

TenarisHydril Blue® HW and TenarisHydril Blue® HW Dopeless® Blanking Dimensions



DESIGNATION					PIN							BOX									
					GENERAL							GENERAL							REGULAR		
DIAMETER	WEIGHT	WALL THICKNESS	PRODUCT	DRIFT	MINIMUM LENGTH	ADD. LENGTH 1RECUT	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	MINIMUM LENGTH	ADD. LENGTH 1RECUT	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	COUPLING LENGTH MIN	COUPLING LENGTH MAX	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	
in.	lb/ft	in.	---	in.	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	
7.625	47.10	0.625	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.250	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.317 (160.46)	6.341 (161.06)	5.724 (145.39)	1.883 (47.84)	6.278 (159.45)	6.301 (160.05)	10.880 (276.36)	11.077 (281.36)	8.351 (212.12)	8.391 (213.12)	N/A	N/A	
7.625	48.42	0.650	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.200	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.267 (159.19)	6.291 (159.79)	5.724 (145.39)	1.883 (47.84)	6.228 (158.18)	6.251 (158.78)	10.880 (276.36)	11.077 (281.36)	8.351 (212.12)	8.391 (213.12)	N/A	N/A	
7.625	51.20	0.687	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.126	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.209 (157.72)	6.233 (158.32)	5.724 (145.39)	1.883 (47.84)	6.154 (156.30)	6.177 (156.90)	10.880 (276.36)	11.077 (281.36)	8.351 (212.12)	8.391 (213.12)	N/A	N/A	
7.625	52.10	0.700	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.100	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.178 (156.93)	6.202 (157.53)	5.724 (145.39)	1.883 (47.84)	6.128 (155.64)	6.151 (156.24)	10.880 (276.36)	11.077 (281.36)	8.351 (212.12)	8.391 (213.12)	N/A	N/A	
7.625	55.30	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.000	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.118 (155.40)	6.142 (156.00)	5.724 (145.39)	1.883 (47.84)	6.057 (153.86)	6.081 (154.46)	10.880 (276.36)	11.077 (281.36)	8.472 (215.18)	8.511 (216.18)	8.330 (211.59)	8.350 (212.09)	
7.625	58.13	0.797	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.906	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.019 (152.89)	6.043 (153.49)	5.724 (145.39)	1.883 (47.84)	5.998 (152.34)	6.021 (152.94)	10.880 (276.36)	11.077 (281.36)	8.472 (215.18)	8.511 (216.18)	N/A	N/A	
7.625	58.31	0.800	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.900	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	6.013 (152.74)	6.037 (153.34)	5.724 (145.39)	1.883 (47.84)	5.994 (152.24)	6.017 (152.84)	10.880 (276.36)	11.077 (281.36)	8.472 (215.18)	8.511 (216.18)	N/A	N/A	
7.625	59.20	0.812	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.876	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	5.989 (152.13)	6.013 (152.73)	5.724 (145.39)	1.883 (47.84)	5.979 (151.86)	6.002 (152.46)	10.880 (276.36)	11.077 (281.36)	8.530 (216.66)	8.569 (217.66)	N/A	N/A	
7.625	61.50	0.850	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.800	5.803 (147.39)	1.903 (48.33)	7.625 (193.68)	7.701 (195.61)	5.913 (150.20)	5.937 (150.80)	5.724 (145.39)	1.883 (47.84)	5.931 (150.64)	5.954 (151.24)	10.880 (276.36)	11.077 (281.36)	8.530 (216.66)	8.569 (217.66)	N/A	N/A	
7.625	64.64	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.700	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.813 (147.66)	5.837 (148.26)	7.123 (180.94)	2.144 (54.46)	5.728 (145.48)	5.751 (146.08)	14.467 (367.46)	14.664 (372.46)	8.561 (217.44)	8.600 (218.44)	N/A	N/A	
7.625	64.95	0.905	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.690	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.803 (147.40)	5.827 (148.00)	7.123 (180.94)	2.144 (54.46)	5.718 (145.23)	5.741 (145.83)	14.467 (367.46)	14.664 (372.46)	8.567 (217.60)	8.606 (218.60)	N/A	N/A	
7.625	67.72	0.950	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.600	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.713 (145.12)	5.737 (145.72)	7.123 (180.94)	2.144 (54.46)	5.659 (143.75)	5.683 (144.35)	14.467 (367.46)	14.664 (372.46)	8.624 (219.06)	8.664 (220.06)	N/A	N/A	
7.625	70.76	1.000	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.500	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.613 (142.58)	5.637 (143.18)	7.123 (180.94)	2.144 (54.46)	5.604 (142.35)	5.628 (142.95)	14.467 (367.46)	14.664 (372.46)	8.686 (220.63)	8.726 (221.63)	N/A	N/A	
7.625	73.73	1.050	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.400	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.513 (140.04)	5.537 (140.64)	7.123 (180.94)	2.144 (54.46)	5.550 (140.96)	5.573 (141.56)	14.467 (367.46)	14.664 (372.46)	8.747 (222.17)	8.786 (223.17)	N/A	N/A	
7.625	76.66	1.100	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.300	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.413 (137.50)	5.437 (138.10)	7.123 (180.94)	2.144 (54.46)	5.495 (139.57)	5.519 (140.17)	14.467 (367.46)	14.664 (372.46)	8.806 (223.68)	8.846 (224.68)	N/A	N/A	
7.625	79.53	1.150	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.200	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.313 (134.96)	5.337 (135.56)	7.123 (180.94)	2.144 (54.46)	5.441 (138.20)	5.465 (138.80)	14.467 (367.46)	14.664 (372.46)	8.864 (225.14)	8.903 (226.14)	N/A	N/A	
7.625	82.34	1.200	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.100	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.213 (132.42)	5.237 (133.02)	7.123 (180.94)	2.144 (54.46)	5.388 (136.85)	5.411 (137.45)	14.467 (367.46)	14.664 (372.46)	8.920 (226.57)	8.959 (227.57)	N/A	N/A	
7.625	85.11	1.250	TSH BLUE® HW TSH BLUE® HW DOPELESS®	5.000	7.202 (182.94)	1.456 (36.97)	7.625 (193.68)	7.701 (195.61)	5.113 (129.88)	5.137 (130.48)	7.123 (180.94)	2.144 (54.46)	5.335 (135.50)	5.358 (136.10)	14.467 (367.46)	14.664 (372.46)	8.975 (227.96)	9.014 (228.96)	N/A	N/A	
8.625	63.50	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	7.000	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	7.113 (180.68)	7.137 (181.28)	6.647 (168.84)	2.086 (52.98)	7.117 (180.76)	7.140 (181.36)	13.515 (343.27)	13.711 (348.27)	9.524 (241.90)	9.563 (242.90)	N/A	N/A	
8.625	66.86	0.800	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.900	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	7.013 (178.14)	7.037 (178.74)	6.647 (168.84)	2.086 (52.98)	7.062 (179.37)	7.085 (179.97)	13.515 (343.27)	13.711 (348.27)	9.594 (243.68)	9.633 (244.68)	N/A	N/A	
8.625	70.58	0.850	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.800	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	6.913 (175.60)	6.937 (176.20)	6.647 (168.84)	2.086 (52.98)	7.007 (177.99)	7.031 (178.59)	13.515 (343.27)	13.711 (348.27)	9.663 (245.43)	9.702 (246.43)	N/A	N/A	
8.625	72.70	0.875	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.750	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	6.863 (174.33)	6.887 (174.93)	6.647 (168.84)	2.086 (52.98)	6.980 (177.30)	7.004 (177.90)	13.515 (343.27)	13.711 (348.27)	9.696 (246.29)	9.736 (247.29)	N/A	N/A	
8.625	74.25	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.700	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	6.813 (173.06)	6.837 (173.66)	6.647 (168.84)	2.086 (52.98)	6.954 (176.62)	6.977 (177.22)	13.515 (343.27)	13.711 (348.27)	9.730 (247.14)	9.769 (248.14)	N/A	N/A	
8.625	77.87	0.950	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.600	6.726 (170.85)	1.903 (48.33)	8.625 (219.08)	8.711 (221.27)	6.713 (170.52)	6.737 (171.12)	6.647 (168.84)	2.086 (52.98)	6.900 (175.25)	6.923 (175.85)	13.515 (343.27)	13.711 (348.27)	9.796 (248.81)	9.835 (249.81)	N/A	N/A	
8.625	81.44	1.000	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.500	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.613 (167.98)	6.637 (168.58)	7.250 (184.15)	2.157 (54.79)	6.593 (167.46)	6.617 (168.06)	14.720 (373.89)	14.917 (378.89)	9.702 (246.44)	9.742 (247.44)	N/A	N/A	
8.625	83.20	1.025	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.450	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.563 (166.71)	6.587 (167.31)	7.250 (184.15)	2.157 (54.79)	6.565 (166.76)	6.589 (167.36)	14.720 (373.89)	14.917 (378.89)	9.735 (247.26)	9.774 (248.26)	N/A	N/A	
8.625	84.95	1.050	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.400	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.513 (165.44)	6.537 (166.04)	7.250 (184.15)	2.157 (54.79)	6.538 (166.06)	6.561 (166.66)	14.720 (373.89)	14.917 (378.89)	9.766 (248.06)	9.806 (249.06)	N/A	N/A	
8.625	88.40	1.100	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.300	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.413 (162.90)	6.437 (163.50)	7.250 (184.15)	2.157 (54.79)	6.483 (164.67)	6.507 (165.27)	14.720 (373.89)	14.917 (378.89)	9.829 (249.66)	9.869 (250.66)	N/A	N/A	
8.625	91.81	1.150	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.200	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.313 (160.36)	6.337 (160.96)	7.250 (184.15)	2.157 (54.79)	6.429 (163.30)	6.453 (163.90)	14.720 (373.89)	14.917 (378.89)	9.890 (251.21)	9.930 (252.21)	N/A	N/A	
8.625	95.16	1.200	TSH BLUE® HW TSH BLUE® HW DOPELESS®	6.100	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.213 (157.82)	6.237 (158.42)	7.250 (184.15)	2.157 (54.79)	6.375 (161.93)	6.399 (162.53)	14.720 (373.89)	14.917 (378.89)	9.950 (252.74)	9.990 (253.74)	N/A	N/A	
8.625	98.46	1.250	TSH BLUE® HW TSH BLUE® HW DOPELESS®	4.937	7.329 (186.15)	1.456 (36.97)	8.625 (219.08)	8.711 (221.27)	6.113 (155.28)	6.137 (155.88)	7.250 (184.15)	2.157 (54.79)	6.322 (160.57)	6.345 (161.17)	14.720 (373.89)	14.917 (378.89)	10.009 (254.23)	10.048 (255.23)	N/A	N/A	
9.625	71.80	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	7.969	6.788 (172.42)	1.903 (48.33)	9.625 (244.48)	9.721 (246.92)	8.113 (206.08)	8.137 (206.68)	6.709 (170.41)	2.154 (54.70)	8.093 (205.56)	8.117 (206.16)	13.638 (346.41)	13.835 (351.41)	10.514 (267.06)	10.554 (268.06)	N/A	N/A	
9.625	75.60	0.797	TSH BLUE® HW TSH BLUE® HW DOPELESS®	7.875	6.788 (172.42)	1.903 (48.33)	9.625 (244.48)	9.721 (246.92)	8.019 (203.69)	8.043 (204.29)	6.709 (170.41)	2.154 (54.70)	8.041 (204.25)	8.065 (204.85)	13.638 (346.41)	13.835 (351.41)	10.583 (268.80)	10.622 (269.80)	N/A	N/A	
9.625	75.90	0.800	TSH BLUE® HW TSH BLUE® HW DOPELESS®	7.869	6.788 (172.42)	1.903 (48.33)	9.625 (244.48)	9.721 (246.92)	8.013 (203.54)	8.037 (204.14)	6.709 (170.41)	2.154 (54.70)	8.038 (204.17)	8.062 (204.77)	13.638 (346.41)	13.835 (351.41)	10.587 (268.91)	10.626 (269.91)	N/A	N/A	
9.625	79.66	0.850	TSH BLUE																		

TenarisHydril Blue® HW and TenarisHydril Blue® HW Dopeless® Blanking Dimensions



DESIGNATION					PIN						BOX									
					GENERAL						GENERAL						REGULAR			
DIAMETER	WEIGHT	WALL THICKNESS	PRODUCT	DRIFT	MINIMUM LENGTH	ADD. LENGTH 1RECUT	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	MINIMUM LENGTH	ADD. LENGTH 1RECUT	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	COUPLING LENGTH MIN	COUPLING LENGTH MAX	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX
in.	lb/ft	in.	---	in.	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)
10.125	88.81	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.169	6.988 (177.50)	1.774 (45.07)	10.125 (257.18)	10.226 (259.75)	8.313 (211.16)	8.337 (211.76)	6.909 (175.49)	2.221 (56.42)	8.333 (211.66)	8.357 (212.26)	14.038 (356.57)	14.235 (361.57)	11.156 (283.36)	11.195 (284.36)	N/A	N/A
10.125	93.24	0.950	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.069	6.988 (177.50)	1.774 (45.07)	10.125 (257.18)	10.226 (259.75)	8.213 (208.62)	8.237 (209.22)	6.909 (175.49)	2.221 (56.42)	8.283 (210.40)	8.307 (211.00)	14.038 (356.57)	14.235 (361.57)	11.226 (285.14)	11.265 (286.14)	N/A	N/A
10.750	80.80	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.096	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	9.172 (232.96)	9.195 (233.56)	6.988 (177.49)	2.194 (55.73)	9.123 (231.73)	9.147 (232.33)	13.409 (340.58)	13.606 (345.58)	11.415 (293.93)	11.454 (294.93)	N/A	N/A
10.750	85.30	0.797	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.002	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	9.078 (230.57)	9.101 (231.17)	6.988 (177.49)	2.194 (55.73)	9.029 (229.34)	9.053 (229.94)	13.409 (340.58)	13.606 (345.58)	11.477 (291.52)	11.517 (292.52)	N/A	N/A
10.750	85.30	0.797	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.100	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	9.145 (232.28)	9.169 (232.88)	6.988 (177.49)	2.194 (55.73)	9.128 (231.84)	9.151 (232.44)	13.409 (340.58)	13.606 (345.58)	11.477 (291.52)	11.517 (292.52)	N/A	N/A
10.750	90.30	0.850	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.896	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.981 (228.12)	9.005 (228.72)	6.988 (177.49)	2.194 (55.73)	8.923 (226.65)	8.947 (227.25)	13.409 (340.58)	13.606 (345.58)	11.546 (293.28)	11.586 (294.28)	N/A	N/A
10.750	91.20	0.859	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.878	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.972 (227.89)	8.996 (228.49)	6.988 (177.49)	2.194 (55.73)	8.905 (226.19)	8.929 (226.79)	13.409 (340.58)	13.606 (345.58)	11.558 (293.58)	11.598 (294.58)	N/A	N/A
10.750	94.68	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.796	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.931 (226.85)	8.955 (227.45)	6.988 (177.49)	2.194 (55.73)	8.823 (224.11)	8.847 (224.71)	13.409 (340.58)	13.606 (345.58)	11.611 (294.92)	11.650 (295.92)	N/A	N/A
10.750	96.79	0.922	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.752	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.894 (225.91)	8.918 (226.51)	6.988 (177.49)	2.194 (55.73)	8.796 (223.42)	8.820 (224.02)	13.409 (340.58)	13.606 (345.58)	11.639 (295.63)	11.678 (296.63)	N/A	N/A
10.750	100.40	0.960	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.676	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.818 (223.98)	8.842 (224.58)	6.988 (177.49)	2.194 (55.73)	8.754 (222.35)	8.778 (222.95)	13.409 (340.58)	13.606 (345.58)	11.687 (296.85)	11.726 (297.85)	N/A	N/A
10.750	100.40	0.960	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.750	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.806 (223.66)	8.829 (224.26)	6.988 (177.49)	2.194 (55.73)	8.817 (223.95)	8.841 (224.55)	13.409 (340.58)	13.606 (345.58)	11.687 (296.85)	11.726 (297.85)	N/A	N/A
10.750	102.63	0.984	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.628	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.770 (222.76)	8.794 (223.36)	6.988 (177.49)	2.194 (55.73)	8.728 (221.68)	8.751 (222.28)	13.409 (340.58)	13.606 (345.58)	11.717 (296.61)	11.756 (297.61)	N/A	N/A
10.750	104.13	1.000	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.596	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.738 (221.95)	8.762 (222.55)	6.988 (177.49)	2.194 (55.73)	8.710 (221.23)	8.733 (221.83)	13.409 (340.58)	13.606 (345.58)	11.737 (298.11)	11.776 (299.11)	N/A	N/A
10.750	107.20	1.033	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.530	7.067 (179.50)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.672 (220.27)	8.696 (220.87)	6.988 (177.49)	2.194 (55.73)	8.673 (220.30)	8.697 (220.90)	13.409 (340.58)	13.606 (345.58)	11.777 (299.14)	11.817 (300.14)	N/A	N/A
10.750	108.78	1.050	TSH BLUE® HW TSH BLUE® HW DOPELESS®	8.600	8.688 (220.67)	1.774 (45.07)	10.750 (273.05)	10.858 (275.78)	8.638 (219.41)	8.662 (220.01)	8.609 (218.67)	2.406 (61.11)	8.638 (219.40)	8.661 (220.00)	17.438 (442.93)	17.635 (447.93)	11.580 (294.13)	11.600 (294.63)	N/A	N/A
10.875	72.00	0.656	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.500	6.024 (153.01)	1.774 (45.07)	10.875 (278.23)	10.984 (279.99)	9.551 (242.61)	9.575 (243.21)	5.945 (151.01)	2.091 (53.12)	9.528 (242.00)	9.551 (242.60)	12.110 (307.60)	12.307 (312.60)	11.654 (296.04)	10.512 (267.00)	N/A	N/A
11.750	88.11	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	10.096	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	10.172 (258.36)	10.195 (258.96)	7.216 (183.30)	2.348 (59.63)	10.123 (257.13)	10.147 (257.73)	13.866 (352.19)	14.063 (357.19)	12.416 (315.37)	12.456 (316.37)	N/A	N/A
11.750	93.23	0.797	TSH BLUE® HW TSH BLUE® HW DOPELESS®	10.002	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	10.078 (256.97)	10.101 (257.57)	7.216 (183.30)	2.348 (59.63)	10.029 (254.74)	10.053 (255.34)	13.866 (352.19)	14.063 (357.19)	12.480 (316.99)	12.519 (317.99)	N/A	N/A
11.750	98.95	0.850	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.896	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.980 (253.48)	10.003 (254.08)	7.216 (183.30)	2.348 (59.63)	9.923 (252.05)	9.947 (252.65)	13.866 (352.19)	14.063 (357.19)	12.551 (318.79)	12.590 (319.79)	N/A	N/A
11.750	99.92	0.859	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.878	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.970 (253.25)	9.994 (253.85)	7.216 (183.30)	2.348 (59.63)	9.905 (251.59)	9.929 (252.19)	13.866 (352.19)	14.063 (357.19)	12.563 (319.03)	12.602 (320.09)	N/A	N/A
11.750	104.29	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.796	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.938 (252.43)	9.962 (253.03)	7.216 (183.30)	2.348 (59.63)	9.823 (249.51)	9.847 (250.11)	13.866 (352.19)	14.063 (357.19)	12.617 (320.46)	12.656 (321.46)	N/A	N/A
11.750	106.62	0.922	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.752	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.894 (251.31)	9.918 (251.91)	7.216 (183.30)	2.348 (59.63)	9.796 (248.81)	9.819 (249.41)	13.866 (352.19)	14.063 (357.19)	12.645 (321.19)	12.685 (322.19)	N/A	N/A
11.750	109.05	0.945	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.706	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.848 (250.14)	9.872 (250.74)	7.216 (183.30)	2.348 (59.63)	9.770 (248.16)	9.794 (248.76)	13.866 (352.19)	14.063 (357.19)	12.675 (321.95)	12.715 (322.95)	N/A	N/A
11.750	118.23	1.033	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.530	7.295 (185.30)	1.774 (45.07)	11.750 (298.45)	11.868 (301.43)	9.672 (245.67)	9.696 (246.27)	7.216 (183.30)	2.348 (59.63)	9.673 (245.69)	9.696 (246.29)	13.866 (352.19)	14.063 (357.19)	12.787 (324.79)	12.826 (325.79)	N/A	N/A
12.250	120.33	1.000	TSH BLUE® HW TSH BLUE® HW DOPELESS®	10.094	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	10.238 (260.05)	10.262 (260.65)	7.734 (196.44)	2.447 (62.15)	10.139 (257.54)	10.163 (258.14)	15.687 (398.46)	15.884 (403.46)	13.395 (340.24)	13.435 (341.24)	N/A	N/A
12.250	125.78	1.050	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.994	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	10.138 (257.51)	10.162 (258.11)	7.734 (196.44)	2.447 (62.15)	10.084 (256.13)	10.107 (256.73)	15.687 (398.46)	15.884 (403.46)	13.467 (342.07)	13.507 (343.07)	N/A	N/A
12.250	131.18	1.100	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.894	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	10.038 (254.97)	10.062 (255.57)	7.734 (196.44)	2.447 (62.15)	10.029 (254.73)	10.052 (255.33)	15.687 (398.46)	15.884 (403.46)	13.538 (343.87)	13.578 (344.87)	N/A	N/A
12.250	133.87	1.125	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.844	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	9.988 (253.70)	10.012 (254.30)	7.734 (196.44)	2.447 (62.15)	10.001 (254.03)	10.025 (254.63)	15.687 (398.46)	15.884 (403.46)	13.573 (344.76)	13.613 (345.76)	N/A	N/A
12.250	136.53	1.150	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.772	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	9.938 (252.43)	9.962 (253.03)	7.734 (196.44)	2.447 (62.15)	9.974 (253.33)	9.997 (253.93)	15.687 (398.46)	15.884 (403.46)	13.608 (345.65)	13.648 (346.65)	N/A	N/A
12.250	141.83	1.200	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.694	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	9.838 (249.89)	9.862 (250.49)	7.734 (196.44)	2.447 (62.15)	9.919 (251.94)	9.943 (252.54)	15.687 (398.46)	15.884 (403.46)	13.677 (347.40)	13.717 (348.40)	N/A	N/A
12.250	141.07	1.250	TSH BLUE® HW TSH BLUE® HW DOPELESS®	9.594	7.812 (198.44)	1.774 (45.07)	12.250 (311.15)	12.373 (314.26)	9.738 (247.35)	9.762 (247.95)	7.734 (196.44)	2.447 (62.15)	9.865 (250.56)	9.888 (251.16)	15.687 (398.46)	15.884 (403.46)	13.745 (349.12)	13.784 (350.12)	N/A	N/A
14.000	106.00	0.750	TSH BLUE® HW TSH BLUE® HW DOPELESS®	12.313	6.939 (176.25)	1.774 (45.07)	14.000 (355.60)	14.140 (359.16)	12.432 (315.78)	12.456 (316.38)	6.860 (174.25)	2.472 (62.80)	12.346 (313.60)	12.370 (314.20)	13.153 (334.09)	13.350 (339.09)	14.759 (374.88)	14.798 (375.88)	N/A	N/A
14.000	114.00	0.800	TSH BLUE® HW TSH BLUE® HW DOPELESS®	12.213	6.939 (176.25)	1.774 (45.07)	14.000 (355.60)	14.140 (359.16)	12.387 (314.63)	12.411 (315.23)	6.860 (174.25)	2.472 (62.80)	12.280 (311.91)	12.304 (312.51)	13.153 (334.09)	13.350 (339.09)	14.759 (374.88)	14.798 (375.88)	N/A	N/A
14.000	120.00	0.850	TSH BLUE® HW TSH BLUE® HW DOPELESS®	12.113	6.939 (176.25)	1.774 (45.07)	14.000 (355.60)	14.140 (359.16)	12.288 (312.12)	12.312 (312.72)	6.860 (174.25)	2.472 (62.80)	12.230 (310.63)	12.253 (311.23)	13.153 (334.09)	13.350 (339.09)	14.964 (380.09)	15.004 (381.09)	N/A	N/A
14.000	125.92	0.900	TSH BLUE® HW TSH BLUE® HW DOPELESS®	12.013	6.939 (176.25)	1.774 (45.07)	14.000 (355.60)	14.140 (359.16)	12.188 (309.58)	12.212 (310.18)	6.860 (174.25)	2.472 (62.80)	12.179 (309.35)	12.203 (309.95)	13.153 (334.09)	13.350 (339.09)	14.964 (380.09)	15.004 (381.09)	N/A	N/A
14.000	137.41	0.950	TSH BLUE® HW TSH BLUE® HW DOPELESS®	11.913	6.939 (176.25)	1.774 (45.07)	14.000 (355.60)	14.140 (359.16)	12.088 (307.04)	12.112 (307.64)	6.860 (174.25)	2.472 (62.80)	12.130 (308.09)	12.153 (308.69)	13.153 (334.09)	13.350 (339.09)	14.964 (380.09)			