

Stainless Steel wire rod for cold heading

Austenitics

| Brands | Standards | Chemical composition | | | | | | | | | | | Rm maxi | Uses | |
|--------------------------------|------------------------|----------------------|------|------|------|-------|-------|------|------|-------|--------|----------|------------|---|------------------|
| | | C | Si | Mn | Ni | Cr | Mo | Cu | S | P | Others | | | | |
| UGI® HQ201CU | | Min | | | 7.50 | 5.00 | 14.50 | | 3.00 | | | | | 520 | Economical grade |
| | | Max | 0.03 | 0.50 | 8.50 | 5.50 | 15.50 | 0.50 | 3.50 | 0.005 | 0.040 | N < 0.05 | | | |
| UGI® HQ4301-1 UGI® HQ304-1 | EN 1.4301 AISI 304 | Min | 0.04 | 0.20 | 1.00 | 8.00 | 18.00 | | | | | | | 660 | Basic A2 grade |
| | | Max | 0.06 | 0.60 | 1.50 | 9.00 | 19.00 | 0.50 | 0.50 | 0.015 | 0.040 | N < 0.06 | | | |
| UGI® HQ4301-3 UGI® HQ304-3 | EN 1.4301 AISI 304 | Min | 0.02 | 0.20 | 1.00 | 9.00 | 18.00 | | 0.50 | | | | 590 | Basic A2 grade | |
| | | Max | 0.04 | 0.60 | 1.50 | 10.00 | 19.00 | 0.50 | 0.75 | 0.015 | 0.040 | N < 0.03 | | | |
| UGI® HQ4307 UGI® HQ304L-1 | EN 1.4307 AISI 304L | Min | | | 1.00 | 9.20 | 18.00 | | | | | | 590 | Basic low carbon grade - A2 | |
| | | Max | 0.03 | 1.00 | 1.50 | 10.00 | 19.00 | 0.50 | 0.75 | 0.015 | 0.040 | N < 0.04 | | | |
| UGI® HQ4306 UGI® HQ304L-2 | EN 1.4306 AISI 304L | Min | | | 0.50 | 10.00 | 18.00 | | | | | | 560 | Low carbon grade - A2 difficult striking | |
| | | Max | 0.03 | 1.00 | 1.00 | 11.00 | 19.00 | 0.50 | 0.50 | 0.015 | 0.040 | N < 0.04 | | | |
| UGI® HQ4303 UGI® HQ305 | EN 1.4303 AISI 305 | Min | | | | 11.00 | 18.00 | | | | | | 560 | Low carbon grade - A2 severe striking. Clamping collars | |
| | | Max | 0.03 | 0.75 | 1.50 | 12.00 | 19.00 | 0.50 | 0.70 | 0.015 | 0.035 | N < 0.04 | | | |
| UGI® HQ305-2 | EN 1.4303 AISI 305 | Min | 0.04 | | 1.00 | 12.00 | 17.00 | | | | | | 560 | Low carbon grade - A2 very severe striking. Non-magnetic properties | |
| | | Max | 0.06 | 1.00 | 2.00 | 12.50 | 18.00 | 0.50 | 0.50 | 0.010 | 0.040 | N < 0.05 | | | |
| UGI® HQ4560 | EN 1.4560 | Min | | | 1.50 | 8.30 | 18.00 | | 1.50 | | | | 580 | Basic grade with Cu - A2 | |
| | | Max | 0.03 | 1.00 | 2.00 | 9.00 | 19.00 | 0.30 | 2.00 | 0.010 | 0.040 | N < 0.06 | | | |
| UGI® HQ4567-1 UGI® HQ 302-1 | EN 1.4567 302HQ | Min | | | | 8.50 | 17.00 | | 3.00 | | | | 510 | Cu grade - A2 severe striking | |
| | | Max | 0.03 | 0.50 | 2.00 | 9.00 | 18.00 | 0.50 | 3.50 | 0.010 | 0.040 | N < 0.03 | | | |
| UGI® HQ4567-2 UGI® HQ 302-2 | EN 1.4567 302HQ | Min | | | | 9.00 | 17.00 | | 3.00 | | | | 510 | Cu grade - A2 severe striking | |
| | | Max | 0.03 | 0.75 | 2.00 | 10.00 | 18.00 | 0.50 | 3.50 | 0.010 | 0.040 | N < 0.03 | | | |
| UGI® HQ4567-3 UGI® HQ302-3 | EN 1.4567 302HQ | Min | | 0.40 | 1.00 | 9.50 | 17.00 | | 3.30 | | | | 510 | Cu grade - A2 very severe striking | |
| | | Max | 0.03 | 0.75 | 2.00 | 10.00 | 19.00 | 0.50 | 4.00 | 0.010 | 0.040 | N < 0.03 | | | |
| UGI® HQ4541 | 1.4541 UNS S32100 | Min | | | | 9.50 | 17.00 | | | | | TI 5xC | 570 | Basic stabilised A2 grade | |
| | | Max | 0.06 | 1.00 | 2.00 | 10.50 | 18.00 | 0.50 | 0.50 | 0.015 | 0.040 | 0.60 | | | |
| UGI® HQ4401 UGI® HQ316 | EN 1.4401 AISI 316 | Min | 0.04 | | | 10.50 | 16.50 | 2.00 | | | | | 600 | Basic stabilised A2 grade | |
| | | Max | 0.07 | 1.00 | 2.00 | 11.50 | 17.50 | 2.50 | 0.50 | 0.015 | 0.040 | N < 0.05 | | | |
| UGI® HQ4404 UGI® HQ316L | EN 1.4404 AISI 316L | Min | | | | 11.00 | 16.50 | 2.00 | | | | | 590 | Basic A4 low carbon grade | |
| | | Max | 0.03 | 1.00 | 2.00 | 12.00 | 17.50 | 2.50 | 0.50 | 0.015 | 0.040 | N < 0.04 | | | |
| UGI® HQ4404X4 UGI® HQ316LX4 | EN 1.4404 AISI 316L | Min | | | 1.50 | 11.00 | 16.50 | 2.00 | | | | | 590 | Low carbon grade - A4 difficult striking | |
| | | Max | 0.03 | 0.80 | 2.00 | 12.00 | 17.00 | 2.50 | 1.00 | 0.010 | 0.030 | | | | |
| UGI® HQ4435 UGI® HQ316LMo | EN 1.4435 AISI 316L | Min | | | 1.25 | 12.50 | 16.75 | 2.50 | | | | | 570 | Low carbon grade - A4 severe striking | |
| | | Max | 0.03 | 0.75 | 2.00 | 13.50 | 17.75 | 3.00 | 0.50 | 0.010 | 0.030 | N < 0.05 | | | |
| UGI® HQ317L | EN 1.4438 AISI 317L | Min | | 0.30 | 1.50 | 14.00 | 18.50 | 3.50 | | | | | 660 | Very good corrosion resistance | |
| | | Max | 0.02 | 0.60 | 2.00 | 15.00 | 19.50 | 4.00 | 0.50 | 0.010 | 0.025 | N < 0.06 | | | |
| UGI® HQ4571 | EN 1.4571 | Min | | | | 11.00 | 16.50 | 2.00 | | | | TI 5xC | 550 | Basic grade - stabilised A4 | |
| | | Max | 0.05 | 1.00 | 2.00 | 12.00 | 17.50 | 2.50 | 0.50 | 0.015 | 0.040 | 0.60 | | | |
| UGI® HQ4578 UGI® HQ316LCu | EN 1.4578 | Min | - | | | 10.00 | 16.50 | 2.00 | 3.00 | | | | 530 | Basic grade - A4 With Cu | |
| | | Max | 0.03 | 1.00 | 1.00 | 11.00 | 17.50 | 2.50 | 3.50 | 0.010 | 0.040 | | | | |
| UGI® HQ4828 | EN 1.4828 | Min | 0.04 | 1.50 | | 11.00 | 19.00 | | | | | | 630 | Refractory | |
| | | Max | 0.07 | 2.00 | 2.00 | 12.00 | 20.00 | | | 0.015 | 0.040 | N < 0.06 | | | |
| UGI® HQ4845 UGI® HQ310S | EN 1.4845 AISI 310S | Min | 0.05 | | | 19.00 | 24.00 | | | | | | 550 | High corrosion and oxidation resistance | |
| | | Max | 0.10 | 1.00 | 2.00 | 20.00 | 25.00 | | | 0.015 | 0.040 | N < 0.05 | | | |
| UGI® HQ4841 UGI® HQ314 | EN 1.4841 AISI 314 | Min | | 2.00 | | 20.00 | 24.00 | | | | | | 620 | High corrosion and oxidation resistance | |
| | | Max | 0.08 | 2.50 | 2.00 | 21.00 | 25.00 | | | 0.015 | 0.040 | N < 0.05 | | | |
| UGI® HQ4539 UGI® HQ904L | EN 1.4539 AISI 904L | Min | | | | 24.00 | 19.00 | 4.00 | 1.20 | | | | 640 | Very high acid resistance | |
| | | Max | 0.02 | 0.70 | 2.00 | 25.00 | 20.00 | 5.00 | 2.00 | 0.010 | 0.030 | N < 0.06 | | | |



