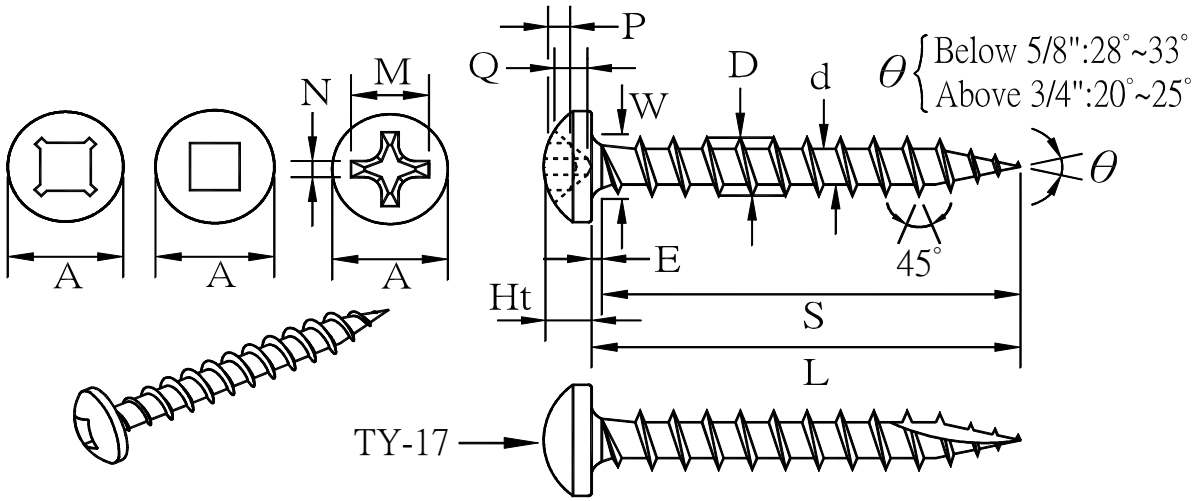
| DW# | A1-QS02l | | |
|---|---|---|---|
| Date | Dim./ Spec. | Old | New |
| | | | |

# PH/SQ/PQ - PAN - QS45/17QS




| Revision Record | | | |
|---|---|---|---|
| Date | Dim./ Spec. | Old | New |
| | | | |

| Size /Thrds | A | Ht | | Phillips | | Gage | | | | | | W、E | W、E | D | d | Wire | Torque kgf.cm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Phillips | Square/Combo | M | N | Phillips | | Square/Combo | | Square/Combo | | Phillips | Square/Combo | | | | |
| | | | | | | Recess | Q | Recess | P | Recess | P | | | | | | |
| #5-14 | 6.22<br>5.87 | 2.26<br>2.01 | 2.41<br>2.11 | Min.<br>3.69 | Min.<br>0.72 | #2 | 1.82<br>1.17 | #1 | 1.65<br>1.45 | — | — | — | — | 3.25<br>3.10 | 1.98<br>1.83 | 2.30 | 18 |
| #6-9 | 6.85<br>6.51 | 2.46<br>2.21 | 2.61<br>2.32 | Min.<br>3.89 | Min.<br>0.72 | #2 | 2.03<br>1.40 | #1 | 1.65<br>1.45 | #2 | 1.75<br>1.45 | W:Max. 3.60<br>E:Max. 0.80 | W:Max. 4.50<br>E:Max. 1.00 | 4.00<br>3.75 | 60° Thrd | 2.65 | 28 |
| #6-13 | 6.85<br>6.51 | 2.46<br>2.21 | 2.61<br>2.32 | Min.<br>3.89 | Min.<br>0.72 | #2 | 2.03<br>1.40 | #1 | 1.65<br>1.45 | #2 | 1.75<br>1.45 | W:Max. 3.60<br>E:Max. 0.80 | W:Max. 4.50<br>E:Max. 1.00 | 3.58<br>3.45 | 2.21<br>2.00 | 2.50 | 21 |
| #7-12 | 7.51<br>7.14 | 2.69<br>2.44 | 2.81<br>2.52 | Min.<br>4.15 | Min.<br>0.74 | #2 | 2.26<br>1.63 | #1 | 1.65<br>1.45 | — | — | W:Max. 4.00<br>E:Max. 0.80 | W:Max. 4.50<br>E:Max. 1.00 | 3.91<br>3.76 | 2.43<br>2.22 | 2.80 | 30 |
| #7-9 | 7.51<br>7.14 | 2.69<br>2.44 | 2.81<br>2.52 | Min.<br>4.15 | Min.<br>0.74 | #2 | 2.26<br>1.63 | #1 | 1.65<br>1.45 | — | — | W:Max. 4.00<br>E:Max. 0.80 | W:Max. 4.50<br>E:Max. 1.00 | 4.20<br>3.90 | 60° Thrd | 2.80 | 30 |
| #8-11 | 8.17<br>7.78 | 2.92<br>2.67 | 3.04<br>2.72 | Min.<br>4.30 | Min.<br>0.77 | #2 | 2.46<br>2.05 | #2 | 1.90<br>1.66 | — | — | W:Max. 4.30<br>E:Max. 1.00 | W:Max. 5.00<br>E:Max. 1.20 | 4.26<br>4.07 | 2.61<br>2.38 | 2.95 | 32 |
| #9-10 | 8.17<br>7.78 | 2.92<br>2.67 | 3.04<br>2.72 | Min.<br>4.30 | Min.<br>0.77 | #2 | 2.46<br>2.05 | #2 | 1.90<br>1.66 | — | — | — | — | 4.59<br>4.42 | 2.78<br>2.50 | 3.20 | 37 |
| #10-9 | 9.47<br>9.07 | 3.37<br>3.10 | 3.47<br>3.13 | Min.<br>4.73 | Min.<br>0.79 | #2 | 2.87<br>2.27 | #2 | 1.90<br>1.66 | — | — | W:Max. 5.00<br>E:Max. 1.20 | W:Max. 5.40<br>E:Max. 1.20 | 4.92<br>4.75 | 3.02<br>2.79 | 3.40 | 45 |
| #12-8 | 11.30<br>9.89 | 3.83<br>3.54 | 3.88<br>3.53 | Min.<br>6.25 | Min.<br>0.86 | #3 | 3.14<br>2.50 | #3 | 2.41<br>2.16 | — | — | W:Max. 5.40<br>E:Max. 1.20 | — | 5.50<br>5.00 | 3.50<br>3.20 | 3.80 | 60 |
| #14-8 | 12.49<br>12.02 | 4.44<br>4.12 | 4.44<br>4.07 | Min.<br>6.81 | Min.<br>0.91 | #3 | 3.65<br>3.00 | #3 | 2.41<br>2.16 | — | — | — | — | 6.65<br>6.40 | 4.88<br>4.62 | 5.20 | 165 |

unit:mm

| | |
|---|---|
| Customer approve: w/date | |
| Approved by : w/date | |
| CAD by : w/date | Steven Huang |
| Issued date : w/date | 2014.10.20<br>year-month-day |

Specification:

| | |
|---|---|
| Material: | C1022(C1018) |
| Recess | Phillips／Square／PH-SQ Combo |
| Head: | PAN Head |
| Thread: | ☐ 45° Thread |
| | ☐ 45° Thread+TY-17 |
| Heat Treatment: | |
| Core hardness: | HV 320-450 |
| Surface hardness: | HV 450-800 |
| Bending Angle: | ＞15°Breaking |
| Thread Length: | Below 1-1/8":full thread |
| | 1-1/4"~1-3/8": Max. 7/8" thread length (20-22mm) |
| | Above 1-1/2" : Max. 2/3 total length |
| Total Length: | Below 5/8" : +0 / - 0.039" (-1.0mm) |
| | Above 3/4" : +0 / - 0.05" (-1.2mm) |
| | Above 3-1/2"(incl.): +0 / - 0.08" (-2.0mm) |