

92W-1

Enclosed Electric Power Clamps | Smart Clamp | How to Order

92W-1

23

00

02

02

Clamp Arm Shaft

03

23

Shaft Length (L)

10 mm [0.39 in]

16 mm [0.63 in]

Body Style

for 400 V Motor Option 01 only

01 Compact Clamp Design

for 48 V Motor Option 02 only

02 Compact Clamp Design

01

02

Motor

for Body Style Option 01 only

01 Servo Drive, Decentral 400 V

for Body Style Option 02 only

02 Servo Drive, Decentral 48 V

01

02

03

23

01

02

01

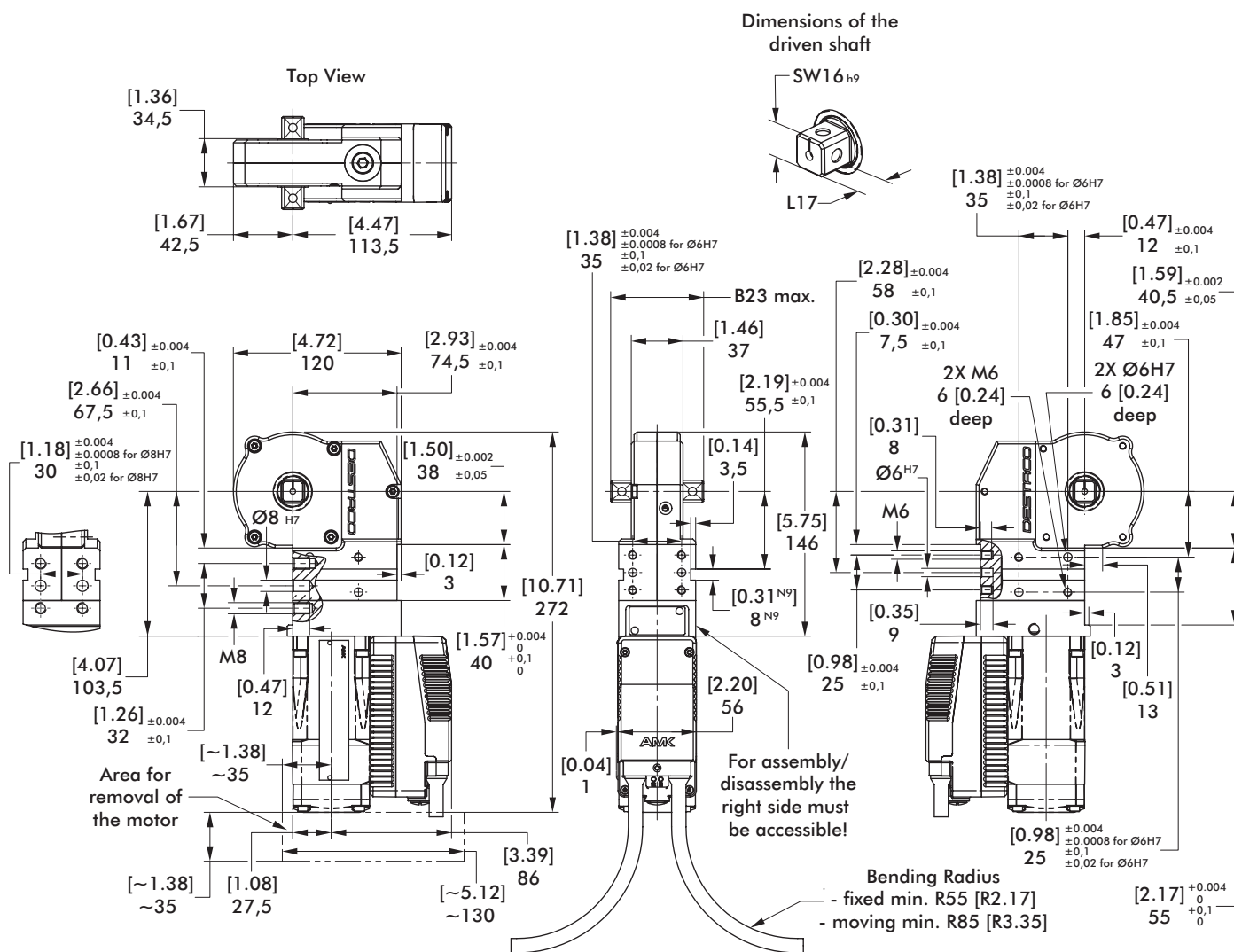
02

92W-123000101

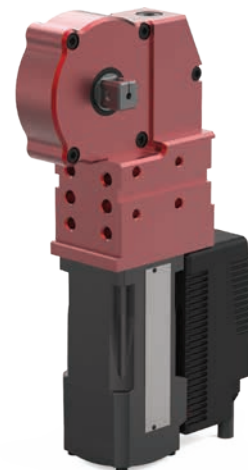
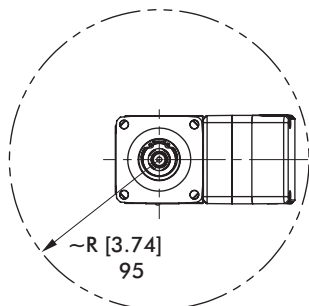
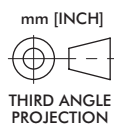
Shown with U-Arm 8UM404-41-131 (order separately)

92W-103000202

Shown with U-Arm 8UM404-41-131 (order separately)



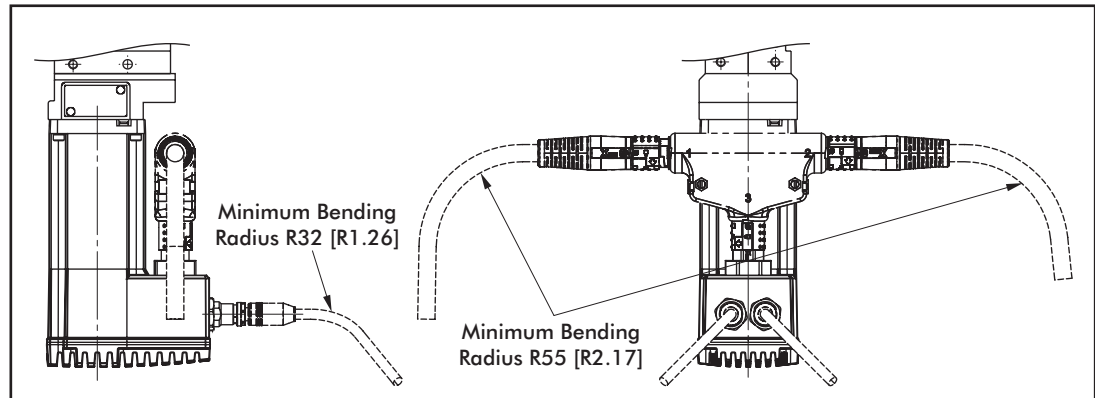
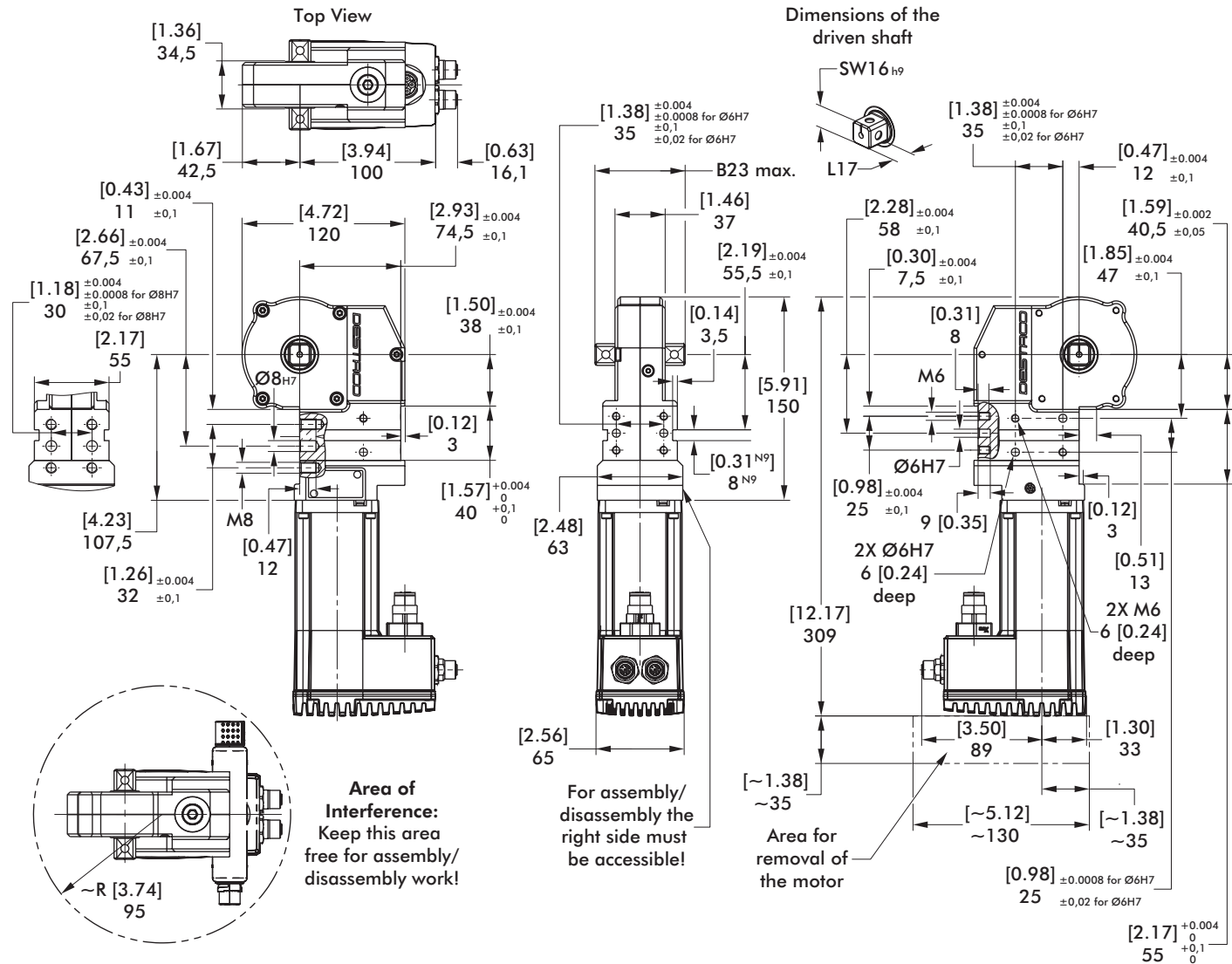
Area of Interference:
Keep this area free for
assembly/disassembly work!



Model	Max. Holding Torque Nm [ft-lb]	Max. Clamping Torque Nm [ft-lb]	Weight kg [lbs]	B23 Max.	L17
92W-103000101	[332] 450	[7.4-74] 10-100	[7.72] 3,5	54,5 [2.15]	10 [0.39]
92W-123000101				66,5 [2.62]	16 [0.63]

92W-1....0202

Enclosed Electric Power Clamps | Smart Clamp | Dimensions | Technical Specifications

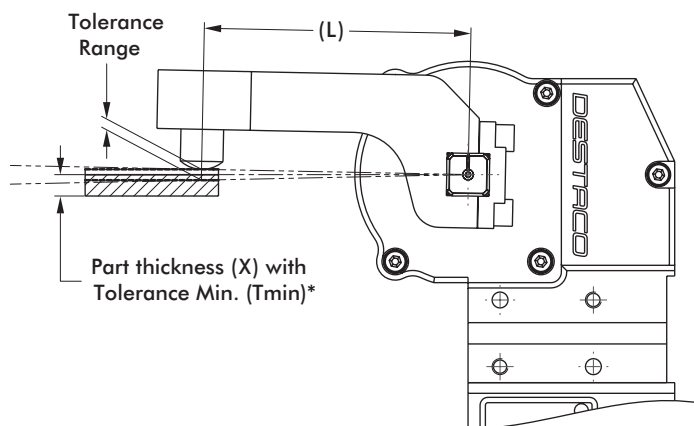


Model	Max. Holding Torque Nm [ft-lb]	Max. Clamping Torque Nm [ft-lb]	Weight kg [lbs]	B23 Max.	L17
92W-103000202	[332] 450	[7.4-89] 10-120	[7.93] 3,6	54,5 [2.15]	10 [0.39]
92W-123000202				66,5 [2.62]	16 [0.63]

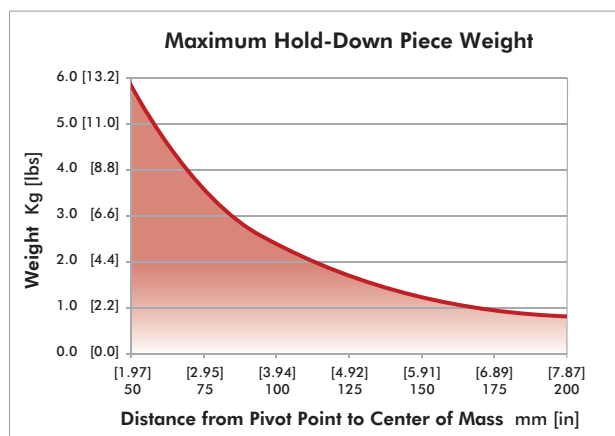
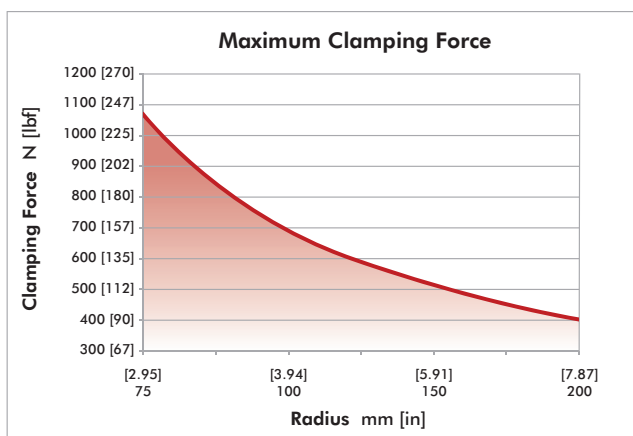
Part Present Control and Tolerance Compensation

Distance (L) [in] mm	Part Thickness (X) Min. Tolerance (Tmin)* [in] mm	Tolerance Range [in] mm
[3.94 ±0.004] 100 ±0,1	[±0.0098] ±0,25	[0.019] 0,5
[5.91 ±0.004] 150 ±0,1	[±0.0138] ±0,35	[0.027] 0,7
[7.87 ±0.004] Max. 200 ±0,1 Max.	[±0.0177] ±0,45	[0.031] 0,9

*Specification only as a guideline



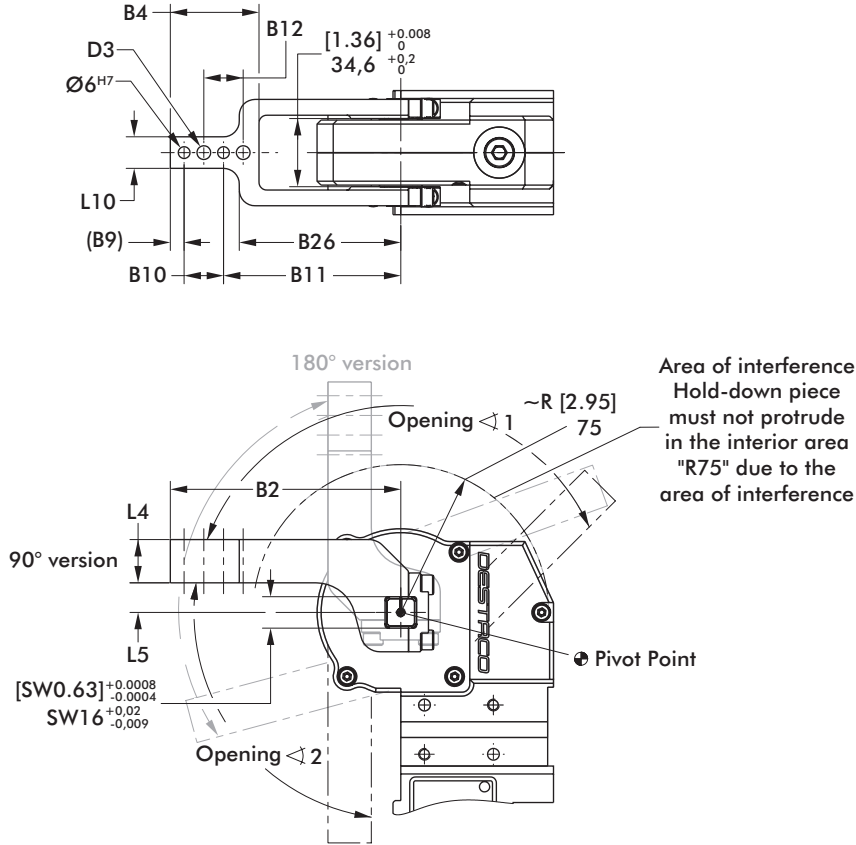
Technical Specifications



92W-1 U-ARMS CENTER (ALUMINUM)

Enclosed Electric Power Clamps | Dimensions | Technical Specifications

U-Clamp Arm, Center



8UM404-00-117
8UM404E-15-117
8UM404E-15-144
8UM404E-25-117
8UM404E-45-107
8UM404-41-131

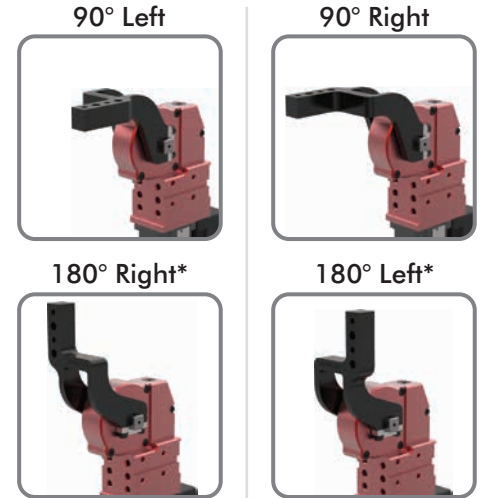
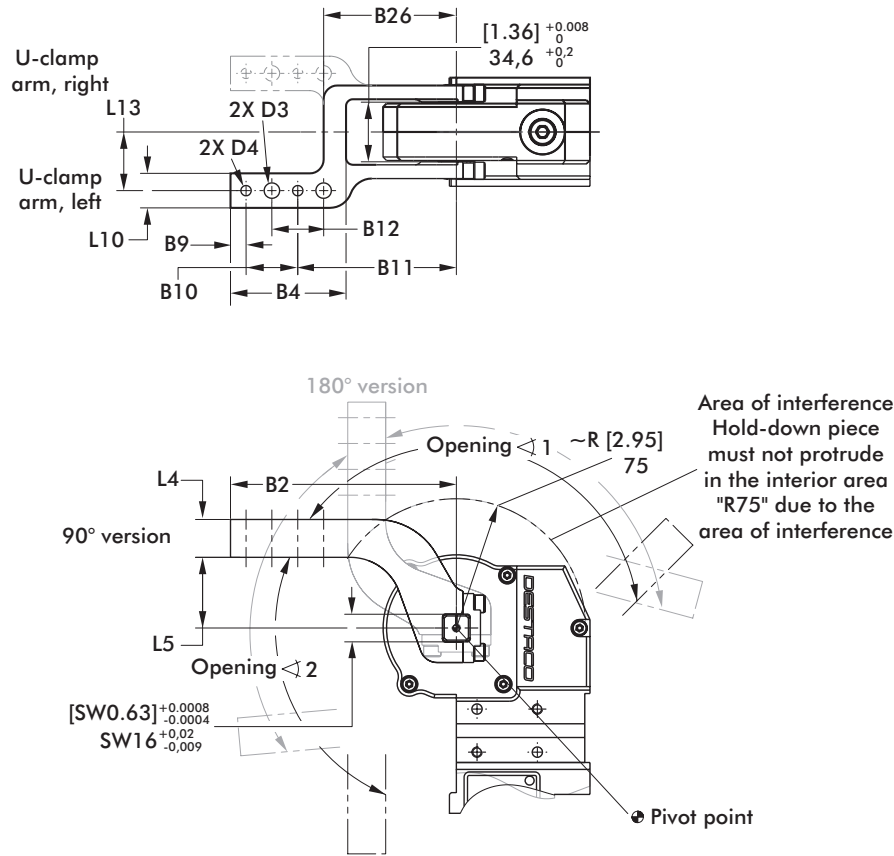
Arm Model No.	Max. Opening Angle for 90° Version		Max. Opening Angle for 180° Version		Weight kg [lbs]	B2	B4	B9	B10	B11	B12	B26	D3	L4	L5	L10
	$\angle 1$	$\angle 2$	$\angle 1$	$\angle 2$					$\begin{smallmatrix} [\pm 0.0008] \\ \pm 0,02 \end{smallmatrix}$	$\begin{smallmatrix} [\pm 0.004] \\ \pm 0,1 \end{smallmatrix}$	$\begin{smallmatrix} [\pm 0.008] \\ \pm 0,2 \end{smallmatrix}$			$\begin{smallmatrix} [\pm 0.004] \\ \pm 0,1 \end{smallmatrix}$		
8UM404-00-117	135°	85°	55°	140°	[0.49] 0,22	[4.61] 117	[1.77] 45	[0.28] 7	[0.79] 20	[3.54] 90	[0.79] 20		[0.28] 7	[0.87] 22	0	[0.63] 16
8UM404E-15-117		70°	105°		[0.51] 0,23	[5.67] 144	[2.83] 72	[0.35] 9	[1.18] 30	[4.13] 105	[1.18] 30	[3.23] 82	[0.35] 9	[1.10] 28	[0.59] 15	[0.79] 20
8UM404E-15-144					[0.73] 0,33											
8UM404E-25-117		90°	100°		[0.53] 0,24	[4.61] 117	[1.77] 45	[0.28] 7	[0.79] 20	[3.54] 90	[0.79] 20		[0.28] 7	[0.87] 22	[0.98] 25	[0.63] 16
8UM404E-45-107					[4.21] 107											
8UM404-41-131					[0.64] 0,29											
				95°		[5.16] 131	[2.64] 67	[0.35] 9	[1.18] 30	[3.62] 92	[1.18] 30	[3.03] 77	[0.35] 9		[1.61] 41	[0.79] 20

Dimensions = [in] mm

92W-1 U-ARMS OFFSET (ALUMINUM)

Enclosed Electric Power Clamps | Dimensions | Technical Specifications

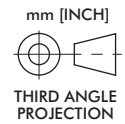
U-Clamp Arm, Offset



8UL404-00-117
8UL404E-15-117
8UL404E-25-117
8UL404E-45-107
8UL404E-15-144
8UL404-41-131

8UR404-00-117
8UR404E-15-117
8UR404E-25-117
8UR404E-45-107
8UR404E-15-144
8UR404-41-131

*90° left/180° right uses same clamp arm.
90° right/180° left uses same clamp arm.



Arm Model No. Left 90° / Right 180°	Arm Model No. Right 90° / Left 180°	Max. Opening Angle for 90° Version		Max. Opening Angle for 180° Version		Weight kg [lbs]
		< 1	< 2	< 1	< 2	
8UL404-00-117	8UR404-00-117	135°	85°	55°	140°	0,22 [0.49]
8UL404E-15-117	8UR404E-15-117		90°	70°	105°	0,23 [0.51]
8UL404E-25-117	8UR404E-25-117			90°	100°	0,24 [0.53]
8UL404E-45-107	8UR404E-45-107			110°	95°	
8UL404E-15-144	8UR404E-15-144			70°	105°	0,35 [0.77]
8UL404-41-131	8UR404-41-131			105°	95°	0,30 [0.66]

Arm Model No. Left 90° / Right 180°	Arm Model No. Right 90° / Left 180°	B2	B4	B9	B10	B11	B12	B26	L4	L5	Ø D3	Ø D4	L10	L13
					[±0.0008] ±0,02	[±0.004] ±0,1	[±0.008] ±0,2		[±0.004] ±0,1			H7		[±0.004] ±0,1
8UL404-00-117	8UR404-00-117									0				
8UL404E-15-117	8UR404E-15-117	[4.61] 117	[1.77] 45	[0.28] 7	[0.79] 20	[3.54] 90	[0.79] 20	[3.23] 82	[0.87] 22	[0.59] 15	[0.28] 7		[0.63] 16	[0.91] 23
8UL404E-25-117	8UR404E-25-117									[0.98] 25				
8UL404E-45-107	8UR404E-45-107	[4.21] 107				[3.15] 80		[2.83] 72		[1.77] 45		[0.24] 6		
8UL404E-15-144	8UR404E-15-144	[5.67] 144	[2.83] 72	[0.35] 9	[1.18] 30	[4.13] 105	[1.18] 30	[3.23] 82	[1.10] 28	[0.59] 15	[0.35] 9		[0.79] 20	[1.46] 37
8UL404-41-131	8UR404-41-131	[5.16] 131	[2.64] 67			[3.62] 92		[3.03] 77	[0.87] 22	[1.61] 41				[1.34] 34

Dimensions = [in] mm

Dimensions and technical information are subject to change without notice

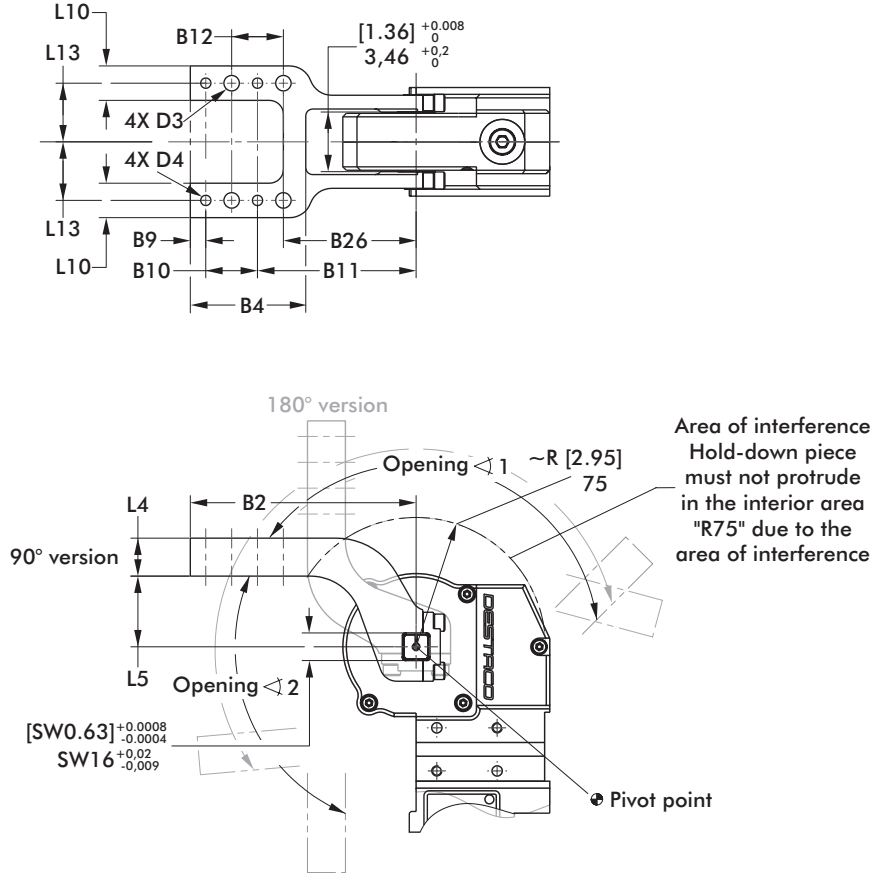
PC-ELC | 6



92W-1 H-ARMS (ALUMINUM)

Enclosed Electric Power Clamps | Dimensions | Technical Specifications

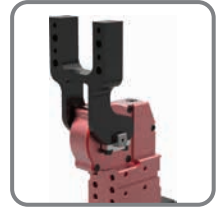
H-Clamp Arms



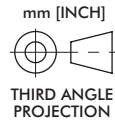
90°



180°



8UH404E-15-117
8UH404E-15-144
8UH404-41-131



Arm Model No.	Max. Opening Angle for 90° Version		Max. Opening Angle for 180° Version		Weight kg [lbs]
	<1	<2	<1	<2	
8UH404E-15-117					[0.57] 0,26
8UH404E-15-144	135°	90°	70°	105°	[1.01] 0,46
8UH404-41-131			105°	95°	[0.82] 0,37

Arm Model No.	B2	B4	B9	B10	B11	B12	B26	L4	L5	D3	D4	L10	L13
				±0.0008 ±0,02	±0.004 ±0,1	±0.008 ±0,2		±0.004 ±0,1			H7		±0.004 ±0,1
8UH404E-15-117	[4.61] 117	[1.77] 45	[0.28] 7	[0.79] 20	[3.54] 90	[0.79] 20	[3.23] 82	[0.87] 22	[0.59] 15	[0.28] 7		[0.63] 16	[0.91] 23
8UH404E-15-144	[5.67] 144	[2.83] 72	[0.35] 9	[1.18] 30	[4.13] 105	[1.18] 30	[3.03] 77	[1.10] 28		[0.35] 9	[0.24] 6	[0.79] 20	[1.46] 37
8UH404-41-131	[5.16] 131	[2.64] 67			[3.62] 92			[0.87] 22	[1.61] 41				[1.34] 34

Dimensions = [in] mm

