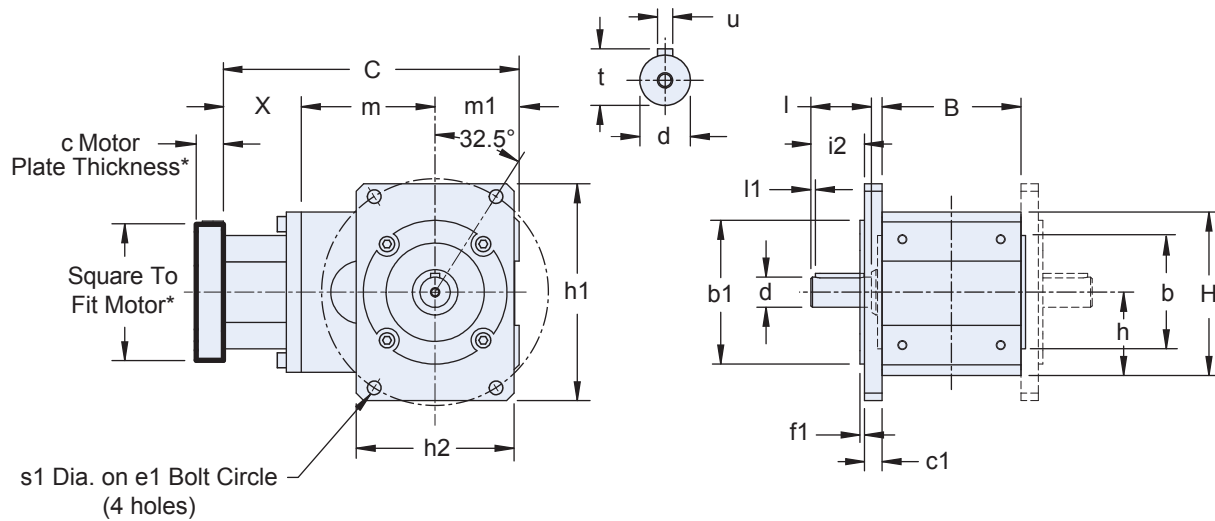


K/KL Series: RIGHT ANGLE — Versatile Outputs

KL Series with “P” or “G” Solid Shaft Output Option

“F” Output Flange Housing Option



* See Motor Mounting Plate Option, page 136 for details.
 ** See Output Shaft Options, page xx for details.

Table 1 KL Series Unit Dimensions (mm) – “F” Round Flange Housing Option

| Unit | B | b1 | b | C | c1 | e1 | f1 | H | h | h1 | h2 | i2 | l | l1 | m | m1 | s1 | X |
|------|----|----|-----------------|-----|------|-----|----|-----|----|-------|-------|------|----|----|------|----|----|------|
| KL1 | 75 | 60 | 60 ₆ | 160 | 11.5 | 130 | 3 | 90 | 46 | 128.5 | 88.5 | 26.5 | 32 | 3 | 67.5 | 46 | 9 | 46.5 |
| KL2 | 92 | 95 | 75 ₆ | 195 | 11.5 | 150 | 3 | 108 | 55 | 143.5 | 104.5 | 35.5 | 40 | 3 | 88.5 | 55 | 9 | 51.5 |

Table 2 Standard “P” Solid Shaft

| Unit | Shaft – inches | | | Metric Shaft – mm | | | Stainless Shaft | | Wt.* lbs. |
|------|-----------------|------------------------|-------|-------------------|-------------|----|-----------------|----|--------------|
| | d _{k6} | u – Key | t | d _{k6} | u – Key | t | Inches | mm | |
| KL1 | 5/8 | 3/16 x 3/16 x 1 | 0.709 | 16 | M5 x 5 x 22 | 18 | 5/8 | 16 | 14 |
| KL2 | 0.750 | 3/16 x 3/16 x 1-1/4 | 0.832 | 20 | M6 x 6 x 32 | 23 | 0.750 | 20 | 21 |

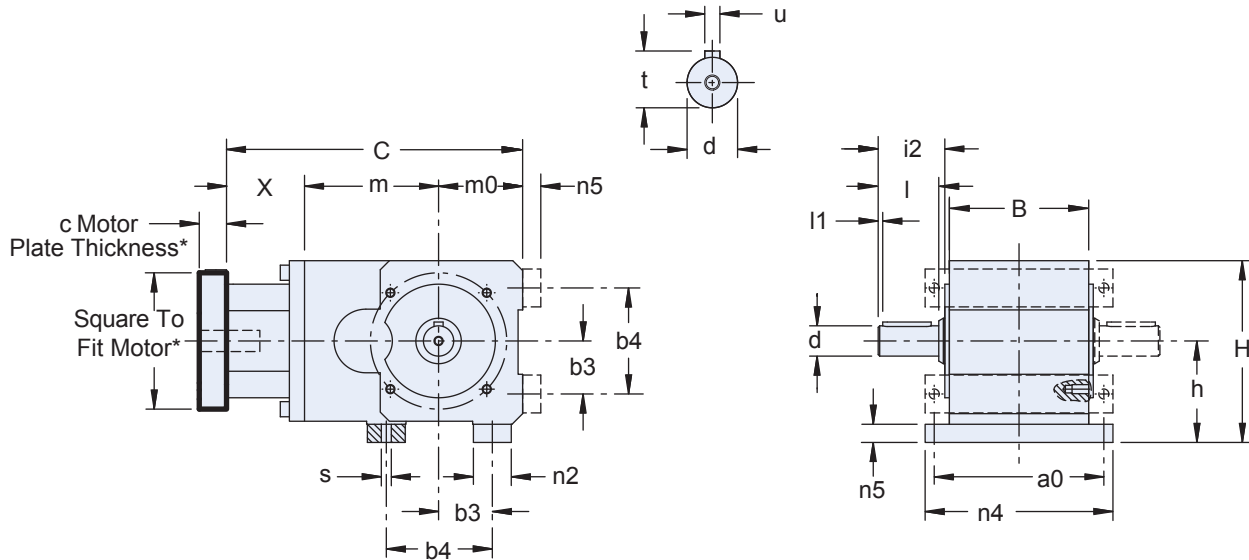
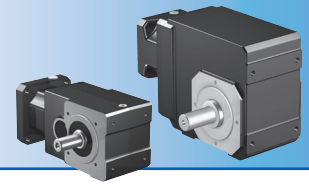
*Weight is approximate.

k6 = existing values

Dimensional Data

KL Series with "P" or "G" Solid Shaft Output Option

"NG" Foot Mounting Housing Option



* See Motor Mounting Plate Option, page 136 for details.
 ** See Output Shaft Options, page xx for details.

Table 1 KL Series Unit Dimensions (mm) – "NG" Foot Mounting Housing Option

| Unit | a0 | B | b3 | b4 | C | H | h | l | l1 | l2 | m | m0 | n2 | n4 | n5 | s | X |
|------|-----|----|------|----|-----|-----|----|----|----|----|------|----|----|-----|----|-----|------|
| KL1 | 95 | 75 | 27.5 | 55 | 160 | 102 | 58 | 32 | 35 | 3 | 67.5 | 46 | 20 | 107 | 12 | 6.6 | 46.5 |
| KL2 | 112 | 92 | 35 | 70 | 195 | 120 | 67 | 40 | 44 | 3 | 88.5 | 55 | 25 | 124 | 12 | 6.6 | 51.5 |

Table 2 Standard "P" Solid Shaft

| Unit | Shaft – inches | | | Metric Shaft – mm | | | Stainless Shaft | | Wt.* lbs. |
|------|-----------------|------------------------|-------|-------------------|-------------|----|-----------------|----|--------------|
| | d _{k6} | u – Key | t | d _{k6} | u – Key | t | Inches | mm | |
| KL1 | 5/8 | – | – | – | M5 x 5 x 22 | 18 | 5/8 | – | 14 |
| KL2 | 0.750 | 3/16 x 3/16 x 1-1/4 | 0.832 | 20 | M6 x 6 x 32 | 23 | 0.750 | 20 | 21 |

*Weight is approximate.

k6 = existing values

K/KL Series: RIGHT ANGLE — Versatile Outputs

K/KL Series: RIGHT ANGLE — Versatile Outputs

KL Series with “A” Hollow Output

“F” Output Flange Housing

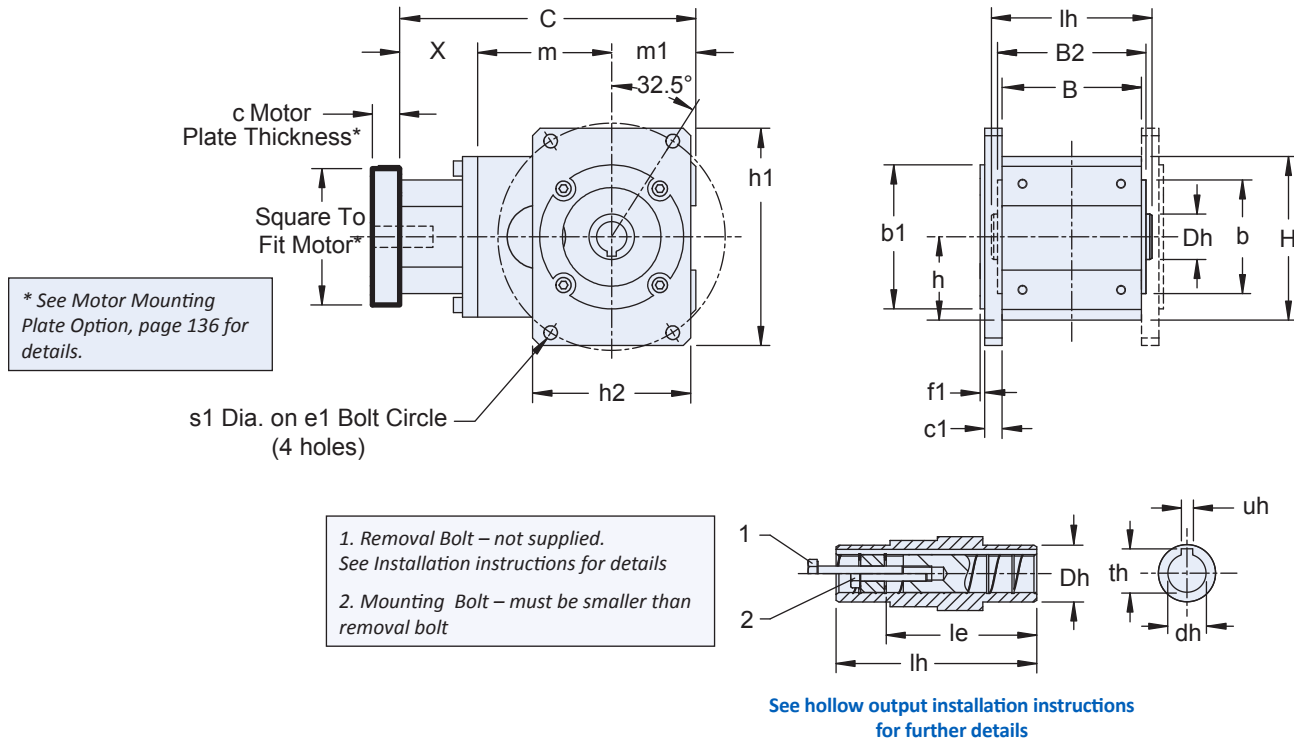


Table 1 KL Series Unit Dimensions (mm) – “F” Round Flange Housing

| Unit | B | B2 | b1 | b | C | c1 | Dh | e1 | f1 | H | h | h1 | h2 | le | lh | m | m1 | s1 | X |
|------|----|----|----|------------------|-----|------|----|-----|----|-----|----|-------|-------|------|-----|------|----|----|------|
| KL1 | 75 | 81 | 60 | 60 _{j6} | 160 | 11.5 | 25 | 130 | 3 | 90 | 46 | 128.5 | 88.5 | 60.5 | 87 | 67.5 | 46 | 9 | 46.5 |
| KL2 | 92 | 98 | 95 | 75 _{j6} | 195 | 11.5 | 30 | 150 | 3 | 108 | 55 | 143.5 | 104.5 | 79.5 | 106 | 88.5 | 55 | 9 | 51.5 |

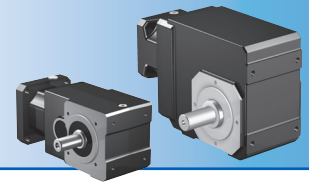
Table 2 Standard “A” Hollow Bore

| Unit | Bore - inches | | | Metric Bore - mm | | | Stainless Bore | | Wt.* lbs. |
|------|------------------|-------|-------|------------------|-------------------|------|----------------|----|-----------|
| | dh _{G7} | uh | th | dh _{H7} | uh _{JS9} | th | Inches | mm | |
| KL1 | 0.625 | 0.188 | 0.713 | 16 | 5 | 18.3 | 0.625 | 16 | 14 |
| KL2 | 0.750 | 0.188 | 0.832 | 20 | 6 | 22.8 | 0.750 | 20 | 21 |

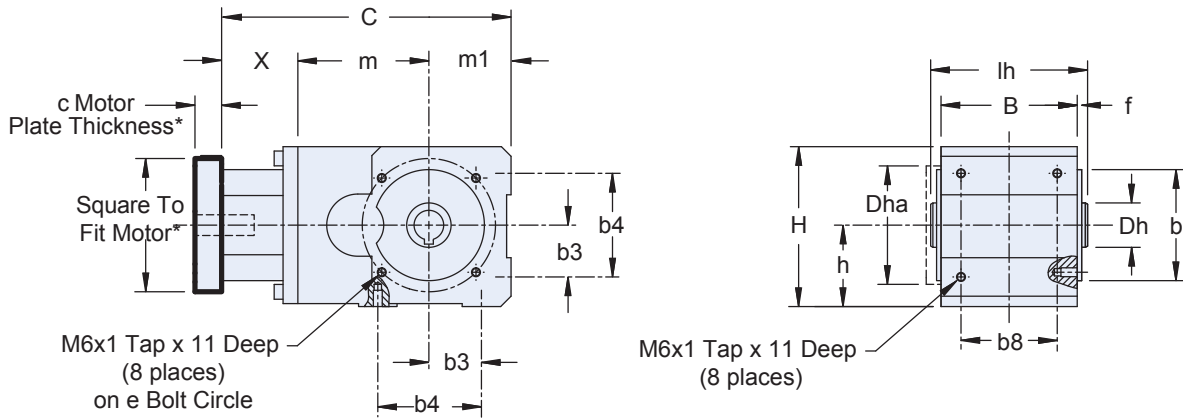
*Weight is approximate.

G7, H7, JS9 = actual values

Dimensional Data

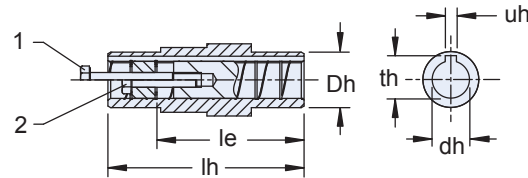


KL Series with "A" Hollow Output "G" Pitch Circle Diameter (PCD) Tapped Holes



* See Motor Mounting Plate Option, page 136 for details.

1. Removal Bolt – not supplied. See Installation instructions for details
2. Mounting Bolt – must be smaller than removal bolt



See hollow output installation instructions for further details

Table 1 KL Series Unit Dimensions (mm) – "G" Pitch Circle Diameter (PCD) Tapped Holes

| Unit | B | b | b3 | b4 | b8 | C | c6 | Dh | Dha | e | f | H | h | le | lh | m | m1 |
|------|----|------------------|------|----|----|-----|------|----|-----|----|---|-----|----|------|-----|------|----|
| KL1 | 75 | 60 _{j6} | 27.5 | 55 | 50 | 160 | 46.5 | 25 | 70 | 75 | 3 | 90 | 46 | 60.5 | 87 | 67.5 | 46 |
| KL2 | 92 | 75 _{j6} | 35 | 70 | 65 | 195 | 51.5 | 30 | 80 | 90 | 3 | 108 | 55 | 79.5 | 106 | 88.5 | 55 |

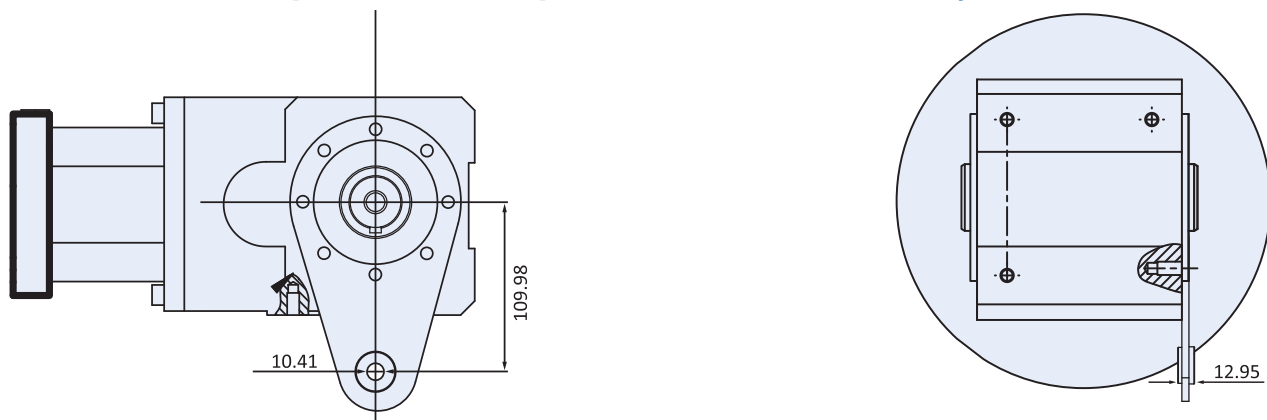
Table 2 Standard "A" Hollow Bore

| Unit | Bore - inches | | | Metric Bore - mm | | | Stainless Bore | | Wt.* lbs. |
|------|------------------|-------|-------|------------------|-------------------|------|----------------|----|-----------|
| | dh _{G7} | uh | th | dh _{H7} | uh _{JS9} | th | Inches | mm | |
| KL1 | 0.625 | 0.188 | 0.713 | 16 | 5 | 18.3 | 0.625 | 16 | 14 |
| KL2 | 0.750 | 0.188 | 0.832 | 20 | 6 | 22.8 | 0.750 | 20 | 21 |

*Weight is approximate.

G7, H7, JS9 = actual values

"A" Hollow Bore Output "GD" Torque Arm Bracket KL2 Only

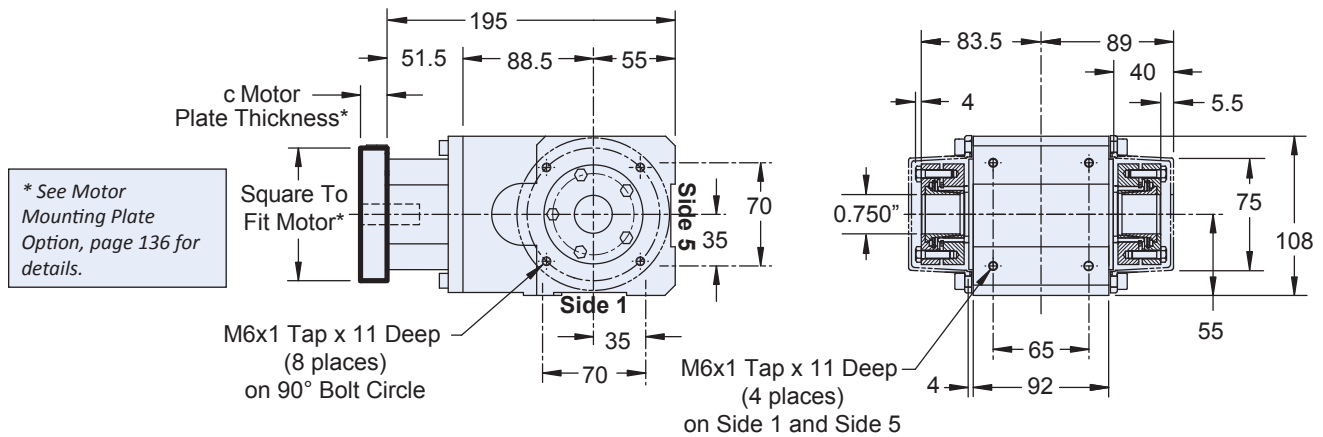


K/KL Series: RIGHT ANGLE — Versatile Outputs

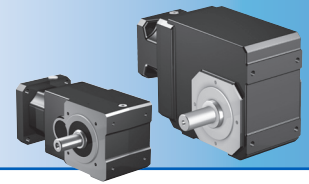
K/KL Series: RIGHT ANGLE — Versatile Outputs

KL Series (KL202 only) with “W” Wobble Free Bushing Output

“G” Pitch Circle Diameter (PCD) Tapped Holes

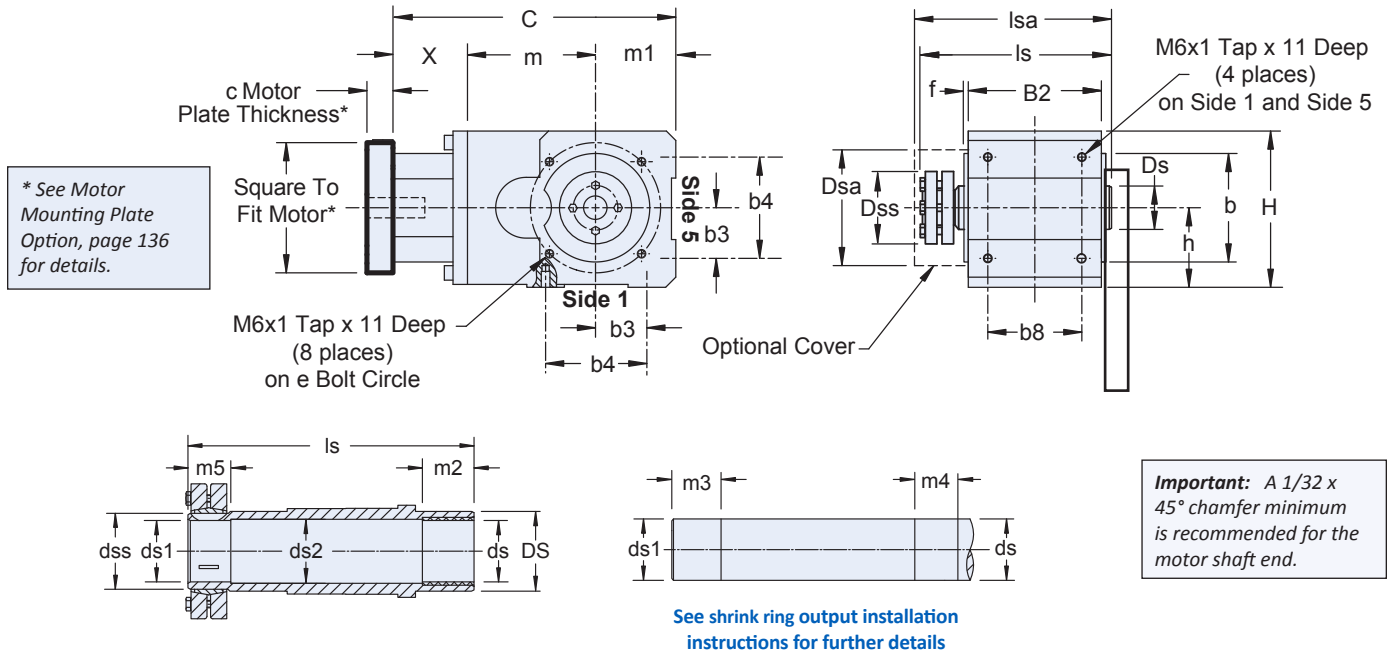


Important: A 1/32" x 45° chamfer minimum is recommended for the shaft end. The bushing will accept a shaft with a tolerance of +0.000/-0.005 inches.



Dimensional Data

KL Series with "S" Shrink Ring Output "G" Pitch Circle Diameter (PCD) Tapped Holes



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 KL Series Unit Dimensions (mm) – "S" Shrink Ring Output

| Unit | B2 | b | b3 | b4 | b8 | C | c6 | Dsa | Dss | e | f | H | h | lsa | m1 | m |
|------|----|------------------|------|----|----|-----|------|-----|------|----|---|-----|----|-------|----|------|
| KL1 | 75 | 60 _{j6} | 27.5 | 55 | 50 | 160 | 46.5 | 64 | 46.2 | 75 | 3 | 90 | 46 | 114.5 | 46 | 67.5 |
| KL2 | 92 | 75 _{j6} | 35 | 70 | 65 | 195 | 51.5 | 79 | 50.0 | 90 | 3 | 108 | 55 | 139 | 55 | 88.5 |

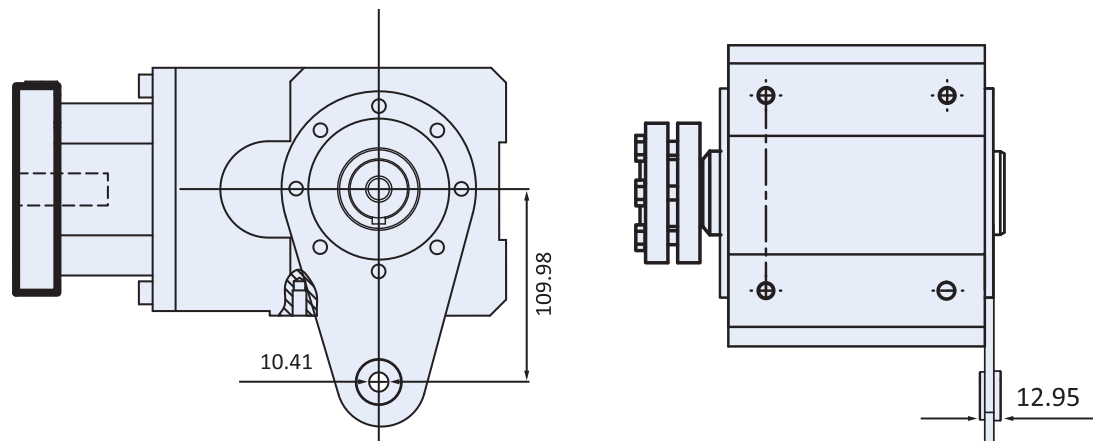
Table 2 Bore/Shaft Dimensions (mm)

| Unit | DS | Ds | ds _{H7} | ds1 | | ds2 | dss | ls | m2 | m3 | m4 | m5 | Wt.* lbs. |
|------|------|----|------------------|------------------|------------------|------|-----|-----|----|----|----|----|--------------|
| | | | | Bore | Shaft | | | | | | | | |
| KL1 | 46.2 | 25 | 16 | 16 _{H7} | 16 _{h6} | 17.5 | 20 | 109 | 17 | 22 | 28 | 23 | 14 |
| KL2 | 50 | 30 | 20 | 20 _{H7} | 20 _{h6} | 21.5 | 24 | 131 | 22 | 27 | 31 | 26 | 21 |

*Weight is approximate

h6 = existing value; H7 = actual values

"A" Hollow Bore Output "GD" Torque Arm Bracket KL2 Only



K/KL Series: RIGHT ANGLE — Versatile Outputs

K Series with "V" Solid Shaft Output Option, "NG" Foot Mounting Housing & "G" Pitch Circle Diameter (PCD) Tapped Holes

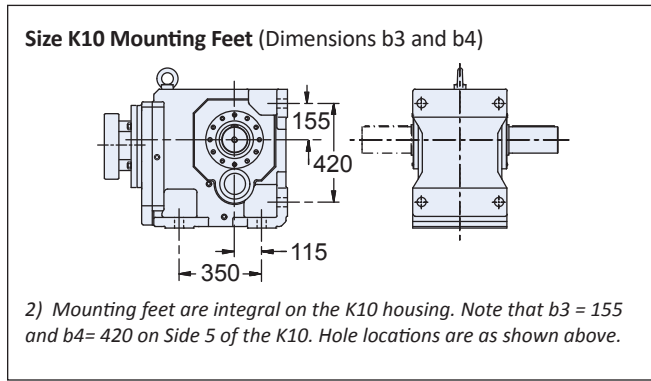
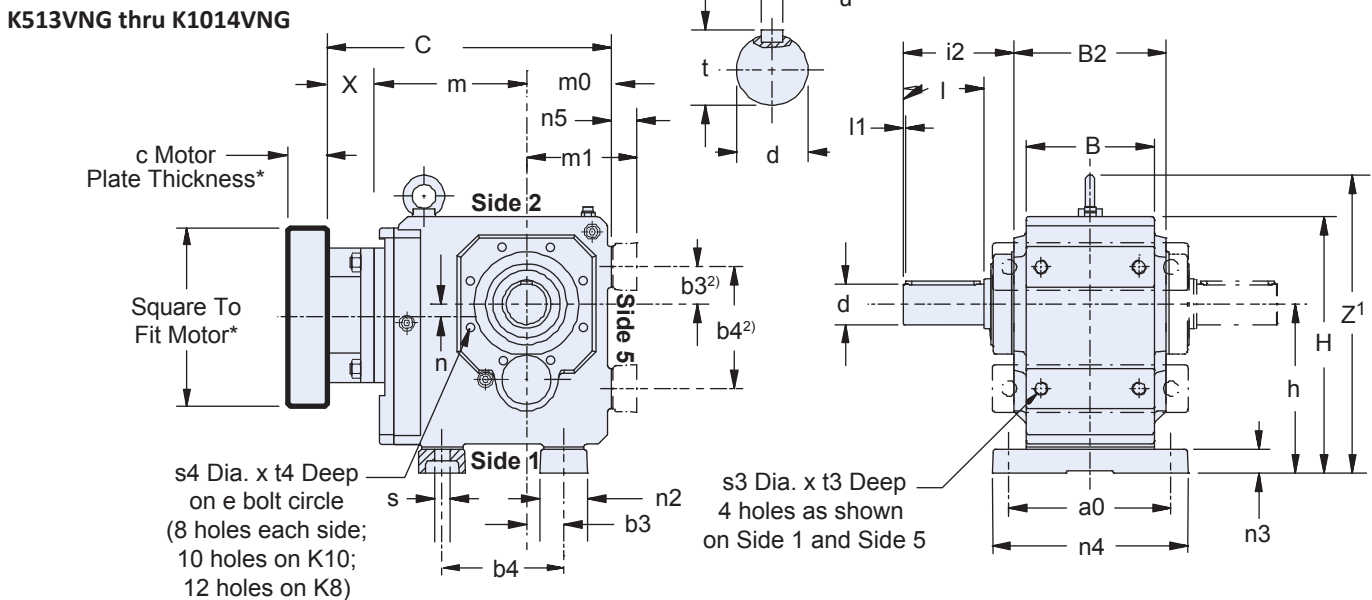
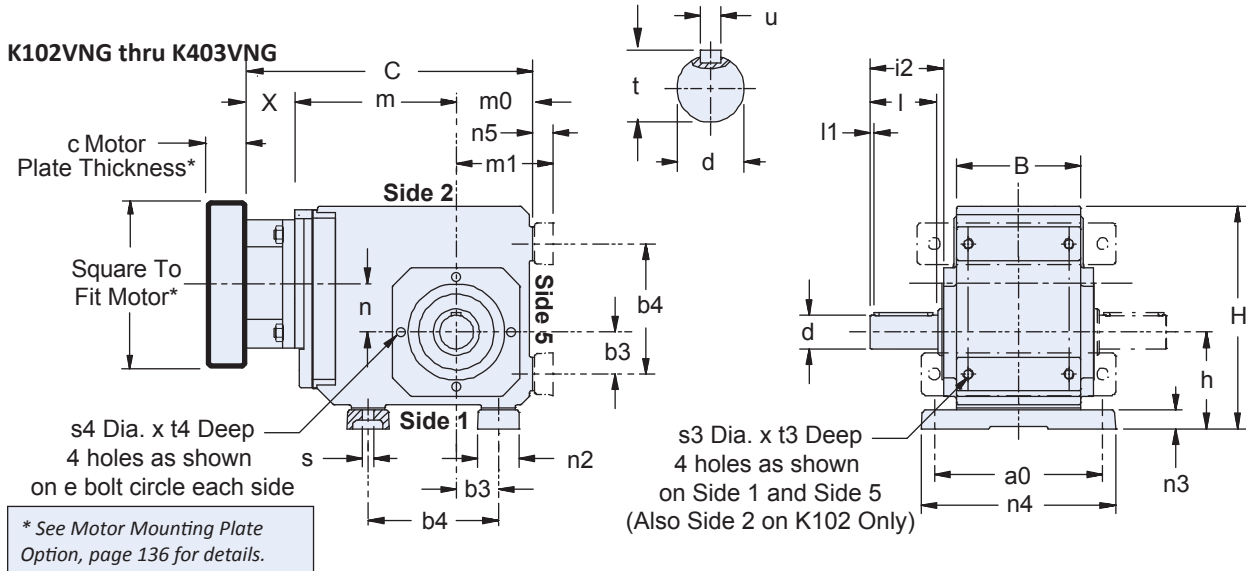
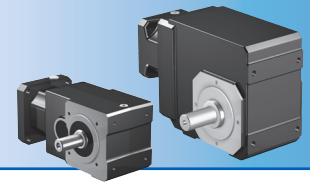


Table 4 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ⁴⁾ c Min. | Motor Shaft d2 Max. ³⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

3) If an adapter bushing is required it will be supplied as a component of the motor mounting plate.
4) Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 K Series Unit Dimensions (mm) — “NG” Foot Mounting Housing

| Unit | a0 | B | B2 | b3 | b4 | H | h | i2 | l | l1 | m0 | m1 | n2 | n3 | n4 | n5 | s | Z ¹ |
|------|-------------------|-----|-----|-------------------|-------------------|-----|-----|-------|-----|----|-----|-----|-----|----|-----|----|------|----------------|
| K1 | 115 | 90 | — | 30 | 90 ¹⁾ | 175 | 75 | 62 | 50 | 4 | 60 | 75 | 32 | 13 | 140 | 15 | 9 | — |
| K2 | 155 | 115 | — | 35 | 115 | 213 | 88 | 68 | 60 | 4 | 65 | 88 | 40 | 20 | 185 | 23 | 11 | — |
| K3 | 170 | 130 | — | 40 | 130 | 236 | 98 | 69 | 60 | 4 | 75 | 98 | 45 | 20 | 200 | 23 | 11 | — |
| K4 | 200 | 148 | — | 50 | 155 | 265 | 115 | 89.5 | 80 | 4 | 90 | 115 | 50 | 22 | 230 | 25 | 14 | — |
| K5 | 200 | 160 | 185 | 40 | 140 | 290 | 190 | 129.5 | 90 | 4 | 100 | 130 | 60 | 27 | 240 | 30 | 18 | 342 |
| K6 | 210 | 168 | 200 | 50 | 160 | 340 | 220 | 136 | 90 | 4 | 120 | 150 | 65 | 27 | 250 | 30 | 18.5 | 392 |
| K7 | 240 ²⁾ | 190 | 226 | 55 | 180 | 380 | 250 | 164 | 120 | 4 | 125 | 163 | 70 | 35 | 290 | 38 | 23 | 441 |
| K8 | 300 | 235 | 282 | 75 | 240 | 455 | 310 | 185 | 140 | 5 | 145 | 190 | 85 | 41 | 360 | 45 | 27 | 516 |
| K9 | 360 | 285 | 330 | 95 | 280 | 545 | 365 | 220 | 170 | 8 | 180 | 230 | 95 | 46 | 430 | 50 | 34 | 615 |
| K10 | 330 | 356 | 400 | 115 ³⁾ | 350 ³⁾ | 680 | 375 | 240 | 210 | 15 | 225 | 225 | 120 | 45 | 400 | 45 | 39 | 680 |

¹⁾ Mounting holes are also located on Side 1 of the K1 unit ONLY.

²⁾ For a0 with mounting on side 1 only; a0 when mounting on optional side 5 is 241 mm.

³⁾ Mounting feet are integral on the K10 housing as shown in drawing, facing page. Note b3 = 155 and b4 = 420 on Side 5 of the K10.

Table 2 K Series Unit Dimensions (mm) — “G” Pitch Circle Diameter (PCD) Tapped Holes

| Unit | e | s3 | s4 | t3 | t4 |
|------|-----|------------------|----------|----|----|
| K1 | 90 | M8x1.25 | M8x1.25 | 13 | 13 |
| K2 | 100 | M10x1.5 | M8x1.25 | 16 | 16 |
| K3 | 115 | M10x1.5 | M8x1.25 | 16 | 16 |
| K4 | 130 | M12x1.75 | M10x1.5 | 19 | 19 |
| K5 | 130 | M16x2 | M10x1.5 | 26 | 26 |
| K6 | 165 | M16x2 | M10x1.5 | 26 | 26 |
| K7 | 185 | M20x2.5 | M12x1.75 | 31 | 31 |
| K8 | 215 | M24x3 | M12x1.75 | 38 | 38 |
| K9 | 265 | M30x3.5 | M16x2 | 48 | 48 |
| K10 | 300 | 39 ¹⁾ | 10-M20 | 45 | 33 |

¹⁾ s3 on K10 are thru holes, not tapped.

Table 3 K Series Unit Dimensions (mm) — “V” Solid Shaft Output

Shaft outputs in stainless or carbon steel. See page 137 for available shaft output options.

| Unit | d _{n6} * | t | Inches | | Metric (mm) | | Stainless | |
|------|-------------------|------|----------------------|-------------------|-------------|------------|-----------|----|
| | | | u – Key | d* | t | u – Key | Inches | mm |
| K1 | 1.000 | 1.11 | 1/4 x 1/4 x 1-9/16 | 25 _{k6} | 28 | M8x7x40 | 1.000 | 25 |
| K2 | 1.250 | 1.36 | 1/4 x 1/4 x 1-15/16 | 30 _{k6} | 33 | M8x7x50 | 1.250 | 30 |
| K3 | 1.250 | 1.36 | 1/4 x 1/4 x 1-15/16 | 30 _{k6} | 33 | M8x7x50 | 1.250 | 40 |
| K4 | 1.375 | 1.51 | 5/16 x 5/16 x 2-5/16 | 40 _{k6} | 43 | M12x8x70 | 1.375 | — |
| K5 | 1.750 | 1.92 | 3/8 x 3/8 x 3-5/32 | 45 _{k6} | 48.5 | M14x9x80 | 1.750 | 45 |
| K6 | 1.750 | 1.92 | 3/8 x 3/8 x 3-5/32 | 50 _{k6} | 53.5 | M14x9x90 | 1.750 | — |
| K7 | 2.375 | 2.65 | 5/8 x 5/8 x 3-15/16 | 60 _{k6} | 64 | M18x11x110 | 2.375 | — |
| K8 | 2.875 | 3.21 | 3/4 x 3/4 x 4-5/16 | 70 _{m6} | 74.5 | M20x12x125 | 2.875 | 70 |
| K9 | 3.625 | 4.01 | 7/8 x 7/8 x 5-1/2 | 90 _{m6} | 95 | M25x14x140 | — | 90 |
| K10 | 4.375 | 4.82 | 1 x 1 x 7-1/8 | 110 _{m6} | 116 | M28x16x180 | — | — |

*h6, k6, m6 = existing value

Table 5 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|-------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |
| K913 | — | — | — | — | — | — | — | — | — | 562 | 294 | 25 | 568.5 | 307 | 25 | 508 |
| K914 | — | — | — | — | — | — | 593 | 353 | 25 | 633 | 365 | 25 | — | — | — | 530 |
| K1013 | — | — | — | — | — | — | — | — | — | — | — | — | 698.5 | 392 | 28 | 1055 |
| K1014 | — | — | — | — | — | — | — | — | — | 763 | 450 | 28 | 781.5 | 475 | 28 | 1079 |

For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

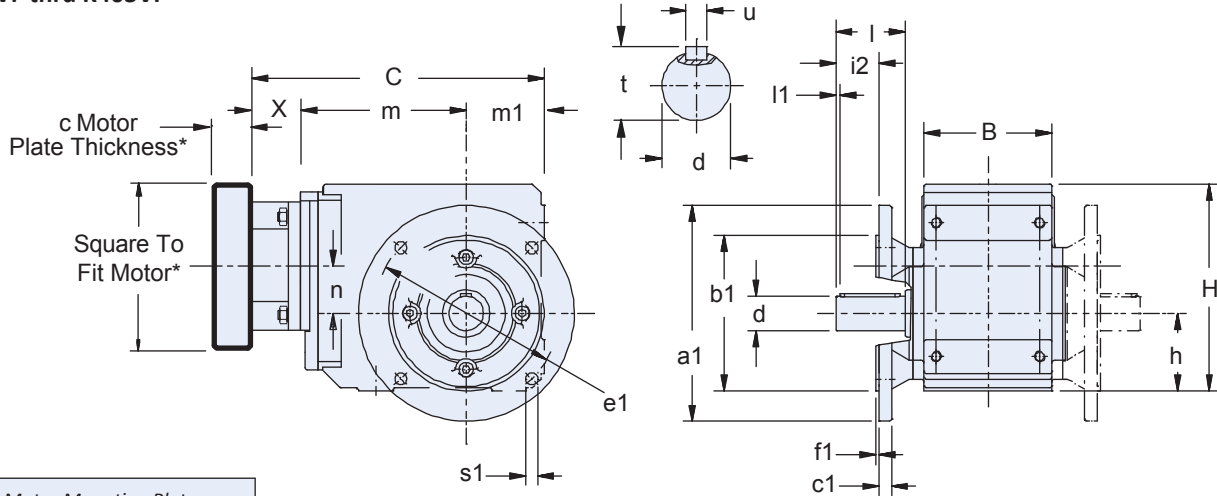
K/KL Series: RIGHT ANGLE — Versatile Outputs

K Series with "V" Solid Shaft Output

"F" Round Flange Housing

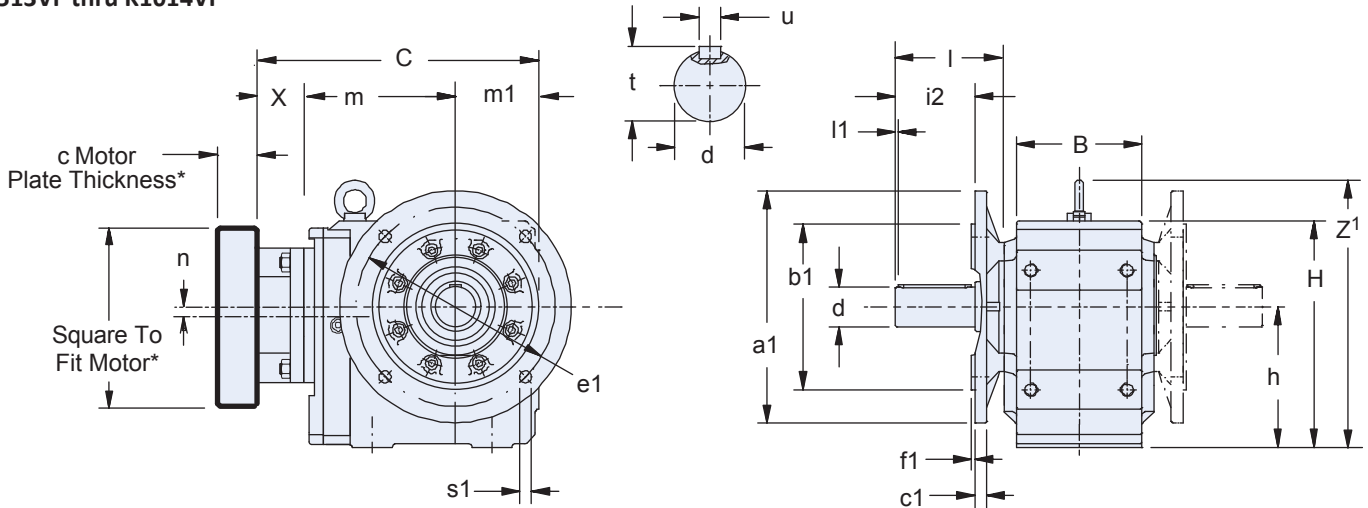
Other flange sizes available: for details see "Optional "F" Round Flange Housing Options for K Series" on page 183.

K102VF thru K403VF

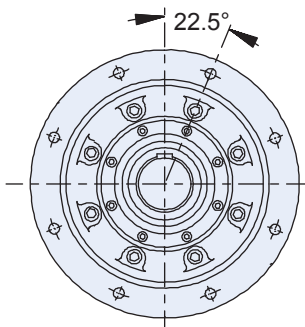


* See Motor Mounting Plate Option, page 136 for details.

K513VF thru K1014VF



Size K9 and K10 Flange



K913 thru K1014 has 8 mounting holes in the output flange located as shown.

Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ²⁾ c Min. | Motor Shaft d2 Max. ¹⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

1) If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

2) Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data

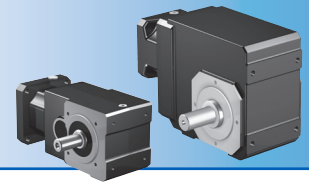


Table 1 K Series Unit Dimensions (mm) – “F” Round Flange Housing

| Unit | a1 | B | b1 | c1 | e1 | f1 | H | h | i2 | l | l1 | m1 | s1 | z ¹ |
|------|-----|-----|-------------------|----|-----|-----|-----|-----|-------|-----|----|-----|----|----------------|
| K1 | 160 | 90 | 110 _{j6} | 10 | 130 | 3.5 | 160 | 60 | 30.0 | 50 | 4 | 60 | 9 | — |
| K2 | 200 | 115 | 130 _{j6} | 12 | 165 | 3.5 | 190 | 65 | 36.0 | 60 | 4 | 65 | 11 | — |
| K3 | 200 | 130 | 130 _{j6} | 14 | 165 | 3.5 | 213 | 75 | 31.0 | 60 | 4 | 75 | 11 | — |
| K4 | 250 | 148 | 180 _{j6} | 15 | 215 | 4 | 240 | 90 | 49.5 | 80 | 4 | 90 | 14 | — |
| K5 | 250 | 160 | 180 _{j6} | 15 | 215 | 4 | 260 | 160 | 89.9 | 90 | 4 | 100 | 14 | 312 |
| K6 | 300 | 168 | 230 _{j6} | 17 | 265 | 4 | 310 | 190 | 100.0 | 90 | 4 | 120 | 14 | 362 |
| K7 | 350 | 190 | 250 _{h6} | 18 | 300 | 5 | 342 | 212 | 119.9 | 120 | 4 | 125 | 18 | 403 |
| K8 | 400 | 235 | 300 _{h6} | 20 | 350 | 5 | 410 | 265 | 140.0 | 140 | 5 | 145 | 18 | 471 |
| K9 | 450 | 285 | 350 _{h6} | 23 | 400 | 5 | 495 | 315 | 169.9 | 170 | 8 | 180 | 18 | 565 |
| K10 | 550 | 356 | 450 _{h6} | 25 | 500 | 5 | 591 | 375 | 210.0 | 210 | 15 | 225 | 18 | 680 |

Table 2 K Series Unit Dimensions (mm) – “V” Solid Shaft Output

Shaft outputs in stainless or carbon steel. See page 137 for available shaft output options.

| Unit | d _{h6} * | t | Inches | d* | t | u – Key | Metric (mm) | Inches | Stainless mm |
|------|-------------------|------|----------------------|-------------------|------|----------------|-------------|--------|-----------------|
| | | | u – Key | | | | | | |
| K1 | 1.000 | 1.11 | 1/4 x 1/4 x 1-9/16 | 25 _{k6} | 28 | M8 x 7 x 40 | 1.000 | 25 | |
| K2 | 1.250 | 1.36 | 1/4 x 1/4 x 1-15/16 | 30 _{k6} | 33 | M8 x 7 x 50 | 1.250 | 30 | |
| K3 | 1.250 | 1.36 | 1/4 x 1/4 x 1-15/16 | 30 _{k6} | 33 | M8 x 7 x 50 | 1.250 | 40 | |
| K4 | 1.375 | 1.51 | 5/16 x 5/16 x 2-5/16 | 40 _{k6} | 43 | M12 x 8 x 70 | 1.375 | — | |
| K5 | 1.750 | 1.92 | 3/8 x 3/8 x 3-5/32 | 45 _{k6} | 48.5 | M14 x 9 x 80 | 1.750 | 45 | |
| K6 | 1.750 | 1.92 | 3/8 x 3/8 x 3-5/32 | 50 _{k6} | 53.5 | M14 x 9 x 90 | 1.750 | — | |
| K7 | 2.375 | 2.65 | 5/8 x 5/8 x 3-15/16 | 60 _{k6} | 64 | M18 x 11 x 110 | 2.375 | — | |
| K8 | 2.875 | 3.21 | 3/4 x 3/4 x 4-5/16 | 70 _{m6} | 74.5 | M20 x 12 x 125 | 2.875 | 70 | |
| K9 | 3.625 | 4.01 | 7/8 x 7/8 x 5-1/2 | 90 _{m6} | 95 | M25 x 14 x 140 | — | 90 | |
| K10 | 4.375 | 4.82 | 1 x 1 x 7-1/8 | 110 _{m6} | 116 | M28 x 16 x 180 | — | — | |

*h6, j6, k6, m6 = existing value

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|-------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |
| K913 | — | — | — | — | — | — | — | — | — | 562 | 294 | 25 | 568.5 | 307 | 25 | 508 |
| K914 | — | — | — | — | — | — | 593 | 353 | 25 | 633 | 365 | 25 | — | — | — | 530 |
| K1013 | — | — | — | — | — | — | — | — | — | — | — | — | 698.5 | 392 | 28 | 1055 |
| K1014 | — | — | — | — | — | — | — | — | — | 763 | 450 | 28 | 781.5 | 475 | 28 | 1079 |

For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

K/KL Series: RIGHT ANGLE — Versatile Outputs

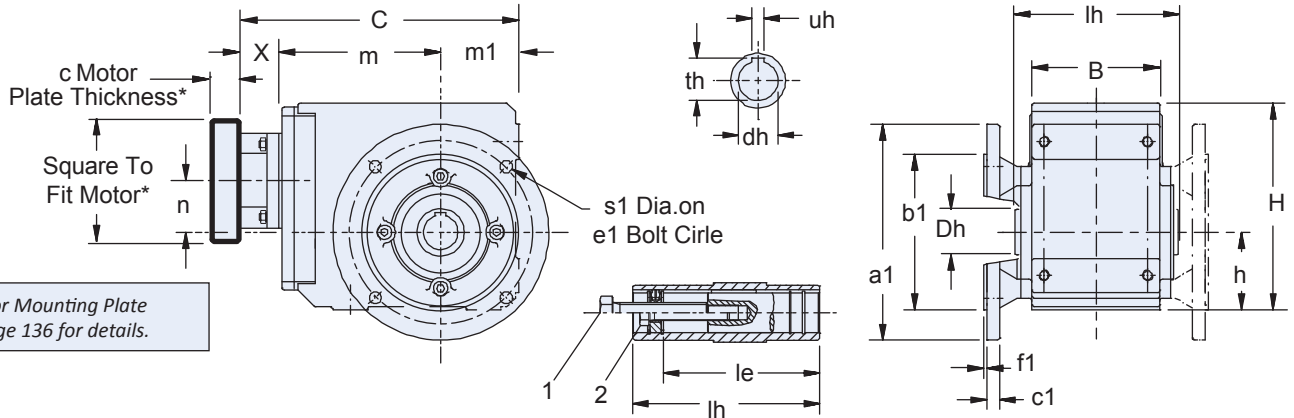
K/KL Series: RIGHT ANGLE – Versatile Outputs

K Series with "A" Hollow Output

"F" Round Flange Housing

Other flange sizes available: for details see "Optional "F" Round Flange Housing Options for K Series" on page 183.

K102AF thru K403AF

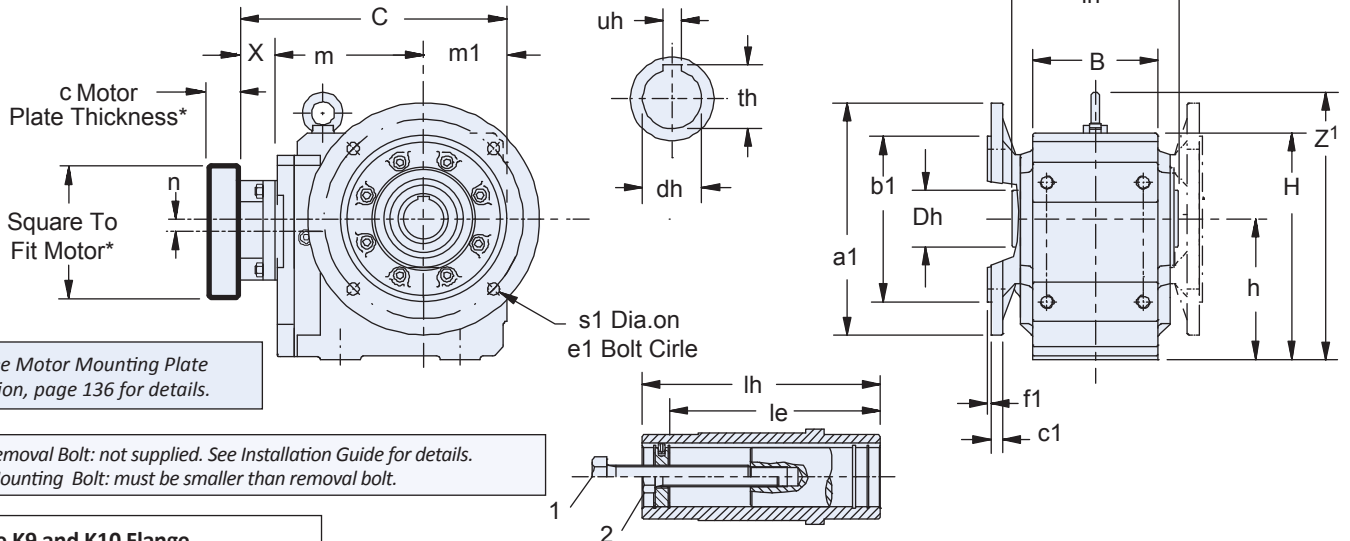


* See Motor Mounting Plate Option, page 136 for details.

1. Removal Bolt: not supplied. See Installation Guide for details.
2. Mounting Bolt: must be smaller than removal bolt.

See hollow output installation instructions for further details

K513AF thru K1014AF



* See Motor Mounting Plate Option, page 136 for details.

1. Removal Bolt: not supplied. See Installation Guide for details.
2. Mounting Bolt: must be smaller than removal bolt.

See hollow output installation instructions for further details

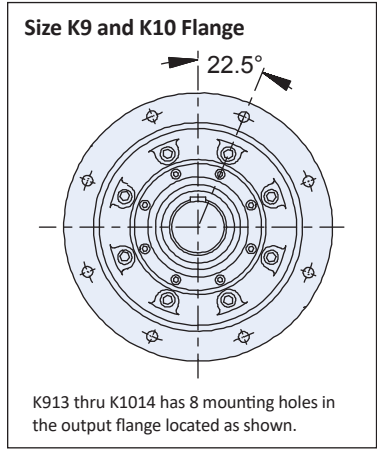


Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ²⁾ c Min. | Motor Shaft d2 Max. ¹⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

1) If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

2) Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data

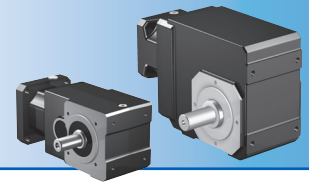


Table 1 K Series Unit Dimensions (mm) – “F” Round Flange Housing

| Unit | a1 | B | b1* | c1 | Dh | e1 | f1 | H | h | le | lh | m1 | s1 | Z ₁ |
|------|-----|-----|-------------------|----|-----|-----|-----|-----|-----|-------|-----|-----|----|----------------|
| K1 | 160 | 90 | 110 _{j6} | 10 | 40 | 130 | 3.5 | 160 | 60 | 98 | 120 | 60 | 9 | — |
| K2 | 200 | 115 | 130 _{j6} | 12 | 45 | 165 | 3.5 | 190 | 65 | 121.5 | 148 | 65 | 11 | — |
| K3 | 200 | 130 | 130 _{j6} | 14 | 50 | 165 | 3.5 | 213 | 75 | 125 | 160 | 75 | 11 | — |
| K4 | 250 | 148 | 180 _{j6} | 15 | 55 | 215 | 4 | 240 | 90 | 157 | 188 | 90 | 14 | — |
| K5 | 250 | 160 | 180 _{j6} | 15 | 65 | 215 | 4 | 260 | 160 | 164 | 200 | 100 | 14 | 312 |
| K6 | 300 | 168 | 230 _{j6} | 17 | 70 | 265 | 4 | 310 | 190 | 179 | 215 | 120 | 14 | 362 |
| K7 | 350 | 190 | 250 _{h6} | 18 | 85 | 300 | 5 | 342 | 212 | 214 | 242 | 125 | 18 | 403 |
| K8 | 400 | 235 | 300 _{h6} | 20 | 100 | 350 | 5 | 410 | 265 | 263 | 300 | 145 | 18 | 471 |
| K9 | 450 | 285 | 350 _{h6} | 23 | 120 | 400 | 5 | 495 | 315 | 302 | 350 | 180 | 18 | 565 |
| K10 | 550 | 356 | 450 _{h6} | 25 | 130 | 500 | 5 | 591 | 375 | 361 | 410 | 225 | 18 | 680 |

Table 2 K Series Unit Dimensions (mm) — “A” Hollow Bore Output

Dimensions in **BOLD BLUE** (standard). Contact STÖBER for delivery on other sizes listed.

| Unit | Carbon Steel | | | | | | Stainless | |
|------|--------------------|------|-------|--------------------|------|---------------------|--|---------------|
| | Inches | | | Metric (mm) | | | Inches | mm |
| | dh _{G7} * | th | uh | dh _{H7} * | th | uh _{JS9} * | | |
| K1 | 1.000 | 1.11 | 0.250 | 25 | 28.3 | 8 | 1.000 | 25 |
| K2 | 1.1875 | 1.31 | 0.250 | 30 | 33.3 | 8 | 1.125, 1.1875, 1.250 | 30 |
| K3 | 1.375 | 1.52 | 0.312 | 35 | 38.3 | 10 | 1.25, 1.375 | 35 |
| K4 | 1.500 | 1.67 | 0.375 | 40 | 43.3 | 12 | 1.375, 1.500 | 40 |
| K5 | 2.000 | 2.13 | 0.500 | 50 | 53.8 | 14 | 1.4375, 1.9375, 2.000 | 40, 50 |
| K6 | 2.000 | 2.23 | 0.500 | 50 | 53.8 | 14 | 1.4375, 1.9375, 2.000 , 2.1875 | 40, 50, 60 |
| K7 | 2.375 | 2.66 | 0.625 | 60 | 64.4 | 18 | 1.9375, 2.00, 2.1875, 2.375 | 60 |
| K8 | 2.750 | 3.03 | 0.625 | 70 | 74.9 | 20 | 2.1875, 2.375, 2.5, 2.6875, 2.750 | 60, 70 |
| K9 | 3.250 | 3.59 | 0.750 | 90 | 95.4 | 25 | 2.6875, 2.9375, 3.000 , 3.25, 3.4375 | 90 |
| K10 | 4.000 | 4.25 | 1.000 | 100 | 108 | 28 | 3.4375, 4.00 | — |

* h6, j6 = existing values; G7, H7, JS9 = actual values

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|-------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |
| K913 | — | — | — | — | — | — | — | — | — | 562 | 294 | 25 | 568.5 | 307 | 25 | 508 |
| K914 | — | — | — | — | — | — | 593 | 353 | 25 | 633 | 365 | 25 | — | — | — | 530 |
| K1013 | — | — | — | — | — | — | — | — | — | — | — | — | 698.5 | 392 | 28 | 1055 |
| K1014 | — | — | — | — | — | — | — | — | — | 763 | 450 | 28 | 781.5 | 475 | 28 | 1079 |

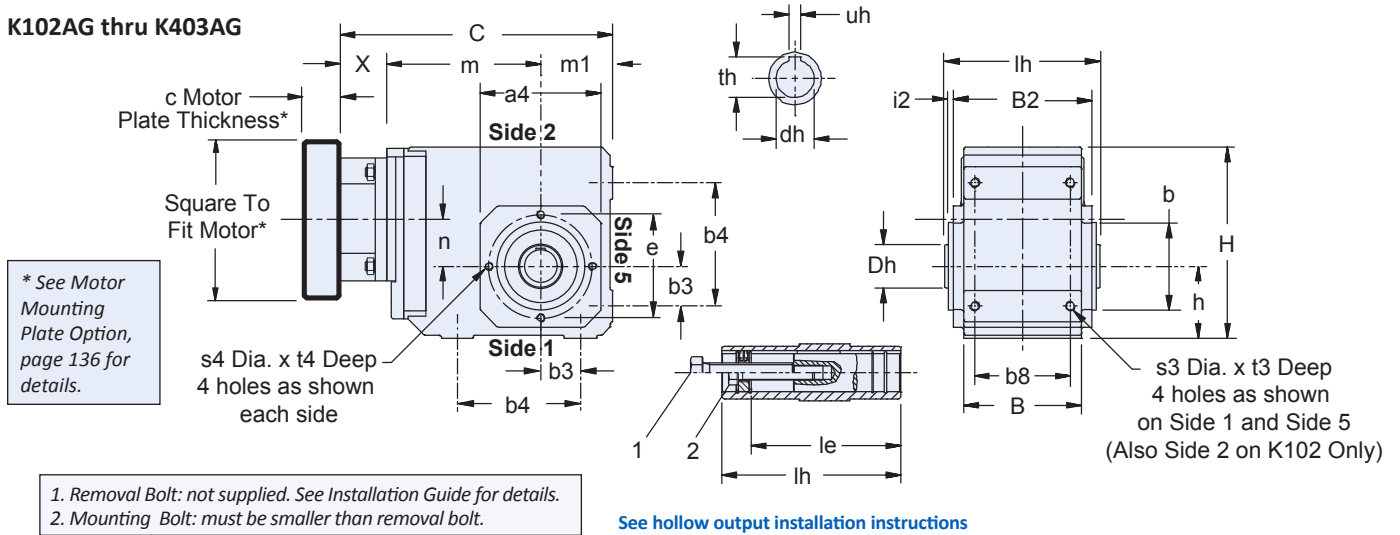
For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

K/KL Series: RIGHT ANGLE — Versatile Outputs

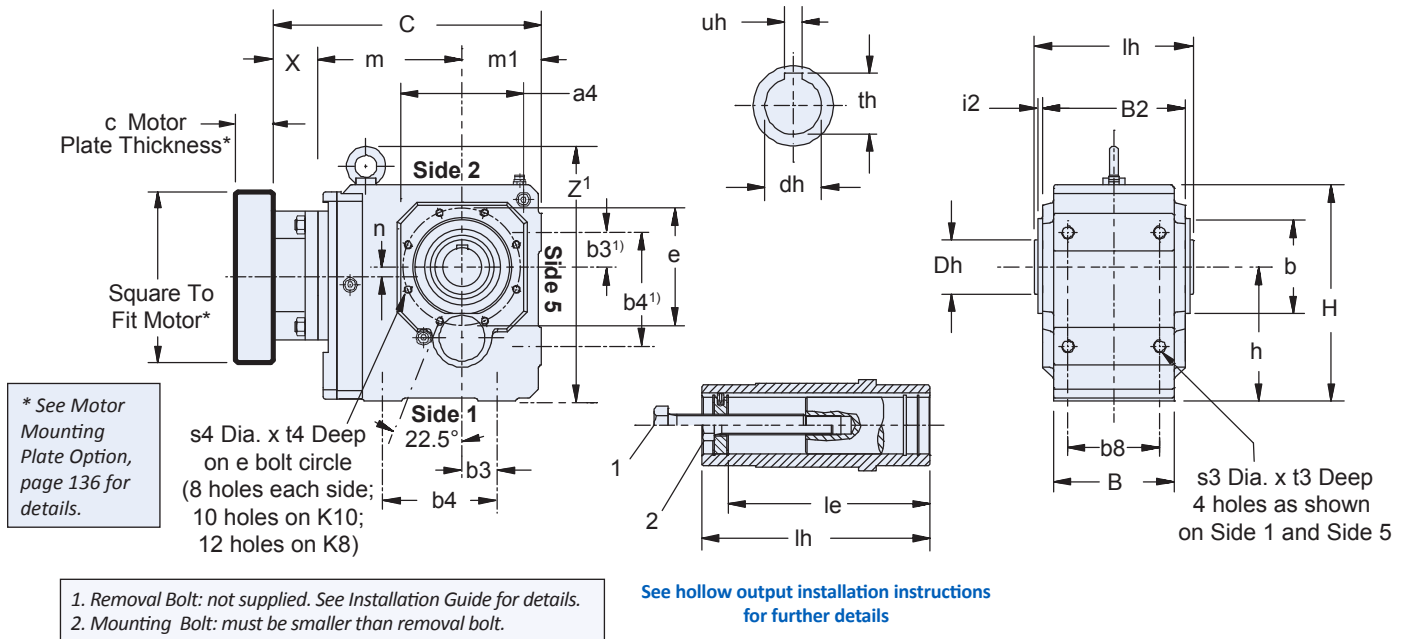
K Series with "A" Hollow Output

"G" Pitch Circle Diameter (PCD) Tapped Holes

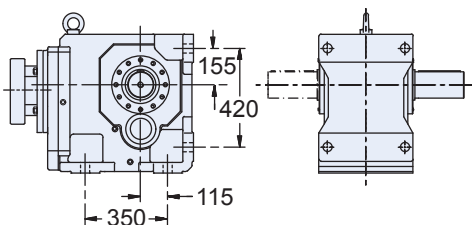
K102AG thru K403AG



K513AG thru K1014AG



Size K10 Mounting Feet (Dimensions b3 and b4)



1) Mounting feet are integral on the K10 housing. Note that b3 = 155 and b4 = 420 on Side 5 of the K10. Hole locations are as shown above.

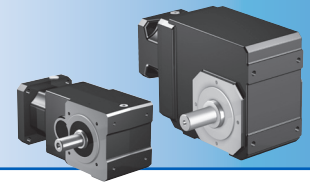
Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ³⁾ c Min. | Motor Shaft d2 Max. ²⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

²⁾ If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

³⁾ Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 K Series Unit Dimensions (mm) — “G” Pitch Circle Diameter (PCD) Tapped Holes

| Unit | a4 | B | B2 | b* | b3 | b4 | b8 | Dh | e | H | h | i2 | le | lh | m1 | s3 | s4 | t3 | t4 | Z ¹ |
|------|-----|-----|-----|-------------------|-------------------|-------------------|-----|-----|-----|-----|-----|-----|-------|-----|-----|------------------|----------|----|----|----------------|
| K1 | 105 | 90 | 106 | 75 _{j6} | 30 | 90 | 70 | 40 | 90 | 160 | 60 | 3 | 98 | 120 | 60 | M8x1.25 | M8x1.25 | 13 | 13 | — |
| K2 | 116 | 115 | 134 | 82 _{j6} | 35 | 115 | 90 | 45 | 100 | 190 | 65 | 3 | 121.5 | 148 | 65 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K3 | 132 | 130 | 146 | 95 _{j6} | 40 | 130 | 105 | 50 | 115 | 213 | 75 | 3 | 125 | 160 | 75 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K4 | 152 | 148 | 173 | 110 _{j6} | 50 | 155 | 120 | 55 | 130 | 240 | 90 | 3.5 | 157 | 188 | 90 | M12x1.75 | M10x1.5 | 19 | 19 | — |
| K5 | 145 | 160 | 185 | 110 _{j6} | 40 | 140 | 125 | 65 | 130 | 260 | 160 | 3.5 | 164 | 200 | 100 | M16x2 | M10x1.5 | 26 | 26 | 312 |
| K6 | 180 | 168 | 200 | 140 _{j6} | 50 | 160 | 130 | 70 | 165 | 310 | 190 | 3.5 | 179 | 215 | 120 | M16x2 | M10x1.5 | 26 | 26 | 362 |
| K7 | 195 | 190 | 226 | 155 _{j6} | 55 | 180 | 145 | 85 | 185 | 342 | 212 | 3.5 | 214 | 242 | 125 | M20x2.5 | M12x1.75 | 31 | 31 | 403 |
| K8 | 226 | 235 | 282 | 185 _{j6} | 75 | 240 | 185 | 100 | 215 | 410 | 265 | 4 | 263 | 300 | 145 | M24x3 | M12x1.75 | 38 | 38 | 471 |
| K9 | 280 | 285 | 330 | 230 _{j6} | 95 | 280 | 225 | 120 | 265 | 495 | 315 | 5 | 302 | 350 | 180 | M30x3.5 | M16x2 | 48 | 48 | 565 |
| K10 | 340 | 356 | 400 | 250 _{h6} | 115 ¹⁾ | 350 ¹⁾ | 330 | 130 | 300 | 591 | 375 | 5 | 361 | 410 | 225 | 39 ²⁾ | 10-M20 | 45 | 33 | 680 |

¹⁾ Mounting feet are integral on the K10 housing as shown in drawing, facing page. Note b3 = 155 and b4 = 420 on Side 5 of the K10.

²⁾ s3 on K10 are thru holes, not tapped.

Table 2 K Series Unit Dimensions (mm) — “A” Hollow Bore Output

Dimensions in **BOLD BLUE** (standard). Contact STÖBER for delivery on other sizes listed.

| Unit | Carbon Steel | | | | | | Stainless | |
|------|--------------------|------|-------|--------------------|------|---------------------|--|---------------|
| | Inches | | | Metric (mm) | | | Inches | mm |
| | dh _{G7} * | th | uh | dh _{H7} * | th | uh _{JS9} * | | |
| K1 | 1.000 | 1.11 | 0.250 | 25 | 28.3 | 8 | 1.000 | 25 |
| K2 | 1.1875 | 1.31 | 0.250 | 30 | 33.3 | 8 | 1.125, 1.1875, 1.250 | 30 |
| K3 | 1.375 | 1.52 | 0.312 | 35 | 38.3 | 10 | 1.25, 1.375 | 35 |
| K4 | 1.500 | 1.67 | 0.375 | 40 | 43.3 | 12 | 1.375, 1.500 | 40 |
| K5 | 2.000 | 2.13 | 0.500 | 50 | 53.8 | 14 | 1.4375, 1.9375, 2.000 | 40, 50 |
| K6 | 2.000 | 2.23 | 0.500 | 50 | 53.8 | 14 | 1.4375, 1.9375, 2.000 , 2.1875 | 40, 50, 60 |
| K7 | 2.375 | 2.66 | 0.625 | 60 | 64.4 | 18 | 1.9375, 2.00, 2.1875, 2.375 | 60 |
| K8 | 2.750 | 3.03 | 0.625 | 70 | 74.9 | 20 | 2.1875, 2.375, 2.5, 2.6875, 2.750 | 60, 70 |
| K9 | 3.250 | 3.59 | 0.750 | 90 | 95.4 | 25 | 2.6875, 2.9375 , 3.000 , 3.25, 3.4375 | 90 |
| K10 | 4.000 | 4.25 | 1.000 | 100 | 108 | 28 | 3.4375, 4.00 | — |

* h6, j6 = existing values; G7, H7, JS9 = actual values

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|-------|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|-------|-----|----------|
| | n | C | m | n | C | m | n | C | m | n | C | m | n | C | m | |
| K102 | 36 | 224 | 124 | 36 | 238 | 128 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 46 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | — | — | — | — | — | — | 40 |
| K203 | 46 | 285 | 180 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 52.5 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | — | — | — | — | — | — | 67 |
| K303 | 52.5 | 315 | 200 | 16 | 335 | 210 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 60 | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | — | — | — | 93 |
| K403 | 60 | 350 | 220 | 23 | 370 | 230 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 15 | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | — | — | — | 106 |
| K514 | — | — | — | 15 | 365 | 215 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 18 | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 170 |
| K614 | — | — | — | 18 | 404 | 234 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 20 | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 221 |
| K714 | — | — | — | 20 | 438 | 263 | 20 | 468 | 283 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 24 | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 309 |
| K814 | — | — | — | — | — | — | 24 | 513 | 308 | 5 | 553 | 320 | — | — | — | 331 |
| K913 | — | — | — | — | — | — | — | — | — | 25 | 562 | 294 | 25 | 568.5 | 307 | 508 |
| K914 | — | — | — | — | — | — | 25 | 593 | 353 | 25 | 633 | 365 | — | — | — | 530 |
| K1013 | — | — | — | — | — | — | — | — | — | — | — | — | 28 | 698.5 | 392 | 1055 |
| K1014 | — | — | — | — | — | — | — | — | — | 28 | 763 | 450 | 28 | 781.5 | 475 | 1079 |

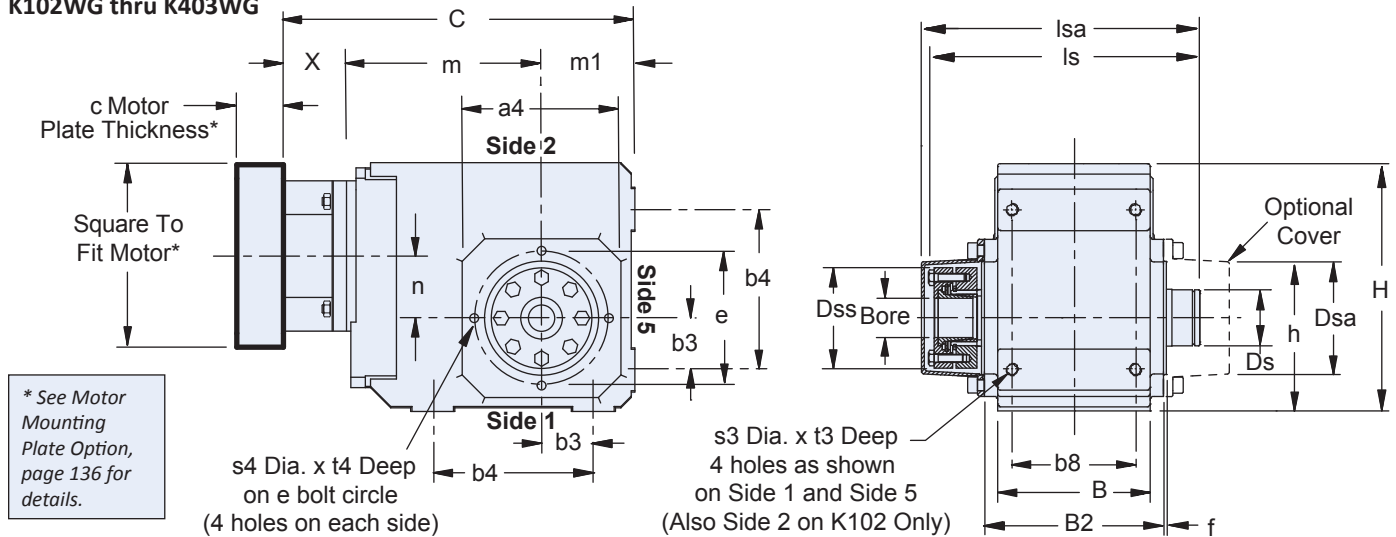
For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

K/KL Series: RIGHT ANGLE — Versatile Outputs

K Series with SINGLE “W” Wobble Free Bushing Output

“G” Pitch Circle Diameter (PCD) Tapped Holes

K102WG thru K403WG



Important: A 1/32" x 45° chamfer minimum is recommended for the shaft end. The bushing will accept a shaft with a tolerance of +0.000/-0.005 inches.

K513WG thru K814WG

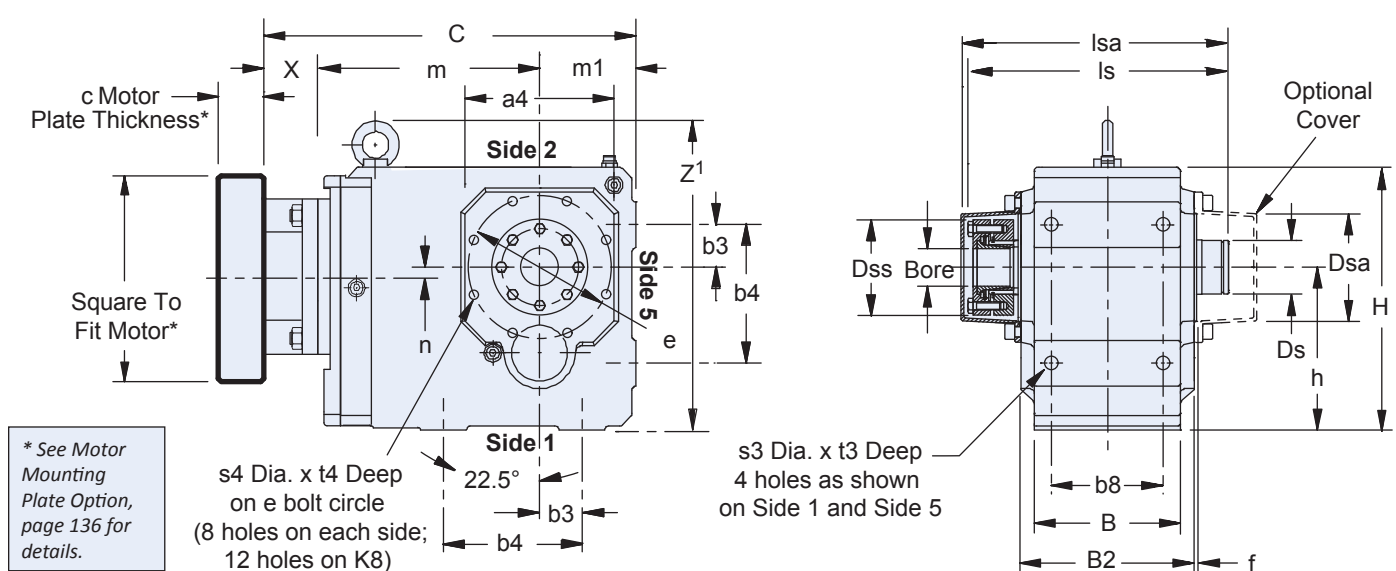


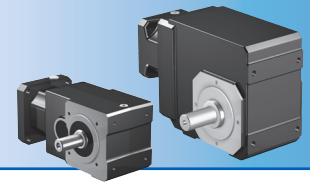
Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ²⁾ c Min. | Motor Shaft d2 Max. ¹⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

1) If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

2) Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 K Series Unit Dimensions (mm) – “G” Pitch Circle Diameter (PCD) Tapped Holes

| Unit | a4 | B | B2 | b3 | b4 | b8 | Ds | Dsa | Dss | e | H | h | ls | lsa | m1 | s3 | s4 | t3 | t4 | Z ₁ |
|------|-----|-----|-----|----|-----|-----|-----|-------|-----|-----|-----|-----|-----|-----|-----|----------|----------|----|----|----------------|
| K1 | 105 | 90 | 106 | 30 | 90 | 70 | 39 | 78 | 70 | 90 | 160 | 60 | 149 | 163 | 60 | M8x1.25 | M8x1.25 | 13 | 13 | — |
| K2 | 116 | 115 | 134 | 35 | 115 | 90 | 44 | 88 | 78 | 100 | 190 | 65 | 178 | 193 | 65 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K3 | 132 | 130 | 146 | 40 | 130 | 105 | 44 | 88 | 84 | 115 | 213 | 75 | 190 | 206 | 75 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K4 | 152 | 148 | 173 | 50 | 155 | 120 | 54 | 110 | 97 | 130 | 240 | 90 | 220 | 243 | 90 | M12x1.75 | M10x1.5 | 19 | 19 | — |
| K5 | 145 | 160 | 185 | 40 | 140 | 125 | 65 | 115 | 105 | 130 | 260 | 160 | 237 | 254 | 100 | M16x2 | M10x1.5 | 26 | 26 | 312 |
| K6 | 180 | 168 | 200 | 50 | 160 | 130 | 74 | 127 | 118 | 165 | 310 | 190 | 254 | 276 | 120 | M16x2 | M10x1.5 | 26 | 26 | 362 |
| K7 | 195 | 190 | 226 | 55 | 180 | 145 | 85 | 146 | 138 | 185 | 342 | 212 | 278 | 288 | 125 | M20x2.5 | M12x1.75 | 31 | 31 | 403 |
| K8 | 226 | 235 | 282 | 75 | 240 | 185 | 100 | 176.5 | 158 | 215 | 410 | 265 | 352 | 363 | 145 | M24x3 | M12x1.75 | 38 | 38 | 471 |

Table 2 “WF” Single Side Bushing – Stock Bore Sizes

| Unit | Metric (mm) | | Inches | | | | | | | | | | | | | | | |
|------|-------------|----------|----------|----------|---------|---------|---------|-------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---|
| | 40 | 1 | 1-3/16 | 1-1/4 | 1-3/8 | 1-7/16 | 1-1/2 | 1-5/8 | 1-11/16 | 1-3/4 | 1-7/8 | 1-15/16 | 2 | 2-3/16 | 2-3/8 | 2-7/16 | 2-3/4 | |
| K1 | — | WF1-100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| K2 | — | WFK2-100 | WFK2-103 | WFK2-104 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| K3 | — | WF3-100 | WF3-103 | WF3-104 | WF3-106 | WF3-107 | WF3-108 | — | — | — | — | — | — | — | — | — | — | — |
| K4 | WF4-40 | — | — | WF4-104 | — | WF4-107 | WF4-108 | — | — | — | — | — | — | — | — | — | — | — |
| K5 | WF5-40 | — | — | — | — | WF5-107 | WF5-108 | — | — | — | — | WF5-115 | WF5-200 | — | — | — | — | — |
| K6 | — | — | — | — | — | WF6-107 | WF6-108 | — | — | — | — | WF6-115 | WF6-200 | WF6-203 | — | — | — | — |
| K7 | — | — | — | — | — | — | — | — | — | — | — | WF7-115 | WF7-200 | — | WF7-206 | — | — | — |
| K8 | — | — | — | — | — | — | — | — | — | — | — | — | — | WF8-203 | WF8-206 | WF8-207 | WF8-212 | — |

NOTE: A complete bushing kit includes the locking ring assembly, tapered cone, support ring, and all hardware to mount the kit into the reducer. The WF1-100 bushing does not have a tapered cone. The optional cover caps can be ordered separately

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |

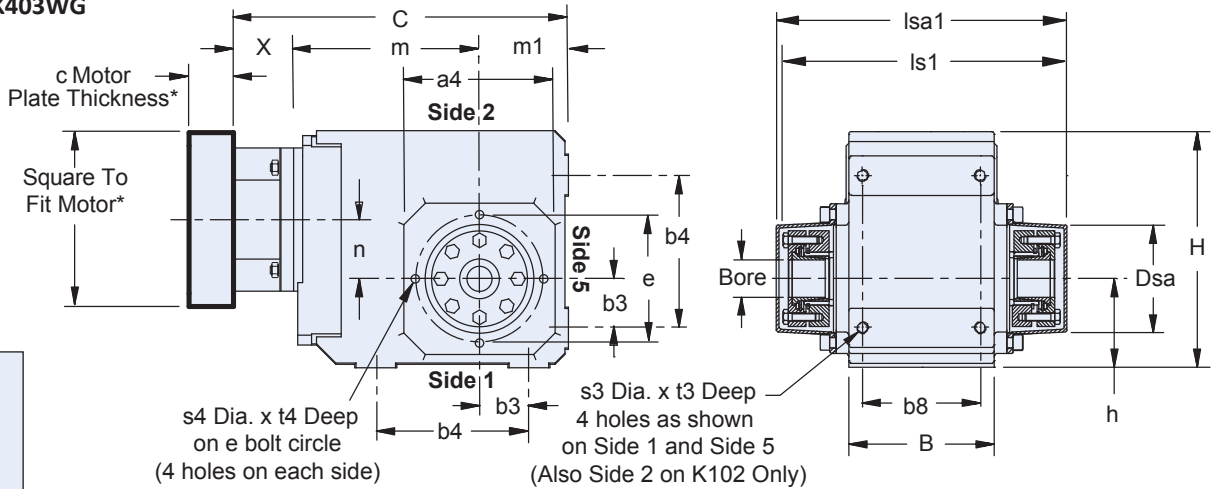
For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

K/KL Series: RIGHT ANGLE — Versatile Outputs

K Series with DOUBLE “W” Wobble Free Bushing Output

“G” Pitch Circle Diameter (PCD) Tapped Holes

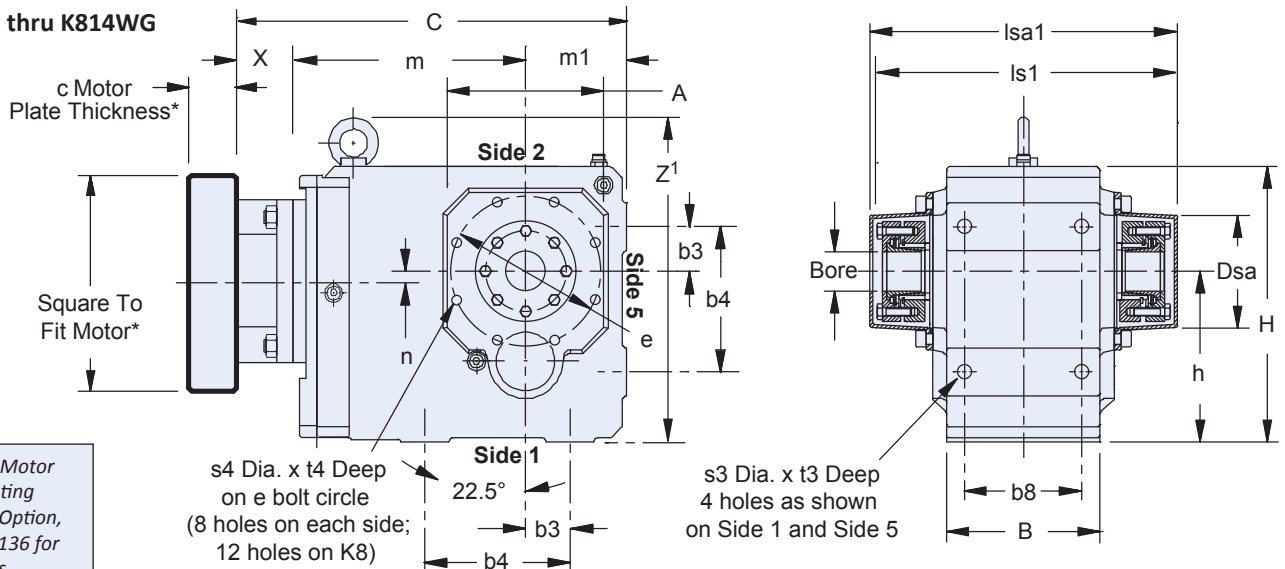
K102WG thru K403WG



* See Motor Mounting Plate Option, page 136 for details.

Important: A 1/32" x 45° chamfer minimum is recommended for the shaft end. The bushing will accept a shaft with a tolerance of +0.000/-0.005 inches.

K513WG thru K814WG



* See Motor Mounting Plate Option, page 136 for details.

Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ²⁾ c Min. | Motor Shaft d2 Max. ¹⁾ | X | Wt. lbs. |
|---------------|-----------------------------------|--------------------------------------|------|-------------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

1) If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

2) Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data

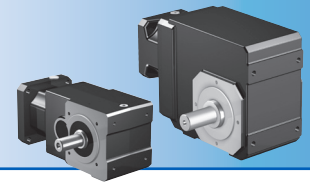


Table 1 K Series Unit Dimensions (mm) – “G” Pitch Circle Diameter (PCD) Tapped Holes

| Unit | a4 | B | b3 | b4 | b8 | Dsa | e | H | h | ls1 | lsa1 | m1 | s3 | s4 | t3 | t4 | Z ¹ |
|------|-----|-----|----|-----|-----|-------|-----|-----|-----|-----|------|-----|----------|----------|----|----|----------------|
| K1 | 105 | 90 | 30 | 90 | 70 | 78 | 90 | 160 | 60 | 194 | 198 | 60 | M8x1.25 | M8x1.25 | 13 | 13 | — |
| K2 | 116 | 115 | 35 | 115 | 90 | 88 | 100 | 190 | 65 | 226 | 238 | 65 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K3 | 132 | 130 | 40 | 130 | 105 | 88 | 115 | 213 | 75 | 239 | 253 | 75 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K4 | 152 | 148 | 50 | 155 | 120 | 110 | 130 | 240 | 90 | 281 | 295 | 90 | M12x1.75 | M10x1.5 | 19 | 19 | — |
| K5 | 145 | 160 | 40 | 140 | 125 | 115 | 130 | 260 | 160 | 295 | 307 | 100 | M16x2 | M10x1.5 | 26 | 26 | 312 |
| K6 | 180 | 168 | 50 | 160 | 130 | 127 | 165 | 310 | 190 | 322 | 336 | 120 | M16x2 | M10x1.5 | 26 | 26 | 362 |
| K7 | 195 | 190 | 55 | 180 | 145 | 146 | 185 | 342 | 212 | 383 | 390 | 125 | M20x2.5 | M12x1.75 | 31 | 31 | 403 |
| K8 | 226 | 235 | 75 | 240 | 185 | 176.5 | 215 | 410 | 265 | 458 | 474 | 145 | M24x3 | M12x1.75 | 38 | 38 | 471 |

Table 2 “WFB” Double Side Bushing – Stock Bore Sizes

| Unit | Metric (mm) | Inches | | | | | | | | | | | | | | | | |
|------|-------------|-----------|-----------|-----------|----------|----------|----------|-------|---------|-------|-------|----------|----------|----------|----------|----------|----------|---|
| | 40 | 1 | 1-3/16 | 1-1/4 | 1-3/8 | 1-7/16 | 1-1/2 | 1-5/8 | 1-11/16 | 1-3/4 | 1-7/8 | 1-15/16 | 2 | 2-3/16 | 2-3/8 | 2-7/16 | 2-3/4 | |
| K1 | — | WFB1-100 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| K2 | — | WFBK2-100 | WFBK2-103 | WFBK2-104 | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| K3 | — | WFB3-100 | WFB3-103 | WFB3-104 | WFB3-106 | WFB3-107 | WFB3-108 | — | — | — | — | — | — | — | — | — | — | — |
| K4 | WFB4-40 | — | — | WFB4-104 | — | WFB4-107 | WFB4-108 | — | — | — | — | — | — | — | — | — | — | — |
| K5 | WFB5-40 | — | — | — | — | WFB5-107 | WFB5-108 | — | — | — | — | WFB5-115 | WFB5-200 | — | — | — | — | — |
| K6 | — | — | — | — | — | WFB6-107 | WFB6-108 | — | — | — | — | WFB6-115 | WFB6-200 | WFB6-203 | — | — | — | — |
| K7 | — | — | — | — | — | — | — | — | — | — | — | WFB7-115 | WFB7-200 | — | WFB7-206 | — | — | — |
| K8 | — | — | — | — | — | — | — | — | — | — | — | — | — | WFB8-203 | WFB8-206 | WFB8-207 | WFB8-212 | — |

NOTE: A complete bushing kit includes the locking ring assembly, tapered cone, support ring, and all hardware to mount the kit into the reducer. The WFB1-100 bushing does not have a tapered cone.

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |

For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

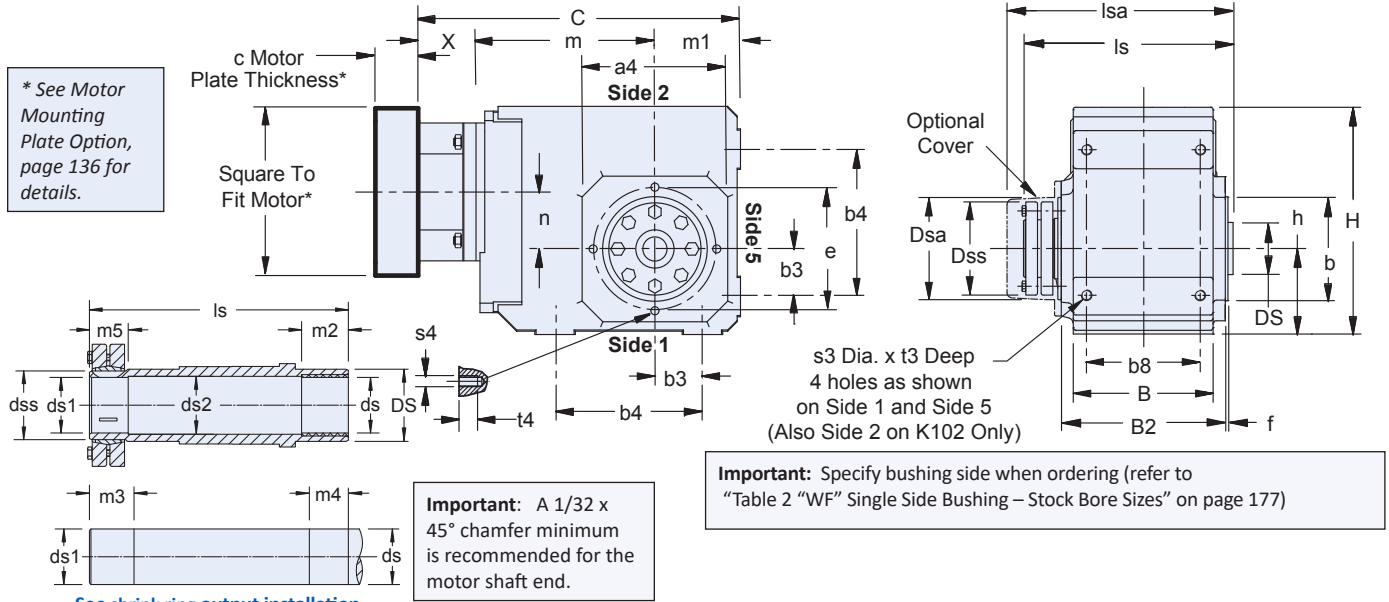
K/KL Series: RIGHT ANGLE — Versatile Outputs

K/KL Series: RIGHT ANGLE – Versatile Outputs

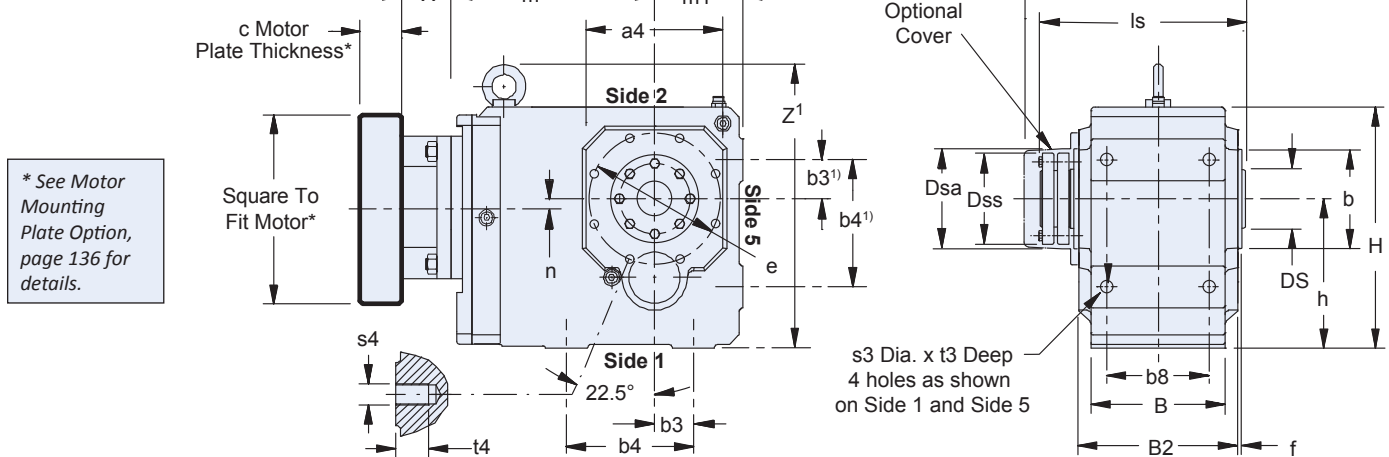
K Series with “S” Shrink Ring Output

“G” Pitch Circle Diameter (PCD) Tapped Holes

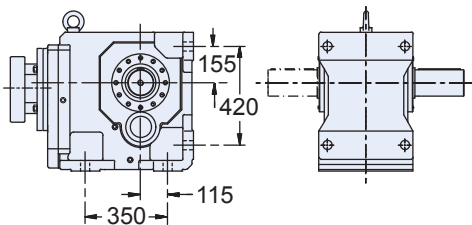
K102SG thru K403SG



K513SG thru K1014SG



Size K10 Mounting Feet (Dimensions b3 and b4)



2) Mounting feet are integral on the K10 housing. Note that b3 = 155 and b4 = 420 on Side 5 of the K10. Hole locations are as shown above.

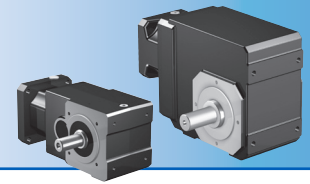
Table 3 Motor Adapter Dimensions (mm)

| Motor Adapter | Thickness ³⁾ c Min. | Motor Shaft d2 Max. ²⁾ | X | Wt. lbs. |
|---------------|--------------------------------|-----------------------------------|------|----------|
| ME10 | 21 | 19 | 40 | 5 |
| ME20 | 24 | 32 | 50 | 8 |
| ME30 | 25 | 38 | 60 | 15 |
| ME40 | 33 | 48 | 88 | 28 |
| ME50 | 43 | 60 | 81.5 | 42 |

²⁾ If an adapter bushing is required it will be supplied as a component of the motor mounting plate.

³⁾ Motor plate maximum thickness (c) will vary with motor shaft length but will not be less than shown.

Dimensional Data



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 K Series Unit Dimensions (mm) – “S” Shrink Ring Output

| Unit | a4 | B | B2 | b | b4 | b8 | e | f | H | h | ls | lsa | m1 | s3 | s4 | t3 | t4 | Z ₁ |
|------|-----|-----|-----|-------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|------------------|----------|----|----|----------------|
| K1 | 105 | 90 | 106 | 75 _{j6} | 90 | 70 | 90 | 3 | 160 | 60 | 149 | 163 | 60 | M8x1.25 | M8x1.25 | 13 | 13 | — |
| K2 | 116 | 115 | 134 | 82 _{j6} | 115 | 90 | 100 | 3 | 190 | 65 | 178 | 193 | 65 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K3 | 132 | 130 | 146 | 95 _{j6} | 130 | 105 | 115 | 3 | 213 | 75 | 190 | 206 | 75 | M10x1.5 | M8x1.25 | 16 | 16 | — |
| K4 | 152 | 148 | 173 | 110 _{j6} | 155 | 120 | 130 | 3.5 | 240 | 90 | 220 | 242 | 90 | M12x1.75 | M10x1.5 | 19 | 19 | — |
| K5 | 145 | 160 | 185 | 110 _{j6} | 140 | 125 | 130 | 3.5 | 260 | 160 | 237 | 254 | 100 | M16x2 | M10x1.5 | 26 | 26 | 312 |
| K6 | 180 | 168 | 200 | 140 _{j6} | 160 | 130 | 165 | 3.5 | 310 | 190 | 254 | 276 | 120 | M16x2 | M10x1.5 | 26 | 26 | 362 |
| K7 | 195 | 190 | 226 | 155 _{j6} | 180 | 145 | 185 | 3.5 | 342 | 212 | 278 | 288 | 125 | M20x2.5 | M12x1.75 | 31 | 31 | 403 |
| K8 | 226 | 235 | 282 | 185 _{j6} | 240 | 185 | 215 | 4 | 410 | 265 | 352 | 362 | 145 | M24x3 | M12x1.75 | 38 | 38 | 471 |
| K9 | 280 | 285 | 330 | 230 _{j6} | 280 | 225 | 265 | 5 | 495 | 315 | 418 | 425 | 180 | M30x3.5 | M16x2 | 48 | 48 | 565 |
| K10 | 340 | 356 | 400 | 250 _{h6} | 350 ¹⁾ | 330 | 300 | 5 | 591 | 375 | 483 | 497 | 225 | 39 ²⁾ | 10-M20 | 45 | 33 | 680 |

¹⁾ Mounting feet are integral on the K10 housing as shown in drawing, facing page. Note b3 = 155 and b4 = 420 on Side 5 of the K10.

²⁾ s3 on K10 are thru holes, not tapped.

Table 2 K Series Unit Dimensions (mm) – “S” Shrink Ring Output

| Unit | b3 | DS | ds | ds1 | | ds2 | Dsa | Dss | dss | m2 | m3 | m4 | m5 |
|------|-------------------|-----|-------------------|--------------------|-------------------|------|-----|-----|-----|----|----|----|----|
| | | | | Bore ^{H7} | Shaft | | | | | | | | |
| K1 | 30 | 40 | 25 _{h9} | 25 | 25 _{h9} | 25.5 | 80 | 60 | 30 | 20 | 34 | 25 | 29 |
| K2 | 35 | 45 | 30 _{h9} | 30 | 30 _{h9} | 30.5 | 88 | 72 | 36 | 25 | 39 | 30 | 34 |
| K3 | 40 | 50 | 35 _{h9} | 35 | 35 _{h9} | 35.5 | 101 | 80 | 44 | 30 | 39 | 35 | 34 |
| K4 | 50 | 55 | 40 _{h9} | 40 | 40 _{h9} | 40.5 | 114 | 90 | 50 | 40 | 39 | 45 | 34 |
| K5 | 40 | 65 | 50 _{h9} | 50 | 50 _{h9} | 50.5 | 116 | 106 | 62 | 40 | 44 | 45 | 39 |
| K6 | 50 | 70 | 50 _{h9} | 50 | 50 _{h9} | 50.5 | 128 | 106 | 62 | 40 | 45 | 45 | 40 |
| K7 | 55 | 85 | 60 _{h6} | 60 | 60 _{h6} | 62 | 164 | 138 | 75 | 40 | 45 | 45 | 40 |
| K8 | 75 | 100 | 70 _{h6} | 70 | 70 _{h6} | 72 | 203 | 155 | 90 | 50 | 60 | 60 | 50 |
| K9 | 95 | 120 | 90 _{h6} | 90 | 90 _{h6} | 92 | 244 | 200 | 120 | 60 | 70 | 70 | 60 |
| K10 | 115 ¹⁾ | 130 | 100 _{h6} | 100 | 100 _{h6} | 102 | 274 | 230 | 130 | 60 | 80 | 70 | 70 |

¹⁾ Mounting feet are integral on the K10 housing as shown in drawing, facing page. Note F = 420 and FA = 155 on Side 5 of the K10.

Table 4 K Series Unit Dimensions (mm)

| Unit | ME10 | | | ME20 | | | ME30 | | | ME40 | | | ME50 | | | Wt. lbs. |
|-------|------|-----|------|------|-----|------|------|-----|------|------|-----|----|-------|-----|----|----------|
| | C | m | n | C | m | n | C | m | n | C | m | n | C | m | n | |
| K102 | 224 | 124 | 36 | 238 | 128 | 36 | — | — | — | — | — | — | — | — | — | 31 |
| K202 | 248 | 143 | 46 | 262 | 147 | 46 | 274 | 149 | 46 | — | — | — | — | — | — | 40 |
| K203 | 285 | 180 | 46 | — | — | — | — | — | — | — | — | — | — | — | — | 53 |
| K302 | 278 | 163 | 52.5 | 292 | 167 | 52.5 | 304 | 169 | 52.5 | — | — | — | — | — | — | 67 |
| K303 | 315 | 200 | 52.5 | 335 | 210 | 16 | — | — | — | — | — | — | — | — | — | 73 |
| K402 | — | — | — | 327 | 187 | 60 | 339 | 189 | 60 | 370 | 192 | 60 | — | — | — | 93 |
| K403 | 350 | 220 | 60 | 370 | 230 | 23 | — | — | — | — | — | — | — | — | — | 100 |
| K513 | — | — | — | 322 | 172 | 15 | 334 | 174 | 15 | 365 | 177 | 15 | — | — | — | 106 |
| K514 | — | — | — | 365 | 215 | 15 | — | — | — | — | — | — | — | — | — | 109 |
| K613 | — | — | — | 361 | 191 | 18 | 373 | 193 | 18 | 404 | 196 | 18 | 411.5 | 210 | 18 | 170 |
| K614 | — | — | — | 404 | 234 | 18 | — | — | — | — | — | — | — | — | — | 177 |
| K713 | — | — | — | — | — | — | 406 | 221 | 20 | 437 | 224 | 20 | 443.5 | 237 | 20 | 221 |
| K714 | — | — | — | 438 | 263 | 20 | 468 | 283 | 20 | — | — | — | — | — | — | 234 |
| K813 | — | — | — | — | — | — | 452 | 247 | 24 | 482 | 249 | 24 | 488.5 | 262 | 24 | 309 |
| K814 | — | — | — | — | — | — | 513 | 308 | 24 | 553 | 320 | 5 | — | — | — | 331 |
| K913 | — | — | — | — | — | — | — | — | — | 562 | 294 | 25 | 568.5 | 307 | 25 | 508 |
| K914 | — | — | — | — | — | — | 593 | 353 | 25 | 633 | 365 | 25 | — | — | — | 530 |
| K1013 | — | — | — | — | — | — | — | — | — | — | — | — | 698.5 | 392 | 28 | 1055 |
| K1014 | — | — | — | — | — | — | — | — | — | 763 | 450 | 28 | 781.5 | 475 | 28 | 1079 |

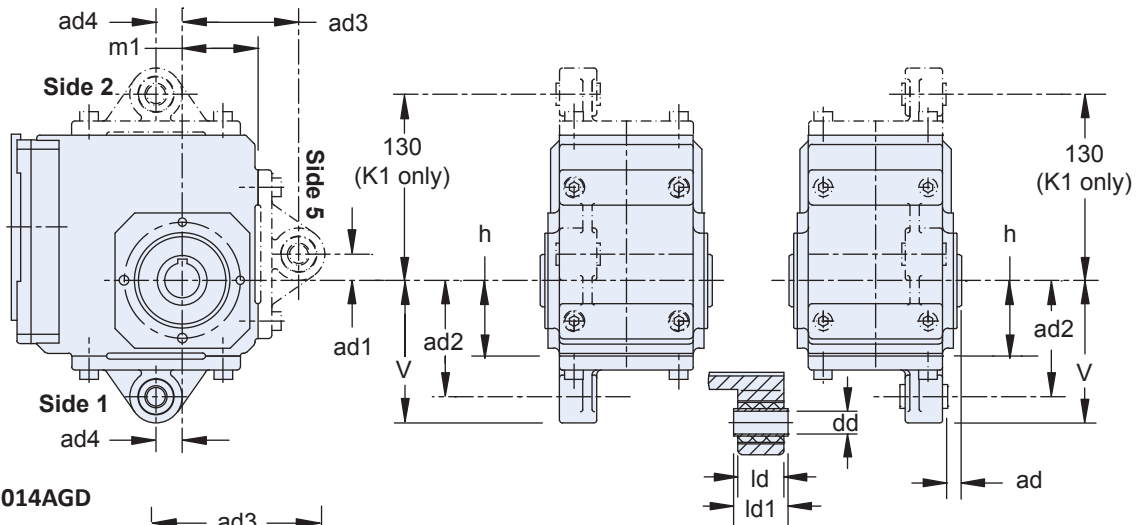
For approximate weight, add adapter weight from Table 3 and unit weight from Table 4.

K/KL Series: RIGHT ANGLE — Versatile Outputs

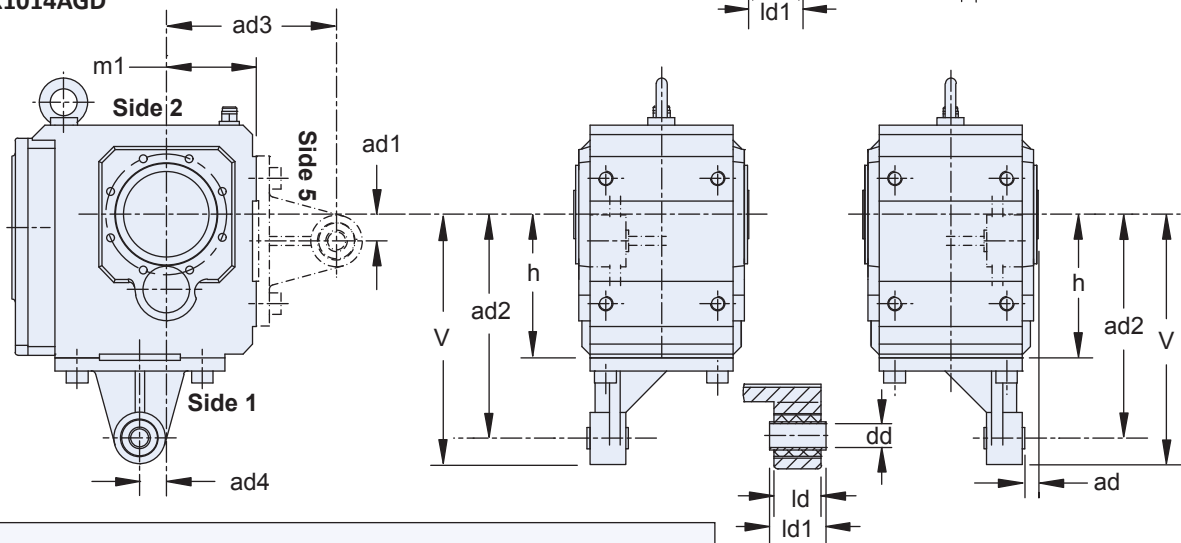
K Series with “A” Hollow Output

“GD” Torque Arm Bracket Housing (Torque arm supplied by others)

K102AGD thru K403AGD



K513AGD thru K1014AGD



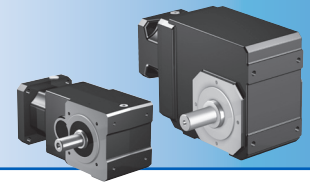
Important:

On K102 thru K1014, brackets can be mounted on Side 1 (shown) or Side 5 (opposite input side). On K102 ONLY, the bracket can also be mounted on Side 2 (top).

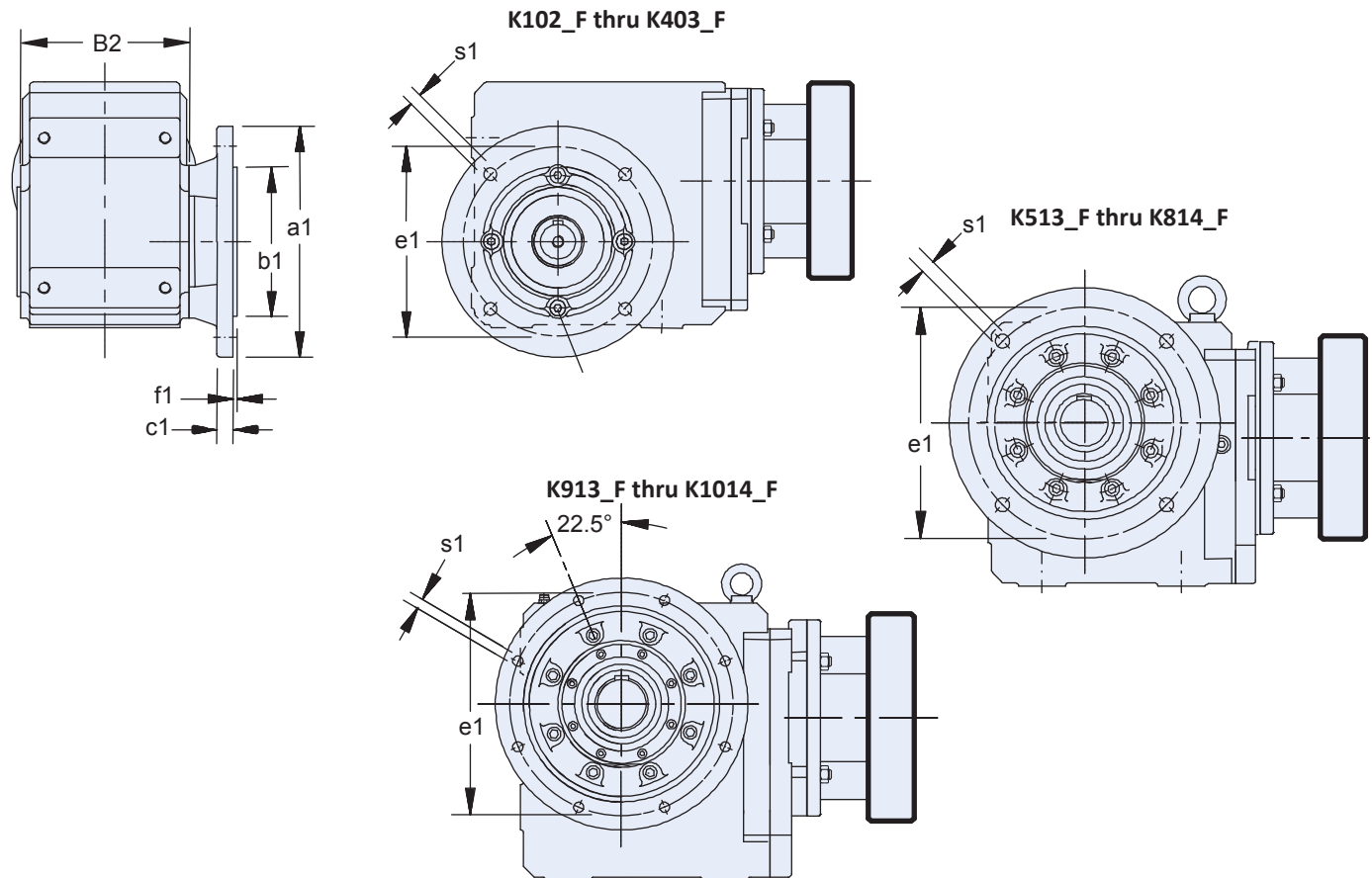
Table 1 K Series Unit Dimensions (mm) — “GD” Torque Arm Bracket Housing Option

| Unit | ad | ad1 | ad2 | ad3 | ad4 | dd | h | ld | ld1 | m1 | V |
|------|------|------|-----|-----|------|------------------|-----|-----|-----|-----|-------|
| K1 | 13 | 15 | 90 | 90 | 15 | 12 _{H9} | 60 | 24 | 28 | 60 | 111.5 |
| K2 | 13.5 | 22.5 | 100 | 100 | 22.5 | 16 _{H9} | 65 | 32 | 38 | 65 | 122.5 |
| K3 | 12 | 25 | 120 | 120 | 25 | 16 _{H9} | 75 | 32 | 38 | 75 | 142.5 |
| K4 | 17 | 27.5 | 150 | 150 | 27.5 | 20 _{H9} | 90 | 40 | 46 | 90 | 177.5 |
| K5 | 17 | 30 | 250 | 190 | 30 | 20 _{H9} | 160 | 40 | 46 | 100 | 279 |
| K6 | 20.5 | 30 | 250 | 180 | 30 | 20 _{H9} | 190 | 40 | 46 | 120 | 279 |
| K7 | 23 | 35 | 300 | 213 | 35 | 20 _{H9} | 212 | 64 | 70 | 125 | 334 |
| K8 | 26 | 45 | 350 | 230 | 45 | 24 _{H9} | 265 | 102 | 115 | 145 | 386 |
| K9 | 26 | 45 | 450 | 315 | 45 | 24 _{H9} | 315 | 102 | 115 | 180 | 487.5 |
| K10 | 6 | 55 | 550 | 400 | 60 | 40 _{H9} | 375 | 118 | 124 | 225 | 610 |

Dimensional Data



Optional "F" Round Flange Housing Options for K Series



K/KL Series: RIGHT ANGLE — Versatile Outputs

Table 1 K Series – Optional Flange Dimensions (mm)

| Unit | Flange Size a1 | b1 | B2 | c1 | e1 | f1 | s1 |
|------|-------------------|-------------------|-----|----|-----|-----|----|
| K1 | 140 | 95 _{j6} | 106 | 10 | 115 | 3 | 9 |
| | 160 * | 110 _{j6} | 106 | 10 | 130 | 3.5 | 9 |
| K2 | 160 | 110 _{j6} | 134 | 12 | 130 | 3.5 | 9 |
| | 200 * | 130 _{j6} | 134 | 12 | 165 | 3.5 | 11 |
| K3 | 160 | 110 _{j6} | 146 | 14 | 130 | 3.5 | 9 |
| | 200 * | 130 _{j6} | 146 | 14 | 165 | 3.5 | 11 |
| | 250 | 180 _{j6} | 146 | 14 | 215 | 4 | 14 |
| K4 | 250 * | 180 _{j6} | 173 | 15 | 215 | 4 | 14 |
| K5 | 250 * | 180 _{j6} | 185 | 15 | 215 | 4 | 14 |
| K6 | 300 * | 230 _{j6} | 200 | 17 | 265 | 4 | 14 |
| K7 | 350 * | 250 _{h6} | 226 | 18 | 300 | 5 | 18 |
| K8 | 350 | 250 _{h6} | 282 | 18 | 300 | 5 | 18 |
| | 400 * | 300 _{h6} | 282 | 20 | 350 | 5 | 18 |
| | 450 | 350 _{h6} | 282 | 20 | 400 | 5 | 18 |
| K9 | 450 * | 350 _{h6} | 330 | 23 | 400 | 5 | 18 |
| K10 | 550 | 450 _{h6} | 400 | 25 | 500 | 5 | 18 |

* Asterisk indicates standard flange diameter. For other diameters, specify at the time of ordering.