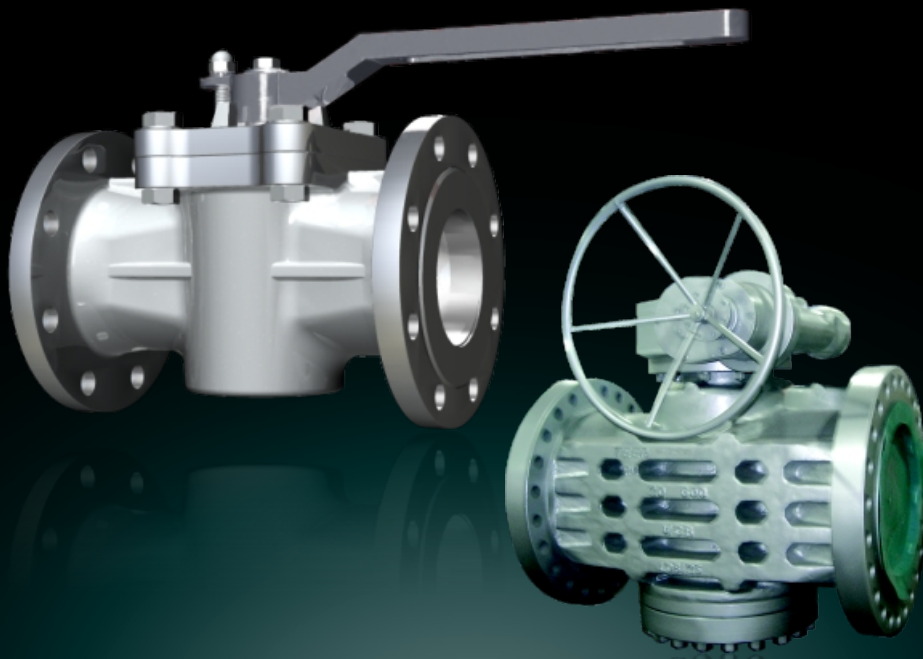


WEDO VALVE



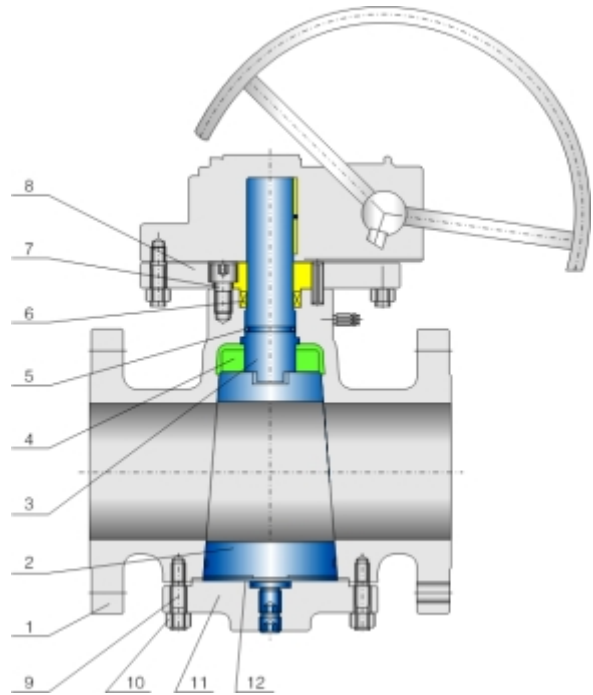
Cast Steel Plug Valves

www.wedovalve.com

Applicable Standards:

DESIGN & MANUFACTURE CONFORM WITH: API 6D/ISO 14313、ASME B16.34
 CONNECTION DIMENSION CONFORMS WITH: ASME B16.5、DIN EN 1092
 FIRE RESISTANCE DESIGN CONFORMS WITH: API 607/ISO 10497
 INSPECTION & TEST CONFORMS WITH: API 6D、ISO 5208、API 598
 MATERIAL CONFORMS WITH: ISO 15156

| No | Part Name | No | Part Name |
|----|-------------|----|------------------|
| 1 | Body | 9 | Bolt |
| 2 | Cock body | 10 | Connection board |
| 3 | Stem | 11 | Stud |
| 4 | Driving dog | 12 | Nut |
| 5 | O-ring | 13 | Lower cover |
| 6 | Packing | 14 | Gasket |



Materials of parts

| | |
|--------------------|---|
| Body | WCB/LCB/CF8M/CF8/CF3M/CF3/WC6/WC9/CD3MN |
| Cock body | WCB+N/CA15/4140+ENP/CF8M/CF8/CF3M/CF3/CD3MN |
| Stem | F6a/4140+ENP/F304/F316/F304L/F316L/F51 |
| Lower cover | A105/LF2/F304/F316/F304L/F316L/F51 |
| O-ring | VITON/NBR |
| Stud | B7M/B8M/L7M/B16M |
| Nut | 2HM/8M/7M/4M |
| Gasket | Flexible graphite+304/PTFE/304 |

Materials could be choosed according to customers' requirement & working condition.

Plug Valve Introduction

一、 Usage.

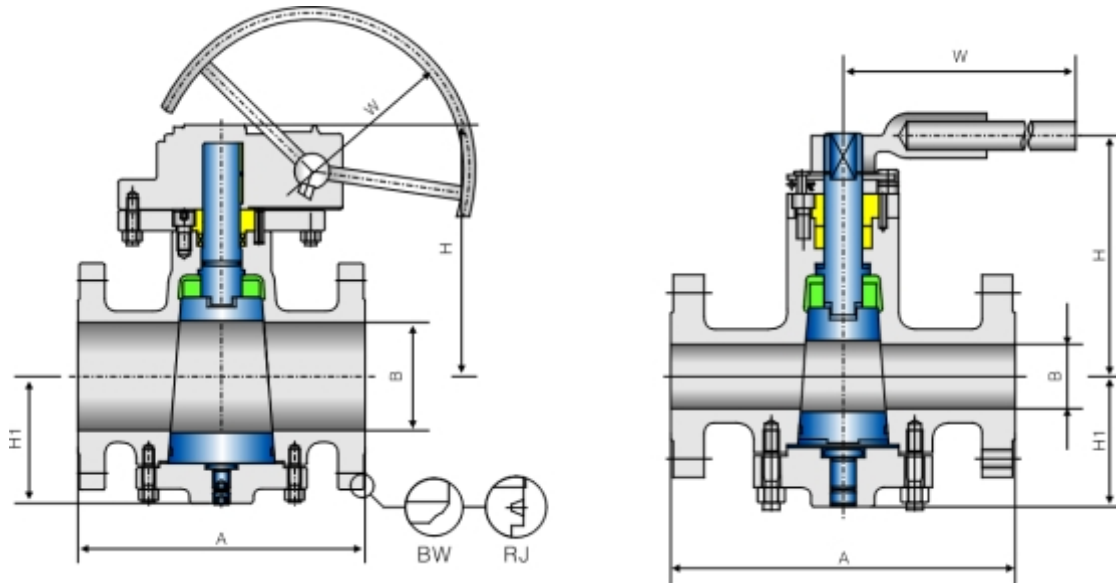
It is mainly used for storage and transportation of oil and gas in the chemical industry, metallurgy, paper making, food processing, shipbuilding and other industries, used to open or close, and with pneumatic and electrical devices can also achieve the long-distance operation, to ensure personal safety.

二、 Features.

- 1、 lockup device, manual operation, in order to prevent misoperation, valve can be equipped with padlock device.
- 2、 Anti-static structure, when a fire break out, the metal seal forms to prevent large leakage of media
- 3、 valve body and stem can finish emergency injection seal, through the grease injection valve, the stop-leak compound can achieve a short-time seal, therefor to buy time handling the scene.

Applicable Standards:

DESIGN & MANUFACTURE CONFORM WITH: API 6D/ISO 14313, ASME B16.34
 CONNECTION DIMENSION CONFORMS WITH: ASME B16.5, DIN EN 1092
 FIRE RESISTANCE DESIGN CONFORMS WITH: API 607/ISO 10497
 INSPECTION & TEST CONFORMS WITH: API 6D, ISO 5208, API 598
 MATERIAL CONFORMS WITH: ISO 15156



Dimensional datas

| NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m | NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m |
|---|-----|---------|---------|---------|----------|---------|-------------|----------|--------------------------------------|-----|---------|---------|---------|----------|---------|-------------|----------|
| Short Series Type ANSI Class 150Lb | | | | | | | | | Venturi Type ANSI Class 150Lb | | | | | | | | |
| 2 | 50 | 178 | 51 | 175 | 106 | 350 | 18 | 98 | ★ 10 | 250 | 533 | 252 | 420 | 255 | 600 | 375 | 2166 |
| 3 | 80 | 203 | 76 | 190 | 127 | 600 | 31 | 180 | ★ 12 | 300 | 610 | 303 | 492 | 316 | 600 | 420 | 3199 |
| 4 | 100 | 229 | 102 | 214 | 158 | 700 | 50 | 302 | ★ 14 | 350 | 686 | 334 | 498 | 320 | 600 | 480 | 4849 |
| ★ 6 | 150 | 267 | 152 | 270 | 185 | 900 | 93 | 628 | ★ 16 | 400 | 762 | 385 | 645 | 368 | 700 | 590 | 6032 |
| ★ 8 | 200 | 292 | 201 | 370 | 220 | 600 | 250 | 2032 | ★ 18 | 450 | 864 | 436 | 687 | 426 | 760 | 713 | 9142 |
| ★ 10 | 250 | 330 | 252 | 420 | 250 | 600 | 330 | 2166 | ★ 20 | 500 | 914 | 487 | 742 | 477 | 760 | 880 | 12022 |
| ★ 12 | 300 | 356 | 303 | 490 | 310 | 600 | 360 | 3199 | ★ 24 | 600 | 1067 | 589 | 798 | 522 | 760 | 1203 | 19424 |

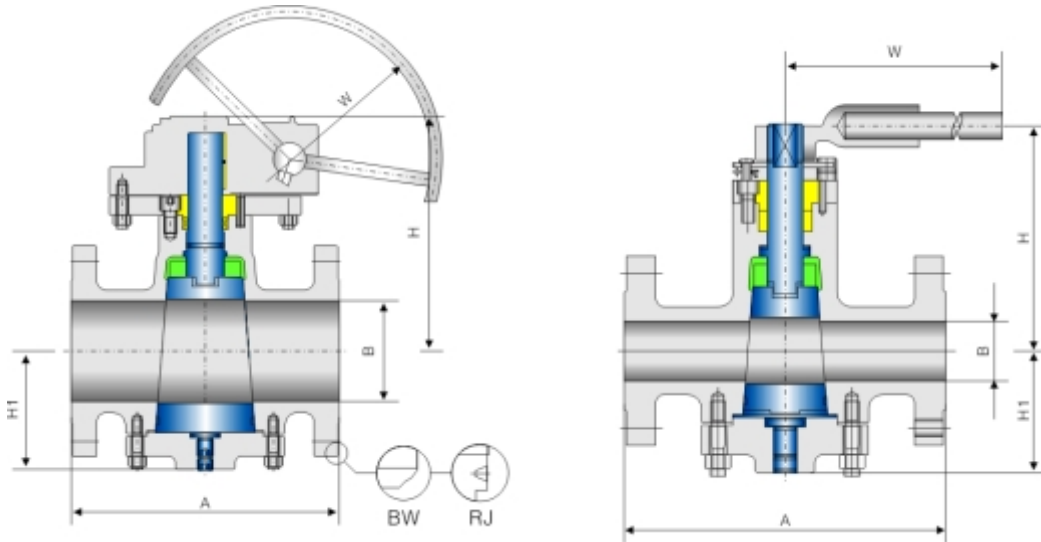
Dimensional datas

| NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m | NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m |
|---|-----|---------|---------|---------|----------|---------|-------------|----------|--------------------------------------|-----|---------|---------|---------|----------|---------|-------------|----------|
| Short Series Type ANSI Class 300Lb | | | | | | | | | Venturi Type ANSI Class 300Lb | | | | | | | | |
| 2 | 50 | 216 | 51 | 184 | 108 | 500 | 25 | 172 | 6 | 150 | 403 | 152 | 307 | 200 | 900 | 144 | 1080 |
| 2 1/2 | 70 | 241 | 62 | 190 | 115 | 550 | 33 | 198 | ★ 8 | 200 | 419 | 303 | 390 | 230 | 600 | 280 | 3208 |
| 3 | 80 | 283 | 76 | 195 | 137 | 600 | 40 | 218 | ★ 10 | 250 | 457 | 252 | 433 | 255 | 600 | 370 | 3258 |
| 4 | 100 | 305 | 102 | 265 | 168 | 700 | 70 | 536 | ★ 12 | 300 | 502 | 303 | 500 | 320 | 700 | 408 | 5202 |
| ★ 6 | 150 | 403 | 152 | 307 | 200 | 900 | 144 | 1080 | ★ 14 | 350 | 762 | 334 | 630 | 340 | 700 | 510 | 8486 |
| ★ 8 | 200 | 419 | 201 | 390 | 230 | 600 | 280 | 3208 | ★ 16 | 400 | 838 | 385 | 740 | 376 | 762 | 630 | 10696 |
| ★ 10 | 250 | 457 | 252 | 433 | 255 | 600 | 370 | 3258 | ★ 18 | 450 | 914 | 436 | 788 | 436 | 762 | 750 | 15940 |
| ★ 12 | 300 | 502 | 303 | 500 | 320 | 700 | 408 | 5202 | ★ 20 | 500 | 991 | 487 | 833 | 497 | 762 | 890 | 21040 |
| | | | | | | | | | ★ 24 | 600 | 1143 | 589 | 889 | 543 | 762 | 1035 | 24082 |

Note: ★ Turbine drives

Applicable Standards:

DESIGN & MANUFACTURE CONFORM WITH; API 6D/ISO 14313、ASME B16.34
 CONNECTION DIMENSION CONFORMS WITH; ASME B16.5、DIN EN 1092
 FIRE RESISTANCE DESIGN CONFORMS WITH; API 607/ISO 10497
 INSPECTION & TEST CONFORMS WITH; API 6D、ISO 5208、API 598
 MATERIAL CONFORMS WITH; ISO 15156



Dimensional datas

| NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m | NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m |
|---|-----|---------|---------|---------|----------|---------|-------------|----------|--------------------------------------|-----|---------|---------|---------|----------|---------|-------------|----------|
| Reduced Bore Type ANSI Class 600Lb | | | | | | | | | Venturi Type ANSI Class 600Lb | | | | | | | | |
| 2 | 50 | 292 | 51 | 194 | 108 | 500 | 30 | 292 | 6 | 150 | 403 | 152 | 307 | 200 | 900 | 144 | 1080 |
| 2½ | 65 | 330 | 62 | 200 | 115 | 550 | 40 | 322 | ★8 | 200 | 419 | 303 | 390 | 230 | 600 | 280 | 3208 |
| 3 | 80 | 356 | 76 | 205 | 137 | 780 | 48 | 380 | ★10 | 250 | 457 | 252 | 433 | 255 | 600 | 370 | 3258 |
| 4 | 100 | 432 | 102 | 270 | 168 | 1100 | 85 | 918 | ★12 | 300 | 502 | 303 | 500 | 320 | 700 | 408 | 5202 |
| ★6 | 150 | 559 | 152 | 340 | 200 | 600 | 194 | 1814 | ★14 | 350 | 762 | 334 | 630 | 340 | 700 | 510 | 8486 |
| ★8 | 200 | 660 | 201 | 405 | 230 | 600 | 305 | 5114 | ★16 | 400 | 838 | 385 | 740 | 376 | 762 | 630 | 10696 |
| ★10 | 250 | 787 | 252 | 460 | 255 | 700 | 625 | 6088 | ★18 | 450 | 914 | 436 | 788 | 436 | 762 | 750 | 15940 |
| | | | | | | | | | ★20 | 500 | 991 | 487 | 833 | 497 | 762 | 890 | 21040 |
| | | | | | | | | | ★24 | 600 | 1143 | 589 | 889 | 543 | 762 | 1035 | 24082 |

Dimensional datas

| NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m | NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m |
|---|-----|---------|---------|---------|----------|---------|-------------|----------|--------------------------------------|-----|---------|---------|---------|----------|---------|-------------|----------|
| Reduced Bore Type ANSI Class 900Lb | | | | | | | | | Venturi Type ANSI Class 900Lb | | | | | | | | |
| 2 | 50 | 368 | 51 | 215 | 120 | 700 | 50 | 417 | ★6 | 150 | 610 | 152 | 365 | 210 | 600 | 240 | 2548 |
| 3 | 80 | 381 | 76 | 250 | 145 | 800 | 70 | 540 | ★8 | 200 | 737 | 201 | 405 | 240 | 600 | 410 | 7022 |
| 4 | 100 | 457 | 102 | 300 | 180 | 1100 | 116 | 1258 | ★10 | 250 | 838 | 252 | 460 | 265 | 762 | 860 | 8516 |
| ★6 | 150 | 610 | 152 | 365 | 210 | 600 | 240 | 2548 | ★12 | 300 | 965 | 303 | 510 | 335 | 762 | 1150 | 11986 |
| ★8 | 200 | 737 | 201 | 405 | 240 | 700 | 410 | 7022 | ★16 | 400 | 1130 | 373 | 600 | 390 | 762 | 1960 | 20326 |
| ★10 | 250 | 838 | 252 | 460 | 265 | 762 | 860 | 8516 | | | | | | | | | |

Dimensional datas

| NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m | NPS inch | DN | A mm | B mm | H mm | H1 mm | W mm | M(RF) kg | T N.m |
|--|-----|---------|---------|---------|----------|---------|-------------|----------|---------------------------------------|-----|---------|---------|---------|----------|---------|-------------|----------|
| Reduced Bore Type ANSI Class 1500Lb | | | | | | | | | Venturi Type ANSI Class 1500Lb | | | | | | | | |
| 2 | 50 | 368 | 51 | 215 | 120 | 700 | 50 | 654 | ★6 | 150 | 705 | 144 | 390 | 220 | 600 | 325 | 4022 |
| 3 | 80 | 470 | 76 | 260 | 150 | 1000 | 88 | 862 | ★8 | 200 | 832 | 192 | 415 | 260 | 762 | 520 | 10848 |
| 4 | 100 | 546 | 102 | 320 | 185 | 600 | 160 | 2064 | ★10 | 250 | 911 | 239 | 480 | 280 | 762 | 970 | 13388 |
| ★6 | 150 | 705 | 144 | 390 | 220 | 600 | 325 | 4022 | ★12 | 300 | 1130 | 287 | 540 | 360 | 762 | 1450 | 18792 |
| ★8 | 200 | 832 | 192 | 415 | 260 | 762 | 520 | 10848 | | | | | | | | | |

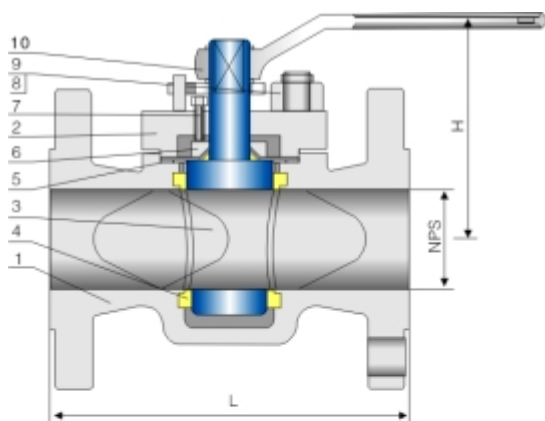
Note: ★ Turbine drives

Applicable Standards:

- STEEL PLUG VALVES API 599/API 6D
- STEEL PLUG VALVES ISO 14313
- FIRE SAFE, API 607
- ANTI STATICS, API 599
- STEEL VALVES, ASME B16.34
- FACE TO FACE ASME B16.10
- END FLANGES, ASME B16.5
- BUTTWELDING ENDS ASME B16.25
- INSPECTION AND TEST, API 598/ API 6D

Design descriptions:

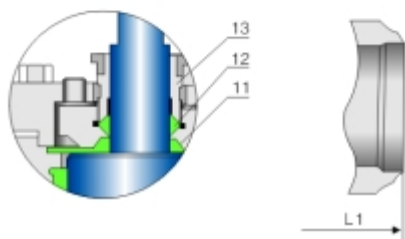
- RUGGED, HEAVY-DUTY BODY
- BOLTED BONNET CAP
- PTFE SLEEVED, TAPERED PLUG
- LARGE PORT OPENINGS
- NON-LUBRICATED
- STEM INTEGRAL WITH PLUG
- IN-LINE ADJUSTMENT
- FIRE SAFE CONSTRUCTION
- ANTI STATICS DEVICE
- STOPPER DEVICE
- RENEWABLE SEAT RING
- FLANGED OR BUTTWELDING ENDS
- AVAILABLE WITH WG OPERATOR



Materials of parts

| No | Part Name | Carbon Steel | ASTM Materials 18Cr-9Ni-2Mo | Carbon Steel |
|----|------------------|-----------------------------|--------------------------------|-----------------------------|
| 1 | Body | A216-WCB | A351-CF8M | A352-LCB |
| 2 | Bonnet | A216-WCB | A351-CF8M | A352-LCB |
| 3 | Plug | A182-F304(1) | A182-F316 | A182-F304 ⁽¹⁾ |
| 4 | Sleeve | Glass Filled PTFE | | |
| 5 | Bonnet Gasket | Graphite+304 ⁽²⁾ | Graphite+316 ⁽²⁾ | Graphite+304 ⁽²⁾ |
| 6 | Adjusting Gasket | A182-F6a | A182-F316 | A182-F6a |
| 7 | Adjusting Bolt | A193-B7 | A193-B8 | A320-L7 |
| 8 | Bonnet Stud | A193-B7 | A193-B8 | A320-L7 |
| 9 | Bonnet Bolt | A194-2H | A194-8 | A194-4 |
| 10 | Handle | Carbon Steel | | |
| 11 | Diaphragm | A167-304+PTFE | A167-316+PTFE | A167-304+PTFE |
| 12 | Packing | Graphite | | |
| 13 | Gland Flange | A216-WCB | A217-WC6 | A352-LCB |

Note:1)A105+ENP optional
2)Jacketed construction



Dimensional datas

| NPS | DN | L (RF) | | L1 (BW) | | H | W | WT(kg) | | L (RF) | | L1 (BW) | | H | W | WT(kg) | | | | | |
|-----------------|-----|--------|-----|---------|-----|-------|-----|--------|-----|-----------------|------|---------|-----|-------|-----|--------|-----|----|-----|-----|------|
| ANSI Class150Lb | | | | | | | | | | ANSI Class300Lb | | | | | | | | | | | |
| 2 | 50 | 7.00 | 178 | 10.50 | 267 | 6.00 | 150 | 13 | 320 | 17 | 13 | 8.5 | 216 | 10.50 | 267 | 6.00 | 150 | 13 | 320 | 17 | 13 |
| 2 1/2 | 65 | 7.50 | 191 | 12.00 | 305 | 6.50 | 165 | 14 | 350 | 20 | 14 | 9.5 | 241 | 12.00 | 305 | 6.50 | 165 | 14 | 350 | 20 | 14 |
| 3 | 80 | 8.00 | 203 | 13.00 | 330 | 7.12 | 180 | 16 | 410 | 25 | 17.5 | 11.0 | 283 | 13.00 | 330 | 7.12 | 180 | 16 | 410 | 25 | 17.5 |
| 4 | 100 | 9.00 | 229 | 14.00 | 356 | 15.00 | 380 | 13 | 320 | 40 | 29 | 12.0 | 305 | 14.00 | 356 | 15.00 | 380 | 13 | 320 | 40 | 29 |
| 6 | 150 | 10.50 | 267 | 18.00 | 457 | 20.50 | 520 | 13 | 320 | 70 | 55 | 16.0 | 403 | 18.00 | 457 | 20.50 | 520 | 13 | 320 | 70 | 55 |
| 8 | 200 | 11.50 | 292 | 20.50 | 521 | 22.88 | 580 | 13 | 320 | 135 | 110 | 16.5 | 419 | 20.50 | 521 | 22.88 | 580 | 13 | 320 | 135 | 110 |
| 10 | 250 | 13.00 | 330 | 22.00 | 559 | 24.50 | 620 | 14 | 350 | 220 | 182 | 18.0 | 457 | 22.00 | 559 | 24.50 | 620 | 14 | 350 | 220 | 182 |
| 12 | 300 | 14.00 | 356 | 25.00 | 635 | 26.75 | 680 | 15 | 380 | 300 | 247 | 20.0 | 502 | 25.00 | 635 | 26.75 | 680 | 15 | 380 | 300 | 247 |
| in | mm | in | mm | in | mm | in | mm | in | mm | RF | BW | in | mm | in | mm | in | mm | in | mm | RF | BW |

