



HE-ITS

MIL-DTL-5015 Type Hermetic Bayonet Coupling Connectors



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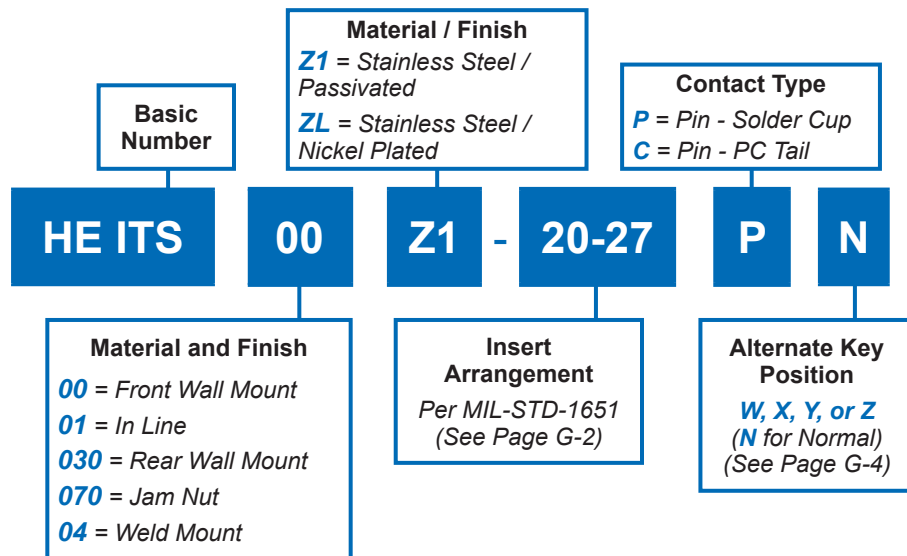


Table I: Hermetic Leak Rate Mode Codes

Designator	Required Leak Rate
-585A	1 x 10 ⁻¹⁰ cc Helium per second
-585B	1 x 10 ⁻⁹ cc Helium per second
-585C	1 x 10 ⁻⁸ cc Helium per second

Table II: Contact Style

P = Pin - Solder Cup	C = Pin - PC Tail

Table III: Service Rating

Service Rating	Working Voltage (Volts RMS)
Inst	200
A	500
D	900
E	1250
B	1750
C	3000

Table II: Connector Style

00 = Front Panel Mount	070 = Jam Nut
01 = In Line	04 = Weld Mount
030 = Rear Panel Mount	

APPLICATION NOTES

- To be identified with manufacturer's name, part number and date code, space permitting.
- Will mate with any MIL-DTL-5015 Series bayonet coupling plug of same size and insert polarization.
- Performance:
 Hermeticity - <1 x 10⁻⁷ cc/Sec @ 1 Atm. differential.
 Dielectric Withstanding Voltage - See Table III.
 Insulation Resistance - 5000 Megohms min @ 500VDC.
- Material/Finish:
 - Stainless steel / passivated;
 - Stainless steel / nickel plated;

Dimensions in Inches (millimeters) are subject to change without notice.

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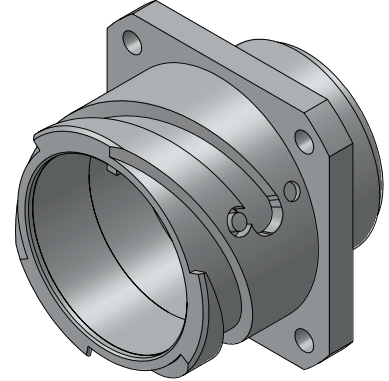
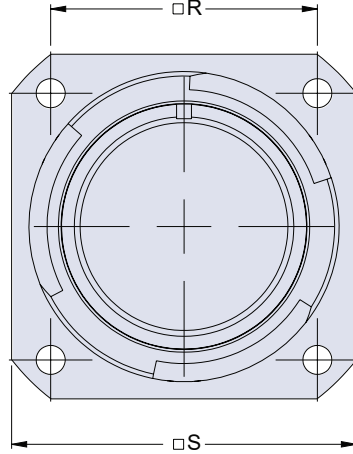
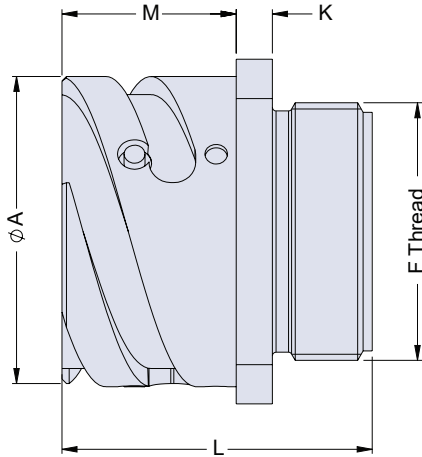
Rev. 06072024

HE-ITS MIL-DTL-5015 Type Hermetic Bayonet Coupling Connectors



MIL-DTL-5015
Type

00 - FRONT PANEL MOUNT SQUARE FLANGE RECEPTACLE WITH ACCESSORY MOUNTING THREADS



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Dimensions								
Shell Size	ØA + .008 (+0.2) - .004 (-0.1)	K ±.008 (±0.2)	L Max.	M +.016 (+0.4) -0 (-0)	R ±.007 (±0.2)	S ±.007 (±0.2)	ØT -.004 (-0.1) -0 (-0)	F Thread
10SL	.717 (18.2)	.110 (2.8)	.972 (24.7)	.559 (14.2)	.719 (18.3)	1.000 (25.4)	.126 (3.2)	.06250 - 24 UNEF
14S	.965 (24.5)	.126 (3.2)	.980 (24.9)	.559 (14.2)	.906 (23.0)	1.197 (30.4)	.126 (3.2)	0.7500 - 20 UNEF
16S	1.071 (27.2)	.126 (3.2)	.980 (24.9)	.559 (14.2)	.969 (24.6)	1.280 (32.5)	.126 (3.2)	0.8750 - 20UNEF
16	1.071 (27.2)	.126 (3.2)	1.335 (33.9)	.748 (19.0)	.969 (24.6)	1.280 (32.5)	.126 (3.2)	0.8750 - 20UNEF
18	1.209 (30.7)	.157 (4.0)	1.350 (34.3)	.748 (19.0)	1.063 (27.0)	1.378 (35.0)	.126 (3.2)	1.0000 - 20UNEF
20	1.339 (34.0)	.157 (4.0)	1.350 (34.3)	.748 (19.0)	1.157 (29.4)	1.496 (38.0)	.126 (3.2)	1.1250 - 18UNEF
22	1.469 (37.3)	.157 (4.0)	1.350 (34.3)	.748 (19.0)	1.250 (31.8)	1.614 (41.0)	.126 (3.2)	1.2500 - 18UNEF
24	1.610 (40.9)	.157 (4.0)	1.409 (35.8)	.811 (20.6)	1.374 (34.9)	1.752 (44.5)	.146 (3.7)	1.3750 - 18UNEF
28	1.839 (46.7)	.157 (4.0)	1.409 (35.8)	.811 (20.6)	1.563 (39.7)	2.004 (50.9)	.146 (3.7)	1.6250 - 18UNEF
32	2.102 (53.4)	.157 (4.0)	1.472 (37.4)	.874 (22.2)	1.752 (44.5)	2.244 (57.0)	.169 (4.3)	1.8750 - 16UN
36	2.346 (59.6)	.157 (4.0)	1.472 (37.4)	.874 (22.2)	1.937 (49.2)	2.500 (63.5)	.169 (4.3)	2.0625 - 16UNS

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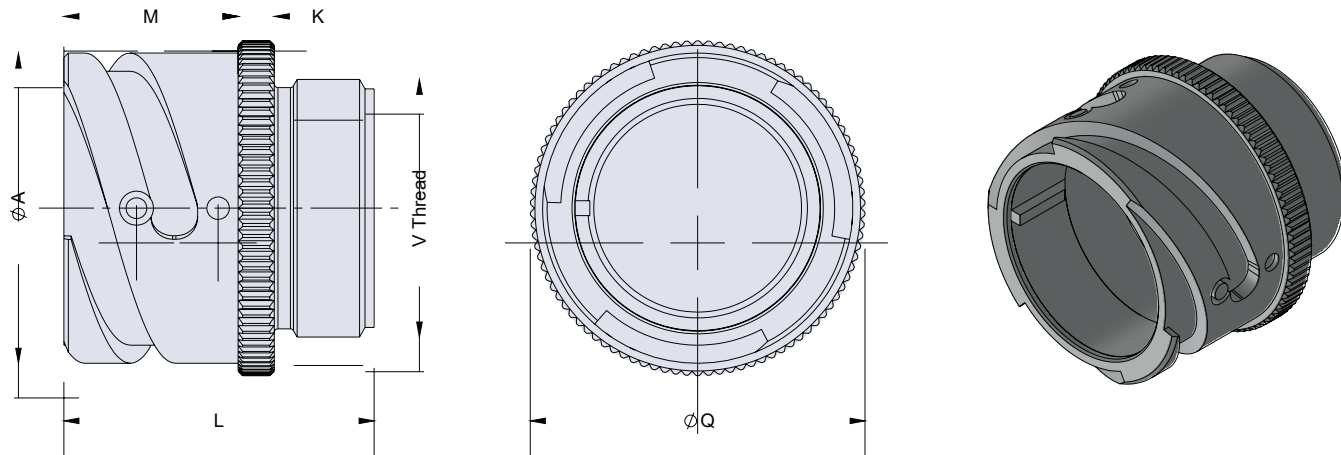
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HE-ITS MIL-DTL-5015 Type Hermetic Bayonet Coupling Connectors

01 -IN-LINE CYLINDRICAL RECEPTACLE WITH ACCESSORY MOUNTING THREAD



01 -In-Line Cylindrical Receptacle with Accessory Mounting Thread

Shell Size	0A +.008 (+0.2) -.004 (-0.1)	K ±.008 (±0.2)	L Max.	M +.016 (+0.4) -0 (-0)	Q -.004 (-0.1)	V Thread
10SL	0.717 (18.21)	0.110 (2.79)	0.972 (24.69)	0.559 (14.20)	0.858 (21.79)	0.6250-24UNEF
145	0.965 (24.51)	0.126 (3.20)	0.980 (24.89)	0.559 (14.20)	1.134 (28.80)	0.7500-20UNEF
165	1.071 (27.20)	0.126 (3.20)	0.980 (24.89)	0.559 (14.20)	1.201 (30.51)	0.8750- 20UNEF
16	1.071 (27.20)	0.126 (3.20)	1.335 (33.91)	0.748 (19.00)	1.201 (30.51)	0.8750- 20UNEF
18	1.209 (30.71)	0.157 (3.99)	1.350 (34.29)	0.748 (19.00)	1.331 (33.81)	1.0000- 20UNEF
20	1.339 (34.01)	0.157 (3.99)	1.346 (34.19)	0.748 (19.00)	1.453 (36.91)	1.1250-18UNEF
22	1.469 (37.31)	0.157 (3.99)	1.350 (34.29)	0.748 (19.00)	1.555 (39.50)	1.2500- 18UNEF
24	1.610 (40.89)	0.157 (3.99)	1.409 (35.79)	0.811 (20.60)	1.728 (43.89)	1.3750-18UNEF
28	1.839 (46.71)	0.157 (3.99)	1.409 (35.79)	0.811 (20.60)	1.906 (48.41)	1.6250-18UNEF
32	2.102 (53.39)	0.157 (3.99)	1.472 (37.39)	0.874 (22.20)	2.205 (56.01)	1.8750-16UN
36	2.346 (59.59)	0.157 (3.99)	1.472 (37.39)	0.874 (22.20)	2.457 (62.41)	2.0625-16UNS

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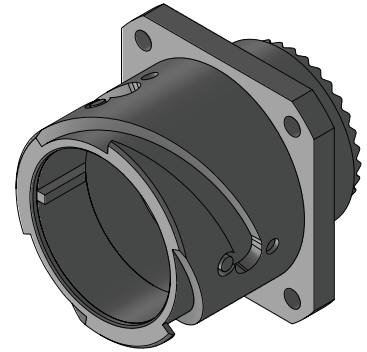
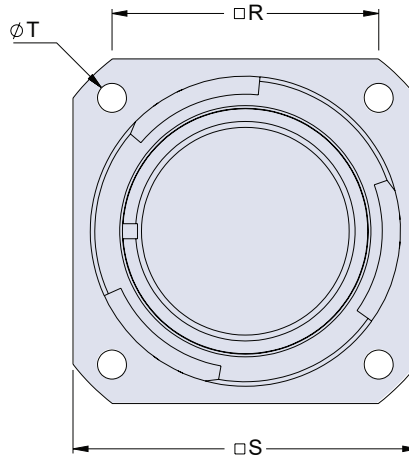
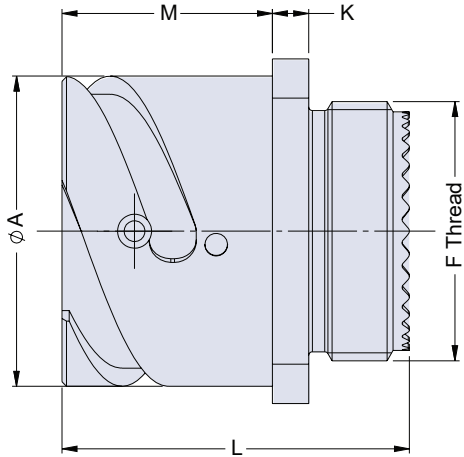
Rev. 06072024

HE-ITS
MIL-DTL-5015 Type Hermetic
Bayonet Coupling Connectors



MIL-DTL-5015
Type

030 - REAR PANEL MOUNT SQUARE FLANGE RECEPTACLE WITH ACCESSORY MOUNTING THREADS



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030 - Rear Panel Mount Square Flange Receptacle with Accessory Mounting Threads

Shell Size	0A + .008 (+0.2) - .004 (-0.1)	K ±.007 (±0.2)	L + .008 (+0.2) - 0 (-0.)	M + .008 (+0.2) - 0 (-0.)	R ±.008 (±0.2)	S ±.008 (±0.2)	T Thread	V Thread
10SL	0.717 (18.25)	0.110 (2.8)	1.181 (30.0)	0.724 (18.4)	0.719 (18.25)	1.000 (25.4)	M4	0.6250-24UNEF
145	0.965 (24.5)	0.126 (3.2)	1.181 (30.0)	0.724 (18.4)	0.906 (23.0)	1.197 (30.4)	M4	0.7500-20UNEF
165	1.071 (27.2)	0.126 (3.2)	1.181 (30.0)	0.724 (18.4)	0.969 (24.6)	1.280 (32.5)	M4	0.8750- 20UNEF
16	1.071 (27.2)	0.126 (3.2)	1.457 (37.0)	0.913 (23.2)	0.969 (24.6)	1.280 (32.5)	M4	0.8750- 20UNEF
18	1.209 (30.7)	0.157 (4.0)	1.417 (36.0)	0.913 (23.2)	1.063 (27.0)	1.378 (35.0)	M4	1.0000- 20UNEF
20	1.339 (34.0)	0.157 (4.0)	1.508 (38.3)	0.913 (23.2)	1.157 (29.4)	1.496 (38.0)	M4	1.1250-18UNEF
22	1.469 (37.3)	0.157 (4.0)	1.457 (37.0)	0.913 (23.2)	1.250 (31.75)	1.614 (41.0)	M4	1.2500- 18UNEF
24	1.610 (40.9)	0.157 (4.0)	1.457 (37.0)	0.953 (24.2)	1.374 (34.9)	1.752 (44.5)	M4	1.3750-18UNEF
28	1.839 (46.7)	0.157 (4.0)	1.555 (39.5)	0.953 (24.2)	1.563 (39.7)	2.004 (50.9)	M5	1.6250-18UNEF
32	2.102 (53.4)	0.157 (4.0)	1.555 (39.5)	0.953 (24.2)	1.752 (44.5)	2.244 (57.0)	M5	1.8750-16UN
36	2.346 (59.6)	0.157 (4.0)	1.555 (39.5)	0.953 (24.2)	1.937 (49.2)	2.500 (63.5)	M5	2.0625-16UNS

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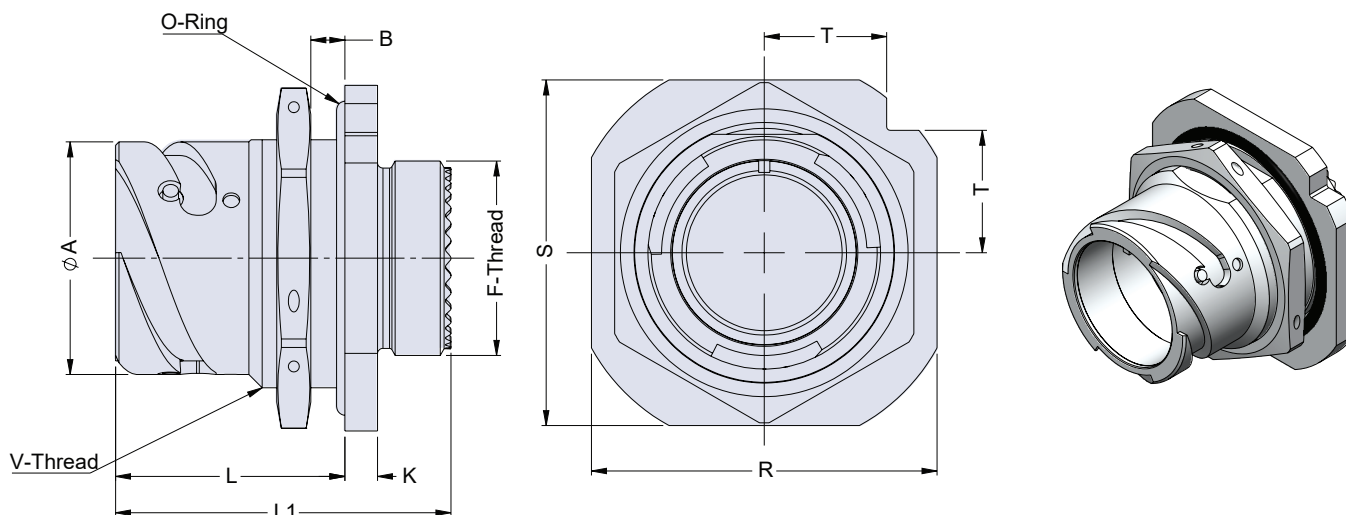
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HE-ITS MIL-DTL-5015 Type Hermetic Bayonet Coupling Connectors

070 - JAM NUT MOUNT CYLINDRICAL RECEPTACLE WITH ACCESSORY MOUNTING THREAD



070 - Jam Nut Mount Cylindrical Receptacle with Accessory Mounting Thread

Shell Size	ØA +.008 (+0.2) -.004 (-0.1)	K ±.007 (±0.2)	L Max.	M +.016 (+0.4) -0 (-0)	Q -.004 (-0.1)	V Thread
10SL	0.717 (18.21)	0.110 (2.79)	0.972 (24.69)	0.559 (14.20)	0.858 (21.79)	0.6250-24UNEF
145	0.965 (24.51)	0.126 (3.20)	0.980 (24.89)	0.559 (14.20)	1.134 (28.80)	0.7500-20UNEF
165	1.071 (27.20)	0.126 (3.20)	0.980 (24.89)	0.559 (14.20)	1.201 (30.51)	0.8750- 20UNEF
16	1.071 (27.20)	0.126 (3.20)	1.335 (33.91)	0.748 (19.00)	1.201 (30.51)	0.8750- 20UNEF
18	1.209 (30.71)	0.157 (3.99)	1.350 (34.29)	0.748 (19.00)	1.331 (33.81)	1.0000- 20UNEF
20	1.339 (34.01)	0.157 (3.99)	1.346 (34.19)	0.748 (19.00)	1.453 (36.91)	1.1250-18UNEF
22	1.469 (37.31)	0.157 (3.99)	1.350 (34.29)	0.748 (19.00)	1.555 (39.50)	1.2500- 18UNEF
24	1.610 (40.89)	0.157 (3.99)	1.409 (35.79)	0.811 (20.60)	1.728 (43.89)	1.3750-18UNEF
28	1.839 (46.71)	0.157 (3.99)	1.409 (35.79)	0.811 (20.60)	1.906 (48.41)	1.6250-18UNEF
32	2.102 (53.39)	0.157 (3.99)	1.472 (37.39)	0.874 (22.20)	2.205 (56.01)	1.8750-16UN
36	2.346 (59.59)	0.157 (3.99)	1.472 (37.39)	0.874 (22.20)	2.457 (62.41)	2.0625-16UNS

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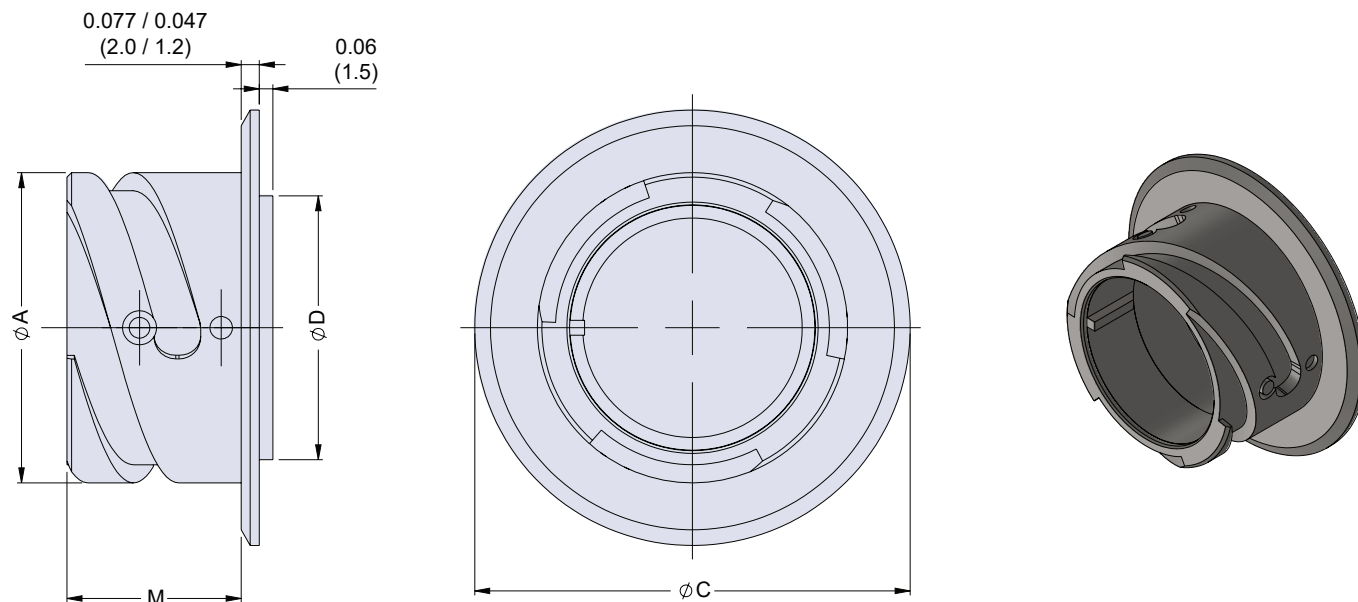
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HE-ITS MIL-DTL-5015 Type Hermetic Bayonet Coupling Connectors



MIL-DTL-5015
Type

04 - FRONT PANEL SOLDER MOUNT RECEPTACLE



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04 - Front Panel Solder Mount Receptacle

Shell Size	ØA + .008 (+0.2) - .004 (-0.1)	C ±0.25	D ±.010 (±0.25)	M +.016 (+0.4) - 0 (-0)
10SL	0.874 (22.2)	1.299 (33.0)	0.488 (12.4)	0.559 (14.2)
145	0.965 (24.5)	1.575 (40.0)	0.709 (18.0)	0.559 (14.2)
165	1.071 (27.2)	1.654 (42.0)	0.835 (21.2)	0.559 (14.2)
16	1.071 (27.2)	1.654 (42.0)	0.835 (21.2)	0.748 (19.0)
18	1.209 (30.7)	1.772 (45.0)	0.961 (24.4)	0.748 (19.0)
20	1.339 (34.0)	1.890 (48.0)	1.146 (29.1)	0.748 (19.0)
22	1.469 (37.3)	2.126 (54.0)	1.240 (31.5)	0.748 (19.0)
24	1.610 (40.9)	2.323 (59.0)	1.366 (34.7)	0.811 (20.6)
28	1.839 (46.7)	2.559 (65.0)	1.614 (41.0)	0.811 (20.6)
32	2.102 (53.4)	2.953 (75.0)	1.866 (47.4)	0.874 (22.2)
36	2.346 (59.6)	3.303 (83.9)	2.114 (53.7)	0.874 (22.2)

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