

DESIGNATION			PIN and Box		PIN				BOX							
			GENERAL		GENERAL				STANDARD		API REGULAR		SPECIAL CLEARANCE		GENERAL	
DIAMETER	WEIGHT	PRODUCT	MINIMUM LENGTH	ADD. LENGTH 1 RECUT	OUTSIDE DIAMETER min	OUTSIDE DIAMETER max	INSIDE DIAMETER min	INSIDE DIAMETER max	OUTSIDE DIAMETER min	OUTSIDE DIAMETER max	OUTSIDE DIAMETER min	OUTSIDE DIAMETER max	OUTSIDE DIAMETER min	OUTSIDE DIAMETER max	INSIDE DIAMETER min	INSIDE DIAMETER max
in.	lb/ft	---	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)
8.625	49.00	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.503 (190.58)	7.519 (190.98)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.043 (229.69)	9.063 (230.20)	7.602 (193.09)	7.618 (193.50)
	49.10	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.493 (190.32)	7.509 (190.73)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.047 (229.79)	9.067 (230.30)	7.594 (192.89)	7.610 (193.29)
	52.00	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.427 (188.65)	7.443 (189.05)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.091 (230.91)	9.111 (231.42)	7.563 (192.10)	7.579 (192.51)
	54.00	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.367 (187.12)	7.383 (187.53)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.130 (231.90)	9.150 (232.41)	7.516 (190.91)	7.532 (191.31)
	58.70	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.243 (183.97)	7.259 (184.38)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.209 (233.91)	9.229 (234.42)	7.405 (188.09)	7.421 (188.49)
	63.50	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	7.117 (180.77)	7.133 (181.18)	na (na)	na (na)	9.529 (242.03)	9.721 (246.92)	9.287 (235.89)	9.307 (236.40)	7.287 (185.09)	7.303 (185.50)
	68.10	TSH HW™	6.410 (162.81)	1.554 (39.48)	8.625 (219.08)	8.711 (221.27)	6.993 (177.62)	7.009 (178.03)	9.744 (247.50)	9.764 (248.01)	9.529 (242.03)	9.721 (246.92)	9.362 (237.79)	9.382 (238.30)	7.177 (182.30)	7.193 (182.70)
9.625	58.40	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.427 (214.05)	8.443 (214.45)	na (na)	na (na)	10.520 (267.20)	10.732 (272.60)	10.075 (255.91)	10.095 (256.41)	8.539 (216.89)	8.555 (217.30)
	59.40	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.399 (213.33)	8.415 (213.74)	na (na)	na (na)	10.520 (267.20)	10.732 (272.60)	10.094 (256.39)	10.114 (256.90)	8.539 (216.89)	8.555 (217.30)
	61.10	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.367 (212.52)	8.383 (212.93)	na (na)	na (na)	10.520 (267.20)	10.732 (272.60)	10.114 (256.90)	10.134 (257.40)	8.523 (216.48)	8.539 (216.89)
	64.90	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.273 (210.13)	8.289 (210.54)	na (na)	na (na)	10.520 (267.20)	10.732 (272.60)	10.177 (258.50)	10.197 (259.00)	8.437 (214.30)	8.453 (214.71)
	70.30	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.149 (206.98)	8.165 (207.39)	na (na)	na (na)	10.520 (267.20)	10.732 (272.60)	10.256 (260.50)	10.276 (261.01)	8.327 (211.51)	8.343 (211.91)
	75.60	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	8.023 (203.78)	8.039 (204.19)	10.705 (271.91)	10.725 (272.42)	10.520 (267.20)	10.732 (272.60)	10.335 (262.51)	10.355 (263.02)	8.209 (208.51)	8.225 (208.92)
	80.80	TSH HW™	6.658 (169.11)	1.554 (39.48)	9.625 (244.48)	9.721 (246.92)	7.899 (200.63)	7.915 (201.04)	10.815 (274.70)	10.835 (275.21)	10.520 (267.20)	10.732 (272.60)	10.413 (264.49)	10.433 (265.00)	8.098 (205.69)	8.114 (206.10)
10.750	60.70	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.650 (245.11)	9.666 (245.52)	na (na)	na (na)	11.633 (295.47)	11.868 (301.43)	na (na)	na (na)	9.677 (245.80)	9.693 (246.20)
	65.70	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.552 (242.62)	9.568 (243.03)	na (na)	na (na)	11.634 (295.52)	11.870 (301.49)	11.205 (284.61)	11.225 (285.12)	9.661 (245.39)	9.677 (245.80)
	73.20	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.398 (238.71)	9.414 (239.12)	na (na)	na (na)	11.634 (295.52)	11.870 (301.49)	11.307 (287.20)	11.327 (287.71)	9.559 (242.80)	9.575 (243.21)
	79.20	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.274 (235.56)	9.290 (235.97)	na (na)	na (na)	11.634 (295.52)	11.870 (301.49)	11.390 (289.31)	11.410 (289.81)	9.441 (239.80)	9.457 (240.21)
	85.30	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.148 (232.36)	9.164 (232.77)	11.839 (300.71)	11.859 (301.22)	11.634 (295.52)	11.870 (301.49)	11.469 (291.31)	11.489 (291.82)	9.323 (236.80)	9.339 (237.21)
	91.20	TSH HW™	6.712 (170.48)	1.554 (39.48)	10.750 (273.05)	10.858 (275.78)	9.024 (229.21)	9.040 (229.62)	11.949 (303.50)	11.969 (304.01)	11.634 (295.52)	11.870 (301.49)	11.547 (293.29)	11.567 (293.80)	9.228 (234.39)	9.244 (234.80)
	14.000	86.00	TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.792 (324.92)	12.808 (325.32)	na (na)	na (na)	14.695 (373.24)	14.991 (380.78)	14.472 (367.59)	14.492 (368.10)	12.913 (327.99)
93.00		TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.692 (322.38)	12.708 (322.78)	na (na)	na (na)	14.695 (373.24)	14.991 (380.78)	14.543 (369.39)	14.563 (369.90)	12.866 (326.80)	12.882 (327.20)
100.00		TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.592 (319.84)	12.608 (320.24)	14.953 (379.81)	14.973 (380.31)	14.695 (373.24)	14.991 (380.78)	14.614 (371.20)	14.634 (371.70)	12.779 (324.59)	12.795 (324.99)
106.00		TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.492 (317.30)	12.508 (317.70)	15.043 (382.09)	15.063 (382.60)	14.695 (373.24)	14.991 (380.78)	14.681 (372.90)	14.701 (373.41)	12.685 (322.20)	12.701 (322.61)
112.00		TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.392 (314.76)	12.408 (315.16)	15.130 (384.30)	15.150 (384.81)	14.695 (373.24)	14.991 (380.78)	14.752 (374.70)	14.772 (375.21)	12.598 (319.99)	12.614 (320.40)
120.00		TSH HW™	6.868 (174.45)	1.554 (39.48)	14.000 (355.60)	14.140 (359.16)	12.292 (312.22)	12.308 (312.62)	15.220 (386.59)	15.240 (387.10)	14.695 (373.24)	14.991 (380.78)	14.819 (376.40)	14.839 (376.91)	12.504 (317.60)	12.520 (318.01)

BLANK OD and ID: The nominal blank ODs and IDs in the Pin Diameters and Box Diameters columns are finished product dimensions. When this minimum material is supplied, the blank OD and the blank ID must be true to each other within 0.010" TIR (Total Indicator Runout). If the blank dimensions are not true to each other within 0.010" TIR, but sufficient material is available, the part may still be suitable for threading. If sufficient material is not available, the part will be returned unthreaded.

na: Not Applicable.

Blank spaces indicate product not currently available.