

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Basisausführung

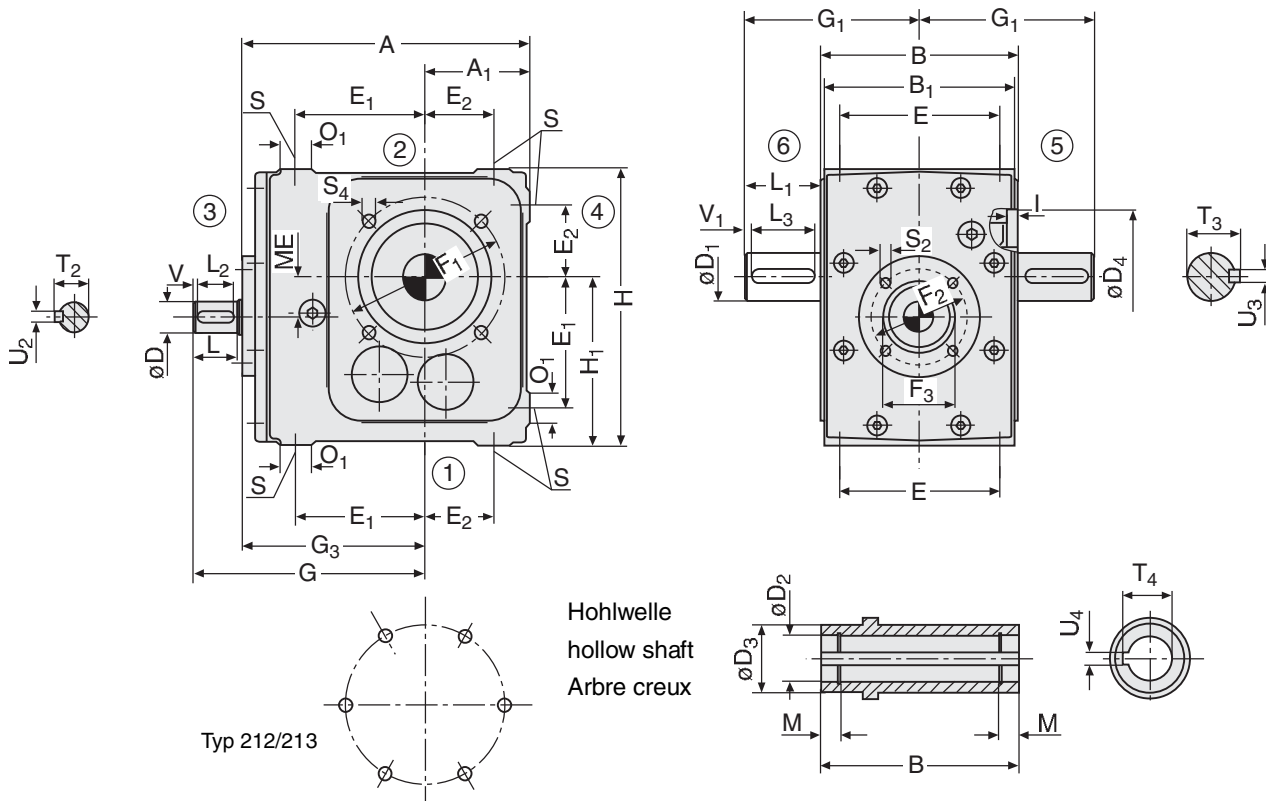
Basic design

Exécution de base

Type E 112 / 113 B

Type E 212 / 213 B

2



Typ 212/213

Hohlwelle
hollow shaft
Arbre creux

| Type | ME | A | B | D _{k6} | L | D ₂ ^{H7} | E | E ₂ | F ₁ |
|---------|------|----------------|----------------|-------------------|----------------|------------------------------|------|----------------|----------------|
| | | A ₁ | B ₁ | D _{1 k6} | L ₁ | D ₃ | | | |
| E 112 B | 29,8 | 216,5 | 150 | 18 | 28 | 35 | 120 | 52,5 | 120 |
| E 113 B | | 80 | 145 | 35 | 70 | 100 | 97,5 | | 70 |
| E 212 B | 4,3 | 286,5 | 180 | 19 | 40 | 40 | 140 | 50 | 150 |
| E 213 B | | 90 | 175 | 40 | 80 | 110 | 105 | | 85 |

| Type | F ₃ ^{H7} | G ₁ | H | I | L ₃ | S | T ₂ | U ₂ ^{h9} | V |
|---------|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------|-----|
| | G | G ₃ | H ₁ | L ₂ | M | S ₂ | T ₃ | U ₃ ^{h9} | |
| E 112 B | 52 | 145 | 205 | 3,5 | 63 | M10x17 | 20,5 | 6 | 1,5 |
| E 113 B | | | | | 5,6 | M8x17 | 38 | 10 | |
| E 212 B | 72 | 170 | 240 | 3,5 | 70 | M12x24 | 21,5 | 6 | 4 |
| E 213 B | | | | | 6,3 | M8x17 | 43 | 12 | |
| | 238 | 196,5 | 150 | 32 | 35 | 6x M10x18 | 43,3 | 12 | 5 |

Bitte Hinweise zu den Maßblättern in der Katalogeinführung beachten.

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Basisausführung

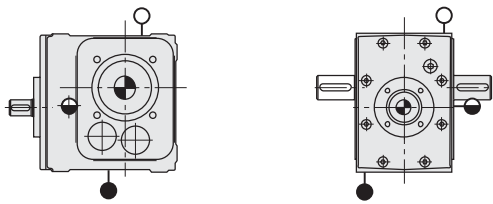
Basic design

Exécution de base

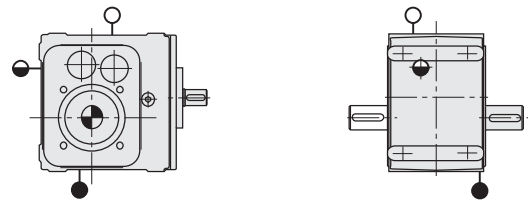
Type E 112 / 113 B

Type E 212 / 213 B

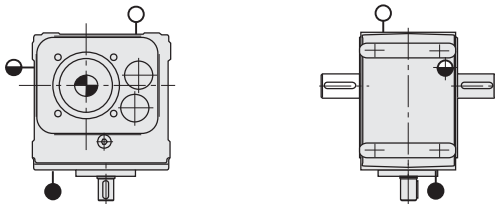
B - 1



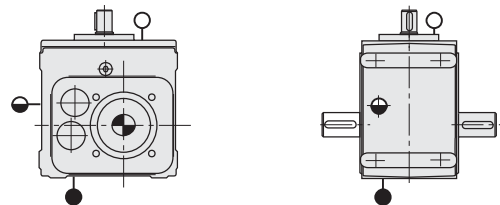
B - 2



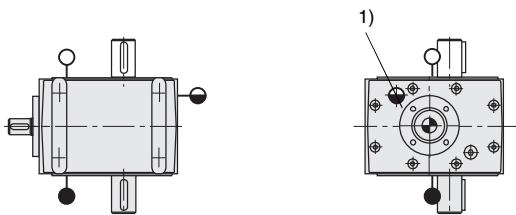
B - 3



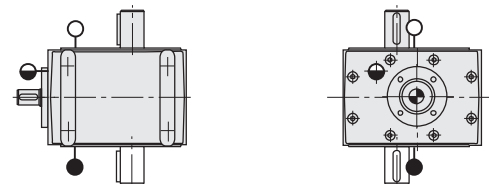
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Fußausführung

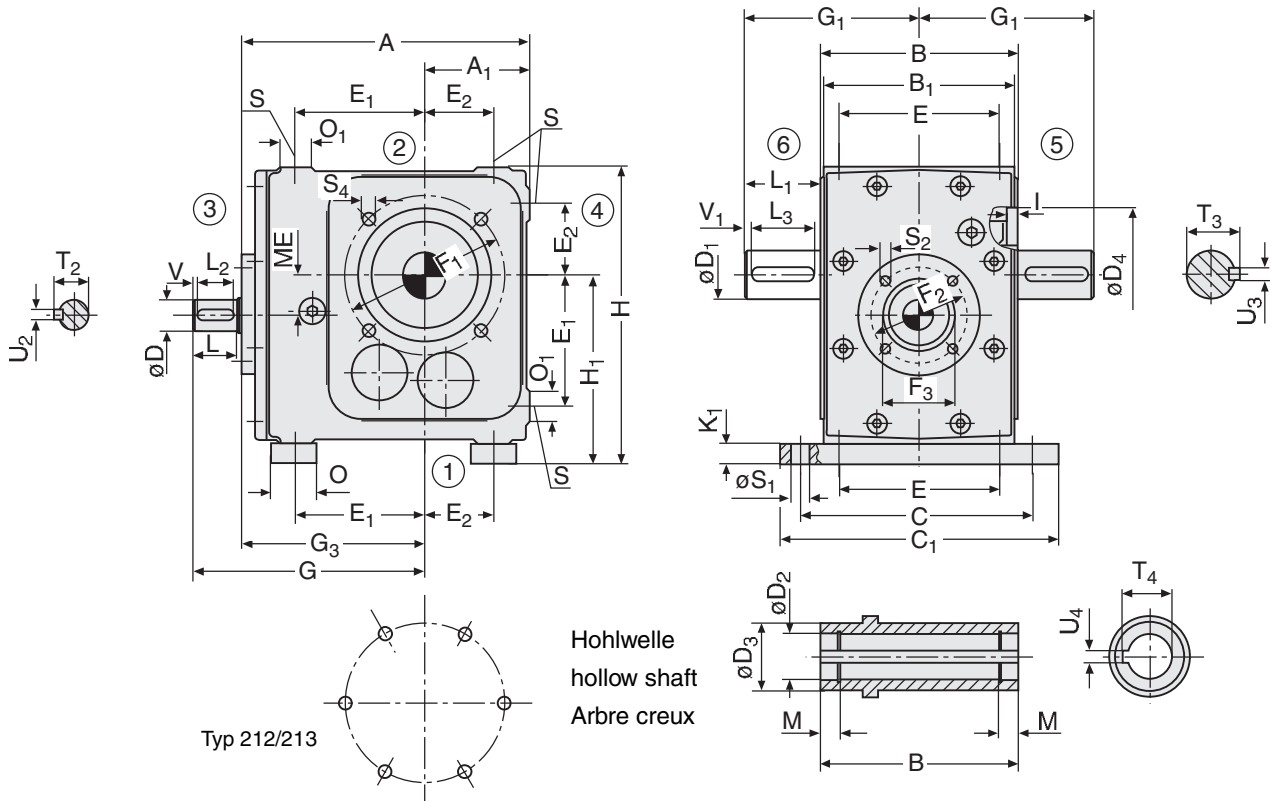
Foot mounted

Exécution à pied

Type E 112 / 113 G

Type E 212 / 213 G

2



| Type | ME | A | B | C | D k6 | L | D ₂ ^{H7} D ₃ D ₄ ^{H7} | E | E ₂ | F ₁ F ₂ |
|--------------------|------|-------|-----|-----|------|----|--|------|----------------|----------------------------------|
| E 112 G E 113 G | 29,8 | 216,5 | 150 | 180 | 18 | 28 | 35 | 120 | 52,5 | 120 |
| | | 80 | 145 | 210 | 35 | 70 | 100 | 97,5 | | 70 |
| E 212 G E 213 G | 4,3 | 286,5 | 180 | 215 | 19 | 40 | 40 | 140 | 50 | 150 |
| | | 90 | 175 | 250 | 40 | 80 | 110 | 105 | | 85 |

| Type | F ₃ ^{H7} G | G ₁ G ₃ | H H ₁ | I K ₁ | L ₂ L ₃ M | O O ₁ S | S ₁ S ₂ S ₄ | T ₂ T ₃ T ₄ ^{+0,2} | U ₂ ^{h9} U ₃ ^{h9} U ₄ ^{JS9} | V V ₁ |
|--------------------|-----------------------------------|----------------------------------|---------------------|---------------------|---------------------------------------|--------------------------|--|--|---|---------------------|
| E 112 G E 113 G | 52 | 145 | 217 | 3,5 | 25 63 | 35 25 | 15 M8x17 | 20,5 38 | 6 10 | 1,5 3 |
| E 212 G E 213 G | 72 238 | 170 196,5 | 260 170 | 3,5 20 | 32 70 6,3 | 40 35 | 13,5 M8x17 6x M10x18 | 21,5 43 43,3 | 6 12 12 | 4 5 |

Bitte Hinweise zu den Maßblättern in der Katalogeinführung beachten.

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Fußausführung

Foot mounted

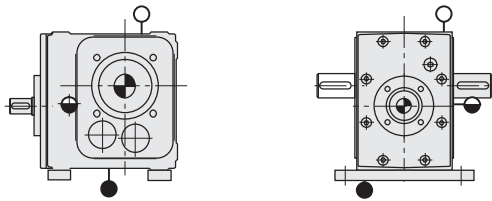
Exécution à pied

Type E 112 / 113 G

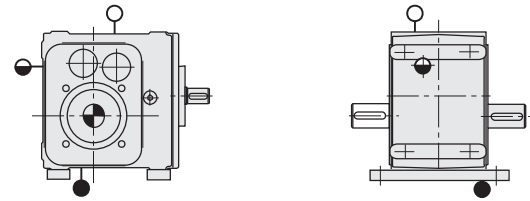
Type E 212 / 213 G

2

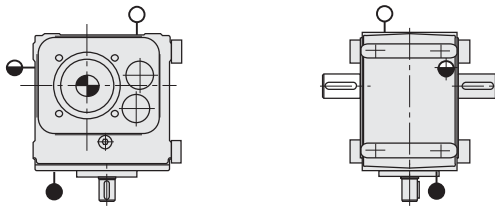
B - 1



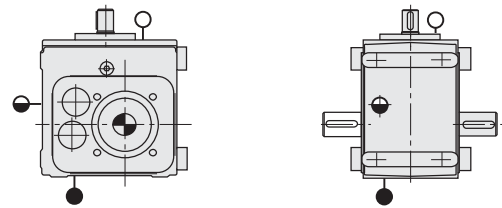
B - 2



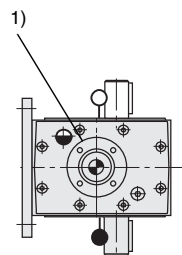
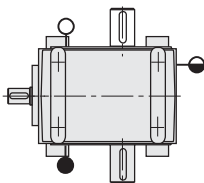
B - 3



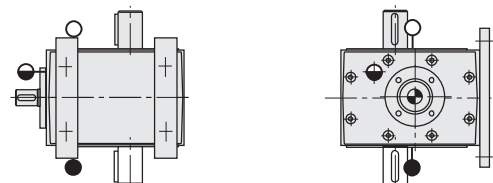
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Flanschausführung

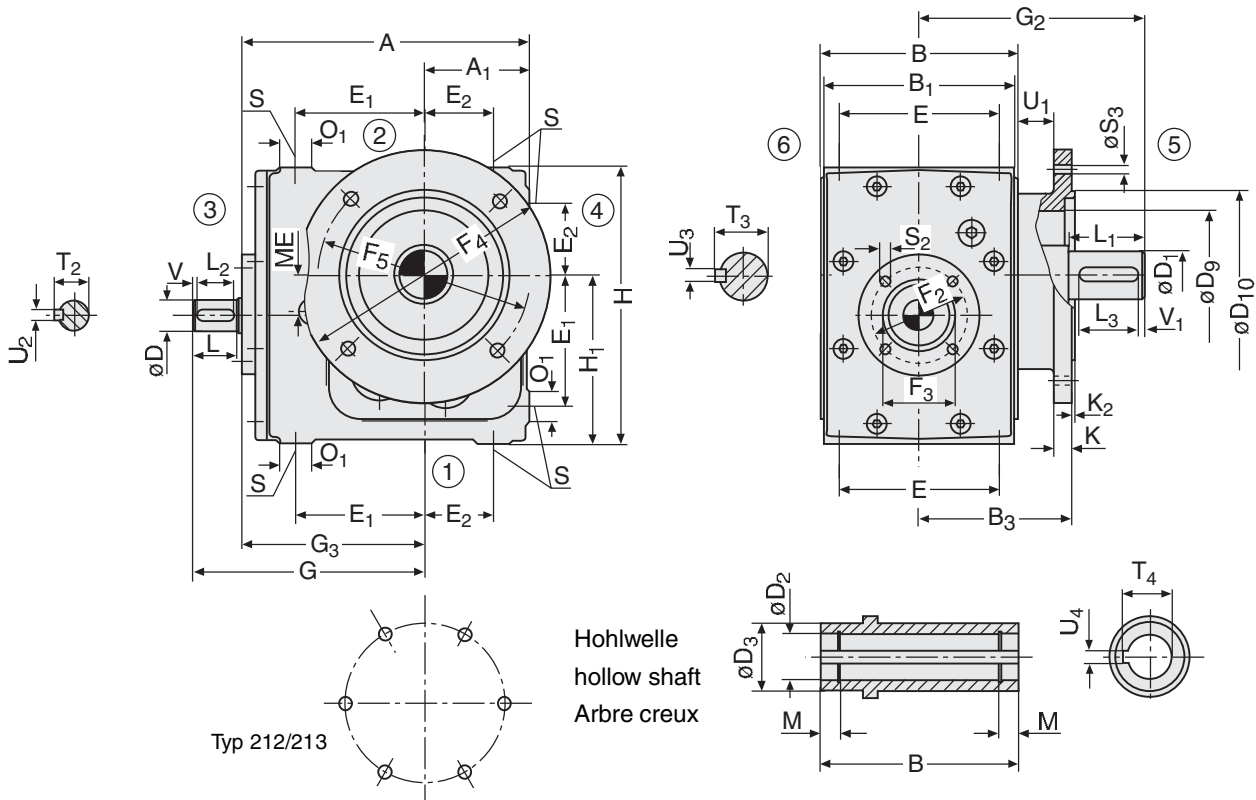
Flange mounted

Exécution à flasque-bride

Type E 112 / 113 F

Type E 212 / 213 F

2



| Type | ME | A | B | D _{k6} | L | D ₂ ^{H7} | D ₉ | E | F ₂ |
|---------|------|----------------|----------------------------------|-------------------|----------------|------------------------------|-------------------|----------------------------------|--|
| | | A ₁ | B ₁ B ₃ | D _{1 k6} | L ₁ | D ₃ | D _{10h6} | E ₁ E ₂ | F ₃ ^{H7} F ₄ |
| E 112 F | 29,8 | 216,5 | 150 | 18 | 28 | 35 | 90 | 120 | 70 |
| E 113 F | | 80 | 113 | 35 | 70 | 50 | 130 | 97,5 | 52 |
| E 212 F | 4,3 | 286,5 | 180 | 19 | 40 | 40 | 173 | 140 | 85 |
| E 213 F | | 90 | 145 | 40 | 80 | 60 | 180 | 105 | 72 |

| Type | F ₅ | G ₂ | H | K | L ₃ | S | T ₂ | U ₁ | U ₄ ^{JS9} |
|---------|----------------|----------------|----------------|----------------------------------|---------------------|----------------------------------|----------------------------------|--|-------------------------------|
| | G | G ₃ | H ₁ | K ₂ L ₂ | M O ₁ | S ₂ S ₃ | T ₃ T ₄ | U ₂ ^{h9} U ₃ ^{h9} | V V ₁ |
| E 112 F | 165 | 183 | 205 | 12 | 63 | M10x17 | 20,5 | 26 | 10 |
| E 113 F | 167,5 | 136,5 | 125 | 3 | 5,6 | M8x17 | 38 | 6 | 1,5 |
| E 212 F | | | | 215 | 225 | 240 | 14 | 70 | M12x24 |
| E 213 F | 238 | 196,5 | 150 | 3 | 6,3 | M8x17 | 43 | 6 | 4 |
| E 213 F | | | | 32 | 35 | 13,5 | 43,3 | 12 | 5 |

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Flanschausführung

Flange mounted

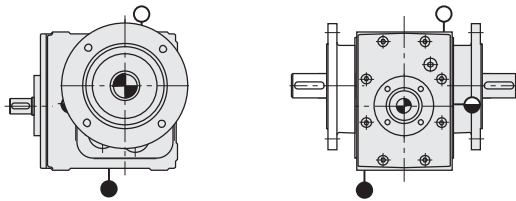
Exécution à flasque-bride

Type E 112 / 113 F

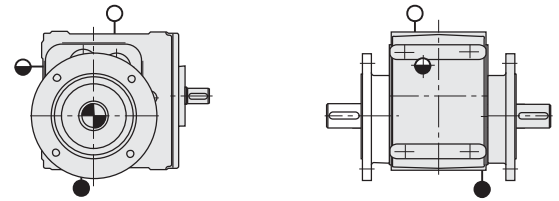
Type E 212 / 213 F

2

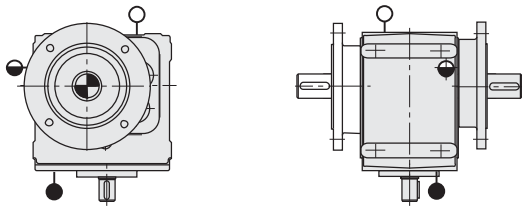
B - 1



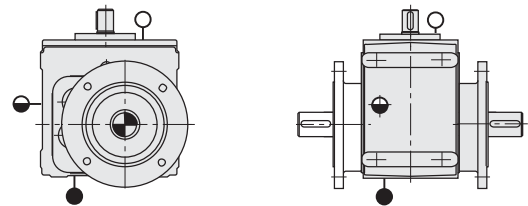
B - 2



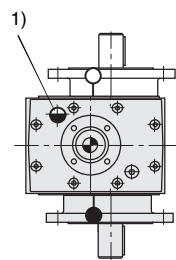
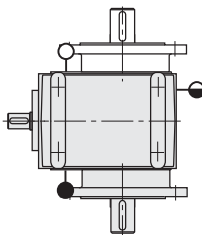
B - 3



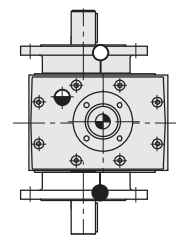
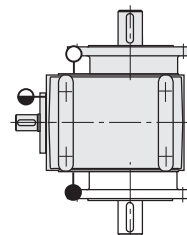
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
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Aufsteckausführung

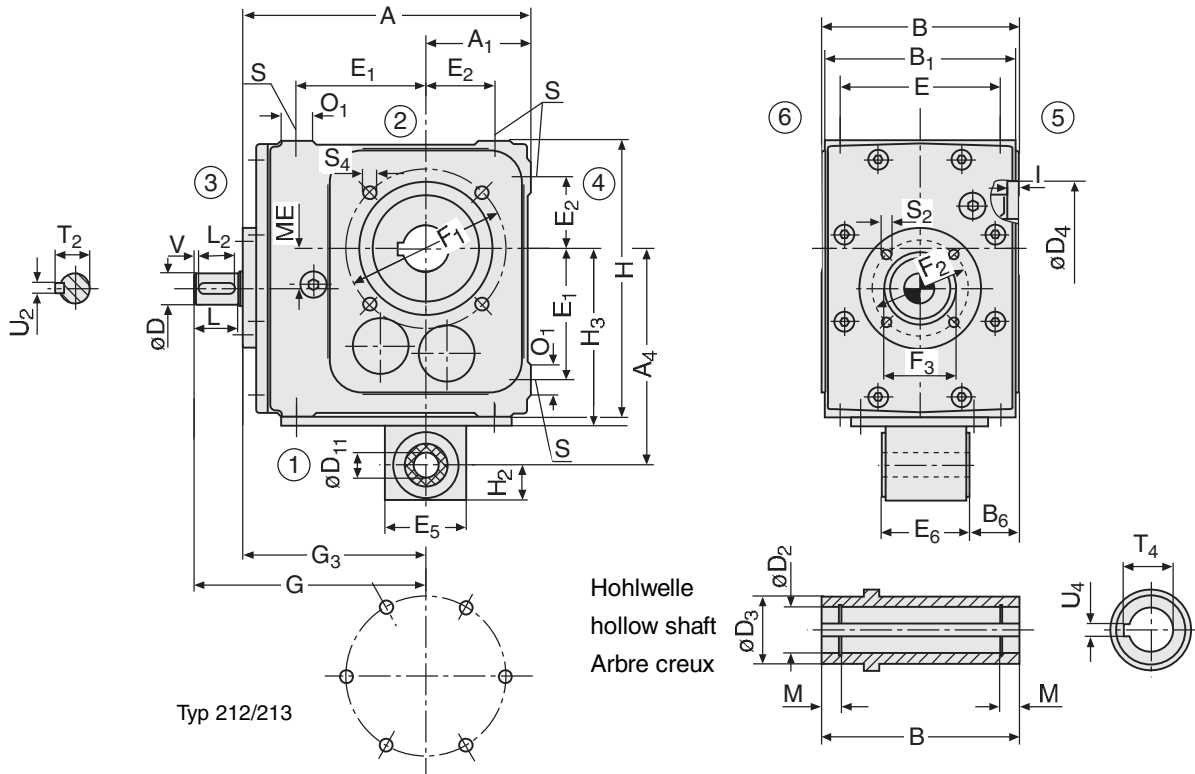
Shaft mounted

Exécution à arbre creux

Type E 112 / 113 A

Type E 212 / 213 A

2



| Type | ME | A A ₁ A ₄ | B B ₁ B ₆ | D _{k6} | L | D ₂ ^{H7} D ₃ D ₄ ^{H7} | D ₁₁ ^{H9} E | E ₁ E ₂ | E ₅ E ₆ | F ₁ |
|--------------------|------|---------------------------------------|---------------------------------------|-----------------|----|--|------------------------------------|----------------------------------|----------------------------------|----------------|
| E 112 A E 113 A | 29,8 | 216,5 80 170 | 150 145 25 | 18 | 28 | 35 50 100 | 25 120 | 97,5 52,5 | 70 67,5 | 120 |
| E 212 A E 213 A | 4,3 | 286,5 90 200 | 180 175 38 | 19 | 40 | 40 60 110 | 25 140 | 105 50 | 70 69 | 150 |

| Type | F ₂ F ₃ ^{H7} | G G ₃ | H H ₃ | H ₂ I | L ₂ | M O ₁ | S S ₂ S ₄ | T ₂ T ₄ ^{+0,2} | U ₂ ^{h9} U ₄ ^{JS9} | V |
|--------------------|--|---------------------|---------------------|---------------------|----------------|---------------------|---------------------------------------|--|---|-----|
| E 112 A E 113 A | 70 | 167,5 | 205 | 35 | 25 | 5,6 | M10x17 M8x17 | 20,5 | 6 | 1,5 |
| E 212 A E 213 A | 85 72 | 238 196,5 | 240 165 | 35 3,5 | 32 | 6,3 35 | M12x24 M8x17 6x M10x18 | 21,5 43,3 | 6 12 | 4 |

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sans fin et engrenages

Aufsteckausführung

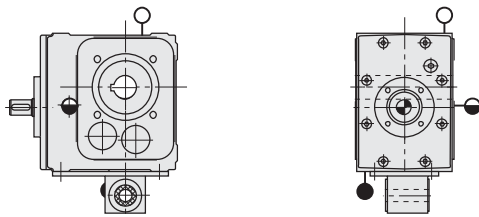
Shaft mounted

Exécution à arbre creux

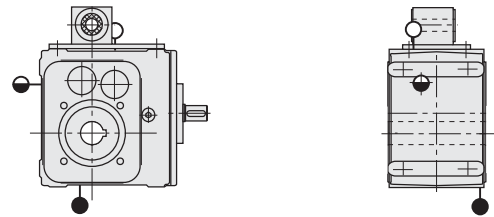
Type E 112 / 113 A

Type E 212 / 213 A

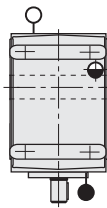
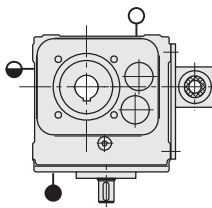
B - 1



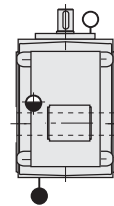
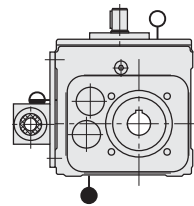
B - 2



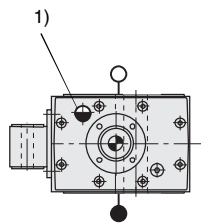
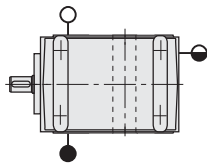
B - 3



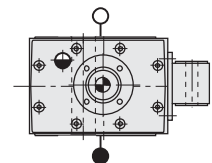
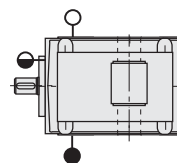
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

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Basisausführung

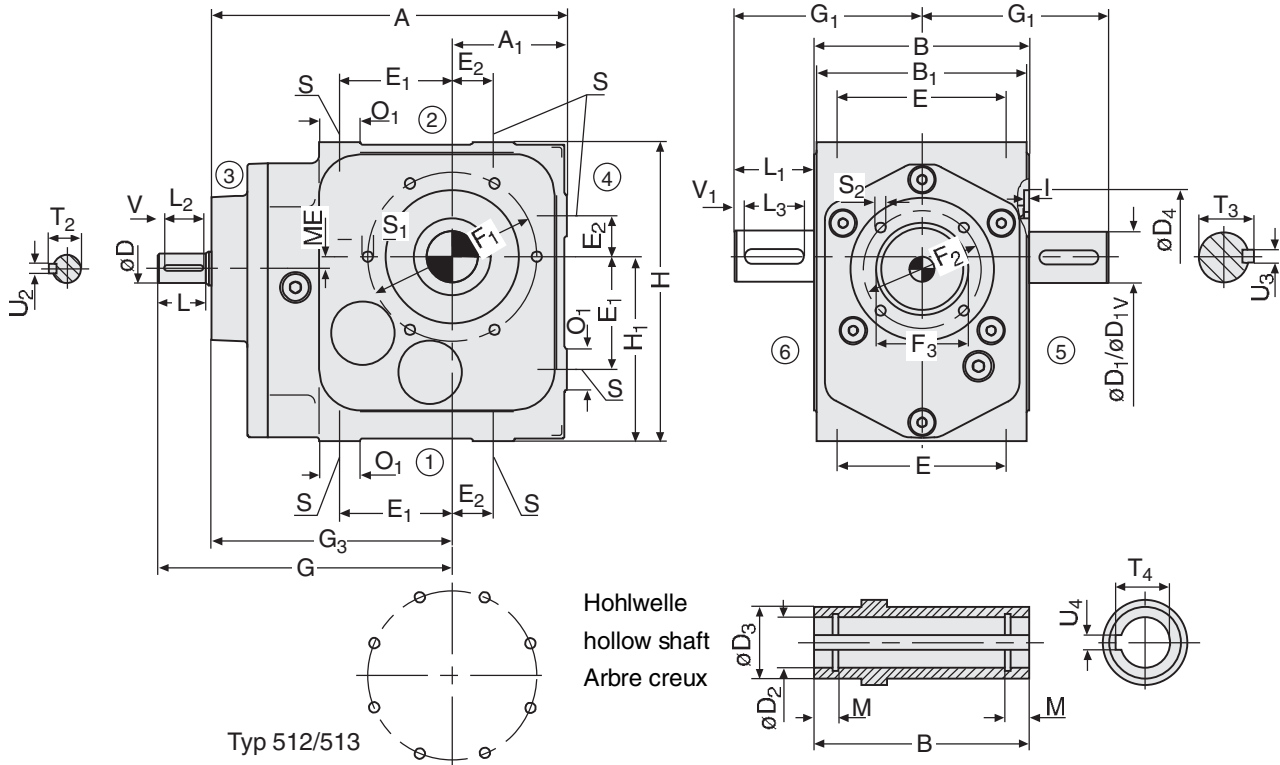
Basic design

Exécution de base

Type E 312 / 313 B

Type E 512 / 513 B

2



| Type | ME | A | B | D ^{k6} | L | D ₂ ^{H7} | E | E ₂ | F ₁ |
|--------------------|------------------------------|----------------|----------------|-----------------|------|------------------------------|----------------|------------------------------|----------------|
| | | A ₁ | B ₁ | D ₁ | | D ₃ | | | F ₂ |
| E 312 B E 313 B | 11,6 | 347 | 210 | 24 | 50 | 50 | 165 | 40 | 165 |
| | | 112 | 205 | 50 m6 | 100 | 75 | 110 | | 115 |
| E 512 B E 513 B | 14,8 | 500 | 300 | 38 | 80 | 70 | 240 | 75 | 250 |
| | | 160 | 297 | 70 m6 | 140 | 100 | 165 | | 150 |
| Type | F ₃ ^{H7} | G ₁ | H ₁ | L ₂ | M | S | T ₂ | U ₂ ^{h9} | V |
| | G | G ₃ | I | L ₃ | | S ₁ | T ₃ | U ₃ ^{h9} | |
| E 312 B E 313 B | 90 | 205 | 180 | 40 | 10,2 | M16x26 | 27 | 8 | 5 |
| | 286,5 | 235 | 5 | 80 | 40 | 6x M12x20 | 53,5 | 14 | 10 |
| E 512 B E 513 B | 120 | 290 | 265 | 70 | 12,7 | M24x38 | 41 | 10 | 5 |
| | 421,5 | 340 | 6 | 125 | 60 | 8x M20x32 | 74,5 | 20 | 7,5 |
| | | 425 | | | | M16x28 | 74,9 | 20 | |

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Basic design

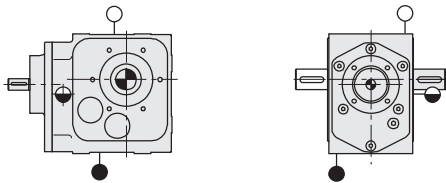
Exécution de base

Type E 312 / 313 B

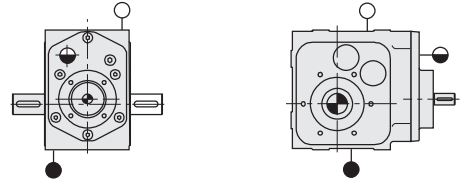
Type E 512 / 513 B

2

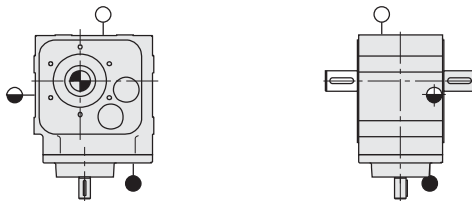
B - 1



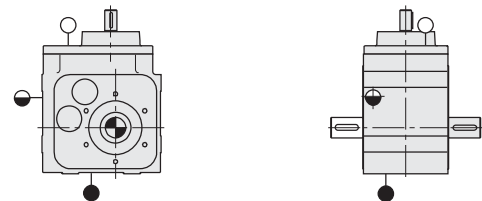
B - 2



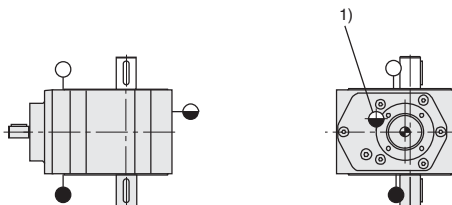
B - 3



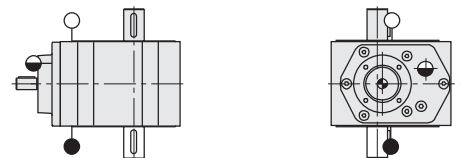
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

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Fußausführung

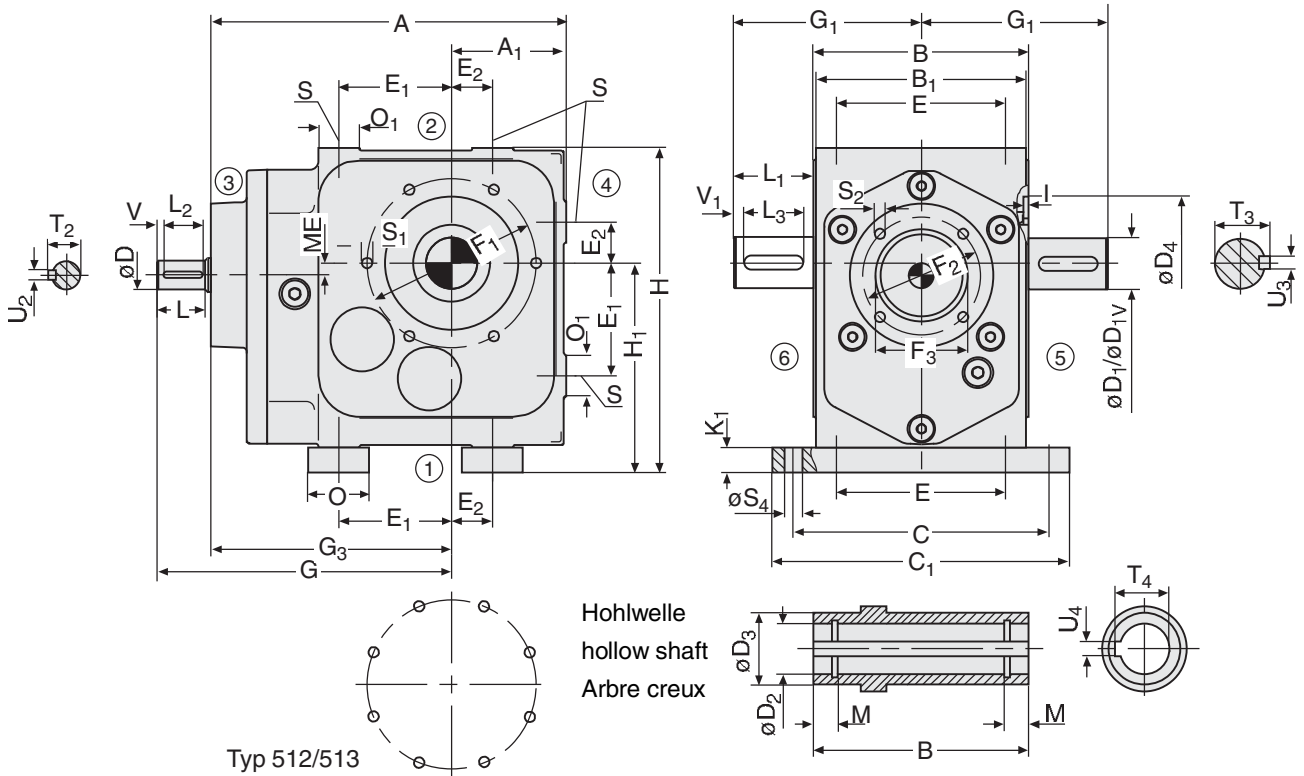
Foot mounted

Exécution à pied

Type E 312 / 313 G

Type E 512 / 513 G

2



| Type | ME | A | B | C | D ^{k6} D ₁ D _{1V} | L L ₁ | D ₂ ^{H7} D _{3 D₄^{H7}} | E E ₁ | E ₂ | F ₁ F ₂ | F ₃ ^{H7} G |
|--------------------|------|----------------|----------------|----------------|--|---------------------|---|---------------------|----------------|----------------------------------|-----------------------------------|
| | | A ₁ | B ₁ | C ₁ | | | | | | | |
| E 312 G E 313 G | 11,6 | 347 | 210 | 250 | 24 | 50 | 50 | 165 | 40 | 165 | 90 |
| | | 112 | 205 | 290 | 50 m6 60 m6 | 100 | 75 130 | 110 | | 115 | 286,5 |
| E 512 G E 513 G | 14,8 | 500 | 300 | 365 | 38 | 80 | 70 | 240 | 75 | 250 | 120 |
| | | 160 | 297 | 440 | 70 m6 80 m6 | 140 | 100 215 | 165 | | 150 | 421,5 |

| Type | G ₁ G ₃ H | H ₁ I | K ₁ L ₂ L ₃ | M O O ₁ | S S ₁ | S ₂ S ₄ | T ₂ T ₃ T ₄ | U ₂ ^{h9} U ₃ ^{h9} U ₄ ^{JS9} | V V ₁ |
|--------------------|---------------------------------------|---------------------|--|--------------------------|---------------------|----------------------------------|--|---|---------------------|
| | E 312 G E 313 G | 205 | 205 | 25 | 10,2 | M16x26 | M12x23 | 27 | 8 |
| 235 | | 5 | 40 | 60 | 6x M12x20 | 18 | 53,5 | 14 | 10 |
| 317 | | | 80 | 40 | | | 53,8 | 14 | |
| E 512 G E 513 G | 290 | 305 | 40 | 12,7 | M24x38 | M16x28 | 41 | 10 | 5 |
| | 340 | 6 | 70 | 100 | 8x M20x32 | 26 | 74,5 | 20 | 7,5 |
| | 465 | | 125 | 60 | | | 74,9 | 20 | |

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Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Fußausführung

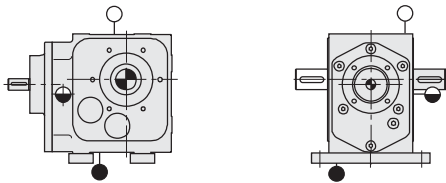
Foot mounted

Exécution à pied

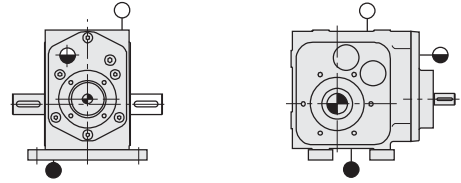
Type E 312 / 313 G

Type E 512 / 513 G

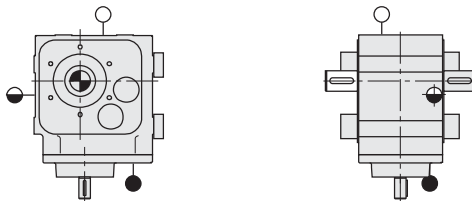
B - 1



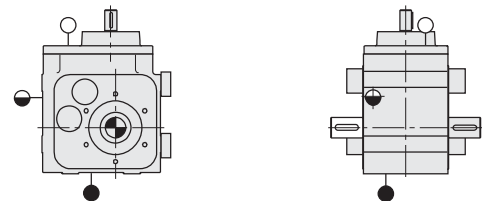
B - 2



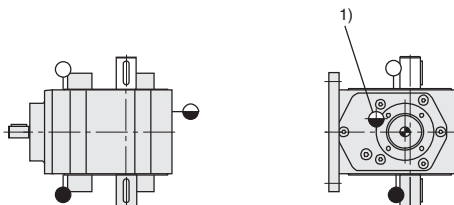
B - 3



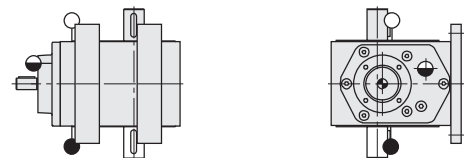
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Flanschausführung

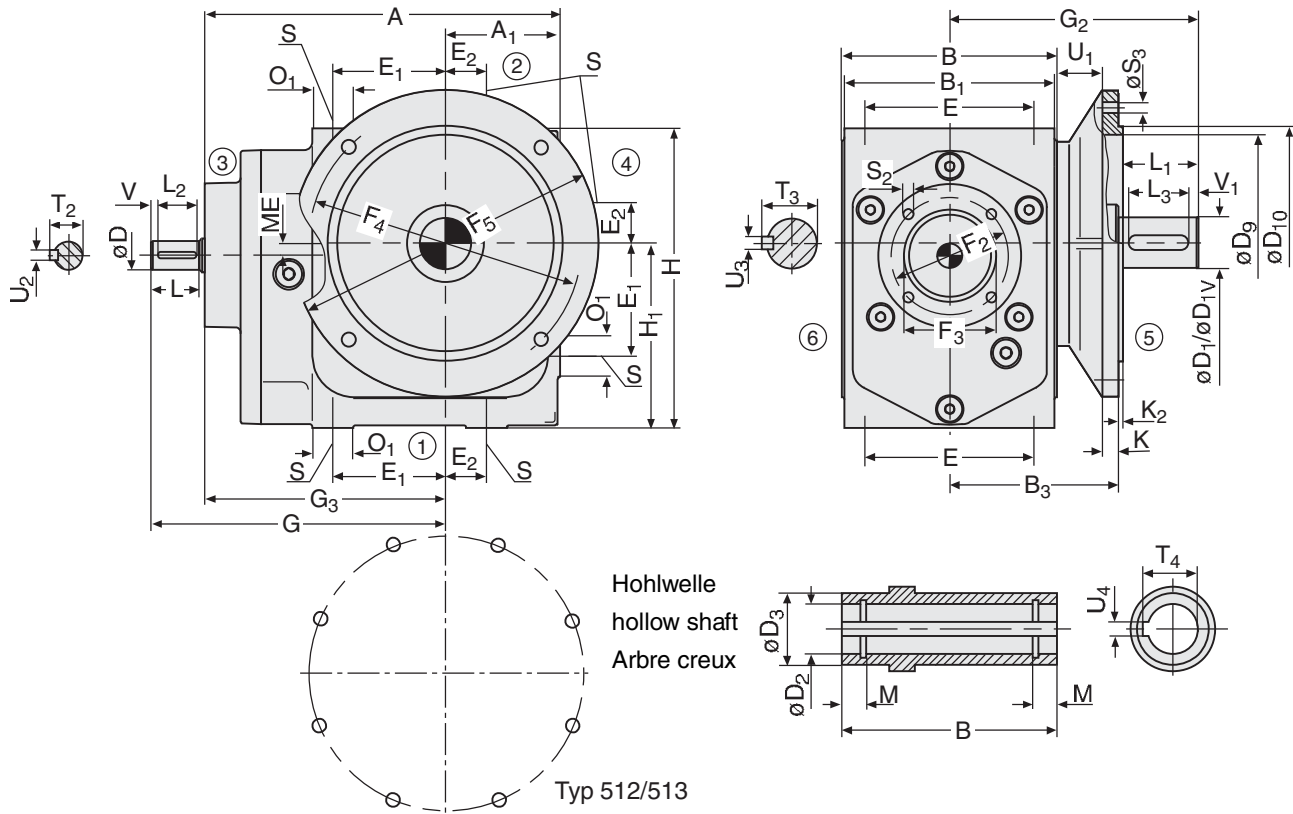
Flange mounted

Exécution à flasque-bride

Type E 312 / 313 F

Type E 512 / 513 F

2



| Type | ME | A | B | D ^{k6} | L | D ₂ ^{H7} | D ₉ | E | F ₂ |
|---------|------|----------------|----------------|-----------------|-----|------------------------------|----------------|-----|----------------|
| | | A ₁ | B ₁ | D ₁ | | D ₃ | | | |
| E 312 F | 11,6 | 347 | 210 | 24 | 50 | 50 | 216 | 165 | 115 |
| E 313 F | | 112 | 205 | 50 m6 | | | | | |
| E 512 F | 14,8 | 500 | 300 | 38 | 80 | 70 | 336 | 240 | 150 |
| E 513 F | | 160 | 297 | 70 m6 | | | | | |
| | | | 235 | 80 m6 | 140 | 100 | 350 | 75 | 400 |

| Type | F ₅ | G ₂ | H | K | L ₃ | S | T ₂ | U ₁ | U ₄ ^{JS9} |
|---------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------------------|-------------------------------|
| | G | G ₃ | H ₁ | K ₂ | M | S ₂ | T ₃ | U ₂ ^{h9} | V |
| E 312 F | 300 | 265 | 292 | 16 | 80 | M16x26 | 27 | 44 | 14 |
| E 313 F | 286,5 | 235 | 180 | 4 | 10,2 | M12x23 | 53,5 | 8 | 5 |
| E 512 F | 450 | 375 | 425 | 40 | 40 | 4 x 14 | 53,8 | 14 | 10 |
| E 513 F | 421,5 | 340 | 265 | 22 | 125 | M24x38 | 41 | 63 | 20 |
| | | | | 5 | 12,7 | M16x28 | 74,5 | 10 | 5 |
| | | | | 70 | 60 | 8 x 18 | 74,9 | 20 | 7,5 |

Bitte Hinweise zu den Maßblättern in der Katalogeinführung beachten.

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Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Flanschausführung

Flange mounted

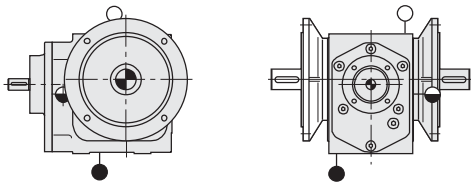
Exécution à flasque-bride

Type E 312 / 313 F

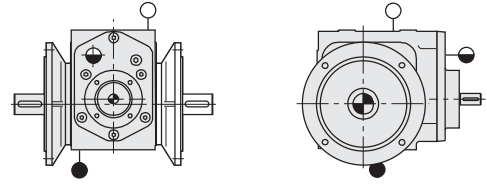
Type E 512 / 513 F

2

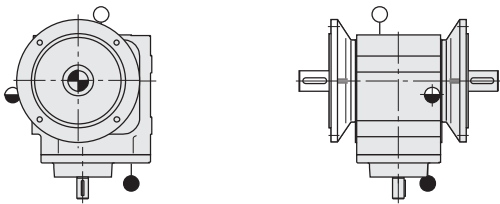
B - 1



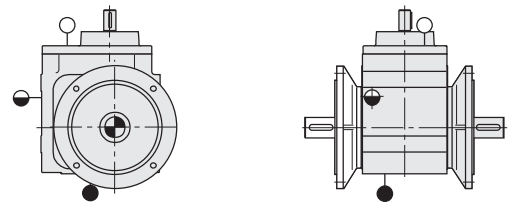
B - 2



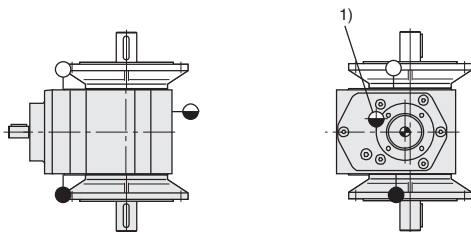
B - 3



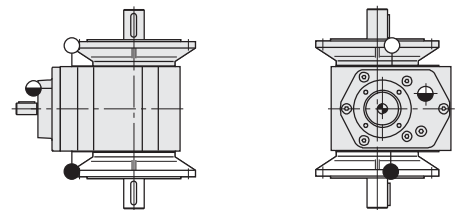
B - 4



B - 5



B - 6



1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie

Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Aufsteckausführung

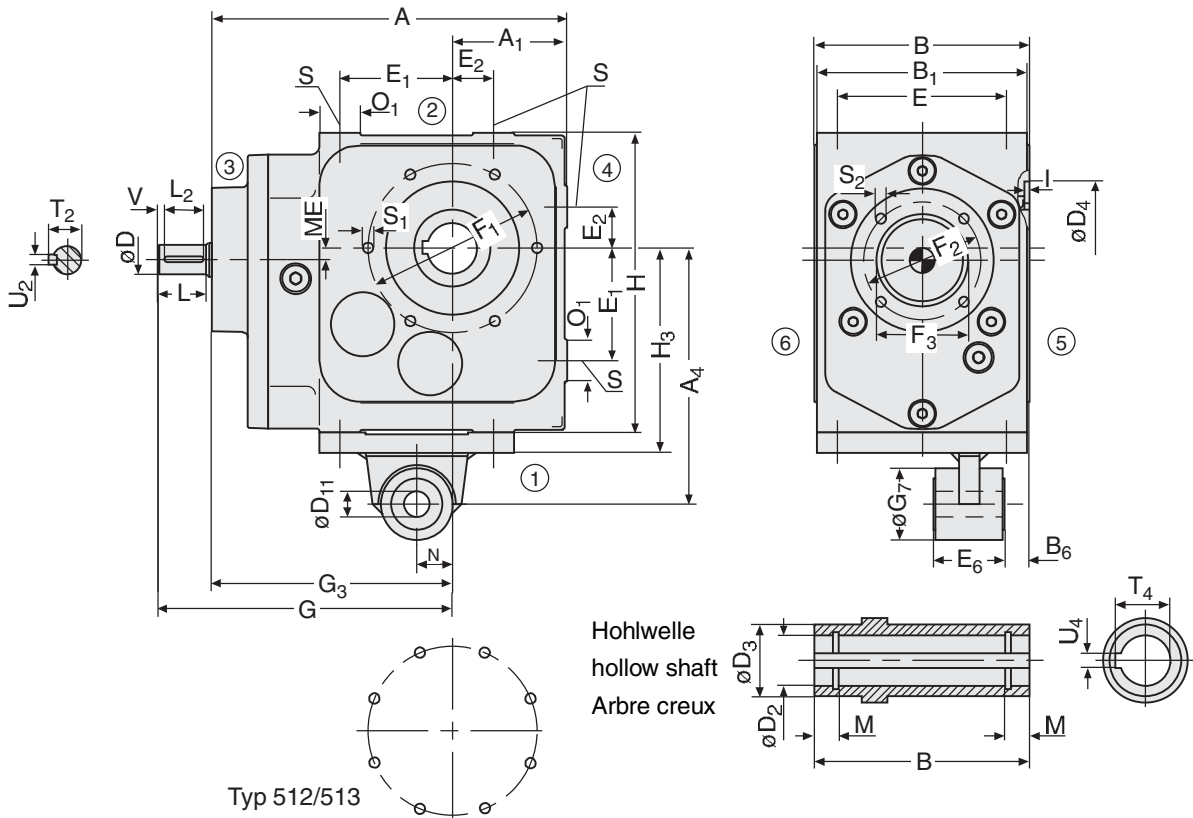
Shaft mounted

Exécution à arbre creux

Type E 312 / 313 A

Type E 512 / 513 A

2



| Type | ME | A | A ₄ | B ₁ | D _{k6} | L | D ₂ ^{H7} | D ₄ ^{H7} | E | E ₂ | F ₁ |
|--------------------|------|----------------|----------------|----------------|-----------------|----|------------------------------|-------------------------------|----------------|----------------|----------------|
| | | A ₁ | B | B ₆ | | | D ₃ | D ₁₁ ^{H9} | E ₁ | E ₆ | |
| E 312 A E 313 A | 11,6 | 347 | 250 | 205 | 24 | 50 | 50 | 130 | 165 | 40 | 165 |
| | | 112 | 210 | 25 | | | 75 | 25 | 110 | 67,5 | |
| E 512 A E 513 A | 14,8 | 500 | 400 | 297 | 38 | 80 | 70 | 215 | 240 | 75 | 250 |
| | | 160 | 300 | 40 | | | 100 | 30 | 165 | 94 | |

| Type | F ₂ | G | G ₇ | H ₃ | L ₂ | N | S | T ₂ | U ₂ ^{h9} | V |
|--------------------|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------------------------|----------------|-------------------------------|---|
| | F ₃ ^{H7} | G ₃ | H | I | M | O ₁ | S ₁ S ₂ | T ₄ | U ₄ ^{JS9} | |
| E 312 A E 313 A | 115 | 286,5 | 70 | 200 | 40 | 35 | M16x26 6x M12x20 | 27 | 8 | 5 |
| | 90 | 235 | 292 | 5 | 10,2 | 40 | M12x23 | 53,8 | 14 | |
| E 512 A E 513 A | 150 | 421,5 | 80 | 293 | 70 | 45 | M24x38 8x M20x32 | 41 | 10 | 5 |
| | 120 | 340 | 425 | 6 | 12,7 | 60 | M16x28 | 74,9 | 20 | |

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Schnecken-
Stirradgetriebe

Worm
Helical Gear Units

Réducteurs à vis
sans fin et engrenages

Aufsteckausführung

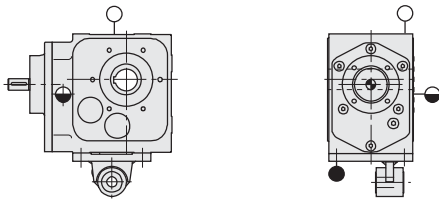
Shaft mounted

Exécution à arbre creux

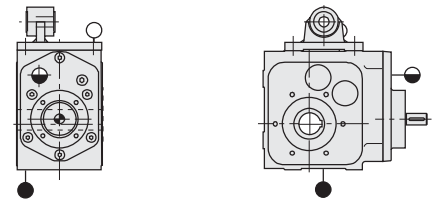
Type E 312 / 313 A

Type E 512 / 513 A

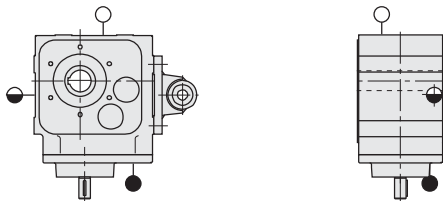
B - 1



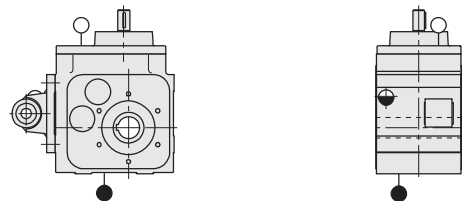
B - 2



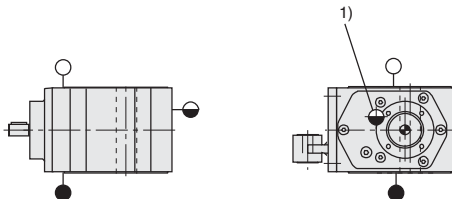
B - 3



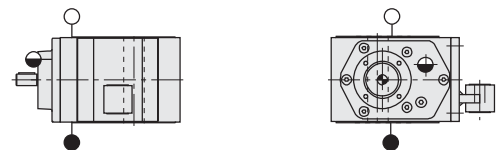
B - 4



B - 5



B - 6



SCHN_STG_Auf_E312A-1.fm

1) gegenüber der Abtriebsseite

1) opposite to output side

1) opposé au côté sortie