------|----------|
| GR.628 | 63,2 mm | 11,94 mm |
|--------|---------|----------|



|         |         |          |
|---------|---------|----------|
| GR.9040 | 63,5 mm | 15,86 mm |
|---------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.540 | 63,6 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |       |          |
|--------|-------|----------|
| GR.268 | 64 mm | 11,98 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.118 | 64 mm | 15,94 mm |
|--------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.149 | 64,2 mm | 15,94 mm |
|--------|---------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.208 | 64,4 mm | 14,94 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|

Diameter 60-65 mm



| Item     | External diameter | Bushing diameter     |
|----------|-------------------|----------------------|
| GR.101.6 | 64,4 mm           | 14,94 mm<br>15,86 mm |
| GR.9074  | 64,5 mm           | 15,86 mm<br>15,94 mm |
| GR.876   | 64,6 mm           | 11,94 mm             |
| GR.140   | 64,7 mm           | 12,73 mm<br>15,94 mm |
| GR.133   | 64,8 mm           | 15,86 mm<br>15,94 mm |



Diameter 60-65 mm



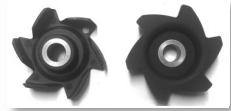
| Item    | External diameter | Bushing diameter     |
|---------|-------------------|----------------------|
| GR.953  | 64,5 mm           | 11,94 mm<br>15,94 mm |
| GR.086  | 64,6 mm           | 11,94 mm             |
| GR.7115 | 64,6 mm           | 11,94 mm<br>14,94 mm |
| GR.866  | 64,7 mm           | 11,94 mm             |
| GR.133  | 64,8 mm           | 11,94 mm<br>14,94 mm |



Diameter 65-70 mm



| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.342 | 65 mm             | 11,94 mm         |



|         |       |          |
|---------|-------|----------|
| GR.1154 | 65 mm | 11,94 mm |
|---------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.084 | 65 mm | 15,86 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.051 | 65 mm | 11,94 mm<br>11,98 mm |
|--------|-------|----------------------|



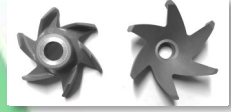
|        |       |          |
|--------|-------|----------|
| GR.011 | 65 mm | 15,86 mm |
|--------|-------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.814 | 65,1 mm | 11,94 mm<br>15,94 mm |
|--------|---------|----------------------|



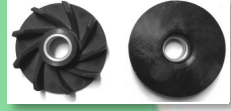
|        |       |          |
|--------|-------|----------|
| GR.810 | 66 mm | 11,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.158 | 66 mm | 11,94 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.644 | 66 mm | 14,94 mm<br>15,86 mm |
|--------|-------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.421 | 66,4 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.425 | 66,5 mm | 15,94 mm |
|--------|---------|----------|



|        |         |                                 |
|--------|---------|---------------------------------|
| GR.185 | 66,8 mm | 14,94mm<br>15,86 mm<br>15,94 mm |
|--------|---------|---------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.242 | 67 mm | 11,94 mm |
|--------|-------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.776 | 67,1 mm | 11,94 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|

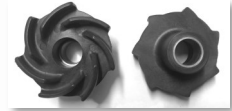


|         |         |                      |
|---------|---------|----------------------|
| GR.9035 | 67,4 mm | 15,86 mm<br>15,94 mm |
|---------|---------|----------------------|

Diameter 65-70 mm



| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.001 | 65 mm             | 15,94 mm         |



|        |       |          |
|--------|-------|----------|
| GR.101 | 65 mm | 15,86 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.080 | 65 mm | 11,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.043 | 65 mm | 11,98 mm |
|--------|-------|----------|



|         |       |          |
|---------|-------|----------|
| GR.9161 | 65 mm | 11,93 mm |
|---------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.009 | 65,5 mm | 15,94 mm |
|--------|---------|----------|



|        |       |          |
|--------|-------|----------|
| GR.100 | 66 mm | 15,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.228 | 66 mm | 11,98 mm |
|--------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.091 | 66,1 mm | 15,94 mm |
|--------|---------|----------|



|         |         |          |
|---------|---------|----------|
| GR.9018 | 66,4 mm | 12,73 mm |
|---------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.867 | 66,5 mm | 11,94 mm |
|--------|---------|----------|



|        |       |          |
|--------|-------|----------|
| GR.677 | 67 mm | 15,86 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.258 | 67 mm | 11,94 mm |
|--------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.851 | 67,1 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.016 | 67,5 mm | 15,94 mm |
|--------|---------|----------|

Diameter 65-70 mm



| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.019 | 67,5 mm           | 15,94 mm         |



|        |         |          |
|--------|---------|----------|
| GR.588 | 67,5 mm | 15,86 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.906 | 67,7 mm | 15,86 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.196 | 67,8 mm | 15,86 mm |
|--------|---------|----------|



|        |       |                                  |
|--------|-------|----------------------------------|
| GR.023 | 68 mm | 14,94 mm<br>15,86 mm<br>15,94 mm |
|--------|-------|----------------------------------|



|        |       |          |
|--------|-------|----------|
| GR.152 | 68 mm | 15,86 mm |
|--------|-------|----------|



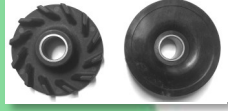
|        |       |                      |
|--------|-------|----------------------|
| GR.900 | 68 mm | 14,94 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.506 | 68,1 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.771 | 68,2 mm | 15,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.014 | 68,3 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.387 | 68,5 mm | 15,86 mm |
|--------|---------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.413 | 68,7 mm | 11,94 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |          |
|--------|---------|----------|
| GR.760 | 69,2 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.522 | 69,4 mm | 11,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|         |         |          |
|---------|---------|----------|
| GR.1061 | 69,5 mm | 15,94 mm |
|---------|---------|----------|

Diameter 65-70 mm



| Item   | External diameter | Bushing diameter     |
|--------|-------------------|----------------------|
| GR.155 | 67,5 mm           | 15,86 mm<br>15,94 mm |



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.587 | 67,6 mm | 11,94 mm<br>14,94 mm<br>15,86 mm |
|--------|---------|----------------------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.195 | 67,8 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |       |          |
|--------|-------|----------|
| GR.013 | 68 mm | 15,94 mm |
|--------|-------|----------|



|        |       |          |
|--------|-------|----------|
| GR.058 | 68 mm | 15,86 mm |
|--------|-------|----------|



|        |       |                      |
|--------|-------|----------------------|
| GR.501 | 68 mm | 11,94 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.028 | 68,1 mm | 14,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.729 | 68,2 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.057 | 68,2 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.214 | 68,5 mm | 15,86 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.883 | 68,6 mm | 11,94 mm |
|--------|---------|----------|



|        |       |          |
|--------|-------|----------|
| GR.944 | 69 mm | 11,94 mm |
|--------|-------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.111 | 69,4 mm | 11,94 mm<br>15,86 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |          |
|--------|---------|----------|
| GR.521 | 69,5 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.222 | 69,5 mm | 11,98 mm |
|--------|---------|----------|

Diameter 65-70 mm



| Item    | External diameter | Bushing diameter                 |
|---------|-------------------|----------------------------------|
| GR.217  | 69,5 mm           | 15,86 mm<br>15,94 mm             |
| GR.030  | 69,5 mm           | 11,98 mm                         |
| GR.359  | 69,6 mm           | 11,94 mm<br>15,86 mm<br>15,94 mm |
| GR.9011 | 69,6 mm           | 15,86 mm                         |
| GR.192  | 69,7 mm           | 15,94 mm                         |
| GR.9017 | 69,8 mm           | 15,86 mm                         |



Diameter 65-70 mm



| Item   | External diameter | Bushing diameter     |
|--------|-------------------|----------------------|
| GR.145 | 69,5 mm           | 11,94 mm<br>11,98 mm |
| GR.238 | 69,6 mm           | 14,94 mm<br>15,94 mm |
| GR.802 | 69,6 mm           | 11,94 mm<br>14,94 mm |
| GR.018 | 69,6 mm           | 15,86 mm<br>15,94 mm |
| GR.996 | 69,7 mm           | 15,86 mm<br>15,94 mm |



Diameter 70-75 mm



| Item    | External diameter | Bushing diameter                 |
|---------|-------------------|----------------------------------|
| GR.109  | 70 mm             | 14,94 mm<br>15,94 mm             |
| GR.553  | 70 mm             | 14,94 mm<br>15,86 mm<br>15,94 mm |
| GR.029  | 70 mm             | 15,86 mm                         |
| GR.128  | 70,2 mm           | 14,94 mm<br>15,94 mm             |
| GR.1003 | 70,2 mm           | 11,94 mm                         |
| GR.270  | 70,4 mm           | 14,94 mm<br>15,94 mm             |
| GR.213  | 70,6 mm           | 11,94 mm<br>15,94 mm             |
| GR.142  | 70,8 mm           | 15,86 mm<br>15,94 mm             |
| GR.094  | 70,8 mm           | 12,73 mm                         |
| GR.081  | 71 mm             | 15,86 mm                         |
| GR.534  | 71 mm             | 11,93 mm<br>11,94 mm<br>15,94 mm |
| GR.1016 | 71 mm             | 11,94 mm<br>11,98 mm             |
| GR.230  | 71,2 mm           | 11,94 mm<br>11,98 mm<br>12,73 mm |
| GR.741  | 71,5 mm           | 11,94 mm                         |
| GR.095  | 72 mm             | 11,94 mm                         |

Diameter 70-75 mm



| Item   | External diameter | Bushing diameter                 |
|--------|-------------------|----------------------------------|
| GR.190 | 70 mm             | 15,86 mm                         |
| GR.711 | 70 mm             | 16 mm                            |
| GR.128 | 70,2 mm           | 11,93 mm<br>11,98 mm<br>11,99 mm |
| GR.579 | 70,2 mm           | 14,94 mm<br>15,94 mm             |
| GR.106 | 70,3 mm           | 11,94 mm<br>11,98 mm             |
| GR.571 | 70,5 mm           | 11,94 mm<br>11,98 mm             |
| GR.680 | 70,8 mm           | 11,94 mm<br>15,94 mm             |
| GR.141 | 70,8 mm           | 15,86 mm<br>15,94 mm             |
| GR.141 | 70,8 mm           | 12,73 mm<br>14,94 mm             |
| GR.087 | 71 mm             | 15,94 mm                         |
| GR.536 | 71 mm             | 11,94 mm                         |
| GR.666 | 71,1 mm           | 15,94 mm                         |
| GR.585 | 71,5 mm           | 11,94 mm                         |
| GR.468 | 72 mm             | 11,94 mm                         |
| GR.116 | 72,1 mm           | 15,94 mm                         |

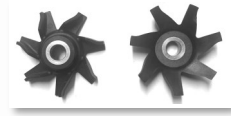
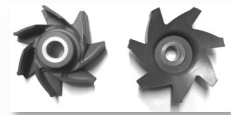
Diameter 70-75 mm



| Item    | External diameter | Bushing diameter                 |
|---------|-------------------|----------------------------------|
| GR.121  | 72,1 mm           | 15,86 mm<br>15,94 mm             |
| GR.629  | 72,2 mm           | 14,94 mm                         |
| GR.277  | 72,3 mm           | 14,94 mm<br>15,86 mm<br>15,94 mm |
| GR.750  | 72,5 mm           | 15,86 mm<br>15,94 mm             |
| GR.981  | 72,7 mm           | 14,94 mm                         |
| GR.010  | 73,2 mm           | 15,86 mm                         |
| GR.088  | 73,6 mm           | 11,98 mm                         |
| GR.182  | 74 mm             | 11,94 mm<br>11,98 mm             |
| GR.676  | 74 mm             | 15,86 mm<br>15,94 mm             |
| GR.460  | 74,3 mm           | 14,94 mm<br>15,94 mm             |
| GR.449  | 74,5 mm           | 15,86 mm                         |
| GR.9060 | 74,9 mm           | 15,86 mm<br>15,94 mm             |



Diameter 70-75 mm



| Item    | External diameter | Bushing diameter                 |
|---------|-------------------|----------------------------------|
| GR.203  | 72,2 mm           | 11,94 mm                         |
| GR.1144 | 72,2 mm           | 11,94 mm<br>11,98 mm             |
| GR.431  | 72,3 mm           | 15,86 mm                         |
| GR.9105 | 72,5 mm           | 11,94 mm                         |
| GR.7116 | 73,1 mm           | 15,86 mm<br>15,94 mm             |
| GR.191  | 73,2 mm           | 15,86 mm<br>15,94 mm             |
| GR.105  | 74 mm             | 11,99 mm<br>14,94 mm             |
| GR.676  | 74 mm             | 11,98 mm<br>11,99 mm<br>14,94 mm |
| GR.1013 | 74 mm             | 11,98 mm<br>15,86 mm<br>15,94 mm |
| GR.082  | 74,5 mm           | 11,98 mm                         |
| GR.852  | 74,7 mm           | 15,94 mm                         |
| GR.9060 | 74,9 mm           | 11,94 mm<br>12,73 mm             |

Diameter 75-80 mm



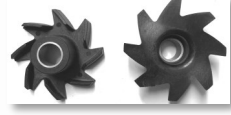
| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.823 | 75 mm             | 11,94 mm         |



|        |         |                      |
|--------|---------|----------------------|
| GR.923 | 75,1 mm | 11,94 mm<br>14,94 mm |
|--------|---------|----------------------|



|         |         |                      |
|---------|---------|----------------------|
| GR.1009 | 75,2 mm | 11,94 mm<br>15,86 mm |
|---------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.935 | 75,4 mm | 15,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.150 | 75,5 mm | 14,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.887 | 75,7 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|



|        |       |          |
|--------|-------|----------|
| GR.630 | 76 mm | 11,94 mm |
|--------|-------|----------|



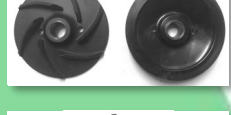
|        |         |                      |
|--------|---------|----------------------|
| GR.770 | 76,3 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



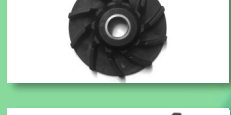
|        |         |       |
|--------|---------|-------|
| GR.578 | 76,7 mm | 16 mm |
|--------|---------|-------|



|        |         |                      |
|--------|---------|----------------------|
| GR.282 | 78,4 mm | 14,94 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.074 | 78,5 mm | 11,98 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.561 | 78,5 mm | 14,94 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.919 | 78,6 mm | 11,94 mm<br>14,94 mm |
|--------|---------|----------------------|



|        |       |                      |
|--------|-------|----------------------|
| GR.031 | 79 mm | 15,86 mm<br>15,94 mm |
|--------|-------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.102 | 79,5 mm | 11,94 mm |
|--------|---------|----------|

Diameter 75-80 mm



| Item   | External diameter | Bushing diameter                 |
|--------|-------------------|----------------------------------|
| GR.746 | 75 mm             | 11,94 mm<br>15,86 mm<br>15,94 mm |



|        |         |                      |
|--------|---------|----------------------|
| GR.923 | 75,1 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.420 | 75,3 mm | 15,86 mm<br>15,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.598 | 75,4 mm | 11,94 mm |
|--------|---------|----------|



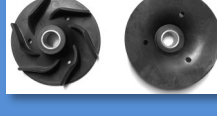
|        |         |                                  |
|--------|---------|----------------------------------|
| GR.125 | 75,6 mm | 11,99 mm<br>14,94 mm<br>15,94 mm |
|--------|---------|----------------------------------|



|        |         |                |
|--------|---------|----------------|
| GR.168 | 75,9 mm | 10 mm 11,94 mm |
|--------|---------|----------------|



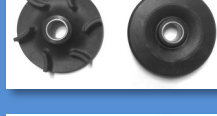
|        |       |          |
|--------|-------|----------|
| GR.980 | 76 mm | 15,94 mm |
|--------|-------|----------|



|        |         |          |
|--------|---------|----------|
| GR.200 | 76,4 mm | 11,98 mm |
|--------|---------|----------|



|        |         |       |
|--------|---------|-------|
| GR.280 | 76,7 mm | 16 mm |
|--------|---------|-------|



|        |         |          |
|--------|---------|----------|
| GR.005 | 78,5 mm | 11,94 mm |
|--------|---------|----------|



|        |         |          |
|--------|---------|----------|
| GR.139 | 78,5 mm | 11,98 mm |
|--------|---------|----------|



|        |         |                      |
|--------|---------|----------------------|
| GR.920 | 78,6 mm | 11,93 mm<br>11,94 mm |
|--------|---------|----------------------|



|        |         |          |
|--------|---------|----------|
| GR.055 | 78,7 mm | 11,94 mm |
|--------|---------|----------|



|        |         |                                  |
|--------|---------|----------------------------------|
| GR.097 | 79,5 mm | 11,94 mm<br>11,98 mm<br>15,86 mm |
|--------|---------|----------------------------------|



|        |         |                      |
|--------|---------|----------------------|
| GR.179 | 79,5 mm | 11,94 mm<br>11,98 mm |
|--------|---------|----------------------|

Diameter 75-80 mm



| Item    | External diameter | Bushing diameter                 |
|---------|-------------------|----------------------------------|
| GR.194  | 79,5 mm           | 11,94 mm<br>11,98 mm             |
| GR.6006 | 79,5 mm           | 11,94 mm<br>11,98 mm<br>12,73 mm |



Diameter 75-80 mm



| Item   | External diameter | Bushing diameter                 |
|--------|-------------------|----------------------------------|
| GR.507 | 79,5 mm           | 14,94 mm                         |
| GR.731 | 79,9 mm           | 11,94 mm<br>15,86 mm<br>15,94 mm |



Diameter  
80-135 mm

| Item   | External diameter | Bushing diameter     |
|--------|-------------------|----------------------|
| GR.932 | 80 mm             | 11,94 mm             |
| GR.724 | 80,5 mm           | 14,94 mm<br>15,94 mm |
| GR.160 | 81,6 mm           | 14,94 mm             |
| GR.736 | 81,6 mm           | 12,73 mm<br>15,94 mm |
| GR.161 | 81,8 mm           | 14,94 mm             |
| GR.240 | 84 mm             | 11,94 mm<br>11,98 mm |
| GR.566 | 85,5 mm           | 15,86 mm<br>15,94 mm |
| GR.166 | 86 mm             | 11,94 mm<br>11,98 mm |
| GR.400 | 91 mm             | 11,98 mm             |
| GR.073 | 93 mm             | 15,94 mm             |
| GR.108 | 93,3 mm           | 11,94 mm<br>12,73 mm |
| GR.093 | 93,8 mm           | 11,94 mm             |
| GR.719 | 95,5 mm           | 15,94 mm             |
| GR.147 | 117,9 mm          | 15 mm                |
| GR.054 | 120 mm            | 15 mm                |

Diameter  
80-135 mm

| Item   | External diameter | Bushing diameter                 |
|--------|-------------------|----------------------------------|
| GR.462 | 80,1 mm           | 11,93 mm                         |
| GR.201 | 80,6 mm           | 11,98 mm                         |
| GR.736 | 81,6 mm           | 11,94 mm<br>11,98 mm             |
| GR.072 | 81,8 mm           | 11,98 mm                         |
| GR.144 | 83,6 mm           | 11,94 mm<br>15,86 mm<br>15,94 mm |
| GR.921 | 84,2 mm           | 14,94 mm                         |
| GR.078 | 86 mm             | 11,94 mm<br>11,98 mm             |
| GR.255 | 90,7 mm           | 11,98 mm                         |
| GR.024 | 92,8 mm           | 15,94 mm                         |
| GR.090 | 93 mm             | 15,94 mm                         |
| GR.159 | 93,3 mm           | 11,94 mm<br>12,73 mm             |
| GR.040 | 95 mm             | 20 mm                            |
| GR.317 | 115 mm            | 14,94 mm                         |
| GR.056 | 118 mm            | 15 mm                            |
| GR.153 | 130 mm            | 15 mm                            |



Diameter  
80-135 mm



| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.231 | 130 mm            | 15 mm            |

Diameter  
80-135 mm



| Item   | External diameter | Bushing diameter |
|--------|-------------------|------------------|
| GR.256 | 130 mm            | 15 mm            |