

TenarisHydril ER™ TenarisHydril ER™ DOPELESS® Blanking Dimensions



DESIGNATION					GENERAL		PIN				BOX									
DIAMETER	WEIGHT	WALL THICKNESS	PRODUCT	DRIFT	ADD. LENGTH 1 RECUT	MINIMUM LENGTH	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	GENERAL				Regular		Special Clearance		Matched Strength	
											INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	MINIMUM COUPLING LENGTH	MAXIMUM COUPLING LENGTH	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER 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)
7.000	23.00	0.317	TSH ER™ TSH ER™ DOPELESS®	6.241	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	6.354 (161.39)	6.378 (162.00)	6.386 (162.20)	6.409 (162.80)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.416 (188.36)	7.455 (189.36)
7.000	26.00	0.362	TSH ER™ TSH ER™ DOPELESS®	6.151	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	6.264 (159.11)	6.288 (159.72)	6.327 (160.70)	6.350 (161.30)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.492 (190.30)	7.531 (191.30)
7.000	29.00	0.408	TSH ER™ TSH ER™ DOPELESS®	6.059	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	6.172 (156.77)	6.196 (157.38)	6.260 (159.00)	6.283 (159.60)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.568 (192.23)	7.607 (193.23)
7.000	32.00	0.453	TSH ER™ TSH ER™ DOPELESS®	5.969	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	6.082 (154.48)	6.106 (155.09)	6.220 (158.00)	6.244 (158.60)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.641 (194.07)	7.680 (195.07)
7.000	35.00	0.498	TSH ER™ TSH ER™ DOPELESS®	5.879	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	5.992 (152.20)	6.016 (152.81)	6.181 (157.00)	6.205 (157.60)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.711 (195.87)	7.751 (196.87)
7.000	38.00	0.540	TSH ER™ TSH ER™ DOPELESS®	5.795	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	5.908 (150.06)	5.932 (150.67)	6.150 (156.20)	6.173 (156.80)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.776 (197.52)	7.816 (198.52)
7.000	41.00	0.590	TSH ER™ TSH ER™ DOPELESS®	5.695	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	5.808 (147.52)	5.832 (148.13)	6.110 (155.20)	6.134 (155.80)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.851 (199.42)	7.891 (200.42)
7.000	44.00	0.640	TSH ER™ TSH ER™ DOPELESS®	5.595	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	5.708 (144.98)	5.732 (145.59)	6.071 (154.20)	6.094 (154.80)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.924 (201.28)	7.964 (202.28)
7.000	46.00	0.670	TSH ER™ TSH ER™ DOPELESS®	5.535	1.825 (46.35)	5.234 (132.96)	7.000 (177.80)	7.070 (179.58)	5.648 (143.46)	5.672 (144.07)	6.071 (154.20)	6.094 (154.80)	10.000 (254.00)	10.197 (259.00)	7.581 (192.56)	7.734 (196.45)	7.359 (186.93)	7.407 (188.13)	7.967 (202.37)	8.007 (203.37)
8.625	24.00	0.264	TSH ER™ TSH ER™ DOPELESS®	7.972	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	8.039 (204.20)	8.039 (204.20)	8.039 (204.20)	8.063 (204.80)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.125 (231.78)	9.165 (232.78)
8.625	28.00	0.304	TSH ER™ TSH ER™ DOPELESS®	7.892	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.996 (203.10)	7.996 (203.10)	7.996 (203.10)	8.020 (203.70)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.125 (231.78)	9.165 (232.78)
8.625	32.00	0.352	TSH ER™ TSH ER™ DOPELESS®	7.796	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.909 (200.89)	7.933 (201.50)	7.969 (202.40)	7.992 (203.00)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.125 (231.78)	9.165 (232.78)
8.625	36.00	0.400	TSH ER™ TSH ER™ DOPELESS®	7.700	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.813 (198.45)	7.837 (199.06)	7.870 (199.90)	7.894 (200.50)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.168 (232.86)	9.207 (233.86)
8.625	40.00	0.450	TSH ER™ TSH ER™ DOPELESS®	7.600	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.713 (195.91)	7.737 (196.52)	7.835 (199.00)	7.858 (199.60)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.252 (235.01)	9.292 (236.01)
8.625	44.00	0.500	TSH ER™ TSH ER™ DOPELESS®	7.500	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.613 (193.37)	7.637 (193.98)	7.795 (198.00)	7.819 (198.60)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.335 (237.11)	9.374 (238.11)
8.625	49.00	0.557	TSH ER™ TSH ER™ DOPELESS®	7.386	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.499 (190.47)	7.523 (191.08)	7.752 (196.90)	7.776 (197.50)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.427 (239.44)	9.466 (240.44)
8.625	52.00	0.595	TSH ER™ TSH ER™ DOPELESS®	7.310	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.423 (188.54)	7.447 (189.15)	7.705 (195.70)	7.728 (196.30)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.487 (240.97)	9.526 (241.97)
8.625	54.00	0.625	TSH ER™ TSH ER™ DOPELESS®	7.250	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.363 (187.02)	7.387 (187.63)	7.705 (195.70)	7.728 (196.30)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.533 (242.15)	9.573 (243.15)
8.625	58.70	0.687	TSH ER™ TSH ER™ DOPELESS®	7.126	1.825 (46.35)	5.549 (140.96)	8.625 (219.08)	8.711 (221.27)	7.239 (183.87)	7.263 (184.48)	7.634 (193.90)	7.657 (194.50)	10.626 (269.90)	10.823 (274.90)	9.530 (242.06)	9.722 (246.95)	9.109 (231.38)	9.157 (232.58)	9.628 (244.56)	9.668 (245.56)
9.625	36.00	0.352	TSH ER™ TSH ER™ DOPELESS®	8.765	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.909 (226.29)	8.933 (226.90)	8.961 (227.60)	8.984 (228.20)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.125 (257.18)	10.165 (258.18)
9.625	40.00	0.395	TSH ER™ TSH ER™ DOPELESS®	8.679	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.823 (224.10)	8.847 (224.71)	8.878 (225.50)	8.902 (226.10)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.163 (258.14)	10.202 (259.14)
9.625	43.50	0.435	TSH ER™ TSH ER™ DOPELESS®	8.599	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.743 (222.07)	8.767 (222.68)	8.827 (224.20)	8.850 (224.80)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.232 (259.89)	10.271 (260.89)
9.625	47.00	0.472	TSH ER™ TSH ER™ DOPELESS®	8.525	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.669 (220.19)	8.693 (220.80)	8.795 (223.40)	8.819 (224.00)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.295 (261.49)	10.334 (262.49)
9.625	53.50	0.545	TSH ER™ TSH ER™ DOPELESS®	8.379	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.523 (216.48)	8.547 (217.09)	8.736 (221.90)	8.760 (222.50)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.416 (264.57)	10.456 (265.57)
9.625	58.40	0.595	TSH ER™ TSH ER™ DOPELESS®	8.279	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.423 (213.94)	8.447 (214.55)	8.693 (220.80)	8.717 (221.40)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.497 (266.62)	10.536 (267.62)
9.625	59.40	0.609	TSH ER™ TSH ER™ DOPELESS®	8.251	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.395 (213.23)	8.419 (213.84)	8.693 (220.80)	8.717 (221.40)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.520 (267.21)	10.559 (268.21)
9.625	61.10	0.625	TSH ER™ TSH ER™ DOPELESS®	8.219	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.363 (212.42)	8.387 (213.03)	8.677 (220.40)	8.701 (221.00)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.545 (267.84)	10.584 (268.84)
9.625	64.90	0.672	TSH ER™ TSH ER™ DOPELESS®	8.125	1.825 (46.35)	5.549 (140.96)	9.625 (244.48)	9.721 (246.92)	8.269 (210.03)	8.293 (210.64)	8.642 (219.50)	8.665 (220.10)	10.626 (269.90)	10.823 (274.90)	10.520 (267.20)	10.732 (272.60)	10.109 (256.78)	10.157 (257.98)	10.619 (269.72)	10.658 (270.72)
9.875	62.80	0.625	TSH ER™ TSH ER™ DOPELESS®	8.469	1.825 (46.35)	5.549 (140.96)	9.875 (250.83)	9.974 (253.33)	8.613 (218.77)	8.637 (219.38)	9.043 (229.70)	9.067 (230.30)	10.626 (269.90)	10.823 (274.90)	10.719 (272.25)	10.935 (277.75)	N/A	N/A	N/A	N/A
10.750	45.50	0.400	TSH ER™ TSH ER™ DOPELESS®	9.794 & 9.950	1.825 (46.35)	5.549 (140.96)	10.750 (273.05)	10.858 (275.78)	9.938 (252.43)	9.962 (253.03)	9.965 (253.10)	9.996 (253.90)	10.626 (269.90)	10.823 (274.90)	11.631 (295.42)	11.866 (301.38)	11.234 (285.35)	11.281 (286.55)	11.304 (287.12)	11.343 (288.12)
10.750	51.00	0.450	TSH ER™ TSH ER™ DOPELESS®	9.694	1.825 (46.35)	5.549 (140.96)	10.750 (273.05)	10.858 (275.78)	9.838 (249.89)	9.862 (250.49)	9.965 (253.10)	9.996 (253.90)	10.626 (269.90)	10.823 (274.90)	11.631 (295.42)	11.866 (301.38)	11.234 (285.35)	11.281 (286.55)	11.391 (289.33)	11.430 (290.33)
10.750	55.50	0.495	TSH ER™ TSH ER™ DOPELESS®	9.604	1.825 (46.35)	5.549 (140.96)	10.750 (273.05)	10.858 (275.78)	9.748 (247.60)	9.772 (248.21)	9.965 (253.10)	9.996 (253.90)	10.626 (269.90)	10.823 (274.90)	11.631 (295.42)	11.866 (301.38)	11.234 (285.35)	11.281 (286.55)	11.468 (291.29)	11.507 (292.29)
10.750	60.70	0.545	TSH ER™ TSH ER™ DOPELESS®	9.504	1.825 (46.35)	5.549 (140.96)	10.750 (273.05)	10.858 (275.78)	9.648 (245.06)	9.672 (245.67)	9.748 (247.60)	9.780 (248.40)	10.626 (269.90)	10.823 (274.90)	11.631 (295.42)	11.866 (301.38)	11.234 (285.35)	11.281 (286.55)	11.552 (293.42)	11.591 (294.42)
10.750	65.70	0.595	TSH ER™ TSH ER™ DOPELESS®	9.404	1.825 (46.35)	5.549 (140.96)	10.750 (273.05)	10.858 (275.78)	9.548 (242.52)	9.572 (243.13)	9.748 (247.60)	9.780 (248.40)	10.626 (269.90)	10.823 (274.90)	11.631 (295.42)	11.866 (301.38)	11.234 (285.35)	11.281 (286.55)	11.635 (295.53)	11.674 (296.53)
11.875	71.80	0.582	TSH ER™ TSH ER™ DOPELESS®	10.555	1.825 (46.35)	5.549 (140.96)	11.875 (301.63)	11												

TenarisHydril ER™ TenarisHydril ER™ DOPELESS® Blanking Dimensions



DESIGNATION					GENERAL		PIN				BOX									
DIAMETER	WEIGHT	WALL THICKNESS	PRODUCT	DRIFT	ADD. LENGTH 1 RECUT	MINIMUM LENGTH	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER MAX	INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	GENERAL				Regular		Special Clearance		Matched Strength	
											INSIDE DIAMETER MIN	INSIDE DIAMETER MAX	MINIMUM COUPLING LENGTH	MAXIMUM COUPLING LENGTH	OUTSIDE DIAMETER MIN	OUTSIDE DIAMETER 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)
16.000	104.00	0.625	TSH ER™ TSH ER™ DOPELESS®	14.563	1.430 (36.32)	5.549 (140.96)	16.000 (406.40)	16.160 (410.46)	14.738 (374.35)	14.762 (374.95)	14.882 (378.00)	14.961 (380.00)	10.626 (269.90)	10.823 (274.90)	16.874 (428.60)	17.126 (435.00)	N/A	N/A	16.833 (427.56)	16.872 (428.56)
16.000	109.00	0.656	TSH ER™ TSH ER™ DOPELESS®	14.501	1.430 (36.32)	5.549 (140.96)	16.000 (406.40)	16.160 (410.46)	14.676 (372.77)	14.700 (373.38)	14.862 (377.50)	14.941 (379.50)	10.626 (269.90)	10.823 (274.90)	16.874 (428.60)	17.126 (435.00)	16.638 (422.61)	16.685 (423.81)	16.878 (428.70)	16.917 (429.70)
16.000	118.00	0.715	TSH ER™ TSH ER™ DOPELESS®	14.383	1.430 (36.32)	6.337 (160.96)	16.000 (406.40)	16.160 (410.46)	14.558 (369.77)	14.582 (370.38)	14.705 (373.50)	14.783 (375.50)	12.205 (310.00)	12.402 (315.00)	16.874 (428.60)	17.126 (435.00)	N/A	N/A	16.889 (428.98)	16.928 (429.98)
16.000	128.00	0.781	TSH ER™ TSH ER™ DOPELESS®	14.251	1.430 (36.32)	6.337 (160.96)	16.000 (406.40)	16.160 (410.46)	14.426 (366.42)	14.450 (367.03)	14.665 (372.50)	14.744 (374.50)	12.205 (310.00)	12.402 (315.00)	16.874 (428.60)	17.126 (435.00)	N/A	N/A	17.002 (431.85)	17.041 (432.85)
18.625	87.50	0.435	TSH ER™ TSH ER™ DOPELESS®	17.568	1.430 (36.32)	5.057 (128.46)	18.625 (473.08)	18.811 (477.81)	17.743 (450.67)	17.767 (451.28)	17.764 (451.20)	17.843 (453.20)	9.646 (245.00)	9.843 (250.00)	19.874 (504.80)	20.126 (511.20)	19.606 (498.00)	19.685 (500.00)	19.171 (486.94)	19.210 (487.94)
18.625	94.50	0.468	TSH ER™ TSH ER™ DOPELESS®	17.502	1.430 (36.32)	5.057 (128.46)	18.625 (473.08)	18.811 (477.81)	17.677 (449.00)	17.701 (449.61)	17.724 (450.20)	17.803 (452.20)	9.646 (245.00)	9.843 (250.00)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.232 (488.49)	19.271 (489.49)
18.625	96.50	0.485	TSH ER™ TSH ER™ DOPELESS®	17.468	1.430 (36.32)	5.057 (128.46)	18.625 (473.08)	18.811 (477.81)	17.643 (448.13)	17.667 (448.74)	17.724 (450.20)	17.803 (452.20)	9.646 (245.00)	9.843 (250.00)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.263 (489.28)	19.302 (490.28)
18.625	99.00	0.500	TSH ER™ TSH ER™ DOPELESS®	17.438	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.618 (447.50)	17.618 (447.50)	17.618 (447.50)	17.697 (449.50)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.232 (488.49)	19.271 (489.49)
18.625	105.00	0.522	TSH ER™ TSH ER™ DOPELESS®	17.393	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.539 (445.50)	17.539 (445.50)	17.618 (447.50)	17.697 (449.50)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	N/A	N/A
18.625	106.50	0.540	TSH ER™ TSH ER™ DOPELESS®	17.357	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.504 (444.60)	17.504 (444.60)	17.618 (447.50)	17.697 (449.50)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	N/A	N/A
18.625	114.00	0.579	TSH ER™ TSH ER™ DOPELESS®	17.280	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.455 (443.36)	17.479 (443.97)	17.539 (445.50)	17.618 (447.50)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.376 (492.15)	19.415 (493.15)
18.625	115.00	0.594	TSH ER™ TSH ER™ DOPELESS®	17.250	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.425 (442.60)	17.449 (443.20)	17.539 (445.50)	17.618 (447.50)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	19.071 (484.41)	19.150 (486.41)	19.403 (492.84)	19.442 (493.84)
18.625	124.00	0.625	TSH ER™ TSH ER™ DOPELESS®	17.188	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.363 (441.02)	17.387 (441.63)	17.520 (445.00)	17.598 (447.00)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	N/A	N/A
18.625	126.00	0.636	TSH ER™ TSH ER™ DOPELESS®	17.166	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.341 (440.46)	17.365 (441.07)	17.520 (445.00)	17.598 (447.00)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.478 (494.74)	19.517 (495.74)
18.625	136.00	0.693	TSH ER™ TSH ER™ DOPELESS®	17.052	1.430 (36.32)	5.549 (140.96)	18.625 (473.08)	18.811 (477.81)	17.227 (437.57)	17.251 (438.18)	17.520 (445.00)	17.598 (447.00)	10.626 (269.90)	10.823 (274.90)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.579 (497.31)	19.618 (498.31)
18.625	139.00	0.720	TSH ER™ TSH ER™ DOPELESS®	16.998	1.430 (36.32)	6.337 (160.96)	18.625 (473.08)	18.811 (477.81)	17.173 (436.19)	17.197 (436.80)	17.283 (439.00)	17.362 (441.00)	12.205 (310.00)	12.402 (315.00)	19.874 (504.80)	20.126 (511.20)	N/A	N/A	19.535 (496.19)	19.574 (497.19)
20.000	94.00	0.438	TSH ER™ TSH ER™ DOPELESS®	18.937	1.430 (36.32)	5.057 (128.46)	20.000 (508.00)	20.200 (513.08)	19.112 (485.44)	19.136 (486.05)	19.138 (486.10)	19.217 (488.10)	9.646 (245.00)	9.843 (250.00)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.553 (522.05)	20.592 (523.05)
20.000	106.50	0.500	TSH ER™ TSH ER™ DOPELESS®	18.813	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.972 (481.90)	18.972 (481.90)	18.972 (481.90)	19.051 (483.90)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.609 (523.47)	20.648 (524.47)
20.000	118.50	0.563	TSH ER™ TSH ER™ DOPELESS®	18.687	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.862 (479.09)	18.886 (479.70)	18.925 (480.70)	19.004 (482.70)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.724 (526.39)	20.763 (527.39)
20.000	131.50	0.625	TSH ER™ TSH ER™ DOPELESS®	18.563	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.738 (475.95)	18.762 (476.55)	18.878 (479.50)	18.957 (481.50)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.837 (529.25)	20.876 (530.25)
20.000	133.00	0.635	TSH ER™ TSH ER™ DOPELESS®	18.543	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.718 (475.44)	18.742 (476.05)	18.878 (479.50)	18.957 (481.50)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.854 (529.70)	20.894 (530.70)
20.000	147.00	0.709	TSH ER™ TSH ER™ DOPELESS®	18.395	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.570 (471.68)	18.594 (472.29)	18.819 (478.00)	18.898 (480.00)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	20.987 (533.06)	21.026 (534.06)
20.000	156.00	0.750	TSH ER™ TSH ER™ DOPELESS®	18.313	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.488 (469.60)	18.512 (470.20)	18.787 (477.20)	18.866 (479.20)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	21.059 (534.89)	21.098 (535.89)
20.000	169.00	0.812	TSH ER™ TSH ER™ DOPELESS®	18.189	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	18.364 (466.45)	18.388 (467.06)	18.748 (476.20)	18.827 (478.20)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	N/A	N/A
20.000	209.00	1.000	TSH ER™ TSH ER™ DOPELESS®	17.813	1.430 (36.32)	5.549 (140.96)	20.000 (508.00)	20.200 (513.08)	17.988 (456.90)	18.012 (457.50)	18.661 (474.00)	18.740 (476.00)	10.626 (269.90)	10.823 (274.90)	20.874 (530.20)	21.126 (536.60)	N/A	N/A	N/A	N/A
22.000	146.50	0.625	TSH ER™ TSH ER™ DOPELESS®	20.563	1.430 (36.32)	6.337 (160.96)	22.000 (558.80)	22.220 (564.39)	20.738 (526.75)	20.762 (527.35)	20.866 (530.00)	20.945 (532.00)	12.205 (310.00)	12.402 (315.00)	23.004 (584.30)	23.256 (590.70)	N/A	N/A	22.748 (577.80)	22.787 (578.80)
22.000	180.00	0.781	TSH ER™ TSH ER™ DOPELESS®	20.251	1.430 (36.32)	6.337 (160.96)	22.000 (558.80)	22.220 (564.39)	20.426 (518.82)	20.450 (519.43)	20.650 (524.50)	20.728 (526.50)	12.205 (310.00)	12.402 (315.00)	23.004 (584.30)	23.256 (590.70)	N/A	N/A	23.031 (585.00)	23.071 (586.00)
22.000	202.00	0.880	TSH ER™ TSH ER™ DOPELESS®	20.053	1.430 (36.32)	6.337 (160.96)	22.000 (558.80)	22.220 (564.39)	20.426 (518.82)	20.450 (519.43)	20.650 (524.50)	20.728 (526.50)	12.205 (310.00)	12.402 (315.00)	23.004 (584.30)	23.256 (590.70)	N/A	N/A	23.031 (585.00)	23.071 (586.00)
22.000	226.00	1.000	TSH ER™ TSH ER™ DOPELESS®	19.813	1.430 (36.32)	6.337 (160.96)	22.000 (558.80)	22.220 (564.39)	19.988 (507.70)	20.012 (508.30)	20.354 (517.00)	20.433 (519.00)	12.205 (310.00)	12.402 (315.00)	23.004 (584.30)	23.256 (590.70)	N/A	N/A	23.409 (594.60)	23.449 (595.60)
22.000	257.40	1.125	TSH ER™ TSH ER™ DOPELESS®	19.563	1.430 (36.32)	6.337 (160.96)	22.000 (558.80)	22.220 (564.39)	19.988 (507.70)	20.012 (508.30)	20.354 (517.00)	20.433 (519.00)	12.205 (310.00)	12.402 (315.00)	23.004 (584.30)	23.256 (590.70)	N/A	N/A	23.409 (594.60)	23.449 (595.60)
24.000	125.50	0.500	TSH ER™ TSH ER™ DOPELESS®	22.813	1.430 (36.32)	5.057 (128.46)	24.000 (609.60)	24.240 (615.70)	22.988 (583.90)	23.012 (584.50)	23.079 (586.20)	23.157 (588.20)	9.646 (245.00)	9.843 (250.00)	24.874 (631.80)	25.126 (638.20)	N/A	N/A	24.791 (629.69)	24.830 (630.69)
24.000	159.20	0.625	TSH ER™ TSH ER™ DOPELESS®	22.563	1.430 (36.32)	5.549 (140.96)	24.000 (609.60)	24.240 (615.70)	22.738 (577.55)	22.762 (578.15)	22.866 (580.80)	22.945 (582.80)	10.626 (269.90)	10.823 (274.90)	24.874 (631.80)	25.126 (638.20)	24.568 (624.03)	24.647 (626.03)	24.845 (631.06)	24.884 (632.06)
24.000	162.00	0.635	TSH ER™ TSH ER™ DOPELESS®	22.543	1.430 (36.32)	5.549 (140.96)	24.000 (609.60)	24.240 (615.70)	22.718 (577.04)	22.742 (577.65)	22.866 (580.80)	22.945 (582.80)	10.626 (269.90)	10.823 (274.90)	24.874 (631.80)	25.126 (638.20)	N/A	N/A	24.863 (631.53)	24.903 (632.53)
24.000	174.00	0.688	TSH ER™ TSH ER™ DOPELESS®	22.437	1.430 (36.32)	5.549 (140.96)	24.000 (609.60)	24.240 (615.70)	22.612 (574.34)	22.636 (574.95)	22.827 (579.80)	22.906 (581.80)	10.626 (269.90)	10.823 (274.90)	24.874 (631.80)	25.126 (638.20)	N/A	N/A	24.960 (633.98)	24.999 (634.98)
24.000	189.00	0.750	TSH ER™ TSH ER™ DOPELESS®	22.313	1.430 (36.32)	5.549 (140.96)	24.000 (609.60)	24.240 (615.70)	22.488 (571.20)	22.512 (571.80)	22.776 (578.50)	22.854 (580.50)	10.626 (269.90)	10.823 (274.90)	24.874 (631.80)	25.126 (638.20)	N/A	N/A	25.072 (636.82)	25.111 (637.82)
24.000	203.00	0.812	TSH ER™ SPR.0008	22.313	1.430 (36.32)	5.549 (140.96)	24.000 (609.60)	24.240 (615.70)	22.364 (568.05)	22.388 (568.66)	22.776 (578.50)	22.854 (580.50)								