

| Year | Venue | Representative | Region | Place | Pinfall | Average | Games |
|------|----------------------------|-------------------|-------------|-------------------|-------------------|-------------------|-------------------|
| 2017 | Hermosillo, Mexico | James Kelly | Waitakere | 27 out of 64 | 4854 | 202 | 24 |
| 2016 | Shanghai, China | Sonny Reguerra | Manukau | 55 out of 81 | 3575 | 179 | 20 |
| 2015 | Las Vegas, USA | Zane Carlson | Waitakere | 64 out of 86 | 4406 | 183 | 24 |
| 2014 | Wroclaw, Poland | Jason Waters | Auckland | 39 out of 82 | 4094 | 205 | 20 |
| 2013 | Krasnoyarsk, Russia | No representative | | | | | |
| 2012 | Wroclaw, Poland | James Kelly | Waitakere | 40 out of 82 | 4005 | 200 | 20 |
| 2011 | Johannesburg, South Africa | Craig Nevatt | Auckland | 37 out of 81 | 4172 | 209 | 20 |
| 2010 | Toulon, France | James Kelly | Waitakere | 18 out of 91 | 5018 | 209 | 24 |
| 2009 | Melaka, Malaysia | Sonny Reguerra | Manukau | 24 out of 87 | 6468 | 202 | 32 |
| 2008 | Hermosillo, Mexico | Adrian Judd | Waitakere | 20 out of 82 | 6698 | 209 | 32 |
| 2007 | St Petersburg, Russia | Jason Waters | Auckland | 26 out of 84 | 4985 | 208 | 24 |
| 2006 | Caracas, Venezuela | Jason Waters | Auckland | 26 out of 88 | 5095 | 212 | 24 |
| 2005 | Ljubljana, Slovenia | Jason Waters | Auckland | 27 out of 83 | 4944 | 206 | 24 |
| 2004 | Cathay, Singapore | David Davies | Nth Harbour | 34 out of 93 | 5070 | 211 | 24 |
| 2003 | Tequigalpa, Honduras | Jason Waters | Auckland | 27 out of 74 | 4064 | 203 | 20 |
| 2002 | Riga, Latvia | Robbie Mach | Nth Harbour | 54 out of 83 | 4389 | 183 | 24 |
| 2001 | Pattaya, Thailand | David Davies | Nth Harbour | 15 out of 87 | 5122 | 213 | 24 |
| 2000 | Lisbon, Portugal | Jeff Tuala | Auckland | 54 out of 88 | 4640 | 193 | 24 |
| 1999 | Las Vegas, USA | Pete Richardson | Waitakere | 44 out of 75 | 4733 | 197 | 24 |
| 1998 | Kobe, Japan | Pete Richardson | Waitakere | 33 out of 68 | 4637 | 193 | 24 |
| 1997 | Cairo, Egypt | Graham Watson | Hamilton | 47 out of 81 | 4541 | 189 | 24 |
| 1996 | Belfast, Northern Ireland | Kevin Keblewhite | Manukau | 38 out of 70 | 4557 | 190 | 24 |
| 1995 | San Paulo, Brazil | Tony Lum Jnr | Manukau | 50 out of 53 | 4235 | 176 | 24 |
| 1994 | Hermosillo, Mexico | Mike Nixon | Manukau | 18 out of 53 | 8158 | 204 | 40 |
| 1993 | Johannesburg, South Africa | Paul Fincham | Wellington | 30 out of 47 | 4327 | 180 | 24 |
| 1992 | Le Mans, France | Paul Fincham | Wellington | 29 out of 50 | 4626 | 193 | 24 |
| 1991 | Beijing, China | Murray Johnstone | Wellington | 16 out of 40 | 7841 | 196 | 40 |
| 1990 | Pattaya, Thailand | Bill Murphy | Hamilton | 38 out of 43 | 3996 | 167 | 24 |
| 1989 | Dublin, Ireland | Henry Ledger | Rotorua | 38 out of 43 | 4192 | 175 | 24 |
| 1988 | Guadalajara, Mexico | Ron Morgan | Rotorua | 43 out of 43 | 3831 | 160 | 24 |
| 1987 | Kuala Lumpur, Malaysia | Costas Dedes | Manukau | 36 out of 37 | 3975 | 166 | 24 |
| 1986 | Copenhagen, Denmark | Stephen Furst | Manukau | 38 out of 41 | 4220 | 176 | 24 |
| 1985 | Seoul, South Korea | David Hardie | Hamilton | 31 out of 42 | No info available | No info available | No info available |
| 1984 | Sydney, Australia | John Collinson | Manukau | No info available | No info available | No info available | No info available |