

# Safety Footwear

## Size Conversions

<b>UK sizes</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>6½</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>10½</b>	<b>11</b>	<b>12</b>	<b>13</b>
<b>Continental</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>

## EN20345 Key

<b>SB</b>	<i>Safety Basic - 200 joules toe protection</i>
<b>S1</b>	<i>Safety Basic, antistatic and energy absorbing heel</i>
<b>S2</b>	<i>Safety Basic, antistatic, energy absorbing heel and water resistant upper</i>
<b>S3</b>	<i>Safety Basic, antistatic, energy absorbing heel, water resistant upper and steel mid-sole</i>
<b>S4</b>	<i>Safety Basic with 100% waterproof upper</i>
<b>S5</b>	<i>Safety Basic with 100% waterproof upper and steel mid-sole</i>
<b>HRO</b>	<i>Heat Resistant on contact</i>

## Slip resistance

Minimum requirements EN ISO 2034x:2007 (where x = 5, 6 or 7)

**SRA** Testing ground: ceramic      Lubricant: cleanser  
≥ 0.32 flat footwear                      ≥ 0.28 footwear with a 7° heel incline

**SRB** Testing ground: steel              Lubricant: glycerine  
≥ 0.18 flat footwear                        ≥ 0.13 footwear with a 7° heel incline

**SRC** Both above requirements

## European Legislation

The European legislation in force since 1993 distinguishes the type of footwear according to the level of risk, establishing the specific requirements for each category.

1. Safety footwear EN ISO 20345:2004/A1:2007 - category S (Safety) These are provided with toe caps made to give protection against knocks up to an energy level of 200 joules and against the risk of crushing with a maximum load of 15.000 N.
2. Protective footwear EN ISO 20346:2004/A1:2007- category P (Protection) These are provided with toe caps made to give protection against knocks up to an energy level of 100 joules and against the risk of crushing with a maximum load of 10.00 N.
3. Occupational footwear EN ISO 20347:2004/1:2007- category O. They are not provided with protective toe caps.

The pierce resistant sole guarantees resistance to perforations of up to a load of 1.100 N. The identification symbol is P. A quick release device must be used in the event of danger of infiltration by incandescent parts and/or corrosive liquids. The safety footwear is Category II – in compliance with the European Directive EEC 89/686.

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