



# SEGMENTED HDPE FITTINGS

## CEO STATEMENT

**CHAIRMAN,  
HOSSAM SEIF AL-NASR**

**رئيس مجلس الإدارة  
حسام سيف النصر**

Seif Al-Nasr company for plastic U.P.V.C & H.D.P.E pipes is considered one of the leading companies in pipe manufacturing, not only in Egypt but also in the Middle East. We produce pressurized and sewage plastic pipes and fittings with large diameters in Egypt and the middle east, with Egyptian and German standards.

Seif Al Nasr company offers our clients the highest quality not just for the pipes but also with the after-sales service. We ensure our valued clients with the highest pipe quality according to the global standards, starting with the quality assurance for raw materials before production and quality control during and after production as well as the responsibility of any damages that may occur to the pipes by our factory couriers under our supervision. After delivery, the after-sales team starts to follow up with our clients to ensure that all their requirements are fulfilled and the performance appraisal for our employees.

Seif Al Nasr company is up to date with the plastic pipes market to be a global enterprise and will be the standards by which other factories measure their performance. To achieve our vision, mission, goals, and objectives the chosen strategy must be up to date with the market. In the past 3 years, we used a great strategy, which is the penetration strategy to increase our market share. With our professional employees (sales department, technical engineers, labors and after-sales team), we have increased our market share by 28%.

Our new strategy starting with 2022, is the concentric integration strategy. To produce HDPE pipes and fittings for our valuable customers and fulfill all their needs by producing various pipe diameter range from 16 mm up to 1200 mm, as well as large fittings up to 1200mm. We also provide our customers with butt fusion welding on-site at their request to ensure no leak would happen.

Seif Al Nasr company believes that every drop count. So, the most precious liquid on earth can be transported without wasting a single drop of water.

تعتبر شركة سيف النصر للمواسير البلاستيك U.P.V.C & H.D.P.E من الشركات الرائدة في تصنيع المواسير ليس فقط في مصر ولكن أيضًا في الشرق الأوسط. نحن ننتج مواسير ووصلات بلاستيكية تستخم لمياه الشرب والصرف الصحي بأقطار كبيرة في مصر والشرق الأوسط، طبقا للمواصفات المصرية والألمانية.

تقدم شركة سيف النصر لعملائنا أعلى مستويات الجودة ليس فقط للمواسير ولكن أيضًا مع خدمة ما بعد البيع. نضمن لعملائنا الكرام أعلى جودة للمواسير وفقًا للمعايير العالمية، بدءًا من ضمان الجودة للمواد الخام قبل الإنتاج ومراقبة الجودة أثناء الإنتاج وبعده بالإضافة إلى المسؤولية عن أي أضرار قد تحدث من قبل ناقلي المواسير من خلال المصنع. بعد التسليم، يبدأ فريق ما بعد البيع في المتابعة مع عملائنا للتأكد من استيفاء جميع متطلباتهم وتقييم أداء موظفينا.

شركة سيف النصر مواكبة لسوق مواسير البلاستيكية لتكون مؤسسة عالمية وستكون المعايير التي تقيس بها المصانع الأخرى أدائها. لتحقيق رؤيتنا ورسالتنا وأهدافنا، يجب أن تكون الإستراتيجية المختارة مواكبة للسوق. خلال السنوات الثلاث الماضية استخدمنا إستراتيجية رائعة، وهي إستراتيجية الاختراق لزيادة حصتنا في السوق. من خلال موظفينا المحترفين (قسم المبيعات والمهندسين التقنيين والعمال وفريق ما بعد البيع و آخرين)، قمنا بزيادة حصتنا السوقية بنسبة 28%.

استراتيجيتنا الجديدة التي تبدأ مع ٢٠٢٢ هي إستراتيجية التكامل المركزي. لإنتاج مواسير ووصلات HDPE لعملائنا الكرام، وتلبية جميع احتياجاتهم من خلال إنتاج مختلف قطر المواسير من ١٦ مم إلى ١٢٠٠ مم، وكذلك القطع بمختلف أشكالها الكبيرة حتى ١٢٠٠ مم. كما نوفر لعملائنا اللحام الانصهار في الموقع حسب طلبهم، لضمان عدم حدوث تسرب.

تعتقد شركة سيف النصر أن كل قطرة لها قيمة. لذلك، يمكن نقل أثمن سائل على وجه الأرض دون إضاعة قطرة واحدة أو ماء من خلال مواسير سيف.



# **SEIF** **AL NASR COMPANY PROFILE**

FOR PLASTIC PIPES



Seif Al Nasr Company is considered one of the leading pipes manufacturers in the Egyptian plastic market, which was established in 2004 in Borg Al Arab, Alexandria, to meet the increased demand for high-quality plastic products in both local and regional markets.

Our latest factory on the 10th of Ramadan, Cairo is equipped with the most up-to-date machinery and equipment in Egypt. Which produces 40,000 K Tons (HDPE, LDPE) annually. Offering a wide range of HDPE pipes & fittings according to the global quality standards. Seif Al Nasr company offers a wide pipe diameter range from 16 mm up to 1200 mm with different pressure classes from 3.2 bar up to 20 bar. Seif Al Nasr provides a wide range of HDPE fittings up to 1200 mm according to the customers request.

**Seif al Nasr company** has threading, slotting, and perforating machines to cover all the customer needs. Our factories are equipped with the latest German technology and machinery to guarantee the highest level of quality products served by a professional team to our valuable customers.

## VISION

“Connecting people with water and energy that are safe and sustainable.  
We aspire to become the leader in the field of Plastic Piping Systems through the restless process of transforming innovative ideas into amazing realities. Seif Al-Nasr company will be a global business enterprise and will be the standards by which other factories measure their performance.”

## MISSION

Seif Al-Nasr for pipes is a revolution in U-PVC and H.D.P.E. infrastructure pipes industry.  
We produce the largest pressurized and sewage plastic pipes diameters in Egypt and the Middle East with Egyptian and German standards.  
Through our experienced quality control team, we deliver the product according to German and Egyptian Standards.





## FACTORIES

**10TH OF RAMADAN FACTORY,  
BLOCK 13, SOUTH A6, EGYPT**

e-mail: [sales@seifelnasr.com](mailto:sales@seifelnasr.com)

**BORG AL ARAB FACTORY, 4TH ZONE  
BLOCK 34, PLOT 22&1, EGYPT**

e-mail: [sales@seifelnasr.com](mailto:sales@seifelnasr.com)

# SIEF ALNASR

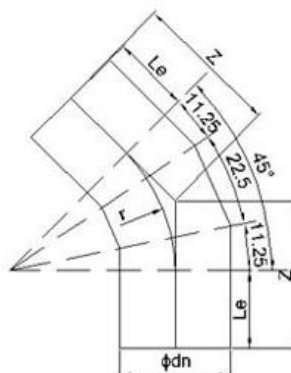
## SEGMENTED HDPE FITTINGS

HDPE Welded Pipe Fittings:

- Elbow ( 11.5 degree, 22.5 degree, 30 degree, 45 degree, 60 degree, 75 degree, 90 degree elbow, etc. angle can be customized). Tee, oblique tee, Y-type tee, cross, and other customized pipe fittings of various shapes that customers need for construction. All of these fabricated fittings are manufactured and tested in accordance with ASTM 2206 - "Standard Specification for Fabricated Fittings of Welded Polyethylene Plastic Pipe." in accordance with the ISO 4427, EN12201, ISO 14001、 ISO 9001、 AS/NZS 4129 PE Fittings, ISO4437 standards etc. From the diameter OD50 to 1200mm.



## Fabricated HDPE 30 Degree Elbow



| $\phi dn$ | $\phi dn$ | r   | Le min | Z min |
|-----------|-----------|-----|--------|-------|
| mm        | inch      | mm  | mm     | 45°   |
| 90        | 3         | 135 | 100    | 156   |
| 110       | 4         | 165 | 150    | 218   |
| 125       | 5         | 188 | 150    | 228   |
| 140       | 5.5       | 210 | 150    | 237   |
| 160       | 6         | 240 | 150    | 249   |
| 180       | 6         | 270 | 150    | 262   |
| 200       | 8         | 300 | 150    | 274   |
| 225       | 8         | 338 | 150    | 290   |
| 250       | 10        | 375 | 250    | 412   |
| 280       | 10        | 420 | 250    | 424   |
| 315       | 12        | 473 | 300    | 498   |
| 355       | 14        | 533 | 300    | 520   |
| 400       | 16        | 600 | 300    | 548   |

| $\phi dn$ | $\phi dn$ | r    | Le min | Z min |
|-----------|-----------|------|--------|-------|
| mm        | inch      | mm   | mm     | 30°   |
| 450       | 18        | 675  | 300    | 580   |
| 500       | 20        | 750  | 350    | 665   |
| 560       | 22        | 840  | 350    | 698   |
| 630       | 24        | 945  | 350    | 741   |
| 710       | 28        | 1065 | 350    | 792   |
| 800       | 32        | 1200 | 350    | 847   |
| 900       | 36        | 1350 | 400    | 960   |
| 1000      | 40        | 1500 | 400    | 1022  |
| 1200      | 48        | 1800 | 400    | 1146  |
| 1400      | 54        | 2100 | 400    | 1270  |
| 1600      | 64        | 2400 | 400    | 1394  |
| R=1.5d    |           |      |        |       |

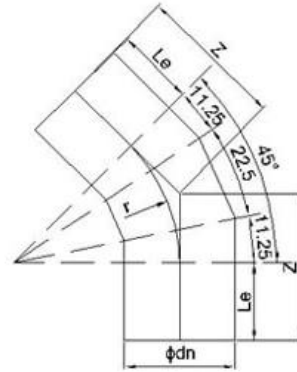
1. Dia: DN110-1600mm(4 inch- 64 inch).

2. Pressure Class: SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. Pressure Class: PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

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## Segmented HDPE 45 Degree Elbow



| $\phi_{dn}$ | $\phi_{dn}$ | r   | Le min | Z min |
|-------------|-------------|-----|--------|-------|
| mm          | inch        | mm  | mm     | 30°   |
| 90          | 3           | 135 | 100    | 136   |
| 110         | 4           | 165 | 150    | 194   |
| 125         | 5           | 188 | 150    | 200   |
| 140         | 5.5         | 210 | 150    | 206   |
| 160         | 6           | 240 | 150    | 214   |
| 180         | 6           | 270 | 150    | 222   |
| 200         | 8           | 300 | 150    | 230   |
| 225         | 8           | 338 | 150    | 241   |
| 250         | 10          | 375 | 250    | 350   |
| 280         | 10          | 420 | 250    | 362   |
| 315         | 12          | 473 | 300    | 428   |
| 355         | 14          | 533 | 300    | 443   |
| 400         | 16          | 600 | 300    | 461   |

| $\phi_{dn}$ | $\phi_{dn}$ | r      | Le min | Z min |
|-------------|-------------|--------|--------|-------|
| mm          | inch        | mm     | mm     | 30°   |
| 450         | 18          | 675    | 300    | 481   |
| 500         | 20          | 750    | 350    | 551   |
| 560         | 22          | 840    | 350    | 575   |
| 630         | 24          | 945    | 350    | 603   |
| 710         | 28          | 1065   | 350    | 636   |
| 800         | 32          | 1200   | 350    | 672   |
| 900         | 36          | 1350   | 400    | 762   |
| 1000        | 40          | 1500   | 400    | 802   |
| 1200        | 48          | 1800   | 400    | 882   |
| 1400        | 54          | 2100   | 400    | 963   |
| 1600        | 64          | 2400   | 400    | 1043  |
|             |             | R=1.5d |        |       |

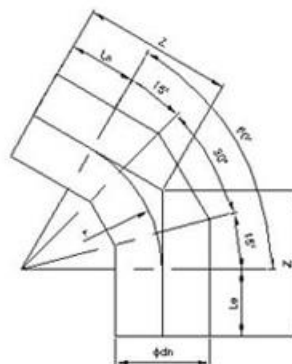
1. Dia: DN110-1600mm(4 inch- 64 inch).

2. Pressure Class: SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. Pressure Class: PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

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## Segmented HDPE 60 Degree Elbow



| $\phi dn$ | $\phi dn$ | r   | Le min | Z min |
|-----------|-----------|-----|--------|-------|
| mm        | inch      | mm  | mm     | 60°   |
| 90        | 3         | 135 | 100    | 235   |
| 110       | 4         | 165 | 150    | 315   |
| 125       | 5         | 188 | 150    | 338   |
| 140       | 5         | 210 | 150    | 360   |
| 160       | 6         | 240 | 150    | 440   |
| 180       | 6         | 270 | 150    | 470   |
| 200       | 8         | 300 | 150    | 500   |
| 225       | 8         | 338 | 150    | 538   |
| 250       | 10        | 375 | 250    | 625   |
| 280       | 10        | 420 | 250    | 670   |
| 315       | 12        | 473 | 300    | 773   |
| 355       | 14        | 533 | 300    | 833   |
| 400       | 16        | 600 | 300    | 900   |

| $\phi dn$ | $\phi dn$ | r    | Le min | Z min |
|-----------|-----------|------|--------|-------|
| mm        | inch      | mm   | mm     | 60°   |
| 450       | 18        | 675  | 300    | 975   |
| 500       | 20        | 750  | 350    | 1100  |
| 560       | 22        | 840  | 350    | 1190  |
| 630       | 24        | 945  | 350    | 1295  |
| 710       | 28        | 1065 | 350    | 1415  |
| 800       | 32        | 1200 | 350    | 1550  |
| 900       | 36        | 1350 | 400    | 1750  |
| 1000      | 40        | 1500 | 400    | 1900  |
| 1200      | 48        | 1800 | 400    | 2200  |
| 1400      | 54        | 2100 | 400    | 2500  |
| 1600      | 64        | 2400 | 400    | 2800  |
| R=1.5d    |           |      |        |       |

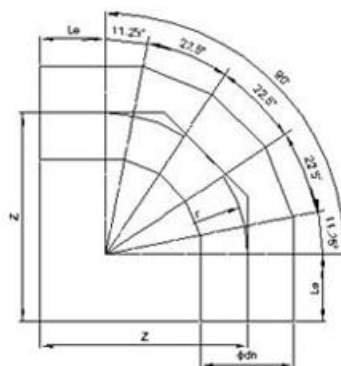
1. Dia: DN110-1600mm(4 inch- 64 inch).

2. Pressure Class: SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. Pressure Class: PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

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## Segmented HDPE 90 Degree Elbow



| $\phi dn$ | $\phi dn$ | r   | Le min | Z min |
|-----------|-----------|-----|--------|-------|
| mm        | inch      | mm  | mm     | 90°   |
| 90        | 3         | 135 | 100    | 178   |
| 110       | 4         | 165 | 150    | 245   |
| 125       | 5         | 188 | 150    | 258   |
| 140       | 5         | 210 | 150    | 271   |
| 160       | 6         | 240 | 150    | 288   |
| 180       | 6         | 270 | 150    | 305   |
| 200       | 8         | 300 | 150    | 323   |
| 225       | 8         | 338 | 150    | 345   |
| 250       | 10        | 375 | 250    | 466   |
| 280       | 10        | 420 | 250    | 492   |
| 315       | 12        | 473 | 300    | 576   |
| 355       | 14        | 533 | 300    | 608   |
| 400       | 16        | 600 | 300    | 646   |

| $\phi dn$ | $\phi dn$ | r    | Le min | Z min |
|-----------|-----------|------|--------|-------|
| mm        | inch      | mm   | mm     | 90°   |
| 450       | 18        | 675  | 300    | 689   |
| 500       | 20        | 750  | 350    | 783   |
| 560       | 22        | 840  | 350    | 835   |
| 630       | 24        | 945  | 350    | 896   |
| 710       | 28        | 1065 | 350    | 965   |
| 800       | 32        | 1200 | 350    | 1043  |
| 900       | 36        | 1350 | 400    | 1179  |
| 1000      | 40        | 1500 | 400    | 1266  |
| 1200      | 48        | 1800 | 400    | 1439  |
| 1400      | 54        | 2100 | 400    | 1612  |
| 1600      | 64        | 2400 | 400    | 1786  |
| R=1.5d    |           |      |        |       |

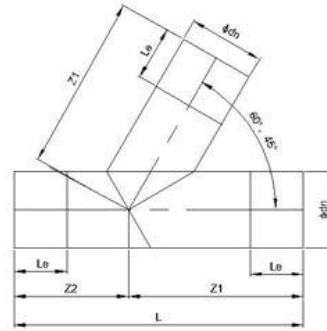
1. Dia: DN110-1600mm(4 inch- 64 inch).

2. Pressure Class: SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. Pressure Class: PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

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## Segmented HDPE Y Tee



| $\phi_{dn}$ | $\phi_{dn}$ | $L_e$<br>min | $L$<br>min | $Z1$<br>min | $Z2$<br>min |
|-------------|-------------|--------------|------------|-------------|-------------|
| mm          | inch        | mm           | mm         | mm          | mm          |
| 90          | 3           | 100          | 650        | 385         | 265         |
| 110         | 4           | 150          | 700        | 425         | 275         |
| 125         | 5           | 150          | 745        | 455         | 290         |
| 140         | 5 1/2       | 150          | 781        | 475         | 306         |
| 160         | 6           | 150          | 842        | 512         | 330         |
| 180         | 6           | 150          | 900        | 550         | 350         |
| 200         | 8           | 150          | 959        | 587         | 375         |
| 225         | 8           | 150          | 1030       | 630         | 400         |
| 250         | 10          | 250          | 1305       | 780         | 525         |
| 280         | 10          | 250          | 1395       | 830         | 565         |
| 315         | 12          | 300          | 1490       | 890         | 600         |
| 355         | 14          | 300          | 1555       | 930         | 625         |
| 400         | 16          | 300          | 1650       | 1000        | 650         |

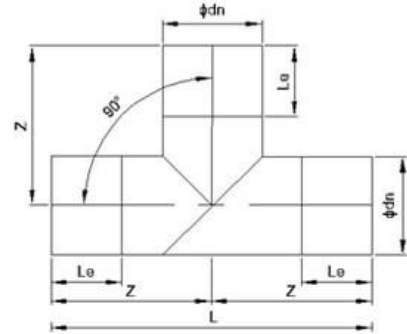
| $\phi_{dn}$ | $\phi_{dn}$ | $L_e$<br>min | $L$<br>min | $Z1$<br>min | $Z2$<br>min |
|-------------|-------------|--------------|------------|-------------|-------------|
| mm          | inch        | mm           | mm         | mm          | mm          |
| 450         | 18          | 300          | 1725       | 1050        | 675         |
| 500         | 20          | 350          | 1900       | 1150        | 750         |
| 560         | 22          | 350          | 1980       | 1200        | 780         |
| 630         | 24          | 350          | 2045       | 1250        | 795         |
| 710         | 28          | 350          | 2170       | 1340        | 830         |
| 800         | 32          | 350          | 2310       | 1430        | 880         |
| 900         | 36          | 400          | 2310       | 1620        | 970         |
| 1000        | 40          | 400          | 2590       | 1660        | 1010        |
| 1200        | 48          | 400          | 2680       | 1750        | 1100        |
| 1400        | 54          | 400          | 3000       | 1800        | 1200        |
| 1600        | 64          | 400          | 3000       | 1800        | 1200        |

1. **Dia:** DN110-1600mm(4 inch- 64 inch).

2. **Pressure Class:** SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. **Pressure Class:** PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

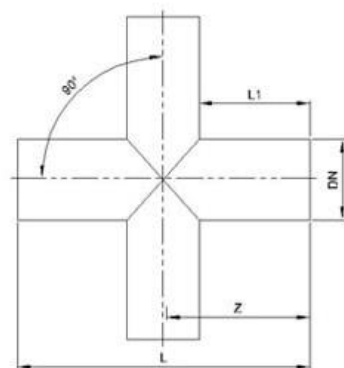
## Segmented HDPE Tee



| $\phi dn$ | $\phi dn$ | $L_e$ min | $L$ min | $Z$ min |
|-----------|-----------|-----------|---------|---------|
| mm        | inch      | mm        | mm      | mm      |
| 90        | 3         | 100       | 590     | 295     |
| 110       | 4         | 150       | 610     | 305     |
| 125       | 5         | 150       | 630     | 315     |
| 140       | 5.5       | 150       | 640     | 320     |
| 160       | 6         | 150       | 660     | 330     |
| 180       | 6         | 150       | 680     | 340     |
| 200       | 8         | 150       | 700     | 350     |
| 225       | 8         | 150       | 730     | 365     |
| 250       | 10        | 250       | 1150    | 575     |
| 280       | 10        | 250       | 1180    | 590     |
| 315       | 12        | 300       | 1320    | 660     |
| 355       | 14        | 300       | 1360    | 680     |
| 400       | 16        | 300       | 1400    | 700     |

| $\phi dn$ | $\phi dn$ | $L_e$ min | $L$ min | $Z$ min |
|-----------|-----------|-----------|---------|---------|
| mm        | inch      | mm        | mm      | mm      |
| 450       | 18        | 300       | 1450    | 725     |
| 500       | 20        | 350       | 1600    | 800     |
| 560       | 22        | 350       | 1660    | 830     |
| 630       | 24        | 350       | 1730    | 865     |
| 710       | 28        | 350       | 1810    | 905     |
| 800       | 32        | 350       | 1900    | 950     |
| 900       | 36        | 400       | 2100    | 1050    |
| 1000      | 40        | 400       | 2200    | 1100    |
| 1200      | 48        | 400       | 2400    | 1200    |
| 1400      | 54        | 400       | 2400    | 1200    |
| 1600      | 64        | 400       | 2400    | 1200    |

# Segmented HDPE 30 Degree Elbow



| DN  | DN    | L   | L1  |
|-----|-------|-----|-----|
| mm  | inch  | mm  | mm  |
| 50  | 1 1/2 | 390 | 170 |
| 63  | 2     | 403 | 170 |
| 75  | 2 1/2 | 415 | 170 |
| 90  | 3     | 430 | 170 |
| 110 | 4     | 670 | 280 |
| 125 | 5     | 685 | 280 |
| 140 | 5 1/2 | 700 | 280 |
| 160 | 6     | 720 | 280 |
| 180 | 6     | 780 | 300 |
| 200 | 8     | 800 | 300 |
| 225 | 8     | 825 | 300 |
| 250 | 10    | 850 | 300 |
| 280 | 10    | 880 | 300 |

| $\phi$ dn | $\phi$ dn | r    | Le min | Z min |
|-----------|-----------|------|--------|-------|
| mm        | inch      | mm   | mm     | 30°   |
| 450       | 18        | 675  | 300    | 580   |
| 500       | 20        | 750  | 350    | 665   |
| 560       | 22        | 840  | 350    | 698   |
| 630       | 24        | 945  | 350    | 741   |
| 710       | 28        | 1065 | 350    | 792   |
| 800       | 32        | 1200 | 350    | 847   |
| 900       | 36        | 1350 | 400    | 960   |
| 1000      | 40        | 1500 | 400    | 1022  |
| 1200      | 48        | 1800 | 400    | 1146  |
| 1400      | 54        | 2100 | 400    | 1270  |
| 1600      | 64        | 2400 | 400    | 1394  |
| R=1.5d    |           |      |        |       |

1. Dia: DN110-1600mm(4 inch- 64 inch).

2. Pressure Class: SDR26, SDR21, SDR17, SDR13.6, SDR11, SDR9, SDR7.4, SDR6.

3. Pressure Class: PN6, PN8, PN10, PN12.5, PN16, PN20, PN25, PN32.

## NOTES

SEIF



+201096133015 +201004101040 info@2-pq.com

www.2-pq.com