



# 2019 Parts Catalog North America



# **aquatechnik NA**

Professional PP-RCT 125 and Multi-Layer Piping Solutions



# Table of Contents

|                    |           |
|--------------------|-----------|
| <b>Legend</b>      | <b>8</b>  |
| <b>Fusion-Tech</b> | <b>9</b>  |
| <b>Iso-Tech</b>    | <b>38</b> |
| <b>Safety®-Pol</b> | <b>57</b> |

## Fusion-Tech

|                                                                 |           |
|-----------------------------------------------------------------|-----------|
| <b>FUSION-TECH BLUE STRIPED PIPE</b>                            | <b>3</b>  |
| <b>FUSION-TECH faser FIBER-T RED STRIPED PIPE</b>               | <b>3</b>  |
| <b>FUSION-TECH faser FIBER-COND GREY STRIPED PIPE</b>           | <b>4</b>  |
| <b>FUSION-TECH VIOLET PIPE</b>                                  | <b>4</b>  |
| <b>SHELL</b>                                                    | <b>5</b>  |
| <b>COUPLING</b>                                                 | <b>5</b>  |
| <b>BUSHING</b>                                                  | <b>6</b>  |
| <b>REDUCER</b>                                                  | <b>6</b>  |
| <b>90° ELBOW</b>                                                | <b>7</b>  |
| <b>90° ELBOW</b>                                                | <b>8</b>  |
| <b>90° SOCKET X MALE ELBOW</b>                                  | <b>8</b>  |
| <b>45° ELBOW</b>                                                | <b>8</b>  |
| <b>45° MALE ELBOW</b>                                           | <b>9</b>  |
| <b>TEE</b>                                                      | <b>9</b>  |
| <b>REDUCING TEE</b>                                             | <b>10</b> |
| <b>DIRECT FUSION OUTLET</b>                                     | <b>11</b> |
| <b>DIRECT FUSION OUTLET X THREADED FEMALE</b>                   | <b>11</b> |
| <b>FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION</b> | <b>11</b> |
| <b>SADDLE FUSION OUTLET</b>                                     | <b>12</b> |
| <b>CROSS</b>                                                    | <b>13</b> |
| <b>CAP</b>                                                      | <b>13</b> |
| <b>FLANGE ADAPTER</b>                                           | <b>14</b> |
| <b>ALUMINUM FLANGE</b>                                          | <b>15</b> |
| <i>faser</i> <b>FIBER-T RED STRIPED PIPE CROSSOVER</b>          | <b>15</b> |
| <i>faser</i> <b>FIBER-COND GREY STRIPED PIPE CROSSOVER</b>      | <b>15</b> |
| <b>FEMALE THREADED ADAPTER</b>                                  | <b>16</b> |
| <b>FEMALE THREADED HEX ADAPTER</b>                              | <b>16</b> |
| <b>FEMALE THREADED BUSHING</b>                                  | <b>16</b> |
| <b>FEMALE THREADED HEX BUSHING</b>                              | <b>16</b> |
| <b>MALE THREADED ADAPTER</b>                                    | <b>17</b> |
| <b>MALE THREADED HEX ADAPTER</b>                                | <b>17</b> |
| <b>MALE THREADED BUSHING</b>                                    | <b>17</b> |
| <b>MALE THREADED HEX BUSHING</b>                                | <b>17</b> |
| <b>FEMALE THREAD X SOCKET ELBOW</b>                             | <b>18</b> |
| <b>DROP EAR ELBOW</b>                                           | <b>18</b> |
| <b>FEMALE THREADED X MALE SOCKET ELBOW</b>                      | <b>18</b> |
| <b>MALE THREADED X SOCKET ELBOW</b>                             | <b>18</b> |

|                                                                         |           |
|-------------------------------------------------------------------------|-----------|
| <b>FEMALE THREADED TEE</b>                                              | <b>19</b> |
| <b>MALE THREADED TEE</b>                                                | <b>19</b> |
| <b>PIPE UNION</b>                                                       | <b>19</b> |
| <b>PIPE UNION with CHECK VALVE</b>                                      | <b>19</b> |
| <b>PIPE UNION</b>                                                       | <b>20</b> |
| <b>MALE THREADED PIPE UNION</b>                                         | <b>20</b> |
| <b>FEMALE THREADED PIPE UNION</b>                                       | <b>20</b> |
| <b>RING NUT - FEMALE</b>                                                | <b>20</b> |
| <b>PP-R PIPE PLUG</b>                                                   | <b>21</b> |
| <b>ELECTRO-FUSION COUPLING</b>                                          | <b>21</b> |
| <b>BALL VALVE</b>                                                       | <b>21</b> |
| <b>HANDLE</b>                                                           | <b>22</b> |
| <b>PIPE UNION ADAPTER WITH NUT</b>                                      | <b>22</b> |
| <b>PP-R BALL VALVE &amp; BODY, FULLY IN PP-R</b>                        | <b>22</b> |
| <b>GLOBE STOP-COCK</b>                                                  | <b>23</b> |
| <b>BALL STOP-COCK w/ CONCEALED HANDLE &amp; COVER</b>                   | <b>23</b> |
| <b>GLOBE STOP-COCK w/ CHROME HANDLE</b>                                 | <b>23</b> |
| <b>GLOBE STOP-COCK w/ CHROME HANDLE</b>                                 | <b>23</b> |
| <b>GLOBE STOP-COCK BODY</b>                                             | <b>23</b> |
| <b>STOP-COCK BODY WITH BALL VALVE</b>                                   | <b>24</b> |
| <b>AUGER (VALVE STEM)</b>                                               | <b>24</b> |
| <b>HANDWHEEL</b>                                                        | <b>24</b> |
| <b>CAP</b>                                                              | <b>24</b> |
| <b>COMPLETE HANDWHEEL AUGER (VALVE STEM)</b>                            | <b>24</b> |
| <b>HANDLE</b>                                                           | <b>25</b> |
| <b>AUGER (VALVE STEM)</b>                                               | <b>25</b> |
| <b>EXTENSION</b>                                                        | <b>25</b> |
| <b>CLIPS</b>                                                            | <b>25</b> |
| <b>CLOSING CAP</b>                                                      | <b>26</b> |
| <b>O-RING</b>                                                           | <b>26</b> |
| <b>AIR-BUBBLE SPACER</b>                                                | <b>26</b> |
| <b>PRE-BORED PLATE</b>                                                  | <b>26</b> |
| <b>POSITIONER</b>                                                       | <b>26</b> |
| <b>RING CLAMPS</b>                                                      | <b>27</b> |
| <b>RING CLAMPS</b>                                                      | <b>27</b> |
| <b>Miller</b>                                                           | <b>27</b> |
| <b>APPROVED PP-RCT 125 AND PP-R SUPER 80 TOOL MANUFACTURER CONTACTS</b> | <b>28</b> |

|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>Iso-Tech Applicable Certifications, Standards and Regulations</b> | <b>31</b> |
| <b>faser ISO FIBER-T RED STRIPED PIPE</b>                            | <b>32</b> |
| <b>faser ISO FIBER-T RED STRIPED PIPE</b>                            | <b>32</b> |
| <b>90° faser ISO FIBER-T RED STRIPED ELBOW</b>                       | <b>33</b> |
| <b>90° faser ISO FIBER-T RED STRIPED LONG ELBOW</b>                  | <b>33</b> |
| <b>45° faser ISO FIBER-T RED STRIPED ELBOW</b>                       | <b>34</b> |
| <b>faser ISO FIBER-T RED STRIPED TEE</b>                             | <b>34</b> |
| <b>faser ISO FIBER-T RED STRIPED OVER-RUN TEE</b>                    | <b>35</b> |
| <b>faser ISO FIBER-T RED STRIPED REDUCED TEE</b>                     | <b>35</b> |
| <b>faser ISO FIBER-T RED STRIPED REDUCED OVER-RUN TEE</b>            | <b>37</b> |
| <b>faser ISO FIBER-COND GREY STRIPED PIPE</b>                        | <b>38</b> |
| <b>90° faser ISO FIBER-COND GREY STRIPED ELBOW</b>                   | <b>39</b> |
| <b>90° faser ISO FIBER-COND GREY STRIPED ELBOW LONG</b>              | <b>40</b> |
| <b>45° faser ISO FIBER-COND GREY STRIPED ELBOW</b>                   | <b>40</b> |
| <b>faser ISO FIBER-COND GREY STRIPED TEE</b>                         | <b>41</b> |
| <b>faser ISO FIBER-COND GREY STRIPED OVER-RUN TEE</b>                | <b>41</b> |
| <b>faser ISO FIBER-COND GREY STRIPED REDUCED TEE</b>                 | <b>42</b> |
| <b>faser ISO FIBER-COND GREY STRIPED REDUCED OVER-RUN TEE</b>        | <b>43</b> |
| <b>SINGLE-SEALING JOINT KIT</b>                                      | <b>45</b> |
| <b>DOUBLE-SEALING JOINT KIT</b>                                      | <b>45</b> |
| <b>SINGLE-SEALING JOINT KIT</b>                                      | <b>46</b> |
| <b>DOUBLE-SEALING JOINT KIT</b>                                      | <b>47</b> |
| <b>CLOSING COLLAR</b>                                                | <b>47</b> |
| <b>SEALING RING</b>                                                  | <b>48</b> |
| <b>TAPERED MATRIX</b>                                                | <b>48</b> |
| <b>CLEANING LIQUID</b>                                               | <b>48</b> |
| <b>CURING CAPS</b>                                                   | <b>48</b> |
| <b>END CAPS</b>                                                      | <b>48</b> |

|                                                                 |           |
|-----------------------------------------------------------------|-----------|
| <b>FUSION-TECH faser FIBER-COND UV BLACK PIPE</b>               | <b>51</b> |
| <b>COUPLING</b>                                                 | <b>51</b> |
| <b>BUSHING</b>                                                  | <b>52</b> |
| <b>REDUCER</b>                                                  | <b>52</b> |
| <b>90° ELBOW</b>                                                | <b>53</b> |
| <b>90° SOCKET X MALE ELBOW</b>                                  | <b>53</b> |
| <b>CROSS</b>                                                    | <b>53</b> |
| <b>45° ELBOW</b>                                                | <b>54</b> |
| <b>45° MALE ELBOW</b>                                           | <b>54</b> |
| <b>TEE</b>                                                      | <b>55</b> |
| <b>CAP</b>                                                      | <b>55</b> |
| <b>REDUCING TEE</b>                                             | <b>56</b> |
| <b>SADDLE FUSION OUTLET</b>                                     | <b>57</b> |
| <b>DIRECT FUSION OUTLET</b>                                     | <b>57</b> |
| <b>DIRECT FUSION OUTLET X THREADED FEMALE</b>                   | <b>57</b> |
| <b>FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION</b> | <b>58</b> |
| <b>FLANGE ADAPTER</b>                                           | <b>58</b> |
| <b>ALUMINUM FLANGE</b>                                          | <b>58</b> |
| <i>faser</i> <b>FIBER-T PIPE CROSSOVER</b>                      | <b>59</b> |
| <b>FEMALE THREADED ADAPTER</b>                                  | <b>59</b> |
| <b>FEMALE THREADED HEX ADAPTER</b>                              | <b>59</b> |
| <b>FEMALE THREADED BUSHING</b>                                  | <b>59</b> |
| <b>FEMALE THREADED HEX BUSHING</b>                              | <b>60</b> |
| <b>MALE THREADED ADAPTER</b>                                    | <b>60</b> |
| <b>MALE THREADED HEX ADAPTER</b>                                | <b>60</b> |
| <b>MALE THREADED BUSHING</b>                                    | <b>60</b> |
| <b>MALE THREADED HEX BUSHING</b>                                | <b>61</b> |
| <b>FEMALE THREAD X SOCKET ELBOW</b>                             | <b>61</b> |
| <b>DROP EAR ELBOW</b>                                           | <b>61</b> |
| <b>FEMALE THREADED X MALE SOCKET ELBOW</b>                      | <b>61</b> |
| <b>MALE THREADED X SOCKET ELBOW</b>                             | <b>62</b> |
| <b>FEMALE THREADED TEE</b>                                      | <b>62</b> |
| <b>MALE THREADED TEE</b>                                        | <b>62</b> |
| <b>PIPE UNION ADAPTER WITH NUT</b>                              | <b>62</b> |
| <b>GLOBE STOP-COCK BODY</b>                                     | <b>63</b> |
| <b>STOP-COCK BODY WITH BALL VALVE</b>                           | <b>63</b> |
| <b>PIPE UNION</b>                                               | <b>63</b> |
| <b>PIPE UNION with CHECK VALVE</b>                              | <b>63</b> |
| <b>PP-R PIPE PLUG</b>                                           | <b>63</b> |
| <b>BALL VALVE</b>                                               | <b>64</b> |
| <b>PRE-BORED PLATE</b>                                          | <b>64</b> |

|                                                                         |           |
|-------------------------------------------------------------------------|-----------|
| <b>Safety®-Pol Applicable Certifications, Standards and Regulations</b> | <b>66</b> |
| <b>MULTI-CALOR PIPE</b>                                                 | <b>67</b> |
| <b>MULTI-CALOR PIPE</b>                                                 | <b>67</b> |
| <b>SHELL</b>                                                            | <b>67</b> |
| <b>THREADED MALE JOINT</b>                                              | <b>68</b> |
| <b>THREADED FEMALE JOINT</b>                                            | <b>68</b> |
| <b>REDUCER</b>                                                          | <b>68</b> |
| <b>THREADED FEMALE ELBOW w BRACKET</b>                                  | <b>69</b> |
| <b>THREADED FEMALE ELBOW</b>                                            | <b>69</b> |
| <b>THREADED MALE ELBOW</b>                                              | <b>69</b> |
| <b>THREADED F/F ELBOW</b>                                               | <b>69</b> |
| <b>THREADED M/F ELBOW</b>                                               | <b>70</b> |
| <b>90° M/F ELBOW</b>                                                    | <b>70</b> |
| <b>90° ELBOW</b>                                                        | <b>70</b> |
| <b>90° F/F ELBOW</b>                                                    | <b>70</b> |
| <b>45° ELBOW</b>                                                        | <b>71</b> |
| <b>PIPE COUPLING</b>                                                    | <b>71</b> |
| <b>REDUCED PIPE COUPLING</b>                                            | <b>71</b> |
| <b>F/F Nipple</b>                                                       | <b>71</b> |
| <b>THREADED FEMALE TEE</b>                                              | <b>72</b> |
| <b>OFFSET THREADED FEMALE TEE</b>                                       | <b>72</b> |
| <b>TEE</b>                                                              | <b>72</b> |
| <b>REDUCED TEE</b>                                                      | <b>72</b> |
| <b>CLOSING CAP MALE</b>                                                 | <b>73</b> |
| <b>CLOSING CAP FEMALE</b>                                               | <b>73</b> |
| <b>GLOBE VALVE w/CHROME PLATED COVER</b>                                | <b>73</b> |
| <b>GLOBE VALVE w/CHROME PLATED HANDLE</b>                               | <b>73</b> |
| <b>GLOBE VALVE w/ HANDWHEEL</b>                                         | <b>74</b> |
| <b>BALL VALVE w/ BUTTERFLY HANDLE</b>                                   | <b>74</b> |
| <b>MODULAR MANIFOLD</b>                                                 | <b>74</b> |
| <b>MULTI-RAPID MANIFOLD w SHUT-OFF VALVE</b>                            | <b>75</b> |
| <b>CROSS MANIFOLD</b>                                                   | <b>75</b> |
| <b>CO-PLANER MANIFOLD</b>                                               | <b>75</b> |
| <b>DERIVATION MANIFOLD</b>                                              | <b>76</b> |
| <b>DERIVATION MANIFOLD M/F</b>                                          | <b>76</b> |
| <b>MANIFOLD BODY</b>                                                    | <b>76</b> |
| <b>FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION</b>         | <b>76</b> |
| <b>CAP</b>                                                              | <b>77</b> |
| <b>BRASS CAP</b>                                                        | <b>77</b> |

|                                                                   |           |
|-------------------------------------------------------------------|-----------|
| <b>BRASS REDUCER CAP</b>                                          | <b>77</b> |
| <b>AUTOMATIC AIR VENT</b>                                         | <b>77</b> |
| <b>MANUAL AIR VENT</b>                                            | <b>77</b> |
| <b>BUTTERFLY HANDLE</b>                                           | <b>78</b> |
| <b>SHUT-OFF VALVE for MANIFOLD</b>                                | <b>78</b> |
| <b>HANDWHEEL</b>                                                  | <b>78</b> |
| <b>AUGER</b>                                                      | <b>78</b> |
| <b>HANDWHEEL</b>                                                  | <b>78</b> |
| <b>BRASS AUGER</b>                                                | <b>78</b> |
| <b>HANDLE</b>                                                     | <b>79</b> |
| <b>HANDLE</b>                                                     | <b>79</b> |
| <b>SHUT-OFF VALVE AUGER</b>                                       | <b>79</b> |
| <b>VALVE PLATE</b>                                                | <b>79</b> |
| <b>CAP</b>                                                        | <b>79</b> |
| <b>EXTENSION</b>                                                  | <b>79</b> |
| <b>O-RING</b>                                                     | <b>80</b> |
| <b>SPACER</b>                                                     | <b>80</b> |
| <b>LOCKING BRACKET</b>                                            | <b>80</b> |
| <b>SEALANT</b>                                                    | <b>80</b> |
| <b>MIXING NOZZLE</b>                                              | <b>80</b> |
| <b>DOSING PISTOL</b>                                              | <b>81</b> |
| <b>GREASE</b>                                                     | <b>81</b> |
| <b>CLIPS</b>                                                      | <b>81</b> |
| <b>CLOSING CAP</b>                                                | <b>81</b> |
| <b>CLOSING CAP O-RING</b>                                         | <b>81</b> |
| <b>SPACER</b>                                                     | <b>81</b> |
| <b>FIXED PRE-BORED BRACKET</b>                                    | <b>82</b> |
| <b>RING CLAMPS</b>                                                | <b>82</b> |
| <b>ELASTOMERIC ADAPTER for BBR 90</b>                             | <b>82</b> |
| <b>GREASE for CONICAL PIN, for BBR 90</b>                         | <b>82</b> |
| <b>PROTECTION CAP for CONICAL PIN, for BBR 90</b>                 | <b>82</b> |
| <b>PROTECTION MECHANICAL EXPANDER for CONICAL PIN, for BBR 90</b> | <b>82</b> |
| <b>SPLITTING WRENCH</b>                                           | <b>83</b> |
| <b>WRENCH</b>                                                     | <b>83</b> |
| <b>BENDING MACHINE HTS 32, for bending multi-calor pipe</b>       | <b>83</b> |
| <b>TEMPLATE, for HTS 32</b>                                       | <b>83</b> |
| <b>COUNTER-TEMPLATE, for HTS 32</b>                               | <b>84</b> |
| <b>SWAN-NECK MACHINE CPS 26, for multi-calor pipe</b>             | <b>84</b> |
| <b>SWAN-NECK TEMPLATE and COUNTER-TEMPLATE, for CPS 26</b>        | <b>84</b> |
| <b>PUNCH MC 1420</b>                                              | <b>84</b> |

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| Symbol                                                                              | Legend                              |
|-------------------------------------------------------------------------------------|-------------------------------------|
| Part Number                                                                         | item part number                    |
| ft                                                                                  | feet                                |
| OD                                                                                  | external diameter                   |
| ID                                                                                  | internal diameter                   |
| thickness                                                                           | wall thickness                      |
| Alum.                                                                               | aluminum                            |
|  | pieces/package                      |
|  | pieces/ box                         |
| M                                                                                   | male thread                         |
| F                                                                                   | female thread                       |
| sm                                                                                  | safety male thread                  |
| sf                                                                                  | safety female thread                |
| *                                                                                   | condition of the safety system      |
| Δ                                                                                   | condition of the Fusion-Tech System |

# Fusion-Tech

*PP-RCT 125 and PP-R Super 80 pipe and fittings for polyfusion welding*

**Range**  
From Ø ½" to 16"

**Use**  
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

**Applications**  
Sanitary systems, domestic plumbing, heating/cooling, industrial, food grade (pending) and non-food grade fluid transport.



## Advantages

- Leader in high flow rate and low pressure drop.
- Resistant to lime, cement, plaster and electro-chemical reaction.
- Completely compatible with warm and cold fluids.
- Economical quick-and-easy installation.

The Fusion-Tech Pipe family includes the new faser FIBER-T and faser FIBER-COND pipes with special re-enforced fibers in the middle layer.

The faser FIBER-T is ideal for heating, air conditioning, domestic hot water, warm water transport, irrigation and compressed air systems.

The faser FIBER-COND is designed for heating, chilled water and other mechanical systems



## FUSION-TECH PIPE FIELDS OF APPLICATION

|                          | PLUMBING SYSTEMS<br>faser FIBER-T<br>Red Striped Pipe | MECHANICAL SYSTEMS<br>faser FIBER-COND<br>Grey-Striped Pipe | RAIN WATER<br>COLLECTION<br>Violet Pipe<br>(not shown) |
|--------------------------|-------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------|
| HEATING SYSTEMS          | Yes                                                   | Yes                                                         | No                                                     |
| CHILLED WATER SYSTEMS    | Yes                                                   | Yes                                                         | No                                                     |
| MARINE APPLICATIONS      | Yes                                                   | Yes                                                         | Yes                                                    |
| RAINWATER COLLECTION     | No                                                    | No                                                          | Yes                                                    |
| COMPRESSED AIR SYSTEMS   | Yes                                                   | Yes                                                         | No                                                     |
| IN-FLOOR HEATING         | Yes                                                   | Yes                                                         | No                                                     |
| CHEMICAL APPLICATION     | Consult Factory                                       | Consult Factory                                             | No                                                     |
| POTABLE WATER*           | Yes                                                   | No                                                          | No                                                     |
| FOOD GRADE               | Yes                                                   | No                                                          | No                                                     |
| FIRE PROTECTION          | Pending                                               | Pending                                                     | No                                                     |
| UNDERGROUND APPLICATIONS | Yes                                                   | Yes                                                         | No                                                     |
| IRRIGATION               | No                                                    | No                                                          | Yes                                                    |

Note: \* Blue-Striped Pipe is used for potable cold water only.

For all other applications, please consult your aquatechnik® PP-RCT 125 and PP-R Super 80 fusion pipe distributor. aquatechnik® Fusion-tech pipe and fittings are certified to NSF/ ANSI 14, 51, 61 and 372.



Like all the pipes in the system, the FIBER-T and the FIBER-COND can be polyfused with the Fusion-Tech fittings. All PP-R fittings with brass are lead-free.



# Fusion-Tech Applicable Certifications, Standards and Regulations

| Fusion-Tech <b>Blue</b> Striped Pipe |                      | Fusion-Tech faser Fiber-T <b>Red</b> Striped pipe |                      |
|--------------------------------------|----------------------|---------------------------------------------------|----------------------|
| Listings and Approvals:              | Reference Standards: | Listings and Approvals:                           | Reference Standards: |
| NSF/ANSI 61                          | ASTM F2389-17        | NSF/ANSI 61                                       | ASTM F2389-17        |
| NSF/ANSI 14                          | ASTM F2023           | NSF/ANSI 14                                       | ASTM F2023           |
| NSF/ANSI -pw                         | ASTM D2837           | NSF/ANSI 51                                       | ASTM D2837           |
| NSF/ANSI 372                         | DIN 8078             | NSF/ANSI-pw                                       | DIN 8078             |
| IPC 2009 sec. 605IMC2009 ch. 12      | DIN 8077             | NSF/ANSI 372                                      | DIN 8077             |
| IRC 2009 ch. 21 & 26                 | CSA B137.11          | IPC 2009 sec. 605IMC2009 ch. 12                   | CSA B137.11          |
| UMC 2012 ch. 6                       | CSA B214             | IRC 2009 ch. 21 & 26                              | CSA B214             |
|                                      | ISO 9080             | UMC 2012 ch. 6                                    | ISO 9080             |
|                                      | ISO 15874            |                                                   | ISO 15874            |
|                                      | ISO 9001             |                                                   | ISO 9001             |

| Fusion-Tech faser Fiber-COND <b>Grey</b> Striped Pipe |                      | Fusion-Tech <b>Violet</b> Pipe  |                      |
|-------------------------------------------------------|----------------------|---------------------------------|----------------------|
| Listings and Approvals:                               | Reference Standards: | Listings and Approvals:         | Reference Standards: |
| NSF/ANSI 14                                           | ASTM F2389-17        | NSF/ANSI-rw                     | ASTM F2389-06        |
| NSF/ANSI 372                                          | ASTM F2023           | NSF/ANSI 372                    | ASTM F2023           |
| IPC 2009 sec. 605IMC2009 ch. 12                       | ASTM D2837           | IPC 2009 sec. 605IMC2009 ch. 12 | ASTM D2837           |
| IRC 2009 ch. 21 & 26                                  | DIN 8078             | IRC 2009 ch. 21 & 26            | DIN 8078             |
| UMC 2012 ch. 6                                        | DIN 8077             | UMC 2012 ch. 6                  | DIN 8077             |
|                                                       | CSA B137.11          |                                 | CSA B137.11          |
|                                                       | CSA B214             |                                 | CSA B214             |
|                                                       | ISO 9080             |                                 | ISO 9080             |
|                                                       | ISO 15874            |                                 | ISO 15874            |
|                                                       | ISO 9001             |                                 | ISO 9001             |





### Description

FUSION-TECH BLUE STRIPED PIPE, PP-RCT 125 for cold water, white color with blue stripes, stick length 19ft

| Part # | ft. per package | No. sticks | SDR | OD     |     | thick. |      | ID     |       |  |
|--------|-----------------|------------|-----|--------|-----|--------|------|--------|-------|--|
|        |                 |            |     | inches | mm  | inches | mm   | inches | mm    |  |
| 61208U | 475             | 25         | 11  | ½      | 20  | 0.07   | 1.9  | 0.64   | 16.2  |  |
| 61210U | 380             | 20         | 11  | ¾      | 25  | 0.09   | 2.3  | 0.8    | 20.4  |  |
| 61212U | 190             | 10         | 11  | 1      | 32  | 0.11   | 2.9  | 1.03   | 26.2  |  |
| 61214U | 190             | 10         | 11  | 1 ¼    | 40  | 0.15   | 3.7  | 1.28   | 32.6  |  |
| 61216U | 95              | 5          | 11  | 1 ½    | 50  | 0.18   | 4.6  | 1.61   | 40.8  |  |
| 61218U | 95              | 5          | 11  | 2      | 63  | 0.23   | 5.8  | 2.02   | 51.4  |  |
| 61220U | 95              | 5          | 11  | 2 ½    | 75  | 0.27   | 6.8  | 2.42   | 61.4  |  |
| 61222U | 57              | 3          | 11  | 3      | 90  | 0.32   | 8.2  | 2.90   | 73.6  |  |
| 61224U | 38              | 2          | 11  | 3 ½    | 110 | 0.39   | 10.0 | 3.54   | 90.0  |  |
| 61226U | 19              | 1          | 11  | 4      | 125 | 0.45   | 11.4 | 4.02   | 102.2 |  |
| 61228U | 19              | 1          | 11  | 6      | 160 | 0.57   | 14.6 | 5.15   | 130.8 |  |
| 61230U | 19              | 1          | 11  | 8      | 200 | 0.72   | 18.2 | 6.44   | 163.6 |  |



### Description

FUSION-TECH faser FIBER-T RED STRIPED PIPE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, stick length 19 ft

| Part # | ft. per package | No. sticks | SDR | OD     |     | thick. |      | ID     |       |  |
|--------|-----------------|------------|-----|--------|-----|--------|------|--------|-------|--|
|        |                 |            |     | inches | mm  | inches | mm   | inches | mm    |  |
| 61358U | 475             | 25         | 7.4 | ½      | 20  | 0.11   | 2.8  | 0.57   | 14.4  |  |
| 61360U | 380             | 20         | 7.4 | ¾      | 25  | 0.14   | 3.5  | 0.71   | 18.0  |  |
| 61362U | 190             | 10         | 7.4 | 1      | 32  | 0.17   | 4.4  | 0.91   | 23.2  |  |
| 61364U | 190             | 10         | 7.4 | 1 ¼    | 40  | 0.22   | 5.5  | 1.14   | 29.0  |  |
| 61366U | 95              | 5          | 7.4 | 1 ½    | 50  | 0.27   | 6.9  | 1.43   | 36.2  |  |
| 61368U | 95              | 5          | 7.4 | 2      | 63  | 0.34   | 8.6  | 1.80   | 45.8  |  |
| 61370U | 95              | 5          | 7.4 | 2 ½    | 75  | 0.41   | 10.3 | 2.14   | 54.4  |  |
| 61372U | 57              | 3          | 7.4 | 3      | 90  | 0.48   | 12.3 | 2.57   | 65.4  |  |
| 61374U | 38              | 2          | 7.4 | 3 ½    | 110 | 0.59   | 15.1 | 3.14   | 79.8  |  |
| 61376U | 19              | 1          | 7.4 | 4      | 125 | 0.67   | 17.1 | 3.57   | 90.8  |  |
| 61378U | 19              | 1          | 11  | 6      | 160 | 0.57   | 14.6 | 5.15   | 130.8 |  |
| 61380U | 19              | 1          | 11  | 8      | 200 | 0.72   | 18.2 | 6.44   | 163.6 |  |
| 61382U | 19              | 1          | 11  | 10     | 250 | 0.89   | 22.7 | 8.06   | 204.6 |  |
| 61384U | 19              | 1          | 11  | 12     | 315 | 1.13   | 28.6 | 10.15  | 257.8 |  |
| 61386U | 19              | 1          | 11  | 14     | 355 | 1.27   | 32.3 | 11.43  | 290.4 |  |
| 61388U | 19              | 1          | 11  | 16     | 400 | 1.43   | 36.4 | 12.88  | 327.2 |  |

## Description

**FUSION-TECH faser FIBER-COND GREY STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multi-layer pipe with special fibers, white color with grey stripes, not potable hot and cold water, stick length 19 ft



| Part #  | ft. per package | No. sticks | SDR  | OD     |     | thick. |      | ID     |       |
|---------|-----------------|------------|------|--------|-----|--------|------|--------|-------|
|         |                 |            |      | inches | mm  | inches | mm   | inches | mm    |
| 61462U  | 190             | 10         | 11   | 1      | 32  | 0.11   | 2.9  | 1.03   | 26.2  |
| 61464U  | 190             | 10         | 11   | 1 ¼    | 40  | 0.15   | 3.7  | 1.28   | 32.6  |
| 61466U  | 95              | 5          | 11   | 1 ½    | 50  | 0.18   | 4.6  | 1.61   | 40.8  |
| 61468U  | 95              | 5          | 11   | 2      | 63  | 0.23   | 5.8  | 2.02   | 51.4  |
| 61470U  | 95              | 5          | 11   | 2 ½    | 75  | 0.27   | 6.8  | 2.42   | 61.4  |
| 61472U  | 57              | 3          | 11   | 3      | 90  | 0.32   | 8.2  | 2.90   | 73.6  |
| 61474U  | 38              | 2          | 11   | 3 ½    | 110 | 0.39   | 10.0 | 3.54   | 90.0  |
| 61476U  | 19              | 1          | 11   | 4      | 125 | 0.45   | 11.4 | 4.02   | 102.2 |
| 61478U  | 19              | 1          | 11   | 6      | 160 | 0.57   | 14.6 | 5.15   | 130.8 |
| 61480U  | 19              | 1          | 11   | 8      | 200 | 0.72   | 18.2 | 6.44   | 163.6 |
| 61482U  | 19              | 1          | 11   | 10     | 250 | 0.89   | 22.7 | 8.06   | 204.6 |
| 61484U  | 19              | 1          | 11   | 12     | 315 | 1.13   | 28.6 | 10.15  | 257.8 |
| 61476UZ | 19              | 1          | 17.6 | 4      | 125 | 0.28   | 7.1  | 4.36   | 110.8 |
| 61478UZ | 19              | 1          | 17.6 | 6      | 160 | 0.36   | 9.1  | 5.94   | 150.9 |
| 61480UZ | 19              | 1          | 17.6 | 8      | 200 | 0.45   | 11.4 | 7.43   | 188.6 |
| 61482UZ | 19              | 1          | 17.6 | 10     | 250 | 0.56   | 14.2 | 9.28   | 235.8 |
| 61484UZ | 19              | 1          | 17.6 | 12     | 315 | 0.70   | 17.9 | 11.70  | 297.1 |
| 61486UZ | 19              | 1          | 17.6 | 14     | 355 | 0.80   | 20.2 | 13.18  | 334.8 |
| 61488UZ | 19              | 1          | 17.6 | 16     | 400 | 0.89   | 22.7 | 14.85  | 377.3 |

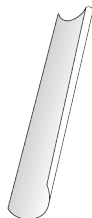
## Description

**FUSION-TECH VIOLET PIPE**, PP-R Super 80 pipe for recycling reclaimed and rainwater, violet, stick length 13 ft



| Part # | ft. per package | No. sticks | SDR | OD     |     | thick. |      | ID     |       |
|--------|-----------------|------------|-----|--------|-----|--------|------|--------|-------|
|        |                 |            |     | inches | mm  | inches | mm   | inches | mm    |
| 61608  | 325             | 25         | 11  | ½      | 20  | 0.07   | 1.9  | 0.64   | 16.2  |
| 61610  | 325             | 25         | 11  | ¾      | 25  | 0.09   | 2.3  | 0.80   | 20.4  |
| 61612  | 130             | 10         | 11  | 1      | 32  | 0.31   | 2.9  | 1.03   | 26.2  |
| 61614  | 130             | 10         | 11  | 1 ¼    | 40  | 0.15   | 3.7  | 1.28   | 32.6  |
| 61616  | 65              | 5          | 11  | 1 ½    | 50  | 0.18   | 4.6  | 1.61   | 40.8  |
| 61618  | 65              | 5          | 11  | 2      | 63  | 0.23   | 5.8  | 2.02   | 51.4  |
| 61620  | 65              | 5          | 11  | 2 ½    | 75  | 0.27   | 6.8  | 2.42   | 61.4  |
| 61622  | 39              | 3          | 11  | 3      | 90  | 0.32   | 8.2  | 2.90   | 73.6  |
| 61624  | 26              | 2          | 11  | 3 ½    | 110 | 0.39   | 10.0 | 3.54   | 90.0  |
| 61626  | 13              | 1          | 11  | 4      | 125 | 0.45   | 11.4 | 4.02   | 102.2 |
| 61628  | 13              | 1          | 11  | 6      | 160 | 0.57   | 14.6 | 5.15   | 130.8 |
| 61630  | 13              | 1          | 11  | 8      | 200 | 0.72   | 18.2 | 6.44   | 163.6 |
| 61632  | 13              | 1          | 11  | 10     | 250 | 0.89   | 22.7 | 8.06   | 204.6 |

\* For larger diameter pipes please consult your local representative



## Description

**SHELL**, zinc-plated steel shell for supporting pipes, 13 ft length, tolerance: +/-1,3%

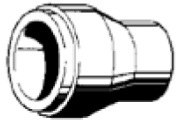
| Part # | ft. per package | dimensions    |           |
|--------|-----------------|---------------|-----------|
|        |                 | <i>inches</i> | <i>mm</i> |
| 61508  | 13              | ½             | 20        |
| 61510  | 13              | ¾             | 25        |
| 61512  | 13              | 1             | 32        |
| 61514  | 13              | 1 ¼           | 40        |
| 61516  | 13              | 1 ½           | 50        |
| 61518  | 13              | 2             | 63        |
| 61520  | 13              | 2 ½           | 75        |
| 61522  | 13              | 3             | 90        |
| 61524  | 13              | 3 ½           | 110       |



## Description

**COUPLING**, for socket fusion

| Part # |    |     | SDR | dimensions    |           |
|--------|----|-----|-----|---------------|-----------|
|        |    |     |     | <i>inches</i> | <i>mm</i> |
| 62008U | 10 | 400 | 5   | ½             | 20        |
| 62010U | 10 | 300 | 5   | ¾             | 25        |
| 62012U | 5  | 150 | 5   | 1             | 32        |
| 62014U | 5  | 250 | 5   | 1 ¼           | 40        |
| 62016U | 5  | 150 | 5   | 1 ½           | 50        |
| 62018U | 1  | 50  | 5   | 2             | 63        |
| 62020U | 1  | 60  | 5   | 2 ½           | 75        |
| 62022U | 1  | 42  | 5   | 3             | 90        |
| 62024U | 1  | 24  | 5   | 3 ½           | 110       |
| 62026U | 1  | 12  | 5   | 4             | 125       |



## Description

**BUSHING**, Ø ½" to 4" for socket fusion

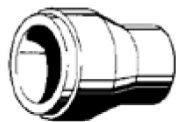
| Part # |    |     | SDR | dimensions |           |
|--------|----|-----|-----|------------|-----------|
|        |    |     |     | inches     | mm        |
| 62112U | 10 | 400 | 5   | ¾ - ½      | 25 - 20   |
| 62114U | 10 | 300 | 5   | 1 - ½      | 32 - 20   |
| 62116U | 10 | 300 | 5   | 1 - ¾      | 32 - 25   |
| 62118U | 5  | 500 | 5   | 1 ¼ - ½    | 40 - 20   |
| 62120U | 5  | 400 | 5   | 1 ¼ - ¾    | 40 - 25   |
| 62122U | 5  | 300 | 5   | 1 - 1      | 40 - 32   |
| 62124U | 5  | 300 | 5   | 1 ½ - ½    | 50 - 20   |
| 62126U | 5  | 300 | 5   | 1 ½ - ¾    | 50 - 25   |
| 62128U | 5  | 300 | 5   | 1 ½ - 1    | 50 - 32   |
| 62130U | 5  | 200 | 5   | 1 ½ - 1 ¼  | 50 - 40   |
| 62132U | 1  | 150 | 5   | 2 - ¾      | 63 - 25   |
| 62134U | 1  | 100 | 5   | 2 - 1      | 63 - 32   |
| 62136U | 1  | 100 | 5   | 2 - 1 ¼    | 63 - 40   |
| 62138U | 1  | 100 | 5   | 2 - 1 ½    | 63 - 50   |
| 62139U | 1  | 100 | 5   | 2 ½ - 1 ¼  | 75 - 40   |
| 62140U | 1  | 80  | 5   | 2 ½ - 1 ½  | 75 - 50   |
| 62142U | 1  | 80  | 5   | 2 ½ - 2    | 75 - 63   |
| 62144U | 1  | 50  | 5   | 3 - 1 ½    | 90 - 50   |
| 62152U | 1  | 50  | 5   | 3 - 2      | 90 - 63   |
| 62153U | 1  | 50  | 5   | 3 - 2 ½    | 90 - 75   |
| 62155U | 1  | 30  | 5   | 3 ½ - 2    | 110 - 63  |
| 62157U | 1  | 30  | 5   | 3 ½ - 2 ½  | 110 - 75  |
| 62159U | 1  | 30  | 5   | 3 ½ - 3    | 110 - 90  |
| 62168U | 1  | 30  | 5   | 4 - 2 ½    | 125 - 75  |
| 62170U | 1  | 30  | 5   | 4 - 3      | 125 - 90  |
| 62172U | 1  | 24  | 5   | 4 - 3 ½    | 125 - 110 |



## Description

**REDUCER**, from Ø 6" to 16" for butt fusion

| Part # |   |   | SDR | dimensions |           |
|--------|---|---|-----|------------|-----------|
|        |   |   |     | inches     | mm        |
| 62173U | 1 | 8 | 11  | 6 - 3      | 160 - 90  |
| 62174U | 1 | 8 | 11  | 6 - 3 ½    | 160 - 110 |
| 62176U | 1 | 4 | 11  | 6 - 4      | 160 - 125 |
| 62182U | 1 | 1 | 11  | 8 - 6      | 200 - 160 |
| 62184U | 1 | 1 | 11  | 10 - 6     | 250 - 160 |
| 62186U | 1 | 1 | 11  | 10 - 8     | 250 - 200 |
| 62200U | 1 | 1 | 11  | 12 - 10    | 315 - 250 |
| 62213U | 1 | 1 | 11  | 14 - 10    | 355 - 250 |
| 62214U | 1 | 1 | 11  | 14 - 12    | 355 - 315 |



## Description

**REDUCER (CONTINUED)**, from Ø 6" to 16" for butt fusion

| Part #  |   |   | SDR  | dimensions    |           |
|---------|---|---|------|---------------|-----------|
|         |   |   |      | <i>inches</i> | <i>mm</i> |
| 62240U  | 1 | 1 | 11   | 16 - 10       | 400 - 250 |
| 62242U  | 1 | 1 | 11   | 16 - 12       | 400 - 315 |
| 62244U  | 1 | 1 | 11   | 16 - 14       | 400 - 355 |
| 62173UZ | 1 | 1 | 17.6 | 6 - 3         | 160 - 90  |
| 62174UZ | 1 | 1 | 17.6 | 6 - 3 ½       | 160 - 110 |
| 62176UZ | 1 | 1 | 17.6 | 6 - 4         | 160 - 125 |
| 62182UZ | 1 | 1 | 17.6 | 8 - 6         | 200 - 160 |
| 62184UZ | 1 | 1 | 17.6 | 10 - 6        | 250 - 160 |
| 62186UZ | 1 | 1 | 17.6 | 10 - 8        | 250 - 200 |
| 62200UZ | 1 | 1 | 17.6 | 12 - 10       | 315 - 250 |
| 62213UZ | 1 | 1 | 17.6 | 14 - 10       | 355 - 250 |
| 62214UZ | 1 | 1 | 17.6 | 14 - 12       | 355 - 315 |
| 62240UZ | 1 | 1 | 17.6 | 16 - 10       | 400 - 250 |
| 62242UZ | 1 | 1 | 17.6 | 16 - 12       | 400 - 315 |
| 62244UZ | 1 | 1 | 17.6 | 16 - 14       | 400 - 355 |



## Description

**90° ELBOW**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #   |    |     | SDR  | dimensions    |           |
|----------|----|-----|------|---------------|-----------|
|          |    |     |      | <i>inches</i> | <i>mm</i> |
| 63108U   | 10 | 350 | 5    | ½             | 20        |
| 63110U   | 10 | 250 | 5    | ¾             | 25        |
| 63112U   | 5  | 100 | 5    | 1             | 32        |
| 63114U   | 5  | 150 | 5    | 1 ¼           | 40        |
| 63116U   | 5  | 80  | 5    | 1 ½           | 50        |
| 63118U   | 1  | 40  | 5    | 2             | 63        |
| 63120U   | 1  | 30  | 5    | 2 ½           | 75        |
| 63122U   | 1  | 18  | 5    | 3             | 90        |
| 63124U   | 1  | 10  | 5    | 3 ½           | 110       |
| 63126U   | 1  | 5   | 5    | 4             | 125       |
| 63128U   | 1  | 3   | 11   | 6             | 160       |
| 63130U   | 1  | 1   | 11   | 8             | 200       |
| 63132U   | 1  | 1   | 11   | 10            | 250       |
| 63134U   | 1  | 1   | 11   | 12            | 315       |
| 63136UTY | 1  | 1   | 11   | 14            | 355       |
| 63138UTY | 1  | 1   | 11   | 16            | 400       |
| 63128UZ  | 1  | 3   | 17.6 | 6             | 160       |
| 63130UZ  | 1  | 1   | 17.6 | 8             | 200       |
| 63132UZ  | 1  | 1   | 17.6 | 10            | 250       |
| 63134UZ  | 1  | 1   | 17.6 | 12            | 315       |



## Description

**90° ELBOW**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #   |   |   | SDR  | dimensions |     |
|----------|---|---|------|------------|-----|
|          |   |   |      | inches     | mm  |
| 63136UCZ | 1 | 1 | 17.6 | 14         | 355 |
| 63138UCZ | 1 | 1 | 17.6 | 16         | 400 |



## Description

**90° SOCKET X MALE ELBOW**, for socket fusion directly to PP-R fitting

| Part # |    |     | SDR | dimensions |    |
|--------|----|-----|-----|------------|----|
|        |    |     |     | inches     | mm |
| 63308U | 10 | 350 | 5   | ½          | 20 |
| 63310U | 10 | 250 | 5   | ¾          | 25 |
| 63312U | 5  | 100 | 5   | 1          | 32 |
| 63314U | 5  | 150 | 5   | 1 ¼        | 40 |



## Description

**45° ELBOW**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #   |    |     | SDR  | dimensions |     |
|----------|----|-----|------|------------|-----|
|          |    |     |      | inches     | mm  |
| 63508U   | 10 | 400 | 5    | ½          | 20  |
| 63510U   | 10 | 250 | 5    | ¾          | 25  |
| 63512U   | 5  | 150 | 5    | 1          | 32  |
| 63514U   | 5  | 150 | 5    | 1 ¼        | 40  |
| 63516U   | 5  | 80  | 5    | 1 ½        | 50  |
| 63518U   | 1  | 50  | 5    | 2          | 63  |
| 63520U   | 1  | 36  | 5    | 2 ½        | 75  |
| 63522U   | 1  | 18  | 5    | 3          | 90  |
| 63524U   | 1  | 10  | 5    | 3 ½        | 110 |
| 63526U   | 1  | 5   | 5    | 4          | 125 |
| 63528U   | 1  | 3   | 11   | 6          | 160 |
| 63530U   | 1  | 1   | 11   | 8          | 200 |
| 63532U   | 1  | 1   | 11   | 10         | 250 |
| 63534U   | 1  | 1   | 11   | 12         | 315 |
| 63536UTY | 1  | 1   | 11   | 14         | 355 |
| 63538UTY | 1  | 1   | 11   | 16         | 400 |
| 63528UZ  | 1  | 3   | 17.6 | 6          | 160 |
| 63530UZ  | 1  | 1   | 17.6 | 8          | 200 |
| 63532UZ  | 1  | 1   | 17.6 | 10         | 250 |
| 63534UZ  | 1  | 1   | 17.6 | 12         | 315 |
| 63536UCZ | 1  | 1   | 17.6 | 14         | 355 |
| 63538UCZ | 1  | 1   | 17.6 | 16         | 400 |



## Description

**45° MALE ELBOW**, for socket fusion directly to PP-R fitting

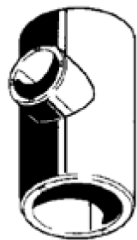
| Part # |    |     | SDR | dimensions |    |
|--------|----|-----|-----|------------|----|
|        |    |     |     | inches     | mm |
| 63708U | 10 | 400 | 5   | ½          | 20 |
| 63710U | 10 | 300 | 5   | ¾          | 25 |
| 63712U | 5  | 150 | 5   | 1          | 32 |



## Description

**TEE**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #   |    |     | SDR  | dimensions |     |
|----------|----|-----|------|------------|-----|
|          |    |     |      | inches     | mm  |
| 64108U   | 10 | 250 | 5    | ½          | 20  |
| 64110U   | 10 | 150 | 5    | ¾          | 25  |
| 64112U   | 5  | 80  | 5    | 1          | 32  |
| 64114U   | 5  | 100 | 5    | 1 ¼        | 40  |
| 64116U   | 5  | 50  | 5    | 1 ½        | 50  |
| 64118U   | 1  | 30  | 5    | 2          | 63  |
| 64120U   | 1  | 25  | 5    | 2 ½        | 75  |
| 64122U   | 1  | 16  | 5    | 3          | 90  |
| 64124U   | 1  | 10  | 5    | 3 ½        | 110 |
| 64126U   | 1  | 5   | 5    | 4          | 125 |
| 64128U   | 1  | 2   | 11   | 6          | 160 |
| 64130U   | 1  | 1   | 11   | 8          | 200 |
| 64132U   | 1  | 1   | 11   | 10         | 250 |
| 64134U   | 1  | 1   | 11   | 12         | 315 |
| 64136UTY | 1  | 1   | 11   | 14         | 355 |
| 64138UTY | 1  | 1   | 11   | 16         | 400 |
| 64128UZ  | 1  | 2   | 17.6 | 6          | 160 |
| 64130UZ  | 1  | 1   | 17.6 | 8          | 200 |
| 64132UZ  | 1  | 1   | 17.6 | 10         | 250 |
| 64134UZ  | 1  | 1   | 17.6 | 12         | 315 |
| 64136UCZ | 1  | 1   | 17.6 | 14         | 355 |
| 64138UCZ | 1  | 1   | 17.6 | 16         | 400 |



## Description

REDUCING TEE, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

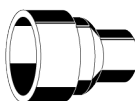
| Part #  |    |     | SDR | dimensions      |                 |
|---------|----|-----|-----|-----------------|-----------------|
|         |    |     |     | inches          | mm              |
| 64220U  | 10 | 150 | 5   | ¾ - ½ - ½       | 25-20-20        |
| 64222U  | 10 | 150 | 5   | ¾ - ¾ - ½       | 25-25-20        |
| 64232U  | 5  | 100 | 5   | 1 - ¾ - ¾       | 32-25-25        |
| 64234U  | 5  | 100 | 5   | 1 - 1 - ½       | 32-32-20        |
| 64240U  | 5  | 100 | 5   | 1 - 1 - ¾       | 32-32-25        |
| 64242U  | 5  | 120 | 5   | 1 ¼ - 1 ¼ - ½   | 40-40-20        |
| 64244U  | 5  | 120 | 5   | 1 ¼ - 1 ¼ - ¾   | 40-40-25        |
| 64245U  | 5  | 100 | 5   | 1 ¼ - 1 - 1     | 40-32-32        |
| 64246U  | 5  | 100 | 5   | 1 ¼ - 1 ¼ - 1   | 40-40-32        |
| 64247U  | 5  | 60  | 5   | 1 ½ - 1 ½ - ½   | 50-50-20        |
| 64248U  | 5  | 60  | 5   | 1 ½ - 1 ½ - ¾   | 50-50-25        |
| 64250U  | 5  | 60  | 5   | 1 ½ - 1 ½ - 1   | 50-50-32        |
| 64251U  | 5  | 60  | 5   | 1 ½ - 1 ½ - 1 ¼ | 50-50-40        |
| 64252U  | 1  | 35  | 5   | 2 - 2 - ½       | 63-63-20        |
| 64254U  | 1  | 35  | 5   | 2 - 2 - ¾       | 63-63-25        |
| 64256U  | 1  | 35  | 5   | 2 - 2 - 1       | 63-63-32        |
| 64258U  | 1  | 35  | 5   | 2 - 2 - 1 ¼     | 63-63-40        |
| 64260U  | 1  | 30  | 5   | 2 - 2 - 1 ½     | 63-63-50        |
| 64261U  | 1  | 25  | 5   | 2 ½ - 2 ½ - ½   | 75-75-20        |
| 64262U  | 1  | 25  | 5   | 2 ½ - 2 ½ - ¾   | 75-75-25        |
| 64264U  | 1  | 25  | 5   | 2 ½ - 2 ½ - 1   | 75-75-32        |
| 64266U  | 1  | 25  | 5   | 2 ½ - 2 ½ - 1 ¼ | 75-75-40        |
| 64268U  | 1  | 25  | 5   | 2 ½ - 2 ½ - 1 ½ | 75-75-50        |
| 64270U  | 1  | 16  | 5   | 2 ½ - 2 ½ - 2   | 75-75-63        |
| 64280U  | 1  | 16  | 5   | 3 - 3 - 1 ½     | 90-90-50        |
| 64282U  | 1  | 16  | 5   | 3 - 3 - 2       | 90-90-63        |
| 64284U  | 1  | 16  | 5   | 3 - 3 - 2 ½     | 90-90-75        |
| 64286U  | 1  | 10  | 5   | 3 ½ - 3 ½ - 2   | 110-110-63      |
| 64288U  | 1  | 10  | 5   | 3 ½ - 3 ½ - 2 ½ | 110-110-75      |
| 64290U  | 1  | 10  | 5   | 3 ½ - 3 ½ - 3   | 110-110-90      |
| 64294U  | 1  | 5   | 5   | 4 - 4 - 3       | 125-125-90      |
| 64296U  | 1  | 5   | 5   | 4 - 4 - 3 ½     | 125-125-110     |
| 64298U  | 1  | 2   | 11  | 6 - 6 - 3       | 160-160-90      |
| 64299U  | 1  | 2   | 11  | 6 - 6 - 3 ½     | 160-160-110     |
| 64300U  | 1  | 1   | 11  | 6 - 6 - 4       | 160-160-125     |
| 64302U  | 1  | 1   | 11  | 8 - 8 - 6       | 200-200-160     |
| 64306U  | 1  | 1   | 11  | 10 - 10 - 6     | 250-250-160     |
| 64307U  | 1  | 1   | 11  | 10 - 10 - 8     | 250-250-200     |
| 643094U | 1  | 1   | 11  | 12 - 12 - 8     | 315 - 315 - 200 |
| 643098U | 1  | 1   | 11  | 12 - 12 - 10    | 315 - 315 - 250 |



## Description

**REDUCING TEE (CONTINUED)**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

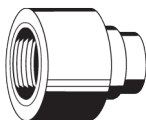
| Part #    |   |   | SDR  | dimensions   |                 |
|-----------|---|---|------|--------------|-----------------|
|           |   |   |      | inches       | mm              |
| 643124UTY | 1 | 1 | 11   | 14 - 14 - 12 | 355 - 355 - 315 |
| 643154UTY | 1 | 1 | 11   | 16 - 16 - 14 | 400 - 400 - 355 |
| 64298UZ   | 1 | 2 | 17.6 | 6 - 6 - 3    | 160 - 160 - 90  |
| 64299UZ   | 1 | 2 | 17.6 | 6 - 6 - 3 ½  | 160 - 160 - 110 |
| 64300UZ   | 1 | 1 | 17.6 | 6 - 6 - 4    | 160 - 160 - 125 |
| 64302UZ   | 1 | 1 | 17.6 | 8 - 8 - 6    | 200 - 200 - 160 |
| 64306UZ   | 1 | 1 | 17.6 | 10 - 10 - 6  | 250 - 250 - 160 |
| 64307UZ   | 1 | 1 | 17.6 | 10 - 10 - 8  | 250 - 250 - 200 |
| 643094UZ  | 1 | 1 | 17.6 | 12 - 12 - 8  | 315 - 315 - 200 |
| 643098UZ  | 1 | 1 | 17.6 | 12 - 12 - 10 | 315 - 315 - 250 |
| 643124UCZ | 1 | 1 | 17.6 | 14 - 14 - 12 | 355 - 355 - 315 |
| 643154UCZ | 1 | 1 | 17.6 | 16 - 16 - 14 | 400 - 400 - 315 |



## Description

**DIRECT FUSION OUTLET**, for outlet socket fusion

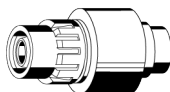
| Part # |    |      | SDR | output Ø |    | for pipe |          | miller |
|--------|----|------|-----|----------|----|----------|----------|--------|
|        |    |      |     | inches   | mm | inches   | mm       |        |
| 65132U | 10 | 1000 | 5   | ½        | 20 | 1 ½ ~ 12 | 50 ~ 315 | 50346  |
| 65134U | 10 | 500  | 5   | ¾        | 25 | 2 ~ 12   | 63 ~ 315 | 50348  |
| 65136U | 5  | 400  | 5   | 1        | 32 | 2 ½ ~ 12 | 75 ~ 315 | 50352  |
| 65138U | 1  | 200  | 5   | 1 ¼      | 40 | 2 ½ ~ 12 | 75 ~ 315 | 50354  |



## Description

**DIRECT FUSION OUTLET X THREADED FEMALE**, for outlet socket fusion

| Part # |   |     | SDR | output Ø |    | for pipe |          | miller |
|--------|---|-----|-----|----------|----|----------|----------|--------|
|        |   |     |     | inches   | mm | inches   | mm       |        |
| 65152U | 5 | 200 | 5   | ½        | 20 | 1 ½ ~ 12 | 50 ~ 315 | 50346  |
| 65154U | 5 | 150 | 5   | ¾        | 25 | 2 ~ 12   | 63 ~ 315 | 50348  |



## Description

**FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION**, lead-free, for outlet socket fusion

| Part # |   |     | SDR | output Ø |      | for pipe |          | miller |
|--------|---|-----|-----|----------|------|----------|----------|--------|
|        |   |     |     | inches   | mm   | inches   | mm       |        |
| 65170U | 5 | 150 | 5   | ½        | sm16 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |
| 65172U | 5 |     | 5   | ¾        | sm20 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |
| 65174U | 5 |     | 5   | ¾        | sm26 | 2 ~ 10   | 50 ~ 250 | 50348  |



## Description

**SADDLE FUSION OUTLET**, for outlet socket fusion

| Part #  |    |     | SDR | output Ø |     | for pipe |           | miller |  |
|---------|----|-----|-----|----------|-----|----------|-----------|--------|--|
|         |    |     |     | inches   | mm  | inches   | mm        |        |  |
| 650472U | 10 | 400 | 5   | ½        | 20  | 1 ¼      | 40        | 50346  |  |
| 650474U | 10 | 300 | 5   | ¾        | 25  | 1 ¼      | 40        | 50348  |  |
| 650478U | 10 | 400 | 5   | ½        | 20  | 1 ½      | 50        | 50346  |  |
| 650480U | 10 | 300 | 5   | ¾        | 25  | 1 ½      | 50        | 50348  |  |
| 650498U | 10 | 400 | 5   | ½        | 20  | 2 - 2 ½  | 63-75     | 50346  |  |
| 650500U | 10 | 300 | 5   | ¾        | 25  | 2 - 2 ½  | 63 - 75   | 50348  |  |
| 650502U | 5  | 150 | 5   | 1        | 32  | 2 - 2 ½  | 63 - 75   | 50352  |  |
| 650540U | 10 |     | 5   | 1 ¼      | 40  | 2        | 63        | 50354  |  |
| 650556U | 10 | 400 | 5   | ½        | 20  | 3 ½ - 4  | 110 - 125 | 50346  |  |
| 650558U | 10 | 300 | 5   | ¾        | 25  | 2 ½ - 4  | 75 - 125  | 50348  |  |
| 650560U | 5  | 150 | 5   | 1        | 32  | 3 - 4    | 90-125    | 50352  |  |
| 650580U | 5  | 100 | 5   | 1 ¼      | 40  | 3        | 90        | 50354  |  |
| 650600U | 5  | 100 | 5   | 1 ¼      | 40  | 3 ½      | 110       | 50354  |  |
| 650620U | 5  | 70  | 5   | 1 ½      | 50  | 3 ½      | 110       | 50356  |  |
| 650638U | 5  | 100 | 5   | 1 ¼      | 40  | 4        | 125       | 50354  |  |
| 650640U | 5  | 70  | 5   | 1 ½      | 50  | 4        | 125       | 50356  |  |
| 650660U | 1  | 50  | 5   | 2        | 63  | 4        | 125       | 50358  |  |
| 650672U | 10 | 400 | 5   | ½        | 20  | 6 - 8    | 160 - 200 | 50346  |  |
| 650674U | 10 | 300 | 5   | ¾        | 25  | 6 - 8    | 160 - 200 | 50348  |  |
| 650676U | 5  | 150 | 5   | 1        | 32  | 6 - 8    | 160 - 200 | 50352  |  |
| 650678U | 5  | 100 | 5   | 1 ¼      | 40  | 6 - 8    | 160 - 200 | 50354  |  |
| 650680U | 5  | 70  | 5   | 1 ½      | 50  | 6        | 160       | 50356  |  |
| 650700U | 1  | 50  | 5   | 2        | 63  | 6        | 160       | 50358  |  |
| 650720U | 1  | 30  | 5   | 2 ½      | 75  | 6        | 160       | 50360  |  |
| 650740U | 1  | 20  | 5   | 3        | 90  | 6        | 160       | 50362  |  |
| 650760U | 5  | 70  | 5   | 1 ½      | 50  | 8        | 200       | 50356  |  |
| 650780U | 1  | 50  | 5   | 2        | 63  | 8        | 200       | 50358  |  |
| 650800U | 1  | 30  | 5   | 2 ½      | 75  | 8        | 200       | 50360  |  |
| 650820U | 1  | 20  | 5   | 3        | 90  | 8        | 200       | 50362  |  |
| 650840U | 1  | 15  | 5   | 3 ½      | 110 | 8        | 200       | 50364  |  |
| 650860U | 1  | 10  | 5   | 4        | 125 | 8        | 200       | 50366  |  |
| 650872U | 10 | 400 | 5   | ½        | 20  | 10 - 12  | 250-315   | 50346  |  |
| 650874U | 10 | 300 | 5   | ¾        | 25  | 10 - 12  | 250-315   | 50348  |  |
| 650876U | 5  | 150 | 5   | 1        | 32  | 10 - 12  | 250-315   | 50352  |  |
| 650878U | 5  | 100 | 5   | 1 ¼      | 40  | 10 - 12  | 250-315   | 50354  |  |
| 650880U | 5  | 70  | 5   | 1 ½      | 50  | 10       | 315       | 50356  |  |
| 650900U | 1  | 50  | 5   | 2        | 63  | 10       | 315       | 50358  |  |
| 650920U | 1  | 30  | 5   | 2 ½      | 75  | 10       | 315       | 50360  |  |
| 650940U | 1  | 20  | 5   | 3        | 90  | 10       | 315       | 50362  |  |
| 650960U | 1  | 15  | 5   | 3 ½      | 110 | 10       | 315       | 50364  |  |
| 650980U | 1  | 10  | 5   | 4        | 125 | 10       | 315       | 50366  |  |



## Description

**CROSS**, for socket fusion

| Part # |    |     | SDR | dimensions |    |
|--------|----|-----|-----|------------|----|
|        |    |     |     | inches     | mm |
| 64308U | 10 | 400 | 5   | ½          | 20 |
| 64310U | 10 | 300 | 5   | ¾          | 25 |
| 64312U | 5  | 150 | 5   | 1          | 32 |
| 64314U | 1  | 80  | 5   | 1 ¼        | 40 |



## Description

**CAP**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #  |    |     | SDR  | dimensions |     |
|---------|----|-----|------|------------|-----|
|         |    |     |      | inches     | mm  |
| 65008U  | 10 | 500 | 5    | ½          | 20  |
| 65010U  | 10 | 450 | 5    | ¾          | 25  |
| 65012U  | 5  | 250 | 5    | 1          | 32  |
| 65014U  | 5  | 350 | 5    | 1 ¼        | 40  |
| 65016U  | 5  | 200 | 5    | 1 ½        | 50  |
| 65018U  | 1  | 80  | 5    | 2          | 63  |
| 65020U  | 1  | 80  | 5    | 2 ½        | 75  |
| 65022U  | 1  | 50  | 5    | 3          | 90  |
| 65024U  | 1  | 24  | 5    | 3 ½        | 110 |
| 65026U  | 1  | 12  | 5    | 4          | 125 |
| 65028U  | 1  | 5   | 11   | 6          | 160 |
| 65030U  | 1  | 2   | 11   | 8          | 200 |
| 65032U  | 1  | 1   | 11   | 10         | 250 |
| 65034U  | 1  | 1   | 11   | 12         | 315 |
| 65036U  | 1  | 1   | 11   | 14         | 355 |
| 65038U  | 1  | 1   | 11   | 16         | 400 |
| 65028UZ | 1  | 5   | 17.6 | 6          | 160 |
| 65030UZ | 1  | 2   | 17.6 | 8          | 200 |
| 65032UZ | 1  | 1   | 17.6 | 10         | 250 |
| 65034UZ | 1  | 1   | 17.6 | 12         | 315 |
| 65036UZ | 1  | 1   | 17.6 | 14         | 350 |
| 65038UZ | 1  | 1   | 17.6 | 16         | 400 |

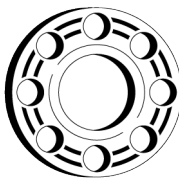


## Description

**FLANGE ADAPTER**, from Ø ½" to 4" for socket fusion, from Ø 6" to 16" for butt fusion

| Part #  |    |      | SDR  | dimensions |     | collar OD |     |  |
|---------|----|------|------|------------|-----|-----------|-----|--|
|         |    |      |      | inches     | mm  | inches    | mm  |  |
| 65208U  | 10 | 1000 | 11   | ½          | 20  | 1.02      | 26  |  |
| 65210U  | 10 | 400  | 11   | ¾          | 25  | 1.30      | 33  |  |
| 65212U  | 10 | 300  | 11   | 1          | 32  | 1.57      | 40  |  |
| 65214U  | 5  | 200  | 11   | 1 ¼        | 40  | 1.93      | 49  |  |
| 65216U  | 5  | 100  | 11   | 1 ½        | 50  | 2.28      | 58  |  |
| 65218U  | 1  | 50   | 11   | 2          | 63  | 2.87      | 73  |  |
| 65220U  | 1  | 40   | 11   | 2 ½        | 75  | 3.50      | 89  |  |
| 65222U  | 1  | 25   | 11   | 3          | 90  | 4.25      | 108 |  |
| 65224U  | 1  | 16   | 11   | 3 ½        | 110 | 5.12      | 130 |  |
| 65226U  | 1  | 25   | 11   | 4          | 125 | 5.79      | 147 |  |
| 65228U  | 1  | 4    | 11   | 6          | 160 | 8.35      | 212 |  |
| 65230U  | 1  | 4    | 11   | 8          | 200 | 10.55     | 268 |  |
| 65232U  | 1  | 1    | 11   | 10         | 250 | 12.63     | 320 |  |
| 65234U  | 1  | 1    | 11   | 12         | 315 |           |     |  |
| 65236U  | 1  | 1    | 11   | 14         | 355 |           |     |  |
| 65238U  | 1  | 1    | 11   | 16         | 400 |           |     |  |
| 65228UZ | 1  | 4    | 17.6 | 6          | 160 |           |     |  |
| 65230UZ | 1  | 4    | 17.6 | 8          | 200 |           |     |  |
| 65232UZ | 1  | 1    | 17.6 | 10         | 250 |           |     |  |
| 65234UZ | 1  | 1    | 17.6 | 12         | 315 |           |     |  |
| 65236UZ | 1  | 1    | 17.6 | 14         | 355 |           |     |  |
| 65238UZ | 1  | 1    | 17.6 | 16         | 400 |           |     |  |

## Description



**ALUMINUM FLANGE**, with ANSI bolt pattern, for collars

| Part # |    |      | for collar |     | ID     |        | OD     |        | no. holes |
|--------|----|------|------------|-----|--------|--------|--------|--------|-----------|
|        |    |      | inches     | mm  | inches | mm     | inches | mm     |           |
| 65266U | 10 | 1000 | ½          | 20  | 0.07   | 28.00  | 3.74   | 95.00  | 4         |
| 65268U | 10 | 400  | ¾          | 25  | 0.09   | 34.00  | 4.13   | 105.00 | 4         |
| 65270U | 10 | 300  | 1          | 32  | 0.11   | 42.00  | 4.53   | 115.00 | 4         |
| 65272U | 5  | 200  | 1 ¼        | 40  | 0.15   | 51.00  | 5.51   | 140.00 | 4         |
| 65274U | 5  | 100  | 1 ½        | 50  | 0.18   | 62.00  | 5.91   | 150.00 | 4         |
| 65276U | 1  | 50   | 2          | 63  | 0.23   | 78.00  | 6.50   | 165.00 | 4         |
| 65278U | 1  | 40   | 2 ½        | 75  | 0.27   | 92.00  | 7.28   | 185.00 | 4         |
| 65280U | 1  | 25   | 3          | 90  | 0.32   | 108.00 | 7.87   | 200.00 | 8         |
| 65282U | 1  | 16   | 3 ½        | 110 | 0.39   | 128.00 | 8.66   | 220.00 | 8         |
| 65284U | 1  | 25   | 4          | 125 | 0.45   | 135.00 | 9.84   | 250.00 | 8         |
| 65286U | 1  | 4    | 6          | 160 | 0.57   | 178.00 | 11.22  | 285.00 | 8         |
| 65290U | 1  | 4    | 8          | 200 | 0.72   | 235.00 | 13.39  | 340.00 | 8         |
| 65292U | 1  | 1    | 10         | 250 | 0.89   | 290.00 | 15.55  | 395.00 | 12        |
| 65294U | 1  | 1    | 12         | 315 |        |        |        |        |           |
| 65296U | 1  | 1    | 14         | 355 |        |        |        |        |           |
| 65298U | 1  | 1    | 16         | 400 |        |        |        |        |           |

## Description

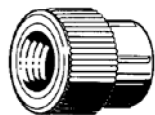


**faser FIBER-T RED STRIPED PIPE CROSSOVER**, for socket fusion

| Part # |    |     | SDR | dimensions |    |
|--------|----|-----|-----|------------|----|
|        |    |     |     | inches     | mm |
| 65414U | 10 | 250 | 7.4 | ½          | 20 |
| 65416U | 10 | 70  | 7.4 | ¾          | 25 |
| 65418U | 5  | 40  | 7.4 | 1          | 32 |

**faser FIBER-COND GREY STRIPED PIPE CROSSOVER**, for socket fusion

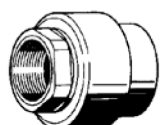
| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 65424U | 5 | 40 | 11  | 1          | 32 |



## Description

**FEMALE THREADED ADAPTER**, lead-free, for socket fusion to PP-R pipe

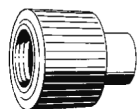
| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 66008U | 10 | 200 | 5   | F½ - ½     | F½ - 20 |
| 66009U | 10 | 200 | 5   | F½ - ¾     | F½ - 25 |
| 66010U | 10 | 200 | 5   | F¾ - ¾     | F¾ - 25 |
| 66011U | 10 | 200 | 5   | F¾ - 1     | F¾ - 20 |
| 66013U | 5  | 150 | 5   | F¾ - 1     | F¾ - 32 |



## Description

**FEMALE THREADED HEX ADAPTER**, lead-free, for socket fusion to PP-R pipe

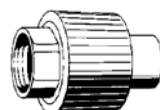
| Part # |    |     | SDR | dimensions |           |
|--------|----|-----|-----|------------|-----------|
|        |    |     |     | inches     | mm        |
| 66108U | 10 | 200 | 5   | F½ - ½     | F½ - 20   |
| 66109U | 10 | 150 | 5   | F¾ - ½     | F¾ - 20   |
| 66110U | 10 | 150 | 5   | F¾ - ¾     | F¾ - 25   |
| 66112U | 5  | 80  | 5   | F1 - 1     | F1 - 32   |
| 66114U | 5  | 50  | 5   | F1 ¼ - 1 ¼ | F1 ¼ - 40 |
| 66116U | 1  | 40  | 5   | F1 ½ - 1 ½ | F1 ½ - 50 |
| 66118U | 1  | 25  | 5   | F2 - 2     | F2 - 63   |
| 66120U | 1  | 15  | 5   | F2 ½ - 2 ½ | F2 ½ - 75 |
| 66122U | 1  | 12  | 5   | F3 - 3     | F3 - 90   |
| 66124U | 1  | 6   | 5   | F4 - 4     | F4 - 125  |
| 66126U | 1  | 4   | 5   | F5 - 4     | F5 - 125  |



## Description

**FEMALE THREADED BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

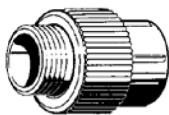
| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 66150U | 10 | 200 | 5   | F½ - ½     | F½ - 20 |



## Description

**FEMALE THREADED HEX BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with hexagonal seat and alloy thread

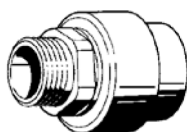
| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 66158U | 10 | 200 | 5   | F½ - ½     | F½ - 20 |



## Description

**MALE THREADED ADAPTER** lead-free, for socket fusion to PP-R pipe with alloy thread

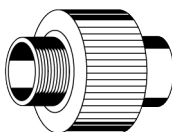
| Part # |    |     | SDR | dimensions |          |
|--------|----|-----|-----|------------|----------|
|        |    |     |     | inches     | mm       |
| 66208U | 10 | 200 | 5   | M½ - ½     | M½ - 20  |
| 66209U | 10 | 200 | 5   | M½ - ¾     | M½ - 25  |
| 66210U | 10 | 200 | 5   | M¾ - ¾     | M¾ - 25  |
| 66211U | 10 | 200 | 5   | M¾ - ½     | M¾ - 20  |
| 66213U | 5  | 150 | 5   | M ¾ - 1    | M ¾ - 32 |



## Description

**MALE THREADED HEX ADAPTER**, lead-free, for socket fusion to PP-R pipe, with hexagonal seat and alloy thread

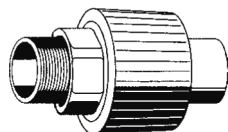
| Part # |    |     | SDR | dimensions |           |
|--------|----|-----|-----|------------|-----------|
|        |    |     |     | inches     | mm        |
| 66308U | 10 | 200 | 5   | M½ - ½     | M½ - 20   |
| 66310U | 10 | 150 | 5   | M¾ - ¾     | M¾ - 25   |
| 66311U | 10 | 150 | 5   | M¾ - ½     | M¾ - 20   |
| 66312U | 5  | 70  | 5   | M1 - 1     | M1 - 32   |
| 66314U | 5  | 50  | 5   | M1 ¼ - 1 ¼ | M1 ¼ - 40 |
| 66316U | 5  | 40  | 5   | M1 ½ - 1 ½ | M1 ½ - 50 |
| 66318U | 1  | 20  | 5   | M2 - 2     | M2 - 63   |
| 66320U | 1  | 20  | 5   | M2 ½ - 2 ½ | M2 ½ - 75 |
| 66321U | 1  | 15  | 5   | M2 ½ - 3   | M2 ½ - 90 |
| 66322U | 1  | 6   | 5   | M3 - 3     | M3 - 90   |
| 66324U | 1  | 6   | 5   | M3 - 3 ½   | M3 - 110  |
| 66325U | 1  | 4   | 5   | M4 - 3 ½   | M4 - 110  |
| 66326U | 1  | 4   | 5   | M5 - 4     | M5 - 125  |



## Description

**MALE THREADED BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 66350U | 10 | 200 | 5   | M½ - ½     | M½ - 20 |



## Description

**MALE THREADED HEX BUSHING**, lead-free, for socket fusion directly to PP-R fittings, with hexagonal

| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 66358U | 10 | 200 | 5   | M½ - ½     | M½ - 20 |



## Description

**FEMALE THREAD X SOCKET ELBOW**, lead-free, for socket fusion to PP-R pipe, without bracket, with alloy thread

| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 67008U | 10 | 200 | 5   | F½ - ½     | F½ - 20 |
| 67009U | 10 | 150 | 5   | F½ - ¾     | F½ - 25 |
| 67010U | 10 | 150 | 5   | F¾ - ¾     | F¾ - 25 |
| 67011U | 10 | 100 | 5   | F¾ - ½     | F¾ - 20 |
| 67013U | 5  | 100 | 5   | F¾ - 1     | F¾ - 32 |
| 67014U | 5  | 70  | 5   | F1 - 1     | F1 - 32 |



## Description

**DROP EAR ELBOW**, lead-free, for socket fusion to PP-R pipe, with bracket, with alloy thread

| Part # |    |     | SDR | dimensions |         |
|--------|----|-----|-----|------------|---------|
|        |    |     |     | inches     | mm      |
| 67108U | 10 | 150 | 5   | F½ - ½     | F½ - 20 |
| 67109U | 10 | 100 | 5   | F¾ - ½     | F¾ - 20 |
| 67110U | 10 | 100 | 5   | F¾ - ¾     | F¾ - 25 |
| 67111U | 10 | 100 | 5   | F½ - ¾     | F½ - 25 |



## Description

**FEMALE THREADED X MALE SOCKET ELBOW**, lead-free, for socket fusion directly to PP-R fittings, without bracket, with alloy thread

| Part # |    |     | SDR | dimensions |           |
|--------|----|-----|-----|------------|-----------|
|        |    |     |     | inches     | mm        |
| 67208U | 10 | 200 | 5   | F1/2 - 1/2 | F1/2 - 20 |



## Description

**MALE THREADED X SOCKET ELBOW**, lead-free, for socket fusion to PP-R pipe, with alloy thread

| Part # |    |     | SDR | dimensions |          |
|--------|----|-----|-----|------------|----------|
|        |    |     |     | inches     | mm       |
| 67500U | 10 | 100 | 5   | M ½ - ¾    | M ½ - 25 |
| 67508U | 10 | 150 | 5   | M½ - ½     | M½ - 20  |
| 67509U | 10 | 100 | 5   | M¾ - ½     | M¾ - 20  |
| 67510U | 10 | 100 | 5   | M¾ - ¾     | M¾ - 25  |
| 67511U | 5  | 50  | 5   | M¾ - 1     | M¾ - 32  |
| 67512U | 5  | 50  | 5   | M1 - 1     | M1 - 32  |



## Description

**FEMALE THREADED TEE**, lead-free, for socket fusion to PP-R pipe, with alloy thread

| Part # |    |     | SDR | dimensions |              |
|--------|----|-----|-----|------------|--------------|
|        |    |     |     | inches     | mm           |
| 68008U | 10 | 150 | 5   | ½ - ½ - F½ | 20 - 20 - F½ |
| 68009U | 10 | 100 | 5   | ½ - ½ - F¾ | 20 - 20 - F¾ |
| 68010U | 10 | 100 | 5   | ¾ - ¾ - F¾ | 25 - 25 - F¾ |
| 68011U | 10 | 100 | 5   | ¾ - ¾ - F½ | 25 - 25 - F½ |
| 68014U | 5  | 50  | 5   | 1 - 1 - F¾ | 32 - 32 - F¾ |
| 68016U | 5  | 50  | 5   | 1 - 1 - F1 | 32 - 32 - F1 |



## Description

**MALE THREADED TEE**, lead-free, for socket fusion to PP-R pipe, with alloy thread

| Part # |    |     | SDR | dimensions |              |
|--------|----|-----|-----|------------|--------------|
|        |    |     |     | inches     | mm           |
| 68508U | 10 | 150 | 5   | ½ - ½ - M½ | 20 - 20 - M½ |

## Description

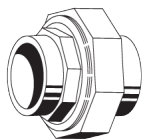
**PIPE UNION**, all PP-R made, for socket fusion

| Part # |    |  | SDR | dimensions |    |
|--------|----|--|-----|------------|----|
|        |    |  |     | inches     | mm |
| 69320U | 10 |  | 11  | ½          | 20 |
| 69322U | 10 |  | 11  | ¾          | 25 |
| 69324U | 5  |  | 11  | 1          | 32 |

## Description

**PIPE UNION with CHECK VALVE**, for socket fusion

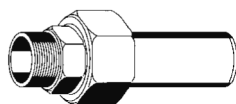
| Part # |    |  | SDR | dimensions |    |
|--------|----|--|-----|------------|----|
|        |    |  |     | inches     | mm |
| 69360U | 10 |  | 11  | ½          | 20 |
| 69362U | 10 |  | 11  | ¾          | 25 |
| 69364U | 5  |  | 11  | 1          | 32 |



## Description

**PIPE UNION**, with brass nut, for socket fusion

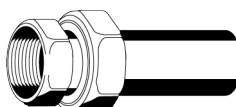
| Part # |   |     | SDR | dimensions |    |
|--------|---|-----|-----|------------|----|
|        |   |     |     | inches     | mm |
| 69280  | 5 | 100 | 11  | ½          | 20 |
| 69282  | 5 | 50  | 11  | ¾          | 25 |
| 69284  | 5 | 30  | 11  | 1          | 32 |
| 69286  | 5 | 20  | 11  | 1 ¼        | 40 |
| 69288  | 1 | 10  | 11  | 1 ½        | 50 |
| 69290  | 1 | 8   | 11  | 2          | 63 |



## Description

**MALE THREADED PIPE UNION**, lead-free, for socket fusion directly to a PP-R fittings

| Part # |   |     | SDR | dimensions |           |
|--------|---|-----|-----|------------|-----------|
|        |   |     |     | inches     | mm        |
| 69230U | 5 | 200 | 11  | M½ - ½     | M½ - 20   |
| 69232U | 5 | 100 | 11  | M¾ - ¾     | M¾ - 25   |
| 69234U | 5 | 50  | 11  | M1 - 1     | M1 - 32   |
| 69236U | 5 | 40  | 11  | M1 ¼ - 1 ¼ | M1 ¼ - 40 |
| 69238U | 1 | 20  | 11  | M1 ½ - 1 ½ | M1 ½ - 50 |
| 69240U | 1 | 15  | 11  | M2 - 2     | M2 - 63   |



## Description

**FEMALE THREADED PIPE UNION**, lead-free, for socket fusion directly to PP-R fittings

| Part # |   |     | SDR | dimensions |           |
|--------|---|-----|-----|------------|-----------|
|        |   |     |     | inches     | mm        |
| 69260U | 5 | 200 | 11  | F½ - ½     | F½ - 20   |
| 69262U | 5 | 100 | 11  | F¾ - ¾     | F¾ - 25   |
| 69264U | 5 | 50  | 11  | F1 - 1     | F1 - 32   |
| 63266U | 5 | 40  | 11  | F1 ¼ - 1 ¼ | F1 ¼ - 40 |
| 69268U | 1 | 20  | 11  | F1 ½ - 1 ½ | F1 ½ - 50 |
| 69270U | 1 | 15  | 11  | F2 - 2     | F2 - 63   |



## Description

**RING NUT - FEMALE**, for socket fusion, with alloy thread

| Part # |   |     | dimensions |    |
|--------|---|-----|------------|----|
|        |   |     | inches     | mm |
| 69314U | 5 | 200 | F½         | F½ |

## Description



**PP-R PIPE PLUG**, for socket fusion, for hole repairs

| Part # |    |      | dimensions    |           |
|--------|----|------|---------------|-----------|
|        |    |      | <i>inches</i> | <i>mm</i> |
| 69350  | 10 | 1000 | 0.28 - 0.43   | 7 - 11    |

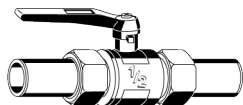
## Description



**ELECTRO-FUSION COUPLING**, for welding with low voltage 48V

| Part # |    |     | SDR | dimensions    |           |
|--------|----|-----|-----|---------------|-----------|
|        |    |     |     | <i>inches</i> | <i>mm</i> |
| 69508U | 10 | 250 | 5   | ½             | 20        |
| 69510U | 10 | 200 | 5   | ¾             | 25        |
| 69512U | 10 | 150 | 5   | 1             | 32        |
| 69514U | 5  | 100 | 5   | 1 ¼           | 40        |
| 69516U | 5  | 75  | 5   | 1 ½           | 50        |
| 69518U | 5  | 50  | 5   | 2             | 63        |
| 69520U | 1  | 40  | 5   | 2 ½           | 75        |
| 69522U | 1  | 24  | 5   | 3             | 90        |
| 69524U | 1  | 12  | 5   | 3 ½           | 110       |
| 69526U | 1  | 6   | 5   | 4             | 125       |
| 69528U | 1  | 4   | 11  | 6             | 160       |
| 69530U | 1  | 4   | 11  | 8             | 200       |
| 69532U | 1  | 1   | 11  | 10            | 250       |
| 69534U | 1  | 1   | 11  | 12            | 315       |
| 69536U | 1  | 1   | 11  | 14            | 355       |
| 69538U | 1  | 1   | 11  | 16            | 400       |

## Description



**BALL VALVE**, alloy, for socket fusion directly to PP-R fittings, with male pipe unions

| Part # |   |    | SDR | dimensions    |           |
|--------|---|----|-----|---------------|-----------|
|        |   |    |     | <i>inches</i> | <i>mm</i> |
| 40008U | 5 | 50 | 11  | ½             | 20        |
| 40010U | 5 | 40 | 11  | ¾             | 25        |
| 40012U | 1 | 20 | 11  | 1             | 32        |
| 40014U | 1 | 15 | 11  | 1 ¼           | 40        |
| 40016U | 1 | 10 | 11  | 1 ½           | 50        |
| 40018U | 1 | 7  | 11  | 2             | 63        |



## Description

**BALL VALVE**, alloy, with butterfly handle, for socket fusion directly to PP-R fittings, with pipe unions

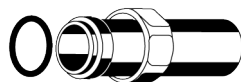
| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40058U | 5 | 50 | 11  | ½          | 20 |
| 40060U | 5 | 40 | 11  | ¾          | 25 |
| 40062U | 1 | 20 | 11  | 1          | 32 |



## Description

**HANDLE**, for ball valve

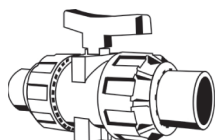
| Part # |   | for code        |
|--------|---|-----------------|
| 40130  | 1 | 40008U - 40010U |
| 40132  | 1 | 40012U - 40014U |
| 40134  | 1 | 40016U - 40018U |



## Description

**PIPE UNION ADAPTER WITH NUT**, for socket fusion directly to PP-R fitting, for ball valves: 40008U, 40058U, 40068U, 40098U, 40108U

| Part # |    |     | dimensions |           |
|--------|----|-----|------------|-----------|
|        |    |     | inches     | mm        |
| 40208U | 10 | 200 | F¾ - ½     | F¾ - 20   |
| 40210U | 10 | 200 | F1 - ¾     | F1 - 25   |
| 40212U | 5  | 100 | F1 ¼ - 1   | F1 ¼ - 32 |
| 40214U | 5  | 100 | F1 ½ - 1 ¼ | F1 ½ - 40 |
| 40216U | 1  | 50  | F2 - 1 ½   | F2 - 50   |
| 40218U | 1  | 20  | F2 ½ - 2   | F2 ½ - 63 |

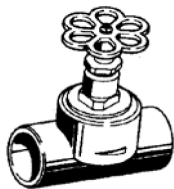


## Description

**PP-R BALL VALVE & BODY**, FULLY IN PP-R, lead-free, for socket fusion

| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40258U | 1 | 25 | 5   | ½          | 20 |
| 40260U | 1 | 20 | 5   | ¾          | 25 |
| 40262U | 1 | 15 | 5   | 1          | 32 |
| 40264U | 1 | 10 | 5   | 1 ¼        | 40 |
| 40266U | 1 | 8  | 5   | 1 ½        | 50 |
| 40268U | 1 |    | 5   | 2          | 63 |

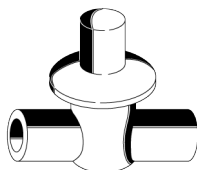
## Description



**GLOBE STOP-COCK**, for socket fusion, for outdoor use, with gasket and wheel handle

| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40719U | 1 | 40 | 5   | ½          | 20 |
| 40721U | 1 | 40 | 5   | ¾          | 25 |
| 40723U | 1 | 30 | 5   | 1          | 32 |

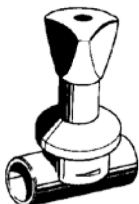
## Description



**BALL STOP-COCK w/ CONCEALED HANDLE & COVER**, for socket fusion, for enclosed application with an exposed chrome-plated closing cap

| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40730U | 1 | 40 | 5   | ½          | 20 |
| 40732U | 1 | 40 | 5   | ¾          | 25 |

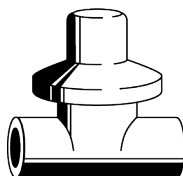
## Description



**GLOBE STOP-COCK w/ CHROME HANDLE**, for socket fusion, for enclosed application with exposed handle, chrome-plated, with gasket

| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40900U | 1 | 40 | 5   | ½          | 20 |
| 40902U | 1 | 40 | 5   | ¾          | 25 |
| 40920U | 1 | 30 | 5   | 1          | 32 |

## Description



**GLOBE STOP-COCK w/ CHROME HANDLE**, for socket fusion, for enclosed applications with an exposed chrome-plated closing cap, with gasket

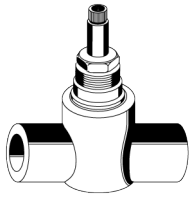
| Part # |   |    | SDR | dimensions |    |
|--------|---|----|-----|------------|----|
|        |   |    |     | inches     | mm |
| 40921U | 1 | 40 | 5   | ½          | 20 |
| 40923U | 1 | 40 | 5   | ¾          | 25 |
| 40924U | 1 | 30 | 5   | 1          | 32 |

## Description



**GLOBE STOP-COCK BODY**, lead-free, for socket fusion, for screw type shut-off valves, with alloy thread

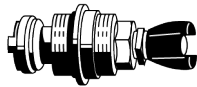
| Part # |    |     | SDR | dimensions |    |
|--------|----|-----|-----|------------|----|
|        |    |     |     | inches     | mm |
| 40846U | 10 | 100 | 5   | ½          | 20 |
| 40847U | 10 | 100 | 5   | ¾          | 25 |
| 40850U | 5  | 50  | 5   | 1          | 32 |



## Description

STOP-COCK BODY WITH BALL VALVE, alloy, for socket fusion

| Part # |   | SDR | dimensions |    |
|--------|---|-----|------------|----|
|        |   |     | inches     | mm |
| 40852U | 1 | 5   | ½          | 20 |
| 40854U | 1 | 5   | ¾          | 25 |



## Description

AUGER (VALVE STEM), alloy, with handle and gasket

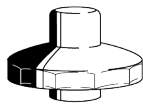
| Part # |   |     | for code                    |
|--------|---|-----|-----------------------------|
| 40925  | 5 | 100 | 40921U-40923U-40846U-40847U |
| 40926  | 5 |     | 40924U-40850U               |



## Description

HANDWHEEL, for auger

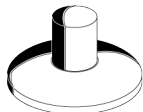
| Part # |   |     | for code                         |
|--------|---|-----|----------------------------------|
| 40990  | 5 | 100 | 40921U-40923U-40924U-40925-40926 |



## Description

CAP, alloy, with chrome-plated washer

| Part # |   |     | for code            |
|--------|---|-----|---------------------|
| 40927  | 5 | 100 | 40921U-40923U-40925 |
| 40950  | 5 | 80  | 40924U-40926        |



## Description

CAP, alloy, with chrome-plated washer

| Part # |   |  | for code                    |
|--------|---|--|-----------------------------|
| 40952  | 1 |  | 40730U-40732U-40852U-40854U |



## Description

COMPLETE HANDWHEEL AUGER (VALVE STEM), alloy

| Part # |   |     | for code                    |
|--------|---|-----|-----------------------------|
| 40928  | 5 | 100 | 40719U-40712U-40846U-40847U |
| 40953  | 5 |     | 40723U-40953U               |

## Description



**HANDLE**, alloy, for auger (valve stem)

| Part # |   |     | for code            |  |
|--------|---|-----|---------------------|--|
| 40992  | 1 | 100 | 40719U-40712U-40928 |  |
| 40994  | 1 |     | 40723U-40953U       |  |

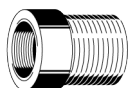
## Description



**AUGER (VALVE STEM)**, alloy, for handle valve

| Part # |   |     | for code      |  |
|--------|---|-----|---------------|--|
| 40956  | 5 | 100 | 40900U-40902U |  |
| 40960  | 5 | 100 | 40920U        |  |

## Description



**EXTENSION**, alloy, for shut-off valve, length 1.42 inches (mm 36)

| Part # |   |     | for code                           |  |
|--------|---|-----|------------------------------------|--|
| 40931  | 5 | 400 | 40730U-70732U-40900U-40921U-40923U |  |
| 40933  | 5 | 400 | 40920U-40924U                      |  |

## Description



**EXTENSION**, alloy, for shut-off valve, length 1.59 inches (mm 40,5)

| Part # |   |     | for code                                                |  |
|--------|---|-----|---------------------------------------------------------|--|
| 40934  | 5 | 400 | 40900U-40902U-40921U-40923U-40730U-40732U-40920U-40924U |  |

## Description



**CLIPS**, for pipe support

| Part # |   |      | for pipe |       |  |
|--------|---|------|----------|-------|--|
|        |   |      | inches   | mm    |  |
| 27042  | 1 | 2000 | ½        | 16-18 |  |
| 27044  | 1 | 2000 | ½        | 20-22 |  |
| 27046  | 1 | 1500 | ¾        | 25-27 |  |



## Description

**CLOSING CAP**, NPT thread, for pressure testing

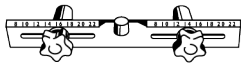
| Part # |    |     | dimension |     |
|--------|----|-----|-----------|-----|
|        |    |     | inches    | mm  |
| 27048U | 10 | 500 | M½        | M20 |
| 27050U | 10 | 400 | M¾        | M25 |



## Description

**O-RING**, for testing cap

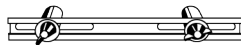
| Part # |    |  | dimension |    |          |
|--------|----|--|-----------|----|----------|
|        |    |  | inches    | mm | for item |
| 27052  | 10 |  | ½         | 20 | 27050    |
| 27053  | 10 |  | ¾         | 25 | 27048    |



## Description

**AIR-BUBBLE SPACER**, metal, adjustable spacer, extension from 3 1/8 to 9 1/2 inches (mm 80 to 240)

| Part #             |   |    | dimension |        |
|--------------------|---|----|-----------|--------|
|                    |   |    | inches    | mm     |
| 27054 <sup>Δ</sup> | 1 | 35 | 3.15~9.45 | 80~240 |



## Description

**SPACER**, plastics, adjustable, extension from 3 1/8 to 9 1/2 inches (mm 80 to 240)

| Part #             |   |     | dimension |        |
|--------------------|---|-----|-----------|--------|
|                    |   |     | inches    | mm     |
| 27056 <sup>Δ</sup> | 5 | 100 | 3.15~9.45 | 80~240 |



## Description

**PRE-BORED PLATE**, for mounting fittings

| Part # |   |     | for code                    |  |
|--------|---|-----|-----------------------------|--|
|        |   |     |                             |  |
| 27058  | 5 | 250 | 67108U-67109U-67110U-67111U |  |

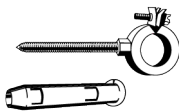


## Description

**POSITIONER**, metal, adjustable for radiator connection rough-in, extension from 1 to 3 feet (mm 400 to 950)

| Part # |   |  | extension |         |
|--------|---|--|-----------|---------|
|        |   |  | inches    | mm      |
| 50250* | 5 |  | 1~3       | 400~950 |

## Description



**RING CLAMPS**, with rubber protection and threaded screw

| Part # |   |     | dimensions |    |  |
|--------|---|-----|------------|----|--|
|        |   |     | inches     | mm |  |
| 27520  | 5 | 150 | ½          | 20 |  |
| 27525  | 5 | 150 | ¾          | 25 |  |
| 27532  | 5 | 100 | 1          | 32 |  |
| 27540  | 5 | 100 | 1 ¼        | 40 |  |
| 27550  | 5 | 50  | 1 ½        | 50 |  |
| 27563  | 5 | 50  | 2          | 63 |  |

## Description



**RING CLAMPS**, with rubber protection

| Part # |   |    | dimensions |     |  |
|--------|---|----|------------|-----|--|
|        |   |    | inches     | mm  |  |
| 27575  | 1 | 30 | 2 ½        | 75  |  |
| 27590  | 1 | 30 | 3          | 90  |  |
| 27610  | 1 | 25 | 3 ½        | 110 |  |
| 27612  | 1 | 25 | 4          | 125 |  |
| 27614  | 1 | 15 | 6          | 160 |  |
| 27616  | 1 | 10 | 8          | 200 |  |
| 27618  | 1 | 10 | 10         | 250 |  |

## Description



**Miller**, for outlet fusion to Ø1 ¼" - 12" pipe

| Part # |   | dimensions |     |  |
|--------|---|------------|-----|--|
|        |   | inches     | mm  |  |
| 50346  | 1 | ½          | 20  |  |
| 50348  | 1 | ¾          | 25  |  |
| 50352  | 1 | 1          | 32  |  |
| 50354  | 1 | 1 ¼        | 40  |  |
| 50356  | 1 | 1 ½        | 50  |  |
| 50358  | 1 | 2          | 63  |  |
| 50360  | 1 | 2 1/2      | 75  |  |
| 50362  | 1 | 3          | 90  |  |
| 50364  | 1 | 3 1/2      | 110 |  |
| 50366  | 1 | 4          | 125 |  |



P.O. Box580550, Tulsa, OK 74158-0550  
Tel: (918)831-9225 Fax: (918)831-9256  
[mcelroy.com](http://mcelroy.com)



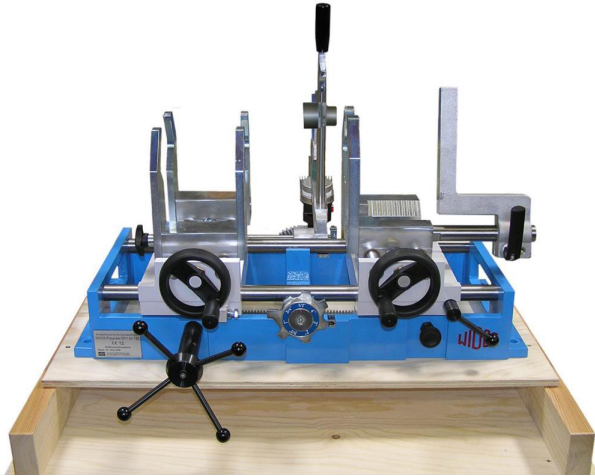
300 Acuff Rd. S, Lake Wales, FL 33859  
Tel: (863)679-8655 Fax: (863)679-8685  
[ritmoamerica.com](http://ritmoamerica.com)



**aquatechnik NA**



1375 Highlands Ridge Rd. SE, Suite A, Smyrna, GA 30082  
Tel: (678)766-1250 Fax: (678)766-1249  
[widoswelding.com](http://widoswelding.com)



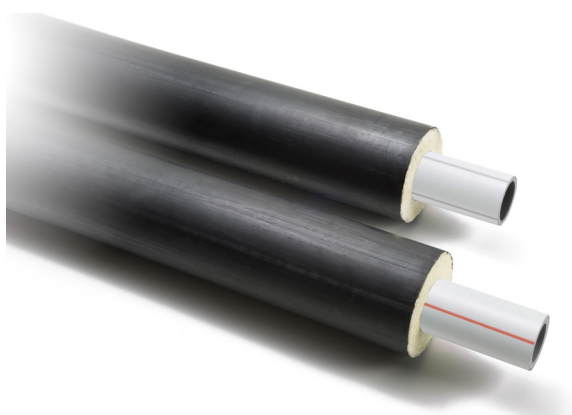
# Iso-Tech

*Insulated PP-RCT 125 pipe and fittings for polyfusion welding*

Range  
From Ø 1" to 12"

Use  
For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F.

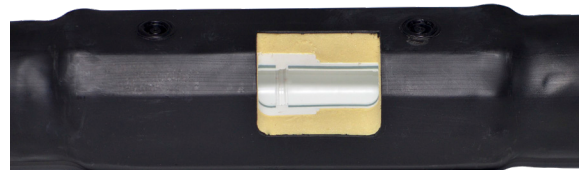
Applications  
Sanitary systems, domestic plumbing, heating/cooling, industrial, food grade (pending) and non-food grade fluid transport.



The iso-tech system includes a complete range of pre-insulated fittings and single pipes insulated with PUR (stiff polyurethane) foam protected by a casing made of PEHD. The Iso-Tech Pipe family includes the **faser FIBER-T** and **faser FIBER-COND** pipes with special re-enforced fibers in the middle layer.

The **faser FIBER-T** is ideal for heating, air conditioning, domestic hot water, warm water transport, irrigation and compressed air systems.

The **faser FIBER-COND** is designed for heating, chilled water and other mechanical systems



Like all the pipes in the system, the FIBER-T and the FIBER-COND can be polyfused with the Fusion-Tech fittings. All PP-R fittings with brass are lead-free.



## FUSION-TECH PIPE FIELDS OF APPLICATION

|                          | PLUMBING SYSTEMS<br>faser FIBER-T<br>Red Striped Pipe | MECHANICAL SYSTEMS<br>faser FIBER-COND<br>Grey-Striped Pipe |
|--------------------------|-------------------------------------------------------|-------------------------------------------------------------|
| HEATING SYSTEMS          | Yes                                                   | Yes                                                         |
| CHILLED WATER SYSTEMS    | Yes                                                   | Yes                                                         |
| MARINE APPLICATIONS      | Yes                                                   | Yes                                                         |
| RAINWATER COLLECTION     | No                                                    | No                                                          |
| COMPRESSED AIR SYSTEMS   | Yes                                                   | Yes                                                         |
| IN-FLOOR HEATING         | Yes                                                   | Yes                                                         |
| CHEMICAL APPLICATION     | Consult Factory                                       | Consult Factory                                             |
| POTABLE WATER*           | Yes                                                   | No                                                          |
| FOOD GRADE               | Yes                                                   | No                                                          |
| FIRE PROTECTION          | Pending                                               | Pending                                                     |
| UNDERGROUND APPLICATIONS | Yes                                                   | Yes                                                         |
| IRRIGATION               | No                                                    | No                                                          |

Note:

For all other applications, please consult your aquatechnik® PP-RCT 125 and PP-R Super 80 fusion pipe distributor. aquatechnik® Fusion-tech pipe and fittings are certified to NSF/ ANSI 14, 61 and 372.

### Advantages

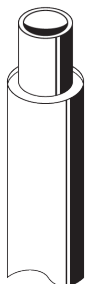
- Leader in high flow rate and low pressure drop.
- Resistant to lime, cement, plaster and electro-chemical reaction.
- Completely compatible with warm and cold fluids.
- Economical quick-and-easy installation.
- Pre-insulated for outdoor use
- Self-compensates for thermal expansion
- Acceptable for direct bury applications

| Fusion-Tech faser Fiber-T Red Striped pipe |                      | Fusion-Tech faser Fiber-COND Grey Striped Pipe |                      |
|--------------------------------------------|----------------------|------------------------------------------------|----------------------|
| Listings and Approvals:                    | Reference Standards: | Listings and Approvals:                        | Reference Standards: |
| NSF/ANSI 61                                | ASTM F2389-17        | NSF/ANSI 14                                    | ASTM F2389-17        |
| NSF/ANSI 14                                | ASTM F2023           | NSF/ANSI 372                                   | ASTM F2023           |
| NSF/ANSI 51                                | ASTM D2837           | IPC 2009 sec. 605IMC2009 ch. 12                | ASTM D2837           |
| NSF/ANSI-pw                                | DIN 8078             | IRC 2009 ch. 21 & 26                           | DIN 8078             |
| NSF/ANSI 372                               | DIN 8077             | UMC 2012 ch. 6                                 | DIN 8077             |
| IPC 2009 sec. 605IMC2009 ch. 12            | CSA B137.11          |                                                | CSA B137.11          |
| IRC 2009 ch. 21 & 26                       | CSA B214             |                                                | CSA B214             |
| UMC 2012 ch. 6                             | ISO 9080             |                                                | ISO 9080             |
|                                            | ISO 15874            |                                                | ISO 15874            |
|                                            | ISO 9001             |                                                | ISO 9001             |



## Description

**faser ISO FIBER-T RED STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating stick length 19ft from Ø 1" up to 12"



| Part #   | ft. per package | No. sticks | SDR | OD     |     | ID     |       | Insulation OD |     |  |
|----------|-----------------|------------|-----|--------|-----|--------|-------|---------------|-----|--|
|          |                 |            |     | inches | mm  | inches | mm    | inches        | mm  |  |
| 61362PCU | 19              | 1          | 7.4 | 1      | 32  | 0.91   | 23.2  | 3.54          | 90  |  |
| 61364PCU | 19              | 1          | 7.4 | 1 ¼    | 40  | 1.14   | 29    | 4.33          | 110 |  |
| 61366PCU | 19              | 1          | 7.4 | 1 ½    | 50  | 1.28   | 32.6  | 4.33          | 110 |  |
| 61368PCU | 19              | 1          | 7.4 | 2      | 63  | 1.80   | 45.8  | 4.92          | 125 |  |
| 61370PCU | 19              | 1          | 7.4 | 2 ½    | 75  | 2.14   | 54.4  | 5.51          | 140 |  |
| 61372PCU | 19              | 1          | 7.4 | 3      | 90  | 2.57   | 65.4  | 6.30          | 160 |  |
| 61374PCU | 19              | 1          | 7.4 | 3 ½    | 110 | 3.14   | 79.8  | 7.87          | 200 |  |
| 61376PCU | 19              | 1          | 7.4 | 4      | 125 | 3.57   | 90.8  | 8.86          | 225 |  |
| 61378PCU | 19              | 1          | 11  | 6      | 160 | 5.15   | 130.8 | 9.84          | 250 |  |
| 61380PCU | 19              | 1          | 11  | 8      | 200 | 6.44   | 163.6 | 12.40         | 315 |  |
| 61382PCU | 19              | 1          | 11  | 10     | 250 | 8.06   | 204.6 | 15.75         | 400 |  |
| 61384PCU | 19              | 1          | 11  | 12     | 315 | 10.15  | 257.8 | 17.72         | 450 |  |

## Description

**faser ISO FIBER-T RED STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating stick length 38 ft from Ø 1" up to 10"



| Part #   | ft. per package | No. sticks | SDR | OD     |     | ID     |       | Insulation OD |     |  |
|----------|-----------------|------------|-----|--------|-----|--------|-------|---------------|-----|--|
|          |                 |            |     | inches | mm  | inches | mm    | inches        | mm  |  |
| 61362PLU | 38              | 1          | 7.4 | 1      | 32  | 0.91   | 23.2  | 3.54          | 90  |  |
| 61364PLU | 38              | 1          | 7.4 | 1 ¼    | 40  | 1.14   | 29    | 4.33          | 110 |  |
| 61366PLU | 38              | 1          | 7.4 | 1 ½    | 50  | 1.28   | 32.6  | 4.33          | 110 |  |
| 61368PLU | 38              | 1          | 7.4 | 2      | 63  | 1.80   | 45.8  | 4.92          | 125 |  |
| 61370PLU | 38              | 1          | 7.4 | 2 ½    | 75  | 2.14   | 54.4  | 5.51          | 140 |  |
| 61372PLU | 38              | 1          | 7.4 | 3      | 90  | 2.57   | 65.4  | 6.30          | 160 |  |
| 61374PLU | 38              | 1          | 7.4 | 3 ½    | 110 | 3.14   | 79.8  | 7.87          | 200 |  |
| 61376PLU | 38              | 1          | 7.4 | 4      | 125 | 3.57   | 90.8  | 8.86          | 225 |  |
| 61378PLU | 38              | 1          | 11  | 6      | 160 | 5.15   | 130.8 | 9.84          | 250 |  |
| 61380PLU | 38              | 1          | 11  | 8      | 200 | 6.44   | 163.6 | 12.40         | 315 |  |
| 61382PLU | 38              | 1          | 11  | 10     | 250 | 8.06   | 204.6 | 15.75         | 400 |  |



## Description

**90° faser ISO FIBER-T RED STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 4"

| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 63112PCTU | 1 | 1 | 7.4 | 1               | 32  | 3.54                  | 90  |  |
| 63114PCTU | 1 | 1 | 7.4 | 1 ¼             | 40  | 4.33                  | 110 |  |
| 63116PCTU | 1 | 1 | 7.4 | 1 ½             | 50  | 4.33                  | 110 |  |
| 63118PCTU | 1 | 1 | 7.4 | 2               | 63  | 4.92                  | 125 |  |
| 63120PCTU | 1 | 1 | 7.4 | 3 ½             | 75  | 5.51                  | 140 |  |
| 63122PCTU | 1 | 1 | 7.4 | 3               | 90  | 6.30                  | 160 |  |
| 63124PCTU | 1 | 1 | 7.4 | 3 ½             | 110 | 7.87                  | 200 |  |
| 63126PCTU | 1 | 1 | 7.4 | 4               | 125 | 8.86                  | 225 |  |



## Description

**90° faser ISO FIBER-T RED STRIPED LONG ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #     |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|------------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|            |   |   |     | inches          | mm  | inches                | mm  |  |
| 63112PLTU  | 1 | 1 | 7.4 | 1               | 32  | 3.54                  | 90  |  |
| 63114PLTU  | 1 | 1 | 7.4 | 1 ¼             | 40  | 4.33                  | 110 |  |
| 63116PLTU  | 1 | 1 | 7.4 | 1 ½             | 50  | 4.33                  | 110 |  |
| 63118PLTU  | 1 | 1 | 7.4 | 2               | 63  | 4.92                  | 125 |  |
| 63120PLTU  | 1 | 1 | 7.4 | 3 ½             | 75  | 5.51                  | 140 |  |
| 63122PLTU  | 1 | 1 | 7.4 | 3               | 90  | 6.30                  | 160 |  |
| 63124PLTU  | 1 | 1 | 7.4 | 3 ½             | 110 | 7.87                  | 200 |  |
| 63126PLTU  | 1 | 1 | 7.4 | 4               | 125 | 8.86                  | 225 |  |
| 63128PLTU  | 1 | 1 | 11  | 6               | 160 | 9.84                  | 250 |  |
| 63130PLTU  | 1 | 1 | 11  | 8               | 200 | 12.40                 | 315 |  |
| 63132PLTU  | 1 | 1 | 11  | 10              | 250 | 15.75                 | 400 |  |
| 635134PLTU | 1 | 1 | 11  | 12              | 315 | 17.72                 | 450 |  |

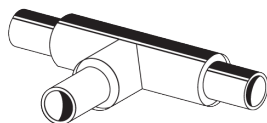
## Description



**45° faser ISO FIBER-T RED STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

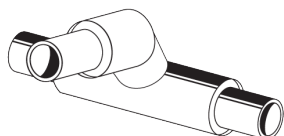
| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 63512PCTU | 1 | 1 | 7.4 | 1               | 32  | 3.54                  | 90  |  |
| 63514PCTU | 1 | 1 | 7.4 | 1 ¼             | 40  | 4.33                  | 110 |  |
| 63516PCTU | 1 | 1 | 7.4 | 1 ½             | 50  | 4.33                  | 110 |  |
| 63518PCTU | 1 | 1 | 7.4 | 2               | 63  | 4.92                  | 125 |  |
| 63520PCTU | 1 | 1 | 7.4 | 3 ½             | 75  | 5.51                  | 140 |  |
| 63522PCTU | 1 | 1 | 7.4 | 3               | 90  | 6.30                  | 160 |  |
| 63524PCTU | 1 | 1 | 7.4 | 3 ½             | 110 | 7.87                  | 200 |  |
| 63526PCTU | 1 | 1 | 7.4 | 4               | 125 | 8.86                  | 225 |  |
| 63528PCTU | 1 | 1 | 11  | 6               | 160 | 9.84                  | 250 |  |
| 63530PCTU | 1 | 1 | 11  | 8               | 200 | 12.40                 | 315 |  |
| 63532PCTU | 1 | 1 | 11  | 10              | 250 | 15.75                 | 400 |  |
| 63534PCTU | 1 | 1 | 11  | 12              | 315 | 17.72                 | 450 |  |

## Description



**faser ISO FIBER-T RED STRIPED TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

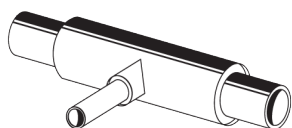
| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 64112PCTU | 1 | 1 | 7.4 | 1               | 32  | 3.54                  | 90  |  |
| 64114PCTU | 1 | 1 | 7.4 | 1 ¼             | 40  | 4.33                  | 110 |  |
| 64116PCTU | 1 | 1 | 7.4 | 1 ½             | 50  | 4.33                  | 110 |  |
| 64118PCTU | 1 | 1 | 7.4 | 2               | 63  | 4.92                  | 125 |  |
| 64120PCTU | 1 | 1 | 7.4 | 3 ½             | 75  | 5.51                  | 140 |  |
| 64122PCTU | 1 | 1 | 7.4 | 3               | 90  | 6.30                  | 160 |  |
| 64124PCTU | 1 | 1 | 7.4 | 3 ½             | 110 | 7.87                  | 200 |  |
| 64126PCTU | 1 | 1 | 7.4 | 4               | 125 | 8.86                  | 225 |  |
| 64128PCTU | 1 | 1 | 11  | 6               | 160 | 9.84                  | 250 |  |
| 64130PCTU | 1 | 1 | 11  | 8               | 200 | 12.40                 | 315 |  |
| 64132PCTU | 1 | 1 | 11  | 10              | 250 | 15.75                 | 400 |  |
| 64134PCTU | 1 | 1 | 11  | 12              | 315 | 17.72                 | 450 |  |



## Description

**faser ISO FIBER-T RED STRIPED OVER-RUN TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 64112PSTU | 1 | 1 | 7.4 | 1               | 32  | 3.54                  | 90  |  |
| 64114PSTU | 1 | 1 | 7.4 | 1 ¼             | 40  | 4.33                  | 110 |  |
| 64116PSTU | 1 | 1 | 7.4 | 1 ½             | 50  | 4.33                  | 110 |  |
| 64118PSTU | 1 | 1 | 7.4 | 2               | 63  | 4.92                  | 125 |  |
| 64120PSTU | 1 | 1 | 7.4 | 3 ½             | 75  | 5.51                  | 140 |  |
| 64122PSTU | 1 | 1 | 7.4 | 3               | 90  | 6.30                  | 160 |  |
| 64124PSTU | 1 | 1 | 7.4 | 3 ½             | 110 | 7.87                  | 200 |  |
| 64126PSTU | 1 | 1 | 7.4 | 4               | 125 | 8.86                  | 225 |  |
| 64128PSTU | 1 | 1 | 11  | 6               | 160 | 9.84                  | 250 |  |
| 64130PSTU | 1 | 1 | 11  | 8               | 200 | 12.40                 | 315 |  |
| 64132PSTU | 1 | 1 | 11  | 10              | 250 | 15.75                 | 400 |  |
| 64134PSTU | 1 | 1 | 11  | 12              | 315 | 17.72                 | 450 |  |

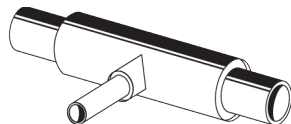


## Description

**faser ISO FIBER-T RED STRIPED REDUCED TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

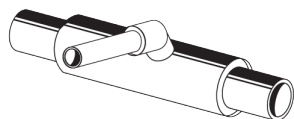
| Part #     |   |   | SDR | pipe dimensions |            | insulation dimensions |             |  |
|------------|---|---|-----|-----------------|------------|-----------------------|-------------|--|
|            |   |   |     | inches          | mm         | inches                | mm          |  |
| 642460PCTU | 1 | 1 | 7.4 | 1 ¼-1 ¼-1       | 40-40-32   | 4.33-4.33-3.54        | 110-110-90  |  |
| 642500PCTU | 1 | 1 | 7.4 | 1 ½-1 ½-1       | 50-50-32   | 4.33-4.33-3.54        | 110-110-90  |  |
| 642510PCTU | 1 | 1 | 7.4 | 1 ½-1 ½-1 ¼     | 50-50-40   | 4.33-4.33-4.33        | 110-110-110 |  |
| 642560PCTU | 1 | 1 | 7.4 | 2-2-1           | 63-63-32   | 4.92-4.92-3.54        | 125-125-90  |  |
| 642580PCTU | 1 | 1 | 7.4 | 2-2-1 ¼         | 63-63-40   | 4.92-4.92-4.33        | 125-125-110 |  |
| 642600PCTU | 1 | 1 | 7.4 | 2-2-1 ½         | 63-63-50   | 4.92-4.92-4.33        | 125-125-110 |  |
| 642640PCTU | 1 | 1 | 7.4 | 2 ½-2 ½-1       | 75-75-32   | 5.51-5.51-3.54        | 140-140-90  |  |
| 642660PCTU | 1 | 1 | 7.4 | 2 ½-2 ½-1 ¼     | 75-75-40   | 5.51-5.51-4.33        | 140-140-110 |  |
| 642680PCTU | 1 | 1 | 7.4 | 2 ½-2 ½-1 ½     | 75-75-50   | 5.51-5.51-4.33        | 140-140-110 |  |
| 642700PCTU | 1 | 1 | 7.4 | 2 ½-2 ½-2       | 75-75-63   | 5.51-5.51-4.92        | 140-140-125 |  |
| 642796PCTU | 1 | 1 | 7.4 | 3-3-1           | 90-90-32   | 6.30-6.30-3.54        | 160-160-90  |  |
| 642798PCTU | 1 | 1 | 7.4 | 3-3-1 ¼         | 90-90-40   | 6.30-6.30-4.33        | 160-160-110 |  |
| 642800PCTU | 1 | 1 | 7.4 | 3-3-1 ½         | 90-90-50   | 6.30-6.30-4.33        | 160-160-110 |  |
| 642820PCTU | 1 | 1 | 7.4 | 3-3-2           | 90-90-63   | 6.30-6.30-4.92        | 160-160-125 |  |
| 642840PCTU | 1 | 1 | 7.4 | 3-3-2 ½         | 90-90-75   | 6.30-6.30-5.51        | 160-160-140 |  |
| 642854PCTU | 1 | 1 | 7.4 | 3 ½-3 ½-1       | 110-110-32 | 7.87-7.87-3.54        | 200-200-90  |  |
| 642856PCTU | 1 | 1 | 7.4 | 3 ½-3 ½-1 ¼     | 110-110-40 | 7.87-7.87-4.33        | 200-200-110 |  |
| 642858PCTU | 1 | 1 | 7.4 | 3 ½-3 ½-1 ½     | 110-110-50 | 7.87-7.87-4.33        | 200-200-110 |  |
| 642860PCTU | 1 | 1 | 7.4 | 3 ½-3 ½-2       | 110-110-63 | 7.87-7.87-4.92        | 200-200-125 |  |
| 642880PCTU | 1 | 1 | 7.4 | 3 ½-3 ½-2 ½     | 110-110-75 | 7.87-7.87-5.51        | 200-200-140 |  |

## Description



**faser ISO FIBER-T RED STRIPED REDUCED TEE (CONT'D)**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #     |   |   | SDR | pipe dimensions |             | insulation dimensions |             |  |
|------------|---|---|-----|-----------------|-------------|-----------------------|-------------|--|
|            |   |   |     | inches          | mm          | inches                | mm          |  |
| 642900PCTU | 1 | 1 | 7.4 | 3½-3½-3         | 110-110-90  | 7.87-7.87-6.30        | 200-200-160 |  |
| 642934PCTU | 1 | 1 | 7.4 | 4-4-1½          | 125-125-50  | 8.86-8.86-4.33        | 225-225-110 |  |
| 642936PCTU | 1 | 1 | 7.4 | 4-4-2           | 125-125-63  | 8.86-8.86-4.92        | 225-225-125 |  |
| 642938PCTU | 1 | 1 | 7.4 | 4-4-2½          | 125-125-75  | 8.86-8.86-5.51        | 225-225-140 |  |
| 642940PCTU | 1 | 1 | 7.4 | 4-4-3           | 125-125-90  | 8.86-8.86-6.30        | 225-225-160 |  |
| 642960PCTU | 1 | 1 | 7.4 | 4-4-3½          | 125-125-110 | 8.86-8.86-7.87        | 225-225-200 |  |
| 642976PCTU | 1 | 1 | 11  | 6-6-2           | 160-160-63  | 9.84-9.84-4.92        | 250-250-125 |  |
| 642978PCTU | 1 | 1 | 11  | 6-6-2½          | 160-160-75  | 9.84-9.84-5.51        | 250-250-140 |  |
| 642980PCTU | 1 | 1 | 11  | 6-6-3           | 160-160-90  | 9.84-9.84-6.30        | 250-250-160 |  |
| 642990PCTU | 1 | 1 | 11  | 6-6-3½          | 160-160-110 | 9.84-9.84-7.87        | 250-250-200 |  |
| 643000PCTU | 1 | 1 | 11  | 6-6-4           | 160-160-125 | 9.84-9.84-8.86        | 250-250-225 |  |
| 643010PCTU | 1 | 1 | 11  | 8-8-2           | 200-200-63  | 12.40-12.40-4.92      | 315-315-125 |  |
| 643012PCTU | 1 | 1 | 11  | 8-8-2½          | 200-200-75  | 12.40-12.40-5.51      | 315-315-140 |  |
| 643014PCTU | 1 | 1 | 11  | 8-8-3           | 200-200-90  | 12.40-12.40-6.30      | 315-315-160 |  |
| 643016PCTU | 1 | 1 | 11  | 8-8-3½          | 200-200-110 | 12.40-12.40-7.87      | 315-315-200 |  |
| 643018PCTU | 1 | 1 | 11  | 8-8-4           | 200-200-125 | 12.40-12.40-8.86      | 315-315-225 |  |
| 643020PCTU | 1 | 1 | 11  | 8-8-6           | 200-200-160 | 12.40-12.40-9.84      | 315-315-250 |  |
| 643044PCTU | 1 | 1 | 11  | 10-10-1         | 250-250-32  | 15.75-15.75-3.54      | 400-400-90  |  |
| 643046PCTU | 1 | 1 | 11  | 10-10-1¼        | 250-250-40  | 15.75-15.75-4.33      | 400-400-110 |  |
| 643048PCTU | 1 | 1 | 11  | 10-10-1½        | 250-250-50  | 15.75-15.75-4.33      | 400-400-110 |  |
| 643050PCTU | 1 | 1 | 11  | 10-10-2         | 250-250-63  | 15.75-15.75-4.92      | 400-400-125 |  |
| 643052PCTU | 1 | 1 | 11  | 10-10-2½        | 250-250-75  | 15.75-15.75-5.51      | 400-400-140 |  |
| 643054PCTU | 1 | 1 | 11  | 10-10-3         | 250-250-90  | 15.75-15.75-6.30      | 400-400-160 |  |
| 643056PCTU | 1 | 1 | 11  | 10-10-3½        | 250-250-110 | 15.75-15.75-7.87      | 400-400-200 |  |
| 643058PCTU | 1 | 1 | 11  | 10-10-4         | 250-250-125 | 15.75-15.75-8.86      | 400-400-225 |  |
| 643060PCTU | 1 | 1 | 11  | 10-10-6         | 250-250-160 | 15.75-15.75-9.84      | 400-400-250 |  |
| 643070PCTU | 1 | 1 | 11  | 10-10-8         | 250-250-200 | 15.75-15.75-12.40     | 400-400-315 |  |
| 643094PCTU | 1 | 1 | 11  | 12-12-8         | 315-315-200 | 17.72-17.72-12.40     | 450-450-315 |  |
| 643096PCTU | 1 | 1 | 11  | 12-12-10        | 315-315-250 | 17.72-17.72-15.75     | 450-450-400 |  |

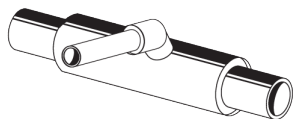


## Description

**faser ISO FIBER-T RED STRIPED REDUCED OVER-RUN TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #     |     | SDR | pipe dimensions |             | insulation dimensions |             |  |
|------------|-----|-----|-----------------|-------------|-----------------------|-------------|--|
|            |     |     | inches          | mm          | inches                | mm          |  |
| 642460PSTU | 1 1 | 7.4 | 1 ¼-1 ¼-1       | 40-40-32    | 4.33-4.33-3.55        | 110-110-90  |  |
| 642500PSTU | 1 1 | 7.4 | 1 ½-1 ½-1       | 50-50-32    | 4.33-4.33-3.55        | 110-110-90  |  |
| 642510PSTU | 1 1 | 7.4 | 1 ½-1 ½-1 ¼     | 50-50-40    | 4.33-4.33-4.33        | 110-110-110 |  |
| 642560PSTU | 1 1 | 7.4 | 2-2-1           | 63-63-32    | 4.93-4.93-3.55        | 125-125-90  |  |
| 642580PSTU | 1 1 | 7.4 | 2-2-1 ¼         | 63-63-40    | 4.93-4.93-4.33        | 125-125-110 |  |
| 642600PSTU | 1 1 | 7.4 | 2-2-1 ½         | 63-63-50    | 4.93-4.93-4.33        | 125-125-110 |  |
| 642640PSTU | 1 1 | 7.4 | 2 ½-2 ½-1       | 75-75-32    | 5.52-5.52-3.55        | 140-140-90  |  |
| 642660PSTU | 1 1 | 7.4 | 2 ½-2 ½-1 ¼     | 75-75-40    | 5.52-5.52-4.33        | 140-140-110 |  |
| 642680PSTU | 1 1 | 7.4 | 2 ½-2 ½-1 ½     | 75-75-50    | 5.52-5.52-4.33        | 140-140-110 |  |
| 642700PSTU | 1 1 | 7.4 | 2 ½-2 ½-2       | 75-75-63    | 5.52-5.52-4.93        | 140-140-125 |  |
| 642796PSTU | 1 1 | 7.4 | 3-3-1           | 90-90-32    | 6.30-6.30-3.55        | 160-160-90  |  |
| 642798PSTU | 1 1 | 7.4 | 3-3-1 ¼         | 90-90-40    | 6.30-6.30-4.33        | 160-160-110 |  |
| 642800PSTU | 1 1 | 7.4 | 3-3-1 ½         | 90-90-50    | 6.30-6.30-4.33        | 160-160-110 |  |
| 642820PSTU | 1 1 | 7.4 | 3-3-2           | 90-90-63    | 6.30-6.30-4.93        | 160-160-125 |  |
| 642840PSTU | 1 1 | 7.4 | 3-3-2 ½         | 90-90-75    | 6.30-6.30-5.52        | 160-160-140 |  |
| 642854PSTU | 1 1 | 7.4 | 3 ½-3 ½-1       | 110-110-32  | 7.88-7.88-3.55        | 200-200-90  |  |
| 642856PSTU | 1 1 | 7.4 | 3 ½-3 ½-1 ¼     | 110-110-40  | 7.88-7.88-4.33        | 200-200-110 |  |
| 642858PSTU | 1 1 | 7.4 | 3 ½-3 ½-1 ½     | 110-110-50  | 7.88-7.88-4.33        | 200-200-110 |  |
| 642860PSTU | 1 1 | 7.4 | 3 ½-3 ½-2       | 110-110-63  | 7.88-7.88-4.93        | 200-200-125 |  |
| 642880PSTU | 1 1 | 7.4 | 3 ½-3 ½-2 ½     | 110-110-75  | 7.88-7.88-5.52        | 200-200-140 |  |
| 642900PSTU | 1 1 | 7.4 | 3 ½-3 ½-3       | 110-110-90  | 7.88-7.88-6.30        | 200-200-160 |  |
| 642934PSTU | 1 1 | 7.4 | 4-4-1 ½         | 125-125-50  | 8.87-8.87-4.33        | 225-225-110 |  |
| 642936PSTU | 1 1 | 7.4 | 4-4-2           | 125-125-63  | 8.87-8.87-4.93        | 225-225-125 |  |
| 642938PSTU | 1 1 | 7.4 | 4-4-2 ½         | 125-125-75  | 8.87-8.87-2.96        | 225-225-140 |  |
| 642940PSTU | 1 1 | 7.4 | 4-4-3           | 125-125-90  | 8.87-8.87-3.55        | 225-225-160 |  |
| 642960PSTU | 1 1 | 7.4 | 4-4-3 ½         | 125-125-110 | 8.87-8.87-7.88        | 225-225-200 |  |
| 642976PSTU | 1 1 | 11  | 6-6-2           | 160-160-63  | 9.85-9.85-4.93        | 250-250-125 |  |
| 642978PSTU | 1 1 | 11  | 6-6-2 ½         | 160-160-75  | 9.85-9.85-5.52        | 250-250-140 |  |
| 642980PSTU | 1 1 | 11  | 6-6-3           | 160-160-90  | 9.85-9.85-6.30        | 250-250-160 |  |
| 642990PSTU | 1 1 | 11  | 6-6-3 ½         | 160-160-110 | 9.85-9.85-7.88        | 250-250-200 |  |
| 643000PSTU | 1 1 | 11  | 6-6-4           | 160-160-125 | 9.85-9.85-8.87        | 250-250-225 |  |
| 643010PSTU | 1 1 | 11  | 8-8-2           | 200-200-63  | 12.41-12.41-4.93      | 315-315-125 |  |
| 643012PSTU | 1 1 | 11  | 8-8-2 ½         | 200-200-75  | 12.41-12.41-5.52      | 315-315-140 |  |
| 643014PSTU | 1 1 | 11  | 8-8-3           | 200-200-90  | 12.41-12.41-6.30      | 315-315-160 |  |
| 643016PSTU | 1 1 | 11  | 8-8-3 ½         | 200-200-110 | 12.41-12.41-7.88      | 315-315-200 |  |
| 643018PSTU | 1 1 | 11  | 8-8-4           | 200-200-125 | 12.41-12.41-8.87      | 315-315-225 |  |
| 643020PSTU | 1 1 | 11  | 8-8-6           | 200-200-160 | 12.41-12.41-9.85      | 315-315-250 |  |
| 643044PSTU | 1 1 | 11  | 10-10-1         | 250-250-32  | 15.76-15.76-3.55      | 400-400-90  |  |
| 643046PSTU | 1 1 | 11  | 10-10-1 ¼       | 250-250-40  | 15.76-15.76-4.33      | 400-400-110 |  |
| 643048PSTU | 1 1 | 11  | 10-10-1 ½       | 250-250-50  | 15.76-15.76-4.33      | 400-400-110 |  |

## Description



faser ISO FIBER-T RED STRIPED REDUCED OVER-RUN TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with red stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #     |     | SDR | pipe dimensions |             | insulation dimensions |             |  |
|------------|-----|-----|-----------------|-------------|-----------------------|-------------|--|
|            |     |     | inches          | mm          | inches                | mm          |  |
| 643050PSTU | 1 1 | 11  | 10-10-2         | 250-250-63  | 15.76-15.76-4.93      | 400-400-125 |  |
| 643052PSTU | 1 1 | 11  | 10-10-2 ½       | 250-250-75  | 15.76-15.76-5.52      | 400-400-140 |  |
| 643054PSTU | 1 1 | 11  | 10-10-3         | 250-250-90  | 15.76-15.76-6.30      | 400-400-160 |  |
| 643056PSTU | 1 1 | 11  | 10-10-3 ½       | 250-250-110 | 15.76-15.76-7.88      | 400-400-200 |  |
| 643058PSTU | 1 1 | 11  | 10-10-4         | 250-250-125 | 15.76-15.76-8.87      | 400-400-225 |  |
| 643060PSTU | 1 1 | 11  | 10-10-6         | 250-250-160 | 15.76-15.76-9.85      | 400-400-250 |  |
| 643070PSTU | 1 1 | 11  | 10-10-8         | 250-250-200 | 15.76-15.76-12.41     | 400-400-315 |  |
| 643094PSTU | 1 1 | 11  | 12-12-8         | 315-315-200 | 17.73-17.73-12.41     | 450-450-315 |  |
| 643096PSTU | 1 1 | 11  | 12-12-10        | 315-315-250 | 17.73-17.73-15.76     | 450-450-400 |  |

## Description



faser ISO FIBER-COND GREY STRIPED PIPE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for mechanical applications, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12", available in 19 ft. lengths.

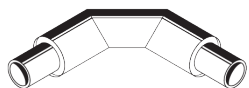
| Part #   | ft. per package | No. sticks | SDR | OD     |     | ID     |        | Insulation OD |     |  |
|----------|-----------------|------------|-----|--------|-----|--------|--------|---------------|-----|--|
|          |                 |            |     | inches | mm  | inches | mm     | inches        | mm  |  |
| 61462PCU | 19              | 1          | 11  | 1      | 32  | 1.03   | 26.20  | 3.55          | 90  |  |
| 61464PCU | 19              | 1          | 11  | 1 ¼    | 40  | 1.28   | 32.60  | 4.33          | 110 |  |
| 61466PCU | 19              | 1          | 11  | 1 ½    | 50  | 1.61   | 40.80  | 4.33          | 110 |  |
| 61468PCU | 19              | 1          | 11  | 2      | 63  | 2.02   | 51.40  | 4.93          | 125 |  |
| 61470PCU | 19              | 1          | 11  | 2 ½    | 75  | 2.42   | 61.40  | 5.52          | 140 |  |
| 61472PCU | 19              | 1          | 11  | 3      | 90  | 2.90   | 73.60  | 6.3           | 160 |  |
| 61474PCU | 19              | 1          | 11  | 3 ½    | 110 | 3.54   | 90.00  | 7.88          | 200 |  |
| 61476PCU | 19              | 1          | 11  | 4      | 125 | 4.02   | 102.20 | 8.87          | 225 |  |
| 61478PCU | 19              | 1          | 11  | 6      | 160 | 5.15   | 130.80 | 9.85          | 250 |  |
| 61480PCU | 19              | 1          | 11  | 8      | 200 | 6.44   | 163.60 | 12.41         | 315 |  |
| 61482PCU | 19              | 1          | 11  | 10     | 250 | 8.06   | 204.60 | 15.76         | 400 |  |
| 61484PCU | 19              | 1          | 11  | 12     | 315 | 10.15  | 257.80 | 17.73         | 450 |  |



## Description

**faser ISO FIBER-COND GREY STRIPED PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for mechanical applications, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 10", available in 38 ft. lengths.

| Part #   | ft. per package | No. sticks | SDR | OD     |     | ID     |        | Insulation OD |     |  |
|----------|-----------------|------------|-----|--------|-----|--------|--------|---------------|-----|--|
|          |                 |            |     | inches | mm  | inches | mm     | inches        | mm  |  |
| 61462PLU | 38              | 1          | 11  | 1      | 32  | 1.03   | 26.20  | 3.55          | 90  |  |
| 61464PLU | 38              | 1          | 11  | 1 ¼    | 40  | 1.28   | 32.60  | 4.33          | 110 |  |
| 61466PLU | 38              | 1          | 11  | 1 ½    | 50  | 1.61   | 40.80  | 4.33          | 110 |  |
| 61468PLU | 38              | 1          | 11  | 2      | 63  | 2.02   | 51.40  | 4.93          | 125 |  |
| 61470PLU | 38              | 1          | 11  | 2 ½    | 75  | 2.42   | 61.40  | 5.52          | 140 |  |
| 61472PLU | 38              | 1          | 11  | 3      | 90  | 2.90   | 73.60  | 6.3           | 160 |  |
| 61474PLU | 38              | 1          | 11  | 3 ½    | 110 | 3.54   | 90.00  | 7.88          | 200 |  |
| 61476PLU | 38              | 1          | 11  | 4      | 125 | 4.02   | 102.20 | 8.87          | 225 |  |
| 61478PLU | 38              | 1          | 11  | 6      | 160 | 5.15   | 130.80 | 9.85          | 250 |  |
| 61480PLU | 38              | 1          | 11  | 8      | 200 | 6.44   | 163.60 | 12.41         | 315 |  |
| 61482PLU | 38              | 1          | 11  | 10     | 250 | 8.06   | 204.60 | 15.76         | 400 |  |

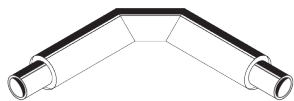


## Description

**90° faser ISO FIBER-COND GREY STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 4"

| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 63112PCCU | 1 | 1 | 11  | 1               | 32  | 3.55                  | 90  |  |
| 63114PCCU | 1 | 1 | 11  | 1 ¼             | 40  | 4.33                  | 110 |  |
| 63116PCCU | 1 | 1 | 11  | 1 ½             | 50  | 4.33                  | 110 |  |
| 63118PCCU | 1 | 1 | 11  | 2               | 63  | 4.93                  | 125 |  |
| 63120PCCU | 1 | 1 | 11  | 2 ½             | 75  | 5.52                  | 140 |  |
| 63122PCCU | 1 | 1 | 11  | 3               | 90  | 6.30                  | 160 |  |
| 63124PCCU | 1 | 1 | 11  | 3 ½             | 110 | 7.88                  | 200 |  |
| 63126PCCU | 1 | 1 | 11  | 4               | 125 | 8.87                  | 225 |  |

## Description



**90° faser ISO FIBER-COND GREY STRIPED ELBOW LONG**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

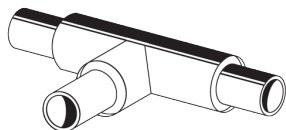
| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|
|           |   |   |     | inches          | mm  | inches                | mm  |
| 63112PLCU | 1 | 1 | 11  | 1               | 32  | 3.55                  | 90  |
| 63114PLCU | 1 | 1 | 11  | 1 ¼             | 40  | 4.33                  | 110 |
| 63116PLCU | 1 | 1 | 11  | 1 ½             | 50  | 4.33                  | 110 |
| 63118PLCU | 1 | 1 | 11  | 2               | 63  | 4.93                  | 125 |
| 63120PLCU | 1 | 1 | 11  | 2 ½             | 75  | 5.52                  | 140 |
| 63122PLCU | 1 | 1 | 11  | 3               | 90  | 6.30                  | 160 |
| 63124PLCU | 1 | 1 | 11  | 3 ½             | 110 | 7.88                  | 200 |
| 63126PLCU | 1 | 1 | 11  | 4               | 125 | 8.87                  | 225 |
| 63128PLCU | 1 | 1 | 11  | 6               | 160 | 9.85                  | 250 |
| 63130PLCU | 1 | 1 | 11  | 8               | 200 | 12.41                 | 315 |
| 63132PLCU | 1 | 1 | 11  | 10              | 250 | 15.76                 | 400 |
| 63134PLCU | 1 | 1 | 11  | 12              | 315 | 17.73                 | 450 |

## Description



**45° faser ISO FIBER-COND GREY STRIPED ELBOW**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

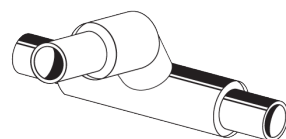
| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|
|           |   |   |     | inches          | mm  | inches                | mm  |
| 63512PCCU | 1 | 1 | 11  | 1               | 32  | 3.55                  | 90  |
| 63514PCCU | 1 | 1 | 11  | 1 ¼             | 40  | 4.33                  | 110 |
| 63516PCCU | 1 | 1 | 11  | 1 ½             | 50  | 4.33                  | 110 |
| 63518PCCU | 1 | 1 | 11  | 2               | 63  | 4.93                  | 125 |
| 63520PCCU | 1 | 1 | 11  | 2 ½             | 75  | 5.52                  | 140 |
| 63522PCCU | 1 | 1 | 11  | 3               | 90  | 6.30                  | 160 |
| 63524PCCU | 1 | 1 | 11  | 3 ½             | 110 | 7.88                  | 200 |
| 63526PCCU | 1 | 1 | 11  | 4               | 125 | 8.87                  | 225 |
| 63528PCCU | 1 | 1 | 11  | 6               | 160 | 9.85                  | 250 |
| 63530PCCU | 1 | 1 | 11  | 8               | 200 | 12.41                 | 315 |
| 63532PCCU | 1 | 1 | 11  | 10              | 250 | 15.76                 | 400 |
| 63534PCCU | 1 | 1 | 11  | 12              | 315 | 17.73                 | 450 |



## Description

**faser ISO FIBER-COND GREY STRIPED TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

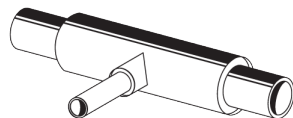
| Part #    |  |  | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------|-----|-----------------------|-----|--|
|           |                                                                                   |                                                                                   |     | inches          | mm  | inches                | mm  |  |
| 64112PCCU | 1                                                                                 | 1                                                                                 | 11  | 1               | 32  | 3.55                  | 90  |  |
| 64114PCCU | 1                                                                                 | 1                                                                                 | 11  | 1 ¼             | 40  | 4.33                  | 110 |  |
| 64116PCCU | 1                                                                                 | 1                                                                                 | 11  | 1 ½             | 50  | 4.33                  | 110 |  |
| 64118PCCU | 1                                                                                 | 1                                                                                 | 11  | 2               | 63  | 4.93                  | 125 |  |
| 64120PCCU | 1                                                                                 | 1                                                                                 | 11  | 2 ½             | 75  | 5.52                  | 140 |  |
| 64122PCCU | 1                                                                                 | 1                                                                                 | 11  | 3               | 90  | 6.30                  | 160 |  |
| 64124PCCU | 1                                                                                 | 1                                                                                 | 11  | 3 ½             | 110 | 7.88                  | 200 |  |
| 64126PCCU | 1                                                                                 | 1                                                                                 | 11  | 4               | 125 | 8.87                  | 225 |  |
| 64128PCCU | 1                                                                                 | 1                                                                                 | 11  | 6               | 160 | 9.85                  | 250 |  |
| 64130PCCU | 1                                                                                 | 1                                                                                 | 11  | 8               | 200 | 12.41                 | 315 |  |
| 64132PCCU | 1                                                                                 | 1                                                                                 | 11  | 10              | 250 | 15.76                 | 400 |  |
| 64134PCCU | 1                                                                                 | 1                                                                                 | 11  | 12              | 315 | 17.73                 | 450 |  |



## Description

**faser ISO FIBER-COND GREY STRIPED OVER-RUN TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

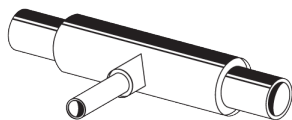
| Part #    |  |  | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|-----------------|-----|-----------------------|-----|--|
|           |                                                                                     |                                                                                     |     | inches          | mm  | inches                | mm  |  |
| 64112PSCU | 1                                                                                   | 1                                                                                   | 11  | 1               | 32  | 3.55                  | 90  |  |
| 64114PSCU | 1                                                                                   | 1                                                                                   | 11  | 1 ¼             | 40  | 4.33                  | 110 |  |
| 64116PSCU | 1                                                                                   | 1                                                                                   | 11  | 1 ½             | 50  | 4.33                  | 110 |  |
| 64118PSCU | 1                                                                                   | 1                                                                                   | 11  | 2               | 63  | 4.93                  | 125 |  |
| 64120PSCU | 1                                                                                   | 1                                                                                   | 11  | 2 ½             | 75  | 5.52                  | 140 |  |
| 64122PSCU | 1                                                                                   | 1                                                                                   | 11  | 3               | 90  | 6.30                  | 160 |  |
| 64124PSCU | 1                                                                                   | 1                                                                                   | 11  | 3 ½             | 110 | 7.88                  | 200 |  |
| 64126PSCU | 1                                                                                   | 1                                                                                   | 11  | 4               | 125 | 8.87                  | 225 |  |
| 64128PSCU | 1                                                                                   | 1                                                                                   | 11  | 6               | 160 | 9.85                  | 250 |  |
| 64130PSCU | 1                                                                                   | 1                                                                                   | 11  | 8               | 200 | 12.41                 | 315 |  |
| 64132PSCU | 1                                                                                   | 1                                                                                   | 11  | 10              | 250 | 15.76                 | 400 |  |
| 64134PSCU | 1                                                                                   | 1                                                                                   | 11  | 12              | 315 | 17.73                 | 450 |  |



## Description

faser ISO FIBER-COND GREY STRIPED REDUCED TEE, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

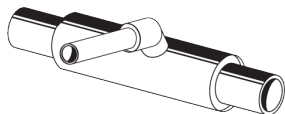
| Part #      |   |   | SDR | pipe dimensions |             | insulation dimensions |             |
|-------------|---|---|-----|-----------------|-------------|-----------------------|-------------|
|             |   |   |     | inches          | mm          | inches                | mm          |
| 642460PCCU  | 1 | 1 | 11  | 1 ¼-1 ¼-1       | 40-40-32    | 4.33-4.33-3.55        | 110-110-90  |
| 642500PCCU  | 1 | 1 | 11  | 1 ½-1 ½-1       | 50-50-32    | 4.33-4.33-3.55        | 110-110-90  |
| 642510PCCU  | 1 | 1 | 11  | 1 ½-1 ½-1 ¼     | 50-50-40    | 4.33-4.33-4.33        | 110-110-110 |
| 642560PCCU  | 1 | 1 | 11  | 2-2-1           | 63-63-32    | 4.93-4.93-3.55        | 125-125-90  |
| 642580PCCU  | 1 | 1 | 11  | 2-2-1 ¼         | 63-63-40    | 4.93-4.93-4.33        | 125-125-110 |
| 642600PCCU  | 1 | 1 | 11  | 2-2-1 ½         | 63-63-50    | 4.93-4.93-4.33        | 125-125-110 |
| 642640PCCU  | 1 | 1 | 11  | 2 ½-2 ½-1       | 75-75-32    | 5.52-5.52-3.55        | 140-140-90  |
| 642660PCCU  | 1 | 1 | 11  | 2 ½-2 ½-1 ¼     | 75-75-40    | 5.52-5.52-4.33        | 140-140-110 |
| 642680PCCU  | 1 | 1 | 11  | 2 ½-2 ½-1 ½     | 75-75-50    | 5.52-5.52-4.33        | 140-140-110 |
| 642700PCCU  | 1 | 1 | 11  | 2 ½-2 ½-2       | 75-75-63    | 5.52-5.52-4.93        | 140-140-125 |
| 642796PCCU  | 1 | 1 | 11  | 3-3-1           | 90-90-32    | 6.30-6.30-3.55        | 160-160-90  |
| 642798PCCU  | 1 | 1 | 11  | 3-3-1 ¼         | 90-90-40    | 6.30-6.30-4.33        | 160-160-110 |
| 642800PCCU  | 1 | 1 | 11  | 3-3-1 ½         | 90-90-50    | 6.30-6.30-4.33        | 160-160-110 |
| 642820PCCU  | 1 | 1 | 11  | 3-3-2           | 90-90-63    | 6.30-6.30-4.93        | 160-160-125 |
| 642840PCCU  | 1 | 1 | 11  | 3-3-2 ½         | 90-90-75    | 6.30-6.30-5.52        | 160-160-140 |
| 642854PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-1       | 110-110-32  | 7.88-7.88-3.55        | 200-200-90  |
| 642856PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-1 ¼     | 110-110-40  | 7.88-7.88-4.33        | 200-200-110 |
| 642858PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-1 ½     | 110-110-50  | 7.88-7.88-4.33        | 200-200-110 |
| 642860PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-2       | 110-110-63  | 7.88-7.88-4.93        | 200-200-125 |
| 642880PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-2 ½     | 110-110-75  | 7.88-7.88-5.52        | 200-200-140 |
| 642900PCCU  | 1 | 1 | 11  | 3 ¾-3 ¾-3       | 110-110-90  | 7.88-7.88-6.30        | 200-200-160 |
| 642934PCCU  | 1 | 1 | 11  | 4-4-1 ½         | 125-125-50  | 8.87-8.87-4.33        | 225-225-110 |
| 642936PCCU  | 1 | 1 | 11  | 4-4-2           | 125-125-63  | 8.87-8.87-4.93        | 225-225-125 |
| 642938PCCU  | 1 | 1 | 11  | 4-4-2 ½         | 125-125-75  | 8.87-8.87-5.52        | 225-225-140 |
| 642940PCCU  | 1 | 1 | 11  | 4-4-3           | 125-125-90  | 8.87-8.87-6.30        | 225-225-160 |
| 642960PCCU  | 1 | 1 | 11  | 4-4-3 ½         | 125-125-110 | 8.87-8.87-7.88        | 225-225-200 |
| 642976PCCU  | 1 | 1 | 11  | 6-6-2           | 160-160-63  | 9.85-9.85-4.93        | 250-250-125 |
| 642978PCCU  | 1 | 1 | 11  | 6-6-2 ½         | 160-160-75  | 9.85-9.85-5.52        | 250-250-140 |
| 642980PCCU  | 1 | 1 | 11  | 6-6-3           | 160-160-90  | 9.85-9.85-6.30        | 250-250-160 |
| 642990PCCU  | 1 | 1 | 11  | 6-6-3 ½         | 160-160-110 | 9.85-9.85-7.88        | 250-250-200 |
| 643000PCCU  | 1 | 1 | 11  | 6-6-4           | 160-160-125 | 9.85-9.85-8.87        | 250-250-225 |
| 643010PCC U | 1 | 1 | 11  | 8-8-2           | 200-200-63  | 12.41-12.41-4.93      | 315-315-125 |
| 643012PCCU  | 1 | 1 | 11  | 8-8-2 ½         | 200-200-75  | 12.41-12.41-5.52      | 315-315-140 |
| 643014PCCU  | 1 | 1 | 11  | 8-8-3           | 200-200-90  | 12.41-12.41-6.30      | 315-315-160 |
| 643016PCCU  | 1 | 1 | 11  | 8-8-3 ½         | 200-200-110 | 12.41-12.41-7.88      | 315-315-200 |
| 643018PCCU  | 1 | 1 | 11  | 8-8-4           | 200-200-125 | 12.41-12.41-8.87      | 315-315-225 |
| 643020PCCU  | 1 | 1 | 11  | 8-8-6           | 200-200-160 | 12.41-12.41-9.85      | 315-315-250 |
| 643044PCCU  | 1 | 1 | 11  | 10-10-1         | 250-250-32  | 15.76-15.76-3.55      | 400-400-90  |
| 643046PCCU  | 1 | 1 | 11  | 10-10-1 ¼       | 250-250-40  | 15.76-15.76-4.33      | 400-400-110 |
| 643048PCCU  | 1 | 1 | 11  | 10-10-1 ½       | 250-250-50  | 15.76-15.76-4.33      | 400-400-110 |



## Description

**faser ISO FIBER-COND GREY STRIPED REDUCED TEE (CONT'D)**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

| Part #      |   |   | SDR | pipe dimensions |             | insulation dimensions |             |
|-------------|---|---|-----|-----------------|-------------|-----------------------|-------------|
|             |   |   |     | inches          | mm          | inches                | mm          |
| 643050PCCU  | 1 | 1 | 11  | 10-10-2         | 250-250-63  | 15.76-15.76-4.93      | 400-400-125 |
| 643052PCCU  | 1 | 1 | 11  | 10-10-2 ½       | 250-250-75  | 15.76-15.76-5.52      | 400-400-140 |
| 643054PCC U | 1 | 1 | 11  | 10-10-3         | 250-250-90  | 15.76-15.76-6.30      | 400-400-160 |
| 643056PCC U | 1 | 1 | 11  | 10-10-3 ½       | 250-250-110 | 15.76-15.76-7.88      | 400-400-200 |
| 643058PCC U | 1 | 1 | 11  | 10-10-4         | 250-250-125 | 15.76-15.76-8.87      | 400-400-225 |
| 643060PCC U | 1 | 1 | 11  | 10-10-6         | 250-250-160 | 15.76-15.76-9.85      | 400-400-250 |
| 643070PCCU  | 1 | 1 | 11  | 10-10-8         | 250-250-200 | 15.76-15.76-12.41     | 400-400-315 |
| 643094PCCU  | 1 | 1 | 11  | 12-12-8         | 315-315-200 | 17.73-17.73-12.41     | 450-450-315 |
| 643096PCCU  | 1 | 1 | 11  | 12-12-10        | 315-315-250 | 17.73-17.73-15.76     | 450-450-400 |



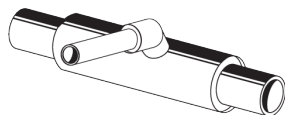
## Description

**faser ISO FIBER-COND GREY STRIPED REDUCED OVER-RUN TEE**, PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"

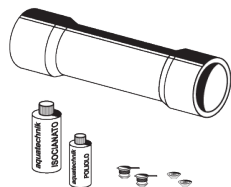
| Part #     |   |   | SDR | pipe dimensions |            | insulation dimensions |             |
|------------|---|---|-----|-----------------|------------|-----------------------|-------------|
|            |   |   |     | inches          | mm         | inches                | mm          |
| 642460PSCU | 1 | 1 | 11  | 1 ¼-1 ¼-1       | 40-40-32   | 4.33-4.33-3.54        | 110-110-90  |
| 642500PSCU | 1 | 1 | 11  | 1 ½-1 ½-1       | 50-50-32   | 4.33-4.33-3.54        | 110-110-90  |
| 642510PSCU | 1 | 1 | 11  | 1 ½-1 ½-1 ¼     | 50-50-40   | 4.33-4.33-4.33        | 110-110-110 |
| 642560PSCU | 1 | 1 | 11  | 2-2-1           | 63-63-32   | 4.92-4.92-3.54        | 125-125-90  |
| 642580PSCU | 1 | 1 | 11  | 2-2-1 ¼         | 63-63-40   | 4.92-4.92-4.33        | 125-125-110 |
| 642600PSCU | 1 | 1 | 11  | 2-2-1 1 ¼       | 63-63-50   | 4.92-4.92-4.33        | 125-125-110 |
| 642640PSCU | 1 | 1 | 11  | 2 ½-2 ½-1       | 75-75-32   | 5.51-5.51-3.54        | 140-140-90  |
| 642660PSCU | 1 | 1 | 11  | 2 ½-2 ½-1 ¼     | 75-75-40   | 5.51-5.51-4.33        | 140-140-110 |
| 642680PSCU | 1 | 1 | 11  | 2 ½-2 ½-1 ½     | 75-75-50   | 5.51-5.51-4.33        | 140-140-110 |
| 642700PSCU | 1 | 1 | 11  | 2 ½-2 ½-2       | 75-75-63   | 5.51-5.51-4.92        | 140-140-125 |
| 642796PSCU | 1 | 1 | 11  | 3-3-1           | 90-90-32   | 6.30-6.30-3.54        | 160-160-90  |
| 642798PSCU | 1 | 1 | 11  | 3-3-1 ¼         | 90-90-40   | 6.30-6.30-4.33        | 160-160-110 |
| 642800PSCU | 1 | 1 | 11  | 3-3-1 ½         | 90-90-50   | 6.30-6.30-4.33        | 160-160-110 |
| 642820PSCU | 1 | 1 | 11  | 3-3-2           | 90-90-63   | 6.30-6.30-4.92        | 160-160-125 |
| 642840PSCU | 1 | 1 | 11  | 3-3-2 ½         | 90-90-75   | 6.30-6.30-5.51        | 160-160-140 |
| 642854PSCU | 1 | 1 | 11  | 3 ½-3 ½-1       | 110-110-32 | 7.87-7.87-3.54        | 200-200-90  |
| 642856PSCU | 1 | 1 | 11  | 3 ½-3 ½-1 ¼     | 110-110-40 | 7.87-7.87-4.33        | 200-200-110 |
| 642858PSCU | 1 | 1 | 11  | 3 ½-3 ½-1 ½     | 110-110-50 | 7.87-7.87-4.33        | 200-200-110 |
| 642860PSCU | 1 | 1 | 11  | 3 ½-3 ½-2       | 110-110-63 | 7.87-7.87-4.92        | 200-200-125 |
| 642880PSCU | 1 | 1 | 11  | 3 ½-3 ½-2 ½     | 110-110-75 | 7.87-7.87-5.51        | 200-200-140 |
| 642900PSCU | 1 | 1 | 11  | 3 ½-3 ½-3       | 110-110-90 | 7.87-7.87-6.30        | 200-200-160 |
| 642934PSCU | 1 | 1 | 11  | 4-4-1 ½         | 125-125-50 | 8.86-8.86-4.33        | 225-225-110 |

## Description

faser ISO FIBER-COND GREY STRIPED REDUCED OVER-RUN TEE (CONT'D), PP-RCT 125/PP-R F/PP-R Super 80, multilayer pipe with special fibers, white color with grey stripes, for potable hot and cold water, Insulation: pre-insulated with PUR foam, protected by a black colored PEHD coating from Ø 1" up to 12"



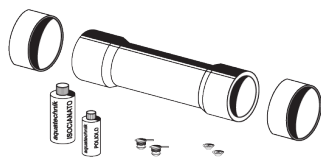
| Part #     |   |   | SDR | pipe dimensions |             | insulation dimensions |             |  |
|------------|---|---|-----|-----------------|-------------|-----------------------|-------------|--|
|            |   |   |     | inches          | mm          | inches                | mm          |  |
| 642936PSCU | 1 | 1 | 11  | 4-4-2           | 125-125-63  | 8.86-8.86-4.92        | 225-225-125 |  |
| 642938PSCU | 1 | 1 | 11  | 4-4-2 ½         | 125-125-75  | 8.86-8.86-5.51        | 225-225-140 |  |
| 642940PSCU | 1 | 1 | 11  | 4-4-3           | 125-125-90  | 8.86-8.86-6.30        | 225-225-160 |  |
| 642960PSCU | 1 | 1 | 11  | 4-4-3 ½         | 125-125-110 | 8.86-8.86-7.87        | 225-225-200 |  |
| 642976PSCU | 1 | 1 | 11  | 6-6-2           | 160-160-63  | 9.84-9.84-4.92        | 250-250-125 |  |
| 642978PSCU | 1 | 1 | 11  | 6-6-2 ½         | 160-160-75  | 9.84-9.84-5.51        | 250-250-140 |  |
| 642980PSCU | 1 | 1 | 11  | 6-6-3           | 160-160-90  | 9.84-9.84-6.30        | 250-250-160 |  |
| 642990PSCU | 1 | 1 | 11  | 6-6-3 ½         | 160-160-110 | 9.84-9.84-7.87        | 250-250-200 |  |
| 643000PSCU | 1 | 1 | 11  | 6-6-4           | 160-160-125 | 9.84-9.84-8.86        | 250-250-225 |  |
| 643010PSCU | 1 | 1 | 11  | 8-8-2           | 200-200-63  | 12.40-12.40-4.92      | 315-315-125 |  |
| 643012PSCU | 1 | 1 | 11  | 8-8-2 ½         | 200-200-75  | 12.40-12.40-5.51      | 315-315-140 |  |
| 643014PSCU | 1 | 1 | 11  | 8-8-3           | 200-200-90  | 12.40-12.40-6.30      | 315-315-160 |  |
| 643016PSCU | 1 | 1 | 11  | 8-8-3 ½         | 200-200-110 | 12.40-12.40-7.87      | 315-315-200 |  |
| 643018PSCU | 1 | 1 | 11  | 8-8-4           | 200-200-125 | 12.40-12.40-8.86      | 315-315-225 |  |
| 643020PSCU | 1 | 1 | 11  | 8-8-6           | 200-200-160 | 12.40-12.40-9.84      | 315-315-250 |  |
| 643044PSCU | 1 | 1 | 11  | 10-10-1         | 250-250-32  | 15.75-15.75-3.54      | 400-400-90  |  |
| 643046PSCU | 1 | 1 | 11  | 10-10-1 ½       | 250-250-40  | 15.75-15.75-4.33      | 400-400-110 |  |
| 643048PSCU | 1 | 1 | 11  | 10-10-1 ½       | 250-250-50  | 15.75-15.75-4.33      | 400-400-110 |  |
| 643050PSCU | 1 | 1 | 11  | 10-10-2         | 250-250-63  | 15.75-15.75-4.92      | 400-400-125 |  |
| 643052PSCU | 1 | 1 | 11  | 10-10-2 ½       | 250-250-75  | 15.75-15.75-5.51      | 400-400-140 |  |
| 643054PSCU | 1 | 1 | 11  | 10-10-3         | 250-250-90  | 15.75-15.75-6.30      | 400-400-160 |  |
| 643056PSCU | 1 | 1 | 11  | 10-10-3 ½       | 250-250-110 | 15.75-15.75-7.87      | 400-400-200 |  |
| 643058PSCU | 1 | 1 | 11  | 10-10-4         | 250-250-125 | 15.75-15.75-8.86      | 400-400-225 |  |
| 643060PSCU | 1 | 1 | 11  | 10-10-6         | 250-250-160 | 15.75-15.75-9.84      | 400-400-250 |  |
| 643070PSCU | 1 | 1 | 11  | 10-10-8         | 250-250-200 | 15.75-15.75-12.40     | 400-400-315 |  |
| 643094PSCU | 1 | 1 | 11  | 12-12-8         | 315-315-200 | 17.72-17.72-12.40     | 450-450-315 |  |
| 643096PSCU | 1 | 1 | 11  | 12-12-10        | 315-315-250 | 17.72-17.72-15.75     | 450-450-400 |  |



## Description

**SINGLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 1 bi-component dosage (polyol-isocyanate); 2 end caps and 2 curing caps; coupling sleeve (SDR 5) up to Ø 4" (125 mm) included, (butt-welding from Ø 6" (160 mm) up)

| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 62012PCZU | 1 | 1 | 5   | 1               | 32  | 3.54                  | 90  |  |
| 62014PCZU | 1 | 1 | 5   | 1 ¼             | 40  | 4.33                  | 110 |  |
| 62016PCZU | 1 | 1 | 5   | 1 ½             | 50  | 4.33                  | 110 |  |
| 62018PCZU | 1 | 1 | 5   | 2               | 63  | 4.92                  | 125 |  |
| 62020PCZU | 1 | 1 | 5   | 2 ½             | 75  | 5.51                  | 140 |  |
| 62022PCZU | 1 | 1 | 5   | 3               | 90  | 6.30                  | 160 |  |
| 62024PCZU | 1 | 1 | 5   | 3 ½             | 110 | 7.87                  | 200 |  |
| 62026PCZU | 1 | 1 | 5   | 4               | 125 | 8.86                  | 225 |  |
| 62028PCZ  | 1 | 1 | 5   | 6               | 160 | 9.84                  | 250 |  |
| 62030PCZ  | 1 | 1 | 5   | 8               | 200 | 12.40                 | 315 |  |
| 62032PCZ  | 1 | 1 | 5   | 10              | 250 | 15.75                 | 400 |  |
| 62034PCZ  | 1 | 1 | 5   | 12              | 315 | 17.72                 | 450 |  |

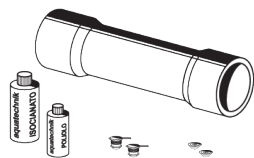


## Description

**DOUBLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 2 shrinking bands; 1 bi-component dosage (polyol-isocyanate); 2 drilled plugs for seasoning; 2 end caps and 2 curing caps; coupling sleeve (SDR 5) up to Ø 4" (125 mm) included (butt-welding from Ø 6" (160 mm) up)

| Part #    |   |   | SDR | pipe dimensions |     | insulation dimensions |     |  |
|-----------|---|---|-----|-----------------|-----|-----------------------|-----|--|
|           |   |   |     | inches          | mm  | inches                | mm  |  |
| 62012PCXU | 1 | 1 | 5   | 1               | 32  | 3.54                  | 90  |  |
| 62014PCXU | 1 | 1 | 5   | 1 ¼             | 40  | 4.33                  | 110 |  |
| 62016PCXU | 1 | 1 | 5   | 1 ½             | 50  | 4.33                  | 110 |  |
| 62018PCXU | 1 | 1 | 5   | 2               | 63  | 4.92                  | 125 |  |
| 62020PCXU | 1 | 1 | 5   | 2 ½             | 75  | 5.51                  | 140 |  |
| 62022PCXU | 1 | 1 | 5   | 3               | 90  | 6.30                  | 160 |  |
| 62024PCXU | 1 | 1 | 5   | 3 ½             | 110 | 7.87                  | 200 |  |
| 62026PCXU | 1 | 1 | 5   | 4               | 125 | 8.86                  | 225 |  |
| 62028PCX  | 1 | 1 | 5   | 6               | 160 | 9.84                  | 250 |  |
| 62030PCX  | 1 | 1 | 5   | 8               | 200 | 12.40                 | 315 |  |
| 62032PCX  | 1 | 1 | 5   | 10              | 250 | 15.75                 | 400 |  |
| 62034PCX  | 1 | 1 | 5   | 12              | 315 | 17.72                 | 450 |  |

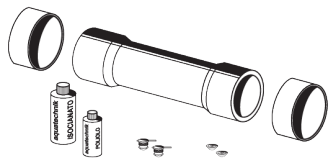
## Description



**SINGLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 1 bi-component dosage (polyol-isocyanate); 2 drilled plugs for seasoning; 2 end caps and 2 curing caps; coupling sleeve and reduction (SDR 5) up to Ø 4" (125 mm) included, reduction (SDR 11) from Ø 6" (160 mm) up.

| Part #    |   |   | SDR | pipe dimensions |           | insulation dimensions |           |  |
|-----------|---|---|-----|-----------------|-----------|-----------------------|-----------|--|
|           |   |   |     | inches          | mm        | inches                | mm        |  |
| 62122PCZU | 1 | 1 | 5   | 1 ¼-1           | 40 - 32   | 4.33-3.54             | 110 - 90  |  |
| 62128PCZU | 1 | 1 | 5   | 1 ½-1           | 50 - 32   | 4.33-3.54             | 110 - 90  |  |
| 62130PCZU | 1 | 1 | 5   | 1 ½-1 ¼         | 50 - 40   | 4.33-4.33             | 110 - 110 |  |
| 62134PCZU | 1 | 1 | 5   | 2-1             | 63 - 32   | 4.92-3.54             | 125 - 90  |  |
| 62136PCZU | 1 | 1 | 5   | 2-1 ¼           | 63 - 40   | 4.92-4.33             | 125 - 110 |  |
| 62138PCZU | 1 | 1 | 5   | 2-1 ½           | 63 - 50   | 4.92-4.33             | 125 - 110 |  |
| 62139PCZU | 1 | 1 | 5   | 2 ½-1 ¼         | 75 - 40   | 5.51-4.33             | 140 - 110 |  |
| 62140PCZU | 1 | 1 | 5   | 2 ½-1 ½         | 75 - 50   | 5.51-4.33             | 140 - 110 |  |
| 62142PCZU | 1 | 1 | 5   | 2 ½-2           | 75 - 63   | 5.51-4.92             | 140 - 125 |  |
| 62152PCZU | 1 | 1 | 5   | 3-2             | 90 - 63   | 5.51-4.92             | 160 - 125 |  |
| 62153PCZU | 1 | 1 | 5   | 3 - 2 ½         | 90 - 75   | 6.30-5.51             | 160 - 140 |  |
| 62157PCZU | 1 | 1 | 5   | 3 ½-2 ½         | 110 - 75  | 7.87-5.51             | 200 - 140 |  |
| 62159PCZU | 1 | 1 | 5   | 3 ½-3           | 110 - 90  | 7.87-6.30             | 200 - 160 |  |
| 62170PCZU | 1 | 1 | 5   | 4-3             | 125 - 90  | 8.86-6.30             | 225 - 160 |  |
| 62172PCZU | 1 | 1 | 5   | 4-3 ½           | 125 - 110 | 8.86-7.87             | 225 - 200 |  |
| 62174PCZ  | 1 | 1 | 5   | 6-3             | 160 - 110 | 9.84-7.87             | 250 - 200 |  |
| 62176PCZ  | 1 | 1 | 5   | 6-4             | 160 - 125 | 9.84-8.86             | 250 - 225 |  |
| 62182PCZ  | 1 | 1 | 5   | 8-6             | 200 - 160 | 12.40-9.84            | 315 - 250 |  |
| 62184PCZ  | 1 | 1 | 5   | 10-6            | 250 - 160 | 15.75-9.84            | 400 - 250 |  |
| 62186PCZ  | 1 | 1 | 5   | 10-8            | 250 - 200 | 15.75-12.40           | 400 - 315 |  |
| 62194PCZ  | 1 | 1 | 5   | 12-10           | 315 - 250 | 17.72-15.75           | 450 - 400 |  |

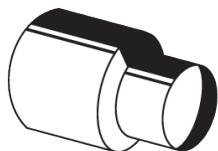
## Description



**DOUBLE-SEALING JOINT KIT**, on-site PUR foam kit consisting of: 1 perforated casing pipe (shrink wrap) with butyl sealing rings; 2 shrinkable bands; 1 bi-component dosage (polyol-isocyanate); 2 end caps and 2 curing caps; coupling sleeve and reduction (SDR 5) up to Ø 4" (125mm), reduction (SDR11) Ø 6" (160 mm) up.

| Part #    |   |   | SDR | pipe dimensions<br>inches    mm | insulation dimensions<br>inches    mm |                          |
|-----------|---|---|-----|---------------------------------|---------------------------------------|--------------------------|
| 62122PCXU | 1 | 1 | 5   | 1 ¼-1                           | 40 - 32                               | 4.33-3.54    110 - 90    |
| 62128PCXU | 1 | 1 | 5   | 1 ½-1                           | 50 - 32                               | 4.33-3.54    110 - 90    |
| 62130PCXU | 1 | 1 | 5   | 1 ½-1 ¼                         | 50 - 40                               | 4.33-4.33    110 - 110   |
| 62134PCXU | 1 | 1 | 5   | 2-1                             | 63 - 32                               | 4.92-3.54    125 - 90    |
| 62136PCXU | 1 | 1 | 5   | 2-1 ¼                           | 63 - 40                               | 4.92-4.33    125 - 110   |
| 62138PCXU | 1 | 1 | 5   | 2-1 ½                           | 63 - 50                               | 4.92-4.33    125 - 110   |
| 62139PCXU | 1 | 1 | 5   | 2 ½-1 ¼                         | 75 - 40                               | 5.51-4.33    140 - 110   |
| 62140PCXU | 1 | 1 | 5   | 2 ½-1 ½                         | 75 - 50                               | 5.51-4.33    140 - 110   |
| 62142PCXU | 1 | 1 | 5   | 2 ½-2                           | 75 - 63                               | 5.51-4.92    140 - 125   |
| 62152PCXU | 1 | 1 | 5   | 3-2                             | 90 - 63                               | 5.51-4.92    160 - 125   |
| 62153PCXU | 1 | 1 | 5   | 3 - 2 ½                         | 90 - 75                               | 6.30-5.51    160 - 140   |
| 62157PCXU | 1 | 1 | 5   | 3 ½-2 ½                         | 110 - 75                              | 7.87-5.51    200 - 140   |
| 62159PCXU | 1 | 1 | 5   | 3 ½-3                           | 110 - 90                              | 7.87-6.30    200 - 160   |
| 62170PCXU | 1 | 1 | 5   | 4-3                             | 125 - 90                              | 8.86-6.30    225 - 160   |
| 62172PCXU | 1 | 1 | 5   | 4-3 ½                           | 125 - 110                             | 8.86-7.87    225 - 200   |
| 62174PCX  | 1 | 1 | 5   | 6-3                             | 160 - 110                             | 9.84-7.87    250 - 200   |
| 62176PCX  | 1 | 1 | 5   | 6-4                             | 160 - 125                             | 9.84-8.86    250 - 225   |
| 62182PCX  | 1 | 1 | 5   | 8-6                             | 200 - 160                             | 12.40-9.84    315 - 250  |
| 62184PCX  | 1 | 1 | 5   | 10-6                            | 250 - 160                             | 15.75-9.84    400 - 250  |
| 62186PCX  | 1 | 1 | 5   | 10-8                            | 250 - 200                             | 15.75-12.40    400 - 315 |
| 62194PCX  | 1 | 1 | 5   | 12-10                           | 315 - 250                             | 17.72-15.75    450 - 400 |

## Description



**CLOSING COLLAR**, water-stop, heat-shrinking

| Part #  |   |   | SDR | pipe dimensions<br>inches    mm | insulation dimensions<br>inches    mm |              |
|---------|---|---|-----|---------------------------------|---------------------------------------|--------------|
| 69612PC | 1 | 1 | 5   | 1                               | 32                                    | 3.54    90   |
| 69614PC | 1 | 1 | 5   | 1 ¼                             | 40                                    | 4.33    110  |
| 69616PC | 1 | 1 | 5   | 1 ½                             | 50                                    | 4.33    110  |
| 69618PC | 1 | 1 | 5   | 2                               | 63                                    | 4.92    125  |
| 69620PC | 1 | 1 | 5   | 2 ½                             | 75                                    | 5.51    140  |
| 69622PC | 1 | 1 | 5   | 3                               | 90                                    | 6.30    160  |
| 69624PC | 1 | 1 | 5   | 3 ½                             | 110                                   | 7.87    200  |
| 69626PC | 1 | 1 | 5   | 4                               | 125                                   | 8.86    225  |
| 69628PC | 1 | 1 | 5   | 6                               | 160                                   | 9.84    250  |
| 69630PC | 1 | 1 | 5   | 8                               | 200                                   | 12.40    315 |
| 69632PC | 1 | 1 | 5   | 10                              | 250                                   | 15.75    400 |
| 69634PC | 1 | 1 | 5   | 12                              | 315                                   | 17.72    450 |

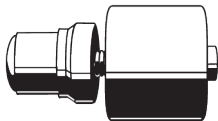
## Description



SEALING RING, for wall passage

| Part #  |   |   | pipe dimensions |     | insulation dimensions |     |
|---------|---|---|-----------------|-----|-----------------------|-----|
|         |   |   | inches          | mm  | inches                | mm  |
| 69662PC | 1 | 1 | 1               | 32  | 3.54                  | 90  |
| 69664PC | 1 | 1 | 1 ¼             | 40  | 4.33                  | 110 |
| 69666PC | 1 | 1 | 1 ½             | 50  | 4.33                  | 110 |
| 69668PC | 1 | 1 | 2               | 63  | 4.92                  | 125 |
| 69670PC | 1 | 1 | 2 ½             | 75  | 5.51                  | 140 |
| 69672PC | 1 | 1 | 3               | 90  | 6.30                  | 160 |
| 69674PC | 1 | 1 | 3 ½             | 110 | 7.87                  | 200 |
| 69676PC | 1 | 1 | 4               | 125 | 8.86                  | 225 |
| 69678PC | 1 | 1 | 6               | 160 | 9.84                  | 250 |
| 69680PC | 1 | 1 | 8               | 200 | 12.40                 | 315 |
| 69682PC | 1 | 1 | 10              | 250 | 15.75                 | 400 |
| 69684PC | 1 | 1 | 12              | 315 | 17.72                 | 450 |

## Description



TAPERED MATRIX, to weld the PE closing plug for repairing joint

| Part # |   |   | pipe dimensions |    |
|--------|---|---|-----------------|----|
|        |   |   | inches          | mm |
| 52120  | 1 | 1 | ¾               | 25 |

## Description



CLEANING LIQUID, for all cleaning operations

| Part # |   |   | weight |        |
|--------|---|---|--------|--------|
|        |   |   |        |        |
| 50330  | 1 | 1 |        | 1000 g |

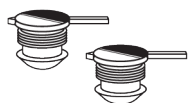
## Description



CURING CAPS, made with PE, with vent spare part for repairing joint

| Part # |    |  | pipe dimensions |    |
|--------|----|--|-----------------|----|
|        |    |  | inches          | mm |
| 52150  | 10 |  | ½               | 20 |

## Description



END CAPS, made with PE, to be welded spare part for repairing joint

| Part # |    |  | pipe dimensions |    |
|--------|----|--|-----------------|----|
|        |    |  | inches          | mm |
| 52152  | 10 |  | ½               | 20 |

# Fusion-Tech UV Black Piping

**Proprietary UV resistant PP-RCT 125 pipe and fittings**

## Range

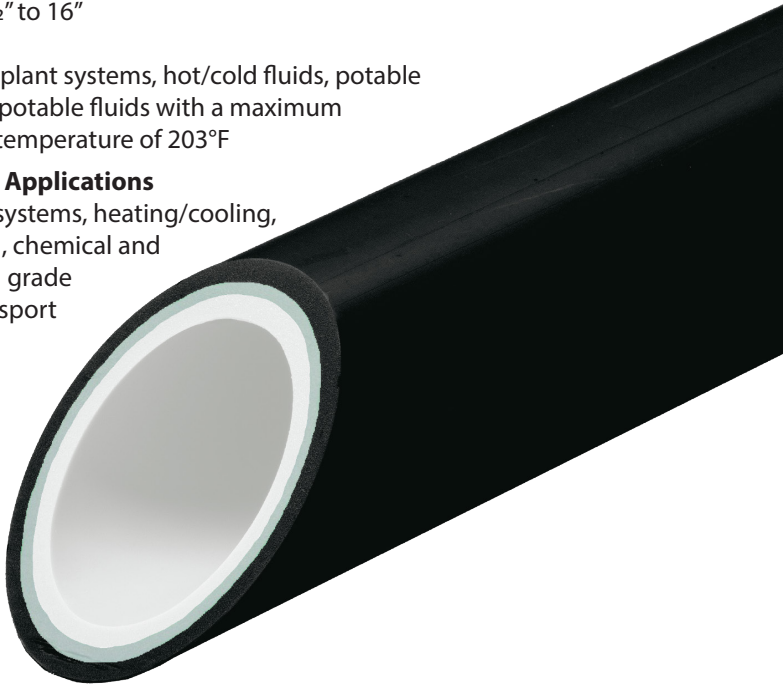
From Ø ½" to 16"

## Use

For most plant systems, hot/cold fluids, potable and non-potable fluids with a maximum working temperature of 203°F

## Outdoor Applications

Sanitary systems, heating/cooling, industrial, chemical and non-food grade fluid transport



## Advantages

- Leader in high flow rate and low pressure drop
- Resistant to lime, cement, plaster and electro-chemical reaction
- Completely compatible with warm and cold fluids
- Economical quick-and-easy installation

## Introducing aquatechnik Fusion-Tech Built-In UV Protection

A unique solution for pipe installation outside that requires no scraping to fuse pipe due to the UV protection embedded into the external layer of the pipe saving labor hours and ensuring ease of installation. The only approved industrial strength pipe of its kind, made with long-term durability to high temperature/pressure applications (PP-RCT 125) that enable long-term UV protection. Resistance to UV degradation is increased with the addition of a proprietary UV stabilizer additive.

Fusion-Tech UV piping was tested during an accelerated aging process lasting 10,000 hours. Special Weatherometer equipment testing instruments monitored the effects of light, oxidation and moisture on the pipes throughout the test.

At the end of the aging process, with an overall UV radiation of around 800 KLy, the material didn't show any significant change in physical or chemical characteristics.

The UV resistance has been increased more than 20 times with reference to the polypropylene without this additive.

Fusion-Tech UV Black piping facilitates:

- Safe outdoor installations
- Fusion welding without any special treatment or scraping of pipe and fittings
- Fusion welding directly to all aquatechnik Fusion-Tech pipe for transitions to indoor applications

## The New Standard for PP-R UV Protection

The aquatechnik engineering team has created an innovative solution to a longstanding polymer piping challenge -- **with a proven, durable UV protection for outdoor aquatechnik piping installations.**

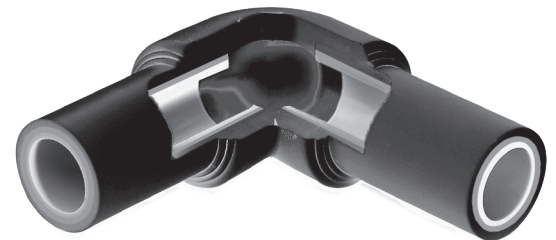
An aquatechnik **Fusion-Tech UV** pipe and fittings system is an easy-to-install, safe and long-term outdoor piping solution offering these distinct advantages.

**Fusion-Tech UV** features a proprietary UV stabilizer additive built right into the outer layer of aquatechnik PP-R pipe and fittings (Patent Pending).

**Fusion-Tech UV** saves professional installers substantial time, cost and risk associated with other UV protection processes involving painting pipe, or cutting and scraping a polyethylene jacket on the pipe.

**Fusion-Tech UV** eliminates the need to scrape and paint during heat fusion pipe installation, or repair torn jacketing.

**Fusion-Tech UV** has undergone comprehensive field testing, and is compatible with all other aquatechnik pipe and fittings.



**1+1=1**

Ask your regional **AUTHORIZED REGIONAL AQUATECHNIK DISTRIBUTOR** or **REP** for more information. Or, visit Professional Resources at [www.aquatechnikNA.com](http://www.aquatechnikNA.com).

# Fusion-Tech Applicable Certifications, Standards and Regulations

| Fusion-Tech faser Fiber-T Red Striped pipe |                      | Fusion-Tech faser Fiber-COND Grey Striped Pipe |                      |
|--------------------------------------------|----------------------|------------------------------------------------|----------------------|
| Listings and Approvals:                    | Reference Standards: | Listings and Approvals:                        | Reference Standards: |
| NSF/ANSI 61                                | ASTM F2389-17        | NSF/ANSI 14                                    | ASTM F2389-17        |
| NSF/ANSI 14                                | ASTM F2023           | NSF/ANSI 372                                   | ASTM F2023           |
| NSF/ANSI 51                                | ASTM D2837           | IPC 2009 sec. 605IMC2009 ch. 12                | ASTM D2837           |
| NSF/ANSI-pw                                | DIN 8078             | IRC 2009 ch. 21 & 26                           | DIN 8078             |
| NSF/ANSI 372                               | DIN 8077             | UMC 2012 ch. 6                                 | DIN 8077             |
| IPC 2009 sec. 605IMC2009 ch. 12            | CSA B137.11          |                                                | CSA B137.11          |
| IRC 2009 ch. 21 & 26                       | CSA B214             |                                                | CSA B214             |
| UMC 2012 ch. 6                             | ISO 9080             |                                                | ISO 9080             |
|                                            | ISO 15874            |                                                | ISO 15874            |
|                                            | ISO 9001             |                                                | ISO 9001             |

Fusion-Tech® UV

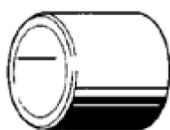




## Description

**FUSION-TECH faser FIBER-COND UV BLACK PIPE**, PP-RCT 125/PP-R F/PP-R Super 80, multi-layer pipe with special fibers, white color with grey stripes, not potable hot and cold water, stick length 19 ft

| Part #   | ft. per package | No. sticks | SDR  | OD     |     | thick. |      | ID     |       |  |
|----------|-----------------|------------|------|--------|-----|--------|------|--------|-------|--|
|          |                 |            |      | inches | mm  | inches | mm   | inches | mm    |  |
| 61458SR  | 475             | 25         | 7.4  | ½      | 20  | 0.11   | 2.8  | 0.57   | 14.4  |  |
| 61460SR  | 380             | 20         | 7.4  | ¾      | 25  | 0.14   | 3.5  | 0.71   | 18.0  |  |
| 61462SR  | 190             | 10         | 11   | 1      | 32  | 0.11   | 2.9  | 1.03   | 26.2  |  |
| 61464SR  | 190             | 10         | 11   | 1 ¼    | 40  | 0.15   | 3.7  | 1.28   | 32.6  |  |
| 61466SR  | 95              | 5          | 11   | 1 ½    | 50  | 0.18   | 4.6  | 1.61   | 40.8  |  |
| 61468SR  | 95              | 5          | 11   | 2      | 63  | 0.23   | 5.8  | 2.02   | 51.4  |  |
| 61470SR  | 95              | 5          | 11   | 2 ½    | 75  | 0.27   | 6.8  | 2.42   | 61.4  |  |
| 61472SR  | 57              | 3          | 11   | 3      | 90  | 0.32   | 8.2  | 2.90   | 73.6  |  |
| 61474SR  | 38              | 2          | 11   | 3 ½    | 110 | 0.39   | 10.0 | 3.54   | 90.0  |  |
| 61476SR  | 19              | 1          | 11   | 4      | 125 | 0.45   | 11.4 | 4.02   | 102.2 |  |
| 61478SR  | 19              | 1          | 11   | 6      | 160 | 0.57   | 14.6 | 5.15   | 130.8 |  |
| 61480SR  | 19              | 1          | 11   | 8      | 200 | 0.72   | 18.2 | 6.44   | 163.6 |  |
| 61482SR  | 19              | 1          | 11   | 10     | 250 | 0.89   | 22.7 | 8.06   | 204.6 |  |
| 61484SR  | 19              | 1          | 11   | 12     | 315 | 1.13   | 28.6 | 10.15  | 257.8 |  |
| 61476ZSR | 19              | 1          | 17.6 | 4      | 125 | 0.28   | 7.1  | 4.36   | 110.8 |  |
| 61478ZSR | 19              | 1          | 17.6 | 6      | 160 | 0.36   | 9.1  | 5.94   | 150.9 |  |
| 61480ZSR | 19              | 1          | 17.6 | 8      | 200 | 0.45   | 11.4 | 7.43   | 188.6 |  |
| 61482ZSR | 19              | 1          | 17.6 | 10     | 250 | 0.56   | 14.2 | 9.28   | 235.8 |  |
| 61484ZSR | 19              | 1          | 17.6 | 12     | 315 | 0.70   | 17.9 | 11.70  | 297.1 |  |
| 61486ZSR | 19              | 1          | 17.6 | 14     | 355 | 0.80   | 20.2 | 13.18  | 334.8 |  |
| 61488ZSR | 19              | 1          | 17.6 | 16     | 400 | 0.89   | 22.7 | 14.85  | 377.3 |  |



## Description

**COUPLING**, UV resistant, for socket fusion

| Part #  |    |     | SDR | dimensions |     |  |
|---------|----|-----|-----|------------|-----|--|
|         |    |     |     | inches     | mm  |  |
| 62008SR | 10 | 400 | 5   | ½          | 20  |  |
| 62010SR | 10 | 300 | 5   | ¾          | 25  |  |
| 62012SR | 5  | 150 | 5   | 1          | 32  |  |
| 62014SR | 5  | 250 | 5   | 1 ¼        | 40  |  |
| 62016SR | 5  | 150 | 5   | 1 ½        | 50  |  |
| 62018SR | 1  | 50  | 5   | 2          | 63  |  |
| 62020SR | 1  | 60  | 5   | 2 ½        | 75  |  |
| 62022SR | 1  | 42  | 5   | 3          | 90  |  |
| 62024SR | 1  | 24  | 5   | 3 ½        | 110 |  |
| 62026SR | 1  | 12  | 5   | 4          | 125 |  |



## Description

**BUSHING**, UV resistant, Ø ½" to 4" for socket fusion

| Part #  |    |     | SDR | dimensions |           |
|---------|----|-----|-----|------------|-----------|
|         |    |     |     | inches     | mm        |
| 62112SR | 10 | 400 | 5   | ¾ - ½      | 25 - 20   |
| 62114SR | 10 | 300 | 5   | 1 - ½      | 32 - 20   |
| 62116SR | 10 | 300 | 5   | 1 - ¾      | 32 - 25   |
| 62118SR | 5  | 500 | 5   | 1 ¼ - ½    | 40 - 20   |
| 62120SR | 5  | 400 | 5   | 1 ¼ - ¾    | 40 - 25   |
| 62122SR | 5  | 300 | 5   | 1 - 1      | 40 - 32   |
| 62124SR | 5  | 300 | 5   | 1 ½ - ½    | 50 - 20   |
| 62126SR | 5  | 300 | 5   | 1 ½ - ¾    | 50 - 25   |
| 62128SR | 5  | 300 | 5   | 1 ½ - 1    | 50 - 32   |
| 62130SR | 5  | 200 | 5   | 1 ½ - 1 ¼  | 50 - 40   |
| 62132SR | 1  | 150 | 5   | 2 - ¾      | 63 - 25   |
| 62134SR | 1  | 100 | 5   | 2 - 1      | 63 - 32   |
| 62136SR | 1  | 100 | 5   | 2 - 1 ¼    | 63 - 40   |
| 62138SR | 1  | 100 | 5   | 2 - 1 ½    | 63 - 50   |
| 62139SR | 1  | 100 | 5   | 2 ½ - 1 ¼  | 75 - 40   |
| 62140SR | 1  | 80  | 5   | 2 ½ - 1 ½  | 75 - 50   |
| 62142SR | 1  | 80  | 5   | 2 ½ - 2    | 75 - 63   |
| 62144SR | 1  | 50  | 5   | 3 - 1 ½    | 90 - 50   |
| 62152SR | 1  | 50  | 5   | 3 - 2      | 90 - 63   |
| 62153SR | 1  | 50  | 5   | 3 - 2 ½    | 90 - 75   |
| 62155SR | 1  | 30  | 5   | 3 ½ - 2    | 110 - 63  |
| 62157SR | 1  | 30  | 5   | 3 ½ - 2 ½  | 110 - 75  |
| 62159SR | 1  | 30  | 5   | 3 ½ - 3    | 110 - 90  |
| 62168SR | 1  | 30  | 5   | 4 - 2 ½    | 125 - 75  |
| 62170SR | 1  | 30  | 5   | 4 - 3      | 125 - 90  |
| 62172SR | 1  | 24  | 5   | 4 - 3 ½    | 125 - 110 |



## Description

**REDUCER**, from Ø 6" to 12" for butt fusion

| Part #  |   |   | SDR | dimensions |           |
|---------|---|---|-----|------------|-----------|
|         |   |   |     | inches     | mm        |
| 62173SR | 1 | 8 | 11  | 6 - 3      | 160 - 90  |
| 62174SR | 1 | 8 | 11  | 6 - 3 ½    | 160 - 110 |
| 62176SR | 1 | 4 | 11  | 6 - 4      | 160 - 125 |
| 62180SR | 1 |   | 11  |            |           |
| 62182SR | 1 | 1 | 11  | 8 - 6      | 200 - 160 |
| 62184SR | 1 | 1 | 11  | 10 - 6     | 250 - 160 |
| 62186SR | 1 | 1 | 11  | 10 - 8     | 250 - 200 |
| 62200SR | 1 | 1 | 11  | 12 - 10    | 315 - 250 |



## Description

**90° ELBOW**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

| Part #  |    |     | SDR | dimensions    |           |
|---------|----|-----|-----|---------------|-----------|
|         |    |     |     | <i>inches</i> | <i>mm</i> |
| 63108SR | 10 | 350 | 5   | ½             | 20        |
| 63110SR | 10 | 250 | 5   | ¾             | 25        |
| 63112SR | 5  | 100 | 5   | 1             | 32        |
| 63114SR | 5  | 150 | 5   | 1 ¼           | 40        |
| 63116SR | 5  | 80  | 5   | 1 ½           | 50        |
| 63118SR | 1  | 40  | 5   | 2             | 63        |
| 63120SR | 1  | 30  | 5   | 2 ½           | 75        |
| 63122SR | 1  | 18  | 5   | 3             | 90        |
| 63124SR | 1  | 10  | 5   | 3 ½           | 110       |
| 63126SR | 1  | 5   | 5   | 4             | 125       |
| 63128SR | 1  | 3   | 11  | 6             | 160       |
| 63130SR | 1  | 1   | 11  | 8             | 200       |
| 63132SR | 1  | 1   | 11  | 10            | 250       |
| 63134SR | 1  | 1   | 11  | 12            | 315       |



## Description

**90° SOCKET X MALE ELBOW**, UV resistant, for socket fusion directly to PP-R fitting

| Part #  |    |     | SDR | dimensions    |           |
|---------|----|-----|-----|---------------|-----------|
|         |    |     |     | <i>inches</i> | <i>mm</i> |
| 63308SR | 10 | 350 | 5   | ½             | 20        |
| 63310SR | 10 | 250 | 5   | ¾             | 25        |
| 63312SR | 5  | 100 | 5   | 1             | 32        |
| 63314SR | 5  | 150 | 5   | 1 ¼           | 40        |



## Description

**CROSS**, for socket fusion

| Part #   |    |     | SDR | dimensions    |           |
|----------|----|-----|-----|---------------|-----------|
|          |    |     |     | <i>inches</i> | <i>mm</i> |
| 64308SR  | 10 | 400 | 5   | ½             | 20        |
| 64310SR  | 10 | 300 | 5   | ¾             | 25        |
| 64312SR  | 5  | 150 | 5   | 1             | 32        |
| 64314SR  | 1  | 80  | 5   | 1 ¼           | 40        |
| 64322USR |    |     |     |               |           |
| 64326USR |    |     |     |               |           |
| 64328USR |    |     |     |               |           |
| 64330USR |    |     |     |               |           |
| 64332USR |    |     |     |               |           |
| 64334USR |    |     |     |               |           |

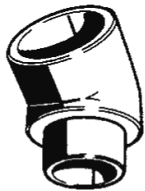
## Description



**45° ELBOW**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

| Part #  |    |     | SDR | dimensions |     |
|---------|----|-----|-----|------------|-----|
|         |    |     |     | inches     | mm  |
| 63508SR | 10 | 400 | 5   | ½          | 20  |
| 63510SR | 10 | 250 | 5   | ¾          | 25  |
| 63512SR | 5  | 150 | 5   | 1          | 32  |
| 63514SR | 5  | 150 | 5   | 1 ¼        | 40  |
| 63516SR | 5  | 80  | 5   | 1 ½        | 50  |
| 63518SR | 1  | 50  | 5   | 2          | 63  |
| 63520SR | 1  | 36  | 5   | 2 ½        | 75  |
| 63522SR | 1  | 18  | 5   | 3          | 90  |
| 63524SR | 1  | 10  | 5   | 3 ½        | 110 |
| 63526SR | 1  | 5   | 5   | 4          | 125 |
| 63528SR | 1  | 3   | 11  | 6          | 160 |
| 63530SR | 1  | 1   | 11  | 8          | 200 |
| 63532SR | 1  | 1   | 11  | 10         | 250 |
| 63534SR | 1  | 1   | 11  | 12         | 315 |

## Description



**45° MALE ELBOW**, UV resistant, for socket fusion directly to PP-R fitting

| Part #  |    |     | SDR | dimensions |    |
|---------|----|-----|-----|------------|----|
|         |    |     |     | inches     | mm |
| 63708SR | 10 | 400 | 5   | ½          | 20 |
| 63710SR | 10 | 300 | 5   | ¾          | 25 |
| 63712SR | 5  | 150 | 5   | 1          | 32 |



## Description

**TEE**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

| Part #  |    |     | SDR | dimensions    |           |
|---------|----|-----|-----|---------------|-----------|
|         |    |     |     | <i>inches</i> | <i>mm</i> |
| 64108SR | 10 | 250 | 5   | ½             | 20        |
| 64110SR | 10 | 150 | 5   | ¾             | 25        |
| 64112SR | 5  | 80  | 5   | 1             | 32        |
| 64114SR | 5  | 100 | 5   | 1 ¼           | 40        |
| 64116SR | 5  | 50  | 5   | 1 ½           | 50        |
| 64118SR | 1  | 30  | 5   | 2             | 63        |
| 64120SR | 1  | 25  | 5   | 2 ½           | 75        |
| 64122SR | 1  | 16  | 5   | 3             | 90        |
| 64124SR | 1  | 10  | 5   | 3 ½           | 110       |
| 64126SR | 1  | 5   | 5   | 4             | 125       |
| 64128SR | 1  | 2   | 11  | 6             | 160       |
| 64130SR | 1  | 1   | 11  | 8             | 200       |
| 64132SR | 1  | 1   | 11  | 10            | 250       |
| 64134SR | 1  | 1   | 11  | 12            | 315       |



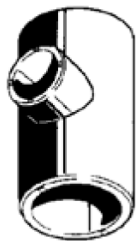
## Description

**CAP**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

| Part #  |    |     | SDR | dimensions    |           |
|---------|----|-----|-----|---------------|-----------|
|         |    |     |     | <i>inches</i> | <i>mm</i> |
| 65008SR | 10 | 500 | 5   | ½             | 20        |
| 65010SR | 10 | 450 | 5   | ¾             | 25        |
| 65012SR | 5  | 250 | 5   | 1             | 32        |
| 65014SR | 5  | 350 | 5   | 1 ¼           | 40        |
| 65016SR | 5  | 200 | 5   | 1 ½           | 50        |
| 65018SR | 1  | 80  | 5   | 2             | 63        |
| 65020SR | 1  | 80  | 5   | 2 ½           | 75        |
| 65022SR | 1  | 50  | 5   | 3             | 90        |
| 65024SR | 1  | 24  | 5   | 3 ½           | 110       |
| 65026SR | 1  | 12  | 5   | 4             | 125       |

## Description

**REDUCING TEE**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion



| Part #  |    |     | SDR | dimensions      |             |
|---------|----|-----|-----|-----------------|-------------|
|         |    |     |     | inches          | mm          |
| 64220SR | 10 | 150 | 5   | ¾ - ½ - ½       | 25-20-20    |
| 64222SR | 10 | 150 | 5   | ¾ - ¾ - ½       | 25-25-20    |
| 64232SR | 5  | 100 | 5   | 1 - ¾ - ¾       | 32-25-25    |
| 64234SR | 5  | 100 | 5   | 1 - 1 - ½       | 32-32-20    |
| 64240SR | 5  | 100 | 5   | 1 - 1 - ¾       | 32-32-25    |
| 64242SR | 5  | 120 | 5   | 1 ¼ - 1 ¼ - ½   | 40-40-20    |
| 64244SR | 5  | 120 | 5   | 1 ¼ - 1 ¼ - ¾   | 40-40-25    |
| 64245SR | 5  | 100 | 5   | 1 ¼ - 1 - 1     | 40-32-32    |
| 64246SR | 5  | 100 | 5   | 1 ¼ - 1 ¼ - 1   | 40-40-32    |
| 64247SR | 5  | 60  | 5   | 1 ½ - 1 ½ - ½   | 50-50-20    |
| 64248SR | 5  | 60  | 5   | 1 ½ - 1 ½ - ¾   | 50-50-25    |
| 64250SR | 5  | 60  | 5   | 1 ½ - 1 ½ - 1   | 50-50-32    |
| 64251SR | 5  | 60  | 5   | 1 ½ - 1 ½ - 1 ¼ | 50-50-40    |
| 64252SR | 1  | 35  | 5   | 2 - 2 - ½       | 63-63-20    |
| 64254SR | 1  | 35  | 5   | 2 - 2 - ¾       | 63-63-25    |
| 64256SR | 1  | 35  | 5   | 2 - 2 - 1       | 63-63-32    |
| 64258SR | 1  | 35  | 5   | 2 - 2 - 1 ¼     | 63-63-40    |
| 64260SR | 1  | 30  | 5   | 2 - 2 - 1 ½     | 63-63-50    |
| 64261SR | 1  | 25  | 5   | 2 ½ - 2 ½ - ½   | 75-75-20    |
| 64262SR | 1  | 25  | 5   | 2 ½ - 2 ½ - ¾   | 75-75-25    |
| 64264SR | 1  | 25  | 5   | 2 ½ - 2 ½ - 1   | 75-75-32    |
| 64266SR | 1  | 25  | 5   | 2 ½ - 2 ½ - 1 ¼ | 75-75-40    |
| 64268SR | 1  | 25  | 5   | 2 ½ - 2 ½ - 1 ½ | 75-75-50    |
| 64270SR | 1  | 16  | 5   | 2 ½ - 2 ½ - 2   | 75-75-63    |
| 64280SR | 1  | 16  | 5   | 3 - 3 - 1 ½     | 90-90-50    |
| 64282SR | 1  | 16  | 5   | 3 - 3 - 2       | 90-90-63    |
| 64284SR | 1  | 16  | 5   | 3 - 3 - 2 ½     | 90-90-75    |
| 64286SR | 1  | 10  | 5   | 3 ½ - 3 ½ - 2   | 110-110-63  |
| 64288SR | 1  | 10  | 5   | 3 ½ - 3 ½ - 2 ½ | 110-110-75  |
| 64290SR | 1  | 10  | 5   | 3 ½ - 3 ½ - 3   | 110-110-90  |
| 64294SR | 1  | 5   | 5   | 4 - 4 - 3       | 125-125-90  |
| 64296SR | 1  | 5   | 5   | 4 - 4 - 3 ½     | 125-125-110 |



## Description

**SADDLE FUSION OUTLET**, UV resistant, for outlet socket fusion

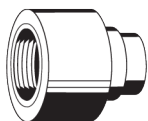
| Part #   |    |     | SDR | output Ø |    | for pipe |           | miller |  |
|----------|----|-----|-----|----------|----|----------|-----------|--------|--|
|          |    |     |     | inches   | mm | inches   | mm        |        |  |
| 650472SR | 10 | 400 | 5   | ½        | 20 | 1 ¼      | 40        | 50346  |  |
| 650474SR | 10 | 300 | 5   | ¾        | 25 | 1 ¼      | 40        | 50348  |  |
| 650478SR | 10 | 400 | 5   | ½        | 20 | 1 ½      | 50        | 50346  |  |
| 650480SR | 10 | 300 | 5   | ¾        | 25 | 1 ½      | 50        | 50348  |  |
| 650498SR | 10 | 400 | 5   | ½        | 20 | 2 - 2 ½  | 63-75     | 50346  |  |
| 650500SR | 10 | 300 | 5   | ¾        | 25 | 2 - 2 ½  | 63 - 75   | 50348  |  |
| 650502SR | 5  | 150 | 5   | 1        | 32 | 2 - 2 ½  | 63 - 75   | 50352  |  |
| 650556SR | 10 | 400 | 5   | ½        | 20 | 3 ½ - 4  | 110 - 125 | 50346  |  |
| 650558SR | 10 | 300 | 5   | ¾        | 25 | 2 ½ - 4  | 75 - 125  | 50348  |  |
| 650560SR | 5  | 150 | 5   | 1        | 32 | 3 - 4    | 90-125    | 50352  |  |
| 650580SR | 5  | 100 | 5   | 1 ¼      | 40 | 3        | 90        | 50354  |  |
| 650600SR | 5  | 100 | 5   | 1 ¼      | 40 | 3 ½      | 110       | 50354  |  |
| 650620SR | 5  | 70  | 5   | 1 ½      | 50 | 3 ½      | 110       | 50356  |  |
| 650638SR | 5  | 100 | 5   | 1 ¼      | 40 | 4        | 125       | 50354  |  |
| 650640SR | 5  | 70  | 5   | 1 ½      | 50 | 4        | 125       | 50356  |  |
| 650660SR | 1  | 50  | 5   | 2        | 63 | 4        | 125       | 50358  |  |



## Description

**DIRECT FUSION OUTLET**, UV resistant, for outlet socket fusion

| Part #  |    |      | SDR | output Ø |    | for pipe |          | miller |  |
|---------|----|------|-----|----------|----|----------|----------|--------|--|
|         |    |      |     | inches   | mm | inches   | mm       |        |  |
| 65132SR | 10 | 1000 | 5   | ½        | 20 | 1 ½ ~ 12 | 50 ~ 315 | 50346  |  |
| 65134SR | 10 | 500  | 5   | ¾        | 25 | 2 ~ 12   | 63 ~ 315 | 50348  |  |
| 65136SR | 5  | 400  | 5   | 1        | 32 | 2 ½ ~ 12 | 75 ~ 315 | 50352  |  |
| 65138SR | 1  | 200  | 5   | 1 ¼      | 40 | 2 ½ ~ 12 | 75 ~ 315 | 50354  |  |

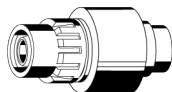


## Description

**DIRECT FUSION OUTLET X THREADED FEMALE**, UV resistant, for outlet socket fusion

| Part #  |   |     | SDR | output Ø |    | for pipe |          | miller |  |
|---------|---|-----|-----|----------|----|----------|----------|--------|--|
|         |   |     |     | inches   | mm | inches   | mm       |        |  |
| 65152SR | 5 | 200 | 5   | ½        | 20 | 1 ½ ~ 12 | 50 ~ 315 | 50346  |  |
| 65154SR | 5 | 150 | 5   | ¾        | 25 | 2 ~ 12   | 63 ~ 315 | 50348  |  |

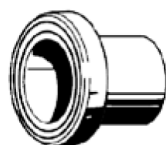
## Description



**FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION**, UV resistant, lead-free, for outlet socket fusion

| Part #  |   |     | SDR | output Ø |      | for pipe |          | millar |  |
|---------|---|-----|-----|----------|------|----------|----------|--------|--|
|         |   |     |     | inches   | mm   | inches   | mm       |        |  |
| 65170SR | 5 | 150 | 5   | ½        | sm16 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |  |
| 65172SR | 5 |     | 5   | ¾        | sm20 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |  |
| 65174SR | 5 |     | 5   | ¾        | sm26 | 2 ~ 10   | 50 ~ 250 | 50348  |  |

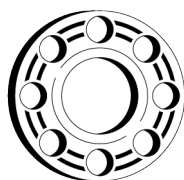
## Description



**FLANGE ADAPTER**, UV resistant, from Ø ½" to 4" for socket fusion, from Ø 6" to 12" for butt fusion

| Part #  |    |      | SDR | dimensions |     | collar OD |     |  |
|---------|----|------|-----|------------|-----|-----------|-----|--|
|         |    |      |     | inches     | mm  | inches    | mm  |  |
| 65208SR | 10 | 1000 | 11  | ½          | 20  | 1.02      | 26  |  |
| 65210SR | 10 | 400  | 11  | ¾          | 25  | 1.30      | 33  |  |
| 65212SR | 10 | 300  | 11  | 1          | 32  | 1.57      | 40  |  |
| 65214SR | 5  | 200  | 11  | 1 ¼        | 40  | 1.93      | 49  |  |
| 65216SR | 5  | 100  | 11  | 1 ½        | 50  | 2.28      | 58  |  |
| 65218SR | 1  | 50   | 11  | 2          | 63  | 2.87      | 73  |  |
| 65220SR | 1  | 40   | 11  | 2 ½        | 75  | 3.50      | 89  |  |
| 65222SR | 1  | 25   | 11  | 3          | 90  | 4.25      | 108 |  |
| 65224SR | 1  | 16   | 11  | 3 ½        | 110 | 5.12      | 130 |  |
| 65226SR | 1  | 25   | 11  | 4          | 125 | 5.79      | 147 |  |
| 65228SR | 1  | 4    | 11  | 6          | 160 | 8.35      | 212 |  |
| 65230SR | 1  | 4    | 11  | 8          | 200 | 10.55     | 268 |  |
| 65232SR | 1  | 1    | 11  | 10         | 250 | 12.63     | 320 |  |
| 65234SR | 1  | 1    | 11  | 12         | 315 |           |     |  |

## Description



**ALUMINUM FLANGE**, with ANSI bolt pattern, for collars

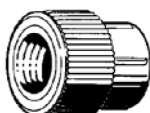
| Part # |    |      | for collar |     | ID     |        | OD     |        | no. holes |  |
|--------|----|------|------------|-----|--------|--------|--------|--------|-----------|--|
|        |    |      | inches     | mm  | inches | mm     | inches | mm     |           |  |
| 65266U | 10 | 1000 | ½          | 20  | 0.07   | 28.00  | 3.74   | 95.00  | 4         |  |
| 65268U | 10 | 400  | ¾          | 25  | 0.09   | 34.00  | 4.13   | 105.00 | 4         |  |
| 65270U | 10 | 300  | 1          | 32  | 0.11   | 42.00  | 4.53   | 115.00 | 4         |  |
| 65272U | 5  | 200  | 1 ¼        | 40  | 0.15   | 51.00  | 5.51   | 140.00 | 4         |  |
| 65274U | 5  | 100  | 1 ½        | 50  | 0.18   | 62.00  | 5.91   | 150.00 | 4         |  |
| 65276U | 1  | 50   | 2          | 63  | 0.23   | 78.00  | 6.50   | 165.00 | 4         |  |
| 65278U | 1  | 40   | 2 ½        | 75  | 0.27   | 92.00  | 7.28   | 185.00 | 4         |  |
| 65280U | 1  | 25   | 3          | 90  | 0.32   | 108.00 | 7.87   | 200.00 | 8         |  |
| 65282U | 1  | 16   | 3 ½        | 110 | 0.39   | 128.00 | 8.66   | 220.00 | 8         |  |
| 65284U | 1  | 25   | 4          | 125 | 0.45   | 135.00 | 9.84   | 250.00 | 8         |  |
| 65286U | 1  | 4    | 6          | 160 | 0.57   | 178.00 | 11.22  | 285.00 | 8         |  |
| 65290U | 1  | 4    | 8          | 200 | 0.72   | 235.00 | 13.39  | 340.00 | 8         |  |
| 65292U | 1  | 1    | 10         | 250 | 0.89   | 290.00 | 15.55  | 395.00 | 12        |  |
| 65294U | 1  | 1    | 12         | 315 |        |        |        |        |           |  |



## Description

**faser FIBER-T PIPE CROSSOVER**, UV resistant, for socket fusion

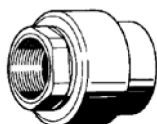
| Part #  |    |     | SDR | dimensions |    |
|---------|----|-----|-----|------------|----|
|         |    |     |     | inches     | mm |
| 65414SR | 10 | 250 | 7.4 | ½          | 20 |



## Description

**FEMALE THREADED ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe

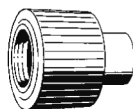
| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 66008USR | 10 | 200 | 5   | F½ - ½     | F½ - 20 |
| 66009USR | 10 | 200 | 5   | F½ - ¾     | F½ - 25 |
| 66010USR | 10 | 200 | 5   | F¾ - ¾     | F¾ - 25 |
| 66011USR | 10 | 200 | 5   | F¾ - ½     | F¾ - 20 |
| 66013USR | 5  | 150 | 5   | F¾ - 1     | F¾ - 32 |



## Description

**FEMALE THREADED HEX ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe

| Part #   |    |     | SDR | dimensions |           |
|----------|----|-----|-----|------------|-----------|
|          |    |     |     | inches     | mm        |
| 66108USR | 10 | 200 | 5   | F½ - ½     | F½ - 20   |
| 66109USR | 10 | 150 | 5   | F¾ - ½     | F¾ - 20   |
| 66110USR | 10 | 150 | 5   | F¾ - ¾     | F¾ - 25   |
| 66112USR | 5  | 80  | 5   | F1 - 1     | F1 - 32   |
| 66114USR | 5  | 50  | 5   | F1 ¼ - 1 ¼ | F1 ¼ - 40 |
| 66116USR | 1  | 40  | 5   | F1 ½ - 1 ½ | F1 ½ - 50 |
| 66118USR | 1  | 25  | 5   | F2 - 2     | F2 - 63   |
| 66120USR | 1  | 15  | 5   | F2 ½ - 2 ½ | F2 ½ - 75 |
| 66122USR | 1  | 12  | 5   | F3 - 3     | F3 - 90   |
| 66124USR | 1  | 6   | 5   | F4 - 4     | F4 - 125  |
| 66126USR | 1  | 4   | 5   | F5 - 4     | F5 - 125  |

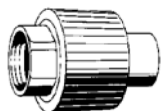


## Description

**FEMALE THREADED BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 66150USR | 10 | 200 | 5   | F½ - ½     | F½ - 20 |

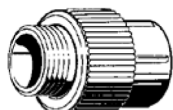
## Description



**FEMALE THREADED HEX BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with hexagonal seat and alloy thread

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 66158USR | 10 | 200 | 5   | F½ - ½     | F½ - 20 |

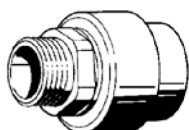
## Description



**MALE THREADED ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe with alloy thread

| Part #   |    |     | SDR | dimensions |          |
|----------|----|-----|-----|------------|----------|
|          |    |     |     | inches     | mm       |
| 66208USR | 10 | 200 | 5   | M½ - ½     | M½ - 20  |
| 66209USR | 10 | 200 | 5   | M½ - ¾     | M½ - 25  |
| 66210USR | 10 | 200 | 5   | M¾ - ¾     | M¾ - 25  |
| 66211USR | 10 | 200 | 5   | M¾ - ½     | M¾ - 20  |
| 66213USR | 5  | 150 | 5   | M ¾ - 1    | M ¾ - 32 |

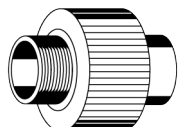
## Description



**MALE THREADED HEX ADAPTER**, UV resistant, lead-free, for socket fusion to PP-R pipe, with hexagonal seat and alloy thread

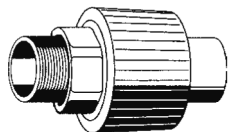
| Part #   |    |     | SDR | dimensions |           |
|----------|----|-----|-----|------------|-----------|
|          |    |     |     | inches     | mm        |
| 66308USR | 10 | 200 | 5   | M½ - ½     | M½ - 20   |
| 66310USR | 10 | 150 | 5   | M¾ - ¾     | M¾ - 25   |
| 66311USR | 10 | 150 | 5   | M¾ - ½     | M¾ - 20   |
| 66312USR | 5  | 70  | 5   | M1 - 1     | M1 - 32   |
| 66314USR | 5  | 50  | 5   | M1 ¼ - 1 ¼ | M1 ¼ - 40 |
| 66316USR | 5  | 40  | 5   | M1 ½ - 1 ½ | M1 ½ - 50 |
| 66318USR | 1  | 20  | 5   | M2 - 2     | M2 - 63   |
| 66320USR | 1  | 20  | 5   | M2 ½ - 2 ½ | M2 ½ - 75 |
| 66321USR | 1  | 15  | 5   | M2 ½ - 3   | M2 ½ - 90 |
| 66322USR | 1  | 6   | 5   | M3 - 3     | M3 - 90   |
| 66324USR | 1  | 6   | 5   | M3 - 3 ½   | M3 - 110  |

## Description



**MALE THREADED BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with alloy thread

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 66350USR | 10 | 200 | 5   | M½ - ½     | M½ - 20 |



## Description

**MALE THREADED HEX BUSHING**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, with hexagonal

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 66358USR | 10 | 200 | 5   | M½ - ½     | M½ - 20 |



## Description

**FEMALE THREAD X SOCKET ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, without bracket, with alloy thread

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 67008USR | 10 | 200 | 5   | F½ - ½     | F½ - 20 |
| 67009USR | 10 | 150 | 5   | F½ - ¾     | F½ - 25 |
| 67010USR | 10 | 150 | 5   | F¾ - ¾     | F¾ - 25 |
| 67011USR | 10 | 100 | 5   | F¾ - ½     | F¾ - 20 |
| 67013USR | 5  | 100 | 5   | F¾ - 1     | F¾ - 32 |
| 67014USR | 5  | 70  | 5   | F1 - 1     | F1 - 32 |



## Description

**DROP EAR ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, with bracket, with alloy thread

| Part #   |    |     | SDR | dimensions |         |
|----------|----|-----|-----|------------|---------|
|          |    |     |     | inches     | mm      |
| 67108USR | 10 | 150 | 5   | F½ - ½     | F½ - 20 |
| 67109USR | 10 | 100 | 5   | F¾ - ½     | F¾ - 20 |
| 67110USR | 10 | 100 | 5   | F¾ - ¾     | F¾ - 25 |
| 67111USR | 10 | 100 | 5   | F½ - ¾     | F½ - 25 |

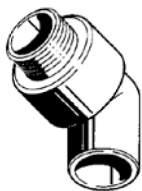


## Description

**FEMALE THREADED X MALE SOCKET ELBOW**, UV resistant, lead-free, for socket fusion directly to PP-R fittings, without bracket, with alloy thread

| Part #   |    |     | SDR | dimensions |           |
|----------|----|-----|-----|------------|-----------|
|          |    |     |     | inches     | mm        |
| 67208USR | 10 | 200 | 5   | F1/2 - 1/2 | F1/2 - 20 |

## Description



**MALE THREADED X SOCKET ELBOW**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

| Part #   |    |     | SDR | dimensions |          |
|----------|----|-----|-----|------------|----------|
|          |    |     |     | inches     | mm       |
| 67500USR | 10 | 100 | 5   | M ½ - ¾    | M ½ - 25 |
| 67508USR | 10 | 150 | 5   | M ½ - ½    | M ½ - 20 |
| 67509USR | 10 | 100 | 5   | M ¾ - ½    | M ¾ - 20 |
| 67510USR | 10 | 100 | 5   | M ¾ - ¾    | M ¾ - 25 |
| 67511USR | 5  | 50  | 5   | M ¾ - 1    | M ¾ - 32 |
| 67512USR | 5  | 50  | 5   | M1 - 1     | M1 - 32  |

## Description



**FEMALE THREADED TEE**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

| Part #   |    |     | SDR | dimensions |              |
|----------|----|-----|-----|------------|--------------|
|          |    |     |     | inches     | mm           |
| 68008USR | 10 | 150 | 5   | ½ - ½ - F½ | 20 - 20 - F½ |
| 68009USR | 10 | 100 | 5   | ½ - ½ - F¾ | 20 - 20 - F¾ |
| 68010USR | 10 | 100 | 5   | ¾ - ¾ - F¾ | 25 - 25 - F¾ |
| 68011USR | 10 | 100 | 5   | ¾ - ¾ - F½ | 25 - 25 - F½ |
| 68014USR | 5  | 50  | 5   | 1 - 1 - F¾ | 32 - 32 - F¾ |
| 68016USR | 5  | 50  | 5   | 1 - 1 - F1 | 32 - 32 - F1 |

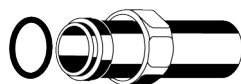
## Description



**MALE THREADED TEE**, UV resistant, lead-free, for socket fusion to PP-R pipe, with alloy thread

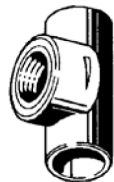
| Part #   |    |     | SDR | dimensions |              |
|----------|----|-----|-----|------------|--------------|
|          |    |     |     | inches     | mm           |
| 68508USR | 10 | 150 | 5   | ½ - ½ - M½ | 20 - 20 - M½ |

## Description



**PIPE UNION ADAPTER WITH NUT**, UV resistant, for socket fusion directly to PP-R fitting, for ball valves: 40008U, 40058U, 40068U, 40098U, 40108U

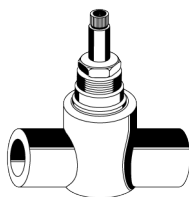
| Part #  |    |     | dimensions |           |
|---------|----|-----|------------|-----------|
|         |    |     | inches     | mm        |
| 40208SR | 10 | 200 | F¾ - ½     | F¾ - 20   |
| 40210SR | 10 | 200 | F1 - ¾     | F1 - 25   |
| 40212SR | 5  | 100 | F1 ¼ - 1   | F1 ¼ - 32 |
| 40214SR | 5  | 100 | F1 ½ - 1 ¼ | F1 ½ - 40 |
| 40216SR | 1  | 50  | F2 - 1 ½   | F2 - 50   |
| 40218SR | 1  | 20  | F2 ½ - 2   | F2 ½ - 63 |



## Description

**GLOBE STOP-COCK BODY**, UV resistant, lead-free, for socket fusion, for screw type shut-off valves, with alloy thread

| Part #   |    |     | SDR | dimensions |    |
|----------|----|-----|-----|------------|----|
|          |    |     |     | inches     | mm |
| 40846USR | 10 | 100 | 5   | ½          | 20 |
| 40847USR | 10 | 100 | 5   | ¾          | 25 |
| 40850USR | 5  | 50  | 5   | 1          | 32 |



## Description

**STOP-COCK BODY WITH BALL VALVE**, UV resistant, alloy, for socket fusion

| Part #   |   |  | SDR | dimensions |    |
|----------|---|--|-----|------------|----|
|          |   |  |     | inches     | mm |
| 40852USR | 1 |  | 5   | ½          | 20 |
| 40854USR | 1 |  | 5   | ¾          | 25 |

## Description

**PIPE UNION**, UV resistant, all PP-R made, for socket fusion

| Part #   |    |  | SDR | dimensions |    |
|----------|----|--|-----|------------|----|
|          |    |  |     | inches     | mm |
| 69320USR | 10 |  | 11  | ½          | 20 |
| 69322USR | 10 |  | 11  | ¾          | 25 |
| 69324USR | 5  |  | 11  | 1          | 32 |

## Description

**PIPE UNION with CHECK VALVE**, UV resistant, for socket fusion

| Part #   |    |  | SDR | dimensions |    |
|----------|----|--|-----|------------|----|
|          |    |  |     | inches     | mm |
| 69360USR | 10 |  | 11  | ½          | 20 |
| 69362USR | 10 |  | 11  | ¾          | 25 |
| 69364USR | 5  |  | 11  | 1          | 32 |

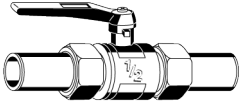


## Description

**PP-R PIPE PLUG**, UV resistant, for socket fusion, for hole repairs

| Part #   |    |      | dimensions  |        |
|----------|----|------|-------------|--------|
|          |    |      | inches      | mm     |
| 69350USR | 10 | 1000 | 0.28 - 0.43 | 7 - 11 |

## Description



**BALL VALVE**, alloy, for socket fusion directly to PP-R fittings, with male pipe unions

| Part #   |   |    | SDR | dimensions    |           |
|----------|---|----|-----|---------------|-----------|
|          |   |    |     | <i>inches</i> | <i>mm</i> |
| 40008USR | 5 | 50 | 11  | ½             | 20        |
| 40010USR | 5 | 40 | 11  | ¾             | 25        |
| 40012USR | 1 | 20 | 11  | 1             | 32        |
| 40014USR | 1 | 15 | 11  | 1 ¼           | 40        |
| 40016USR | 1 | 10 | 11  | 1 ½           | 50        |
| 40018USR | 1 | 7  | 11  | 2             | 63        |

## Description

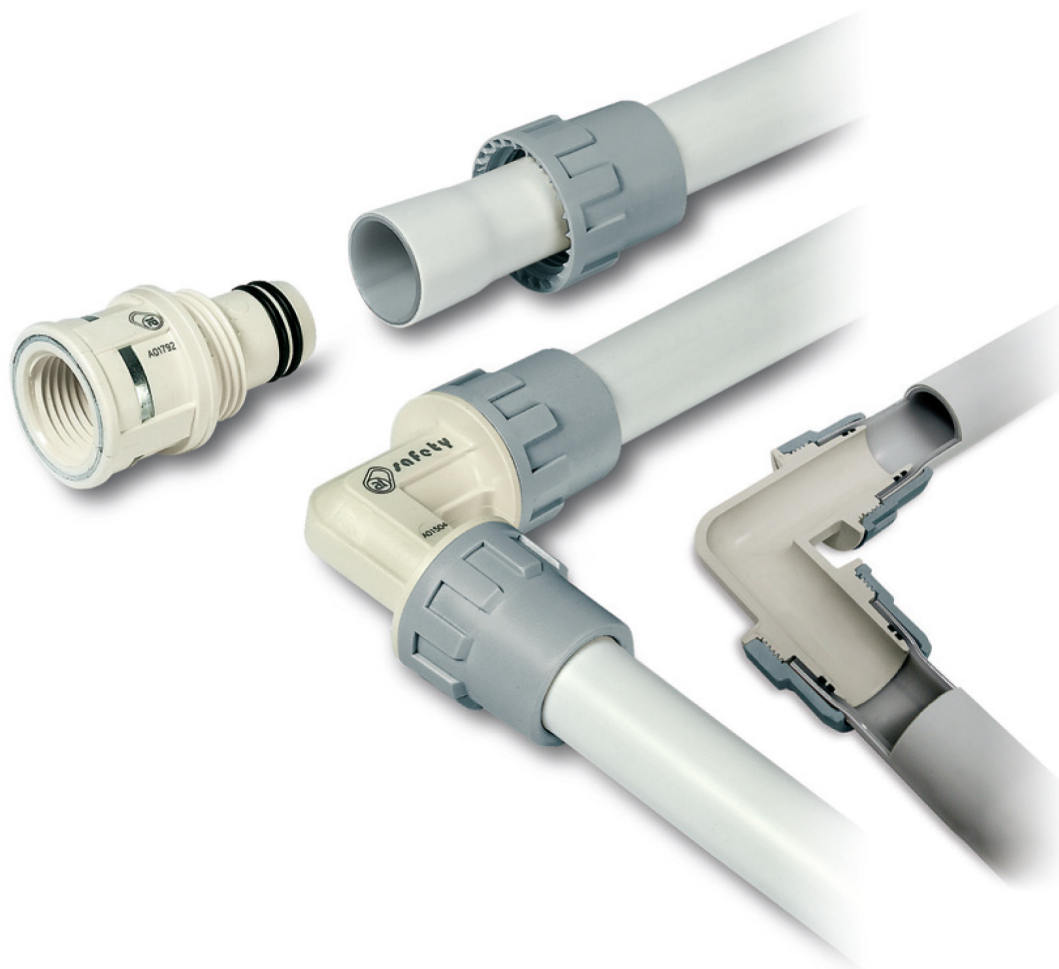


**PRE-BORED PLATE**, for mounting fittings

| Part #  |   |     | for code                    |
|---------|---|-----|-----------------------------|
| 27058SR | 5 | 250 | 67108U-67109U-67110U-67111U |

# aquatechnik NA Safety<sup>®</sup>-Pol

Patented fittings of PPSU with PAM Caps



## Range

From Ø ½" to 2½"

## Use

Transport of hot/cold fluid and non-potable fluids with maximum working temperature/pressure 203°F/145psi

## Applications

Heating/cooling and industrial fluid transport

## Advantages

- Simple and safe connections for in-wall installations
- High impact-resistant
- High flow rates and low pressure drops
- Quick-and-easy installation
- Possibility to unlock fittings for re-use
- Resistant to lime, cement, plaster and electro-chemical reaction
- Low cost and economical dedicated tools
- Less waste by re-using fittings

The safety-pol fittings are the product of continuous technical innovation and research, which are an integral to aquatechnik<sup>®</sup> success. This new range was designed and patented by the aquatechnik<sup>®</sup> group spa to reach the highest safety standards regarding the connection of in-wall multi-layer pipe installations.

The main features of the safety-pol system are:

- patented aquatechnik<sup>®</sup> tools flare the pipe around the fitting to maintain precise inside diameters of the fittings, reducing pressure drops throughout the fittings
- the pipe is locked on the fitting by a tight collar/cap connection, but can be unlocked and used again.

The idea to develop the safety-pol fittings came from the decision to increase the flow – consequently decreasing pressure drops and friction - making a greater diameter socket on the pipe head for the connection.

The project has been carried out step by step, going through all necessary tests and paying great attention to reliability factors for its in-wall piping use.

The industrial production began only after receiving certifications from international authorities for the whole range and its dedicated accessories.

The socket on the pipe head is special tool that ensures a quick, reliable and safe connection.



# Safety®-Pol Applicable Certifications, Standards and Regulations

## Safety®-Pol fittings & multi-calor pipe

### Listings and Approvals:

NSF/ANSI 61

NSF/ANSI 14

NSF/ANSI-pw

NSF/ANSI 372

CSA B137.5

### Reference Standards:

ASTM F876

ASTM F877

ASTM 1281-11

ASTM 2023

ASTM F2080

AWWA C904

CSA B214

CSA C448

DIN 4726

ISO 9080

ISO 9001

### Applicable Codes:

Uniform Plumbing Code (UPC)

Uniform Mechanical Code (UMC)

National Plumbing Code (NRC)

International Plumbing Code (IPC)

International Mechanical Code (IMC)

International Residential Code (IRC)

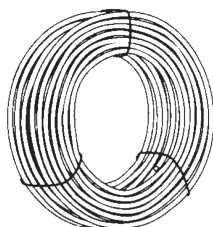




### Description

**MULTI-CALOR PIPE**, (PE-X/Al/PE-X) NP 145 psi, 50 - 203°F, white in color, available in Ø1/2" (16mm)-1"(32mm)

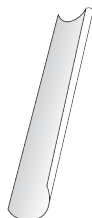
| Part # | pkg. ft. | Nominal Diameter (inches) | Actual Ext. Dia. (mm) | Thick. (inches) | Thick. (mm) |
|--------|----------|---------------------------|-----------------------|-----------------|-------------|
| 74154U | 196.85   | ½                         | 16                    | 0.079           | 2           |
| 74156U | 131.23   | ¾                         | 20                    | 0.079           | 2           |
| 74158U | 131.23   | ¾                         | 26                    | 0.118           | 3           |
| 74160U | 104.99   | 1                         | 32                    | 0.118           | 3           |



### Description

**MULTI-CALOR PIPE**, (PE-X/Al/PE-X) NP 145 psi, 50 - 203°F, white in color, available in Ø1/2" (16mm)-1"(32mm)

| Part #   | pkg. ft. | Pallet ft. | Nominal Dimension (inches) | Actual Ext. Dia. (mm) | Thick. (inches) | Thick. (mm) |
|----------|----------|------------|----------------------------|-----------------------|-----------------|-------------|
| 74004U3  | 300      |            | ½                          | 16                    | 0.079           | 2           |
| 74004U10 | 1000     |            | ½                          | 16                    | 0.079           | 2           |
| 74008U3  | 300      |            | ¾                          | 20                    | 0.079           | 2           |
| 74008U5  | 500      |            | ¾                          | 20                    | 0.079           | 2           |
| 74010U3  | 300      |            | ¾                          | 26                    | 0.118           | 3           |
| 74010U5  | 500      |            | ¾                          | 26                    | 0.118           | 3           |
| 74012U1  | 100      |            | 1                          | 32                    | 0.118           | 3           |
| 74012U3  | 300      |            | 1                          | 32                    | 0.118           | 3           |
| 74012U5  | 500      |            | 1                          | 32                    | 0.118           | 3           |



### Description

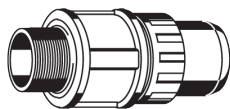
**SHELL**, dilatation containment shell in zinc-plated steel to support free lying pipe; available in 13 ft lengths for Ø5/8" (20mm)-1"(32mm)

| Part # | pkg. ft. | for Nominal Dimension (inches) |
|--------|----------|--------------------------------|
| 61508  | 13.12    | ¾                              |
| 61510  | 13.12    | ¾                              |
| 61512  | 13.12    | 1                              |

\*sm= safety-pol male sf= safety-pol female

## Description

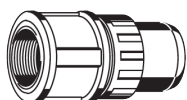
**THREADED MALE JOINT**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1" (32mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20002U | 10 | 30  | M½ - sm½                 | 16                | 2                   |
| 20006U | 10 | 250 | M½ - sm¾                 | 20                | 2                   |
| 20010U | 10 | 250 | M¾ - sm¾                 | 20                | 2                   |
| 20012U | 5  | 100 | M¾ - sm¾                 | 26                | 3                   |
| 20016U | 5  | 80  | M1 - 1                   | 32                | 3                   |

## Description

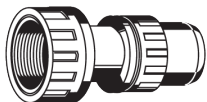
**THREADED FEMALE JOINT**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1" (32mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20062U | 10 | 300 | F½ - sm½                 | 16                | 2                   |
| 20066U | 10 | 250 | F½ - sm¾                 | 20                | 2                   |
| 20070U | 10 | 250 | F¾ - sm¾                 | 20                | 2                   |
| 20072U | 5  | 100 | F¾ - sm¾                 | 26                | 3                   |
| 20076U | 5  | 80  | F1 - sm1                 | 32                | 3                   |

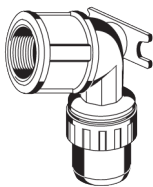
## Description

**REDUCER**, safety-pol, with PPSU available in Ø1/2" (16mm)-1" (32mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                  |
|--------|----|-----|--------------------------|-------------------|------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick. (mm) |
| 20122U | 10 | 250 | sf¾ - sm½                | 16                | 2                |
| 20126U | 5  | 200 | sf¾ - sm½                | 16                | 2                |
| 20130U | 5  | 200 | sf¾ - sm¾                | 20                | 2                |
| 20132U | 5  | 80  | sf1 - sm½                | 16                | 2                |
| 20136U | 5  | 80  | sf1 - sm¾                | 20                | 2                |
| 20138U | 5  | 80  | sf1 - sm¾                | 26                | 3                |

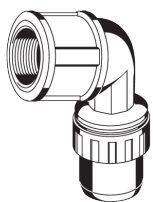
\*sm= safety-pol male sf= safety-pol female



## Description

**THREADED FEMALE ELBOW w BRACKET**, safety-pol, with PPSU NPT thread, with bracket available in Ø1/2" (16mm)-5/8"(20mm)

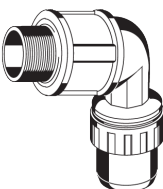
| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                  |
|--------|----|-----|--------------------------|-------------------|------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick. (mm) |
| 20212U | 10 | 200 | F½ - sm½                 | 16                | 2                |
| 20216U | 10 | 250 | F½ - sm¾                 | 20                | 2                |



## Description

**THREADED FEMALE ELBOW**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

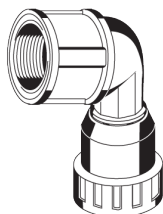
| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20222U | 10 | 250 | F½ - sm½                 | 16                | 2                   |
| 20226U | 10 | 200 | F½ - sm¾                 | 20                | 2                   |
| 20230U | 10 | 150 | F¾ - sm¾                 | 20                | 2                   |
| 20232U | 5  | 100 | F¾ - sm¾                 | 26                | 3                   |
| 20238U | 5  | 60  | F1 - sm1                 | 32                | 3                   |



## Description

**THREADED MALE ELBOW**, safety-pol, with PPSU NPT thread, available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20282U | 10 | 300 | M½ - sm½                 | 16                | 2                   |
| 20286U | 10 | 200 | M½ - sm¾                 | 20                | 2                   |
| 20288U | 10 | 150 | M¾ - sm¾                 | 20                | 2                   |
| 20290U | 5  | 100 | M¾ - sm¾                 | 26                | 3                   |
| 20296U | 5  | 60  | M1 - sm1                 | 32                | 3                   |



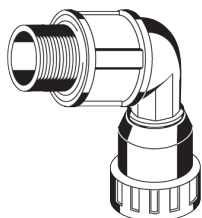
## Description

**THREADED F/F ELBOW**, safety-pol, with PPSU NPT thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for fitting w/ nom. dia.<br>(inches) |  |
|--------|----|-----|--------------------------|--------------------------------------|--|
|        |    |     |                          |                                      |  |
| 20332U | 10 | 200 | F½ - sf½                 | ½                                    |  |
| 20336U | 10 | 150 | F½ - sf¾                 | ¾                                    |  |
| 20337U | 5  | 100 | F¾ - sf¾                 | ¾                                    |  |
| 20338U | 5  | 80  | F1 - sf1                 | 1                                    |  |

\*sm= safety-pol male sf= safety-pol female

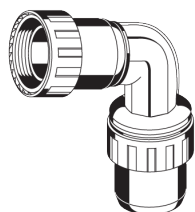
## Description



**THREADED M/F ELBOW**, safety-pol, with PPSU NPT thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for fitting w/ nom. dia.<br>(inches) |  |
|--------|----|-----|--------------------------|--------------------------------------|--|
| 20342U | 10 | 200 | M½ - sf½                 | ½                                    |  |
| 20344U | 10 | 150 | M½ - sf¾                 | ¾                                    |  |
| 20346U | 5  | 100 | M¾ - sf¾                 | ¾                                    |  |
| 20348U | 5  | 80  | M1 - sf1                 | 1                                    |  |

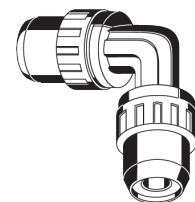
## Description



**90° M/F ELBOW**, safety-pol, with turning cap; available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for pipe<br>ext. dia.<br>(mm) | wall thick.<br>(mm) |  |
|--------|----|-----|--------------------------|-------------------------------|---------------------|--|
| 20352U | 10 | 200 | sf½ - sm½                | 16                            | 2                   |  |
| 20356U | 10 | 150 | sf¾ - sm¾                | 20                            | 2                   |  |
| 20358U | 5  | 80  | sf¾ - sm¾                | 26                            | 3                   |  |
| 20360U | 5  | 50  | sf1 - sm1                | 32                            | 3                   |  |

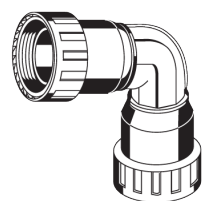
## Description



**90° ELBOW**, safety-pol, with PPSU thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for pipe<br>ext. dia.<br>(mm) | wall thick.<br>(mm) |  |
|--------|----|-----|--------------------------|-------------------------------|---------------------|--|
| 20382U | 10 | 250 | sm½ - sm½                | 16                            | 2                   |  |
| 20386U | 10 | 150 | sm¾ - sm¾                | 20                            | 2                   |  |
| 20388U | 5  | 60  | sm¾ - sm¾                | 26                            | 3                   |  |
| 20390U | 5  | 40  | sm1 - sm1                | 32                            | 3                   |  |

## Description



**90° F/F ELBOW**, safety-pol, with PPSU thread and turning cap; available in Ø1/2" (16mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for fitting<br>w/ nom. dia.<br>(inches) |  |
|--------|----|-----|--------------------------|-----------------------------------------|--|
| 20402U | 10 | 250 | sf½ - sf½                | ½                                       |  |
| 20406U | 10 | 200 | sf¾ - sf¾                | ¾                                       |  |
| 20408U | 5  | 100 | sf¾ - sf¾                | ¾                                       |  |
| 20410U | 5  | 60  | sf1 - sf1                | 1                                       |  |

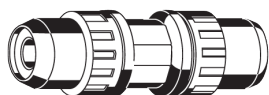
\*sm= safety-pol male sf= safety-pol female



## Description

**45° ELBOW**, safety-pol, with PPSU; available in Ø5/8" (20mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches)            | for pipe          |                     |
|--------|----|-----|-------------------------------------|-------------------|---------------------|
|        |    |     |                                     | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20416U | 10 | 120 | sm $\frac{1}{8}$ - sm $\frac{1}{8}$ | 20                | 2                   |
| 20418U | 5  | 50  | sm $\frac{3}{8}$ - sm $\frac{3}{8}$ | 26                | 3                   |
| 20420U | 5  | 30  | sm1 - sm1                           | 32                | 3                   |



## Description

**PIPE COUPLING**, safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

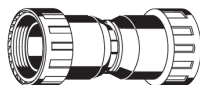
| Part # |    |     | Nominal Dia.<br>(inches)            | for pipe          |                     |
|--------|----|-----|-------------------------------------|-------------------|---------------------|
|        |    |     |                                     | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20442U | 10 | 250 | sm $\frac{1}{2}$ - sm $\frac{1}{2}$ | 16                | 2                   |
| 20446U | 10 | 200 | sm $\frac{3}{8}$ - sm $\frac{3}{8}$ | 20                | 2                   |
| 20448U | 5  | 80  | sm $\frac{1}{2}$ - sm $\frac{1}{2}$ | 26                | 3                   |
| 20450U | 5  | 60  | sm1 - sm1                           | 32                | 3                   |



## Description

**REDUCED PIPE COUPLING**, safety-pol, with PPSU; available in Ø1/2" (20mm)-3/4"(26mm)

| Part # |    |     | Nominal Dia.<br>(inches)            | for pipe          |                  |
|--------|----|-----|-------------------------------------|-------------------|------------------|
|        |    |     |                                     | ext. dia.<br>(mm) | wall thick. (mm) |
| 20472U | 10 | 200 | sm $\frac{1}{2}$ - sm $\frac{1}{2}$ | 16/20             | 2                |
| 20480U | 10 | 80  | sm $\frac{3}{8}$ - sm $\frac{3}{8}$ | 20/26             | 2/3              |



## Description

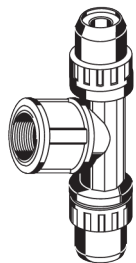
**F/F Nipple**, safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)

| Part # |    |     | Nominal Dia.<br>(inches)            | for fitting<br>w/ nom. dia.<br>(inches) |
|--------|----|-----|-------------------------------------|-----------------------------------------|
|        |    |     |                                     |                                         |
| 20522U | 10 | 250 | sf $\frac{1}{2}$ - sf $\frac{1}{2}$ | $\frac{1}{2}$                           |
| 20526U | 10 | 200 | sf $\frac{3}{8}$ - sf $\frac{3}{8}$ | $\frac{3}{8}$                           |
| 20528U | 5  | 150 | sf $\frac{1}{2}$ - sf $\frac{1}{2}$ | $\frac{1}{2}$                           |
| 20530U | 5  | 60  | sf1 - sf1                           | 1                                       |

\*sm= safety-pol male sf= safety-pol female

## Description

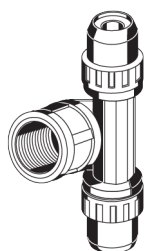
**THREADED FEMALE TEE** safety-pol, with PPSU NPT thread; available in Ø1/2" (20mm)-1"(32mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20542U | 10 | 150 | sm½ - sm½ - F½           | 16                | 2                   |
| 20546U | 10 | 120 | sm¾ - sm¾ - F½           | 20                | 2                   |
| 20550U | 5  | 50  | sm¾ - sm¾ - F¾           | 26                | 3                   |
| 20556U | 5  | 30  | sm1 - sm1 - F1           | 32                | 3                   |

## Description

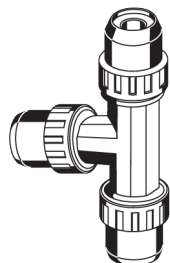
**OFFSET THREADED FEMALE TEE** safety-pol, with PPSU NPT thread; available in Ø1/2" (20mm)-5/8"(20mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                  |
|--------|----|-----|--------------------------|-------------------|------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick. (mm) |
| 20592U | 10 | 100 | sm½ - sm½ - F½           | 16                | 2                |
| 20596U | 10 | 80  | sm¾ - sm¾ - F½           | 20                | 2                |

## Description

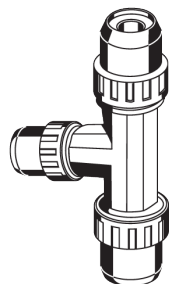
**TEE** safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20662U | 10 | 100 | sm½ - sm½ - sm½          | 16                | 2                   |
| 20666U | 10 | 80  | sm¾ - sm¾ - sm¾          | 20                | 2                   |
| 20668U | 5  | 40  | sm¾ - sm¾ - sm¾          | 26                | 3                   |
| 20670U | 5  | 30  | sm1 - sm1 - sm1          | 32                | 3                   |

## Description

**REDUCED TEE** safety-pol, with PPSU; available in Ø1/2" (20mm)-1"(32mm)



| Part # |    |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|----|--------------------------|-------------------|---------------------|
|        |    |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20717U | 10 | 80 | sm¾ - sm½ - sm½          | 16/20             | 2                   |
| 20720U | 10 | 80 | sm¾ - sm¾ - sm½          | 16/20             | 2                   |
| 20725U | 5  | 40 | sm¾ - sm¾ - sm½          | 16/26             | 2/3                 |
| 20728U | 5  | 40 | sm¾ - sm¾ - sm¾          | 20/26             | 3                   |
| 20732U | 5  | 40 | sm1 - sm1 - sm½          | 16/32             | 3                   |
| 20735U | 5  | 40 | sm1 - sm1 - sm¾          | 20/32             | 3                   |
| 20736U | 5  | 40 | sm1 - sm1 - sm¾          | 26/32             | 3                   |

\*sm= safety-pol male sf= safety-pol female



## Description

**CLOSING CAP MALE**, safety-pol, with PPSU; available in Ø1/2" (20mm)-1" (32mm)

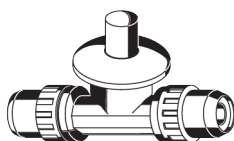
| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 20902U | 10 | 300 | sm½                      | 16                | 2                   |
| 20906U | 10 | 250 | sm¾                      | 20                | 2                   |
| 20908U | 5  | 200 | sm¾                      | 26                | 3                   |
| 20910U | 5  | 150 | sm1                      | 32                | 3                   |



## Description

**CLOSING CAP FEMALE**, safety-pol, with PPSU; available in Ø1/2" (20mm)-1" (32mm)

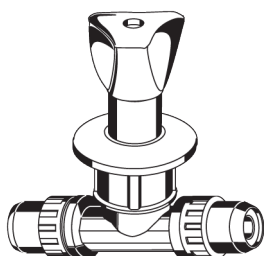
| Part # |    |     | Nominal Dia.<br>(inches) | for fitting<br>nom. dia.<br>(inches) |
|--------|----|-----|--------------------------|--------------------------------------|
|        |    |     |                          |                                      |
| 20952U | 10 | 500 | ½                        | ½                                    |
| 20956U | 10 | 500 | ¾                        | ¾                                    |
| 20958U | 5  | 300 | ¾                        | ¾                                    |
| 20960U | 5  | 200 | 1                        | 1                                    |



## Description

**GLOBE VALVE w/CHROME PLATED COVER**, safety-pol, built-in, screw closing; available in Ø1/2" (20mm)-3/4" (26mm)

| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21202U | 1 | 30 | sm½ - sm½                | 16                | 2                   |
| 21206U | 1 | 30 | sm¾ - sm¾                | 20                | 2                   |
| 21208U | 1 | 30 | sm¾ - sm¾                | 26                | 3                   |



## Description

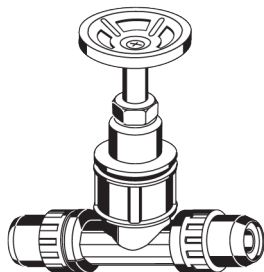
**GLOBE VALVE w/CHROME PLATED HANDLE**, safety-pol, built-in, screw closing; available in Ø1/2" (20mm)-3/4" (26mm)

| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21232U | 1 | 30 | sm½ - sm½                | 16                | 2                   |
| 21236U | 1 | 30 | sm¾ - sm¾                | 20                | 2                   |
| 21238U | 1 | 30 | sm¾ - sm¾                | 26                | 3                   |

\*sm= safety-pol male sf= safety-pol female

## Description

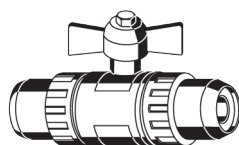
**GLOBE VALVE w/ HANDWHEEL**, safety-pol, for outside handwheel auger; available in Ø1/2" (20mm)-3/4"(26mm)



| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21262U | 1 | 30 | sm½ - sm½                | 16                | 2                   |
| 21266U | 1 | 30 | sm¾ - sm¾                | 20                | 2                   |
| 21268U | 1 | 30 | sm¾ - sm¾                | 26                | 3                   |

## Description

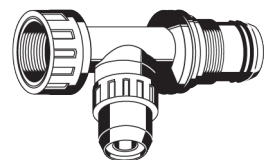
**BALL VALVE w/ BUTTERFLY HANDLE**, safety-pol, with lead-free alloy body and butterfly handle; available in Ø1/2" (20mm)-1"(32mm)



| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21282U | 5 | 50 | sm½ - sm½                | 16                | 2                   |
| 21286U | 5 | 50 | sm¾ - sm¾                | 20                | 2                   |
| 21288U | 1 | 30 | sm¾ - sm¾                | 26                | 3                   |
| 21290U | 1 | 30 | sm1 - sm1                | 32                | 3                   |

## Description

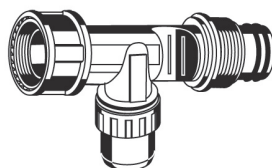
**MODULAR MANIFOLD** safety-pol, free-laying and walled-in, PPSU; available in Ø1/2" (20mm)-3/4"(26mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21302U | 10 | 150 | sm½ - ¾                  | 16/20             | 2                   |
| 21304U | 5  | 80  | sm½ - ¾                  | 16/26             | 2/3                 |
| 21307U | 5  | 80  | sm¾ - ¾                  | 20/26             | 2/3                 |

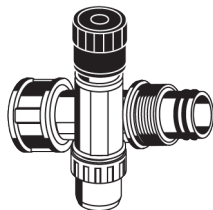
## Description

**MODULAR MANIFOLD** safety-pol, free-laying and walled-in, PPSU; available in Ø1/2" (20mm)-3/4"(26mm)



| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21782U | 10 | 150 | sm¾ - sm¾- sm ½          | 16/20             | 2                   |

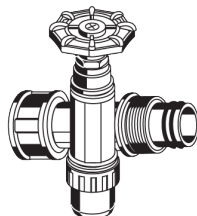
\*sm= safety-pol male sf= safety-pol female



## Description

**MULTI-RAPID MANIFOLD w SHUT-OFF VALVE**,safety-pol, for domestic distribution, with shut-off valve; available in Ø1/2" (20mm)-1" (32mm)

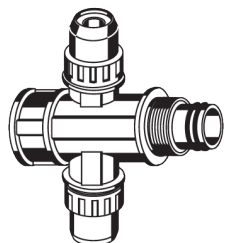
| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21312U | 10 | 100 | sm½ - ¾                  | 16/20             | 2                   |
| 21316U | 5  | 80  | sm½ - ¾                  | 16/26             | 2/3                 |
| 21322U | 5  | 40  | sm½ - 1                  | 16/32             | 2/3                 |
| 21326U | 5  | 40  | sm¾ - 1                  | 26/32             | 2/3                 |



## Description

**MULTI-RAPID MANIFOLD w SHUT-OFF VALVE**,safety-pol, for domestic distribution, with shut-off valve; available in Ø1/2" (20mm)-1" (32mm)

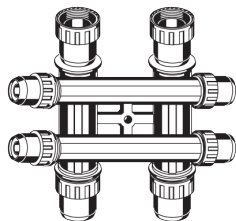
| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21342U | 5 | 40 | sm½ - 1                  | 16/32             | 2/3                 |
| 21346U | 5 | 40 | sm¾ - 1                  | 20/32             | 2/3                 |



## Description

**CROSS MANIFOLD**,safety-pol; available in Ø1/2" (20mm)-3/4" (26mm)

| Part # |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21402U | 10 | 120 | sm½ - ¾                  | 16/20             | 2                   |
| 21406U | 5  | 80  | sm½ - ¾                  | 16/26             | 2/3                 |



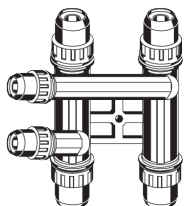
## Description

**CO-PLANER MANIFOLD**,safety-pol; available in Ø1/2" (20mm)-3/4" (26mm)

| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21658U | 1 | 25 | sm½ - ¾                  | 16/26             | 2/3                 |

\*sm= safety-pol male sf= safety-pol female

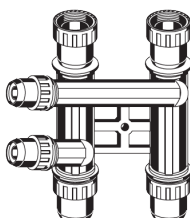
## Description



DERIVATION MANIFOLD, safety-pol; available in Ø1/2" (20mm)-3/4"(26mm)

| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21685U | 1 | 25 | sm½ - sm¾                | 16/20             | 2                   |
| 21689U | 1 | 25 | sm½ - sm¾                | 16/26             | 2/3                 |

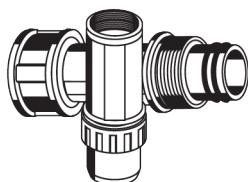
## Description



DERIVATION MANIFOLD M/F, safety-pol; available in Ø1/2" (20mm)-5/8"(20mm)

| Part # |   |    | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|---|----|--------------------------|-------------------|---------------------|
|        |   |    |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 21745U | 1 | 25 | sm½ - ¾                  | 16/20             | 2                   |

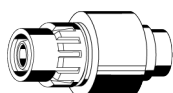
## Description



MANIFOLD BODY, safety-pol; available in Ø1/2" (20mm)-1"(32mm)

| Part#  |    |     | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 22312U | 10 | 150 | sm½ - ¾                  | 16/20             | 2                   |
| 22316U | 5  | 80  | sm½ - ¾                  | 16/26             | 2/3                 |
| 22322U | 5  | 60  | sm½ - 1                  | 16/32             | 2/3                 |
| 22326U | 5  | 60  | sm¾ - 1                  | 20/32             | 2/3                 |

## Description



FUSION-TECH DIRECT FUSION OUTLET X SAFETY-POL CONNECTION, lead-free, for outlet socket fusion; available in Ø1/2" (20mm)-1"(32mm)

| Part # |   |     | SDR | output Ø |      | for pipe |          | miller |
|--------|---|-----|-----|----------|------|----------|----------|--------|
|        |   |     |     | inches   | mm   | inches   | mm       |        |
| 65170U | 5 | 150 | 5   | ½        | sm16 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |
| 65172U | 5 |     | 5   | ¾        | sm20 | 1 ½ ~ 10 | 50 ~ 250 | 50346  |
| 65174U | 5 |     | 5   | ¾        | sm26 | 2 ~ 10   | 50 ~ 250 | 50348  |

\*sm= safety-pol male sf= safety-pol female

## Description



**CAP**, safety-pol, PA-M

| Part # |    |     | for pipe                 |                   |                     |
|--------|----|-----|--------------------------|-------------------|---------------------|
|        |    |     | Nominal Dia.<br>(inches) | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 39102U | 10 | 700 | ½                        | 16                | 2                   |
| 39106U | 10 | 500 | ¾                        | 20                | 2                   |
| 39108U | 10 | 300 | ¾                        | 26                | 3                   |
| 39110U | 10 | 200 | 1                        | 32                | 3                   |

## Description



**BRASS CAP**, lead-free, for safety manifold with O-ring

| Part # |   |     | Dimensions                   |
|--------|---|-----|------------------------------|
| 22876U | 1 | 500 | M ¾" for part # 22312, 22316 |
| 22902U | 1 | 500 | M ½" for part # 22322, 22326 |

## Description



**BRASS REDUCER CAP**, lead-free, for safety manifold

| Part # |   |   | Dimensions                   |
|--------|---|---|------------------------------|
| 22910U | 1 | - | M 1" - F ½" for part # 22336 |

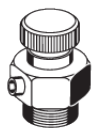
## Description



**AUTOMATIC AIR VENT**, automatic, lead-free, for safety manifold

| Part # |   |     | Dimensions |
|--------|---|-----|------------|
| 92320U | 1 | 100 | M ¾"       |
| 92322U | 1 | 100 | M ½"       |

## Description



**MANUAL AIR VENT**, manual, lead-free, for safety manifold

| Part # |  |  | Dimensions |
|--------|--|--|------------|
| 92330U |  |  | M ¾"       |
| 92332U |  |  | M ½"       |

\*sm= safety-pol male sf= safety-pol female

## Description



**BUTTERFLY HANDLE** alloy, for ball valve

| Part # |   |   | Dimensions              |
|--------|---|---|-------------------------|
| 22850  | 1 | - | for part # 21282, 21286 |
| 22852  | 1 | - | for part # 21288, 21290 |

## Description



**SHUT-OFF VALVE** for **MANIFOLD**, alloy, for multi-rapid manifold

| Part # |   |     | Dimensions              |
|--------|---|-----|-------------------------|
| 22880  | 1 | 100 | for part # 21312, 21316 |
| 22882  | 1 | 100 | for part # 21322, 21326 |

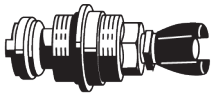
## Description



**HANDWHEEL**, for manifold shut-off valve

| Part # |   |   | Dimensions              |
|--------|---|---|-------------------------|
| 22854  | 1 | - | for part # 22850, 22852 |

## Description



**AUGER**, alloy

| Part # |   |   | Dimensions              |
|--------|---|---|-------------------------|
| 22890  | 1 | - | for part # 21202, 21206 |
| 22892  | 1 | - | for part # 21208        |

## Description



**HANDWHEEL**, for manifold shut-off valve

| Part # |   |   | Dimensions              |
|--------|---|---|-------------------------|
| 40990  | 1 | - | for part # 22890, 22892 |

## Description



**BRASS AUGER**, alloy, for multi-rapid manifolds

| Part # |   |     | Dimensions             |
|--------|---|-----|------------------------|
| 22886  | 1 | 100 | for part# 21342, 21346 |
| 22940  | 1 | 100 | for part # 21266       |
| 22942  | 1 | 100 | for part # 21268       |

\*sm= safety-pol male sf= safety-pol female

## Description



**HANDLE**, alloy, for multi-rapid manifolds

| Part # |   |   | Dimensions             |
|--------|---|---|------------------------|
| 40992  | 1 | - | for part# 22886, 22940 |
| 40994  | 1 | - | for part # 22942       |

## Description



**HANDLE**, alloy, with chrome-plated closed-up

| Part # |   |   | Dimensions                     |
|--------|---|---|--------------------------------|
| 22920  | 1 | - | for part # 21232, 21236, 21238 |

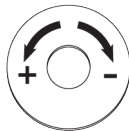
## Description



**SHUT-OFF VALVE AUGER**, alloy, for shutt-off valve with handle

| Part # |   |   | Dimensions              |
|--------|---|---|-------------------------|
| 22930  | 5 | - | for part # 21232, 21236 |
| 22932  | 5 | - | for part # 21238        |

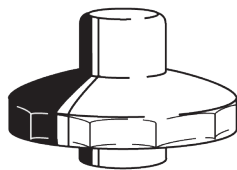
## Description



**VALVE PLATE**, cold-warm indicator

| Part # |    |   | Dimensions              |
|--------|----|---|-------------------------|
| 22884  | 10 | - | for part # 22880, 22882 |

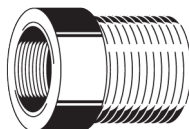
## Description



**CAP**, alloy, chrome-plated washer

| Part # |   |     | Dimensions                     |
|--------|---|-----|--------------------------------|
| 40927  | 5 | 100 | for part # 21202, 21206, 21208 |

## Description



**EXTENSION** alloy, for shut-off valve, length 1,42 inches (36mm)

| Part # |   |     | Dimensions                                          |
|--------|---|-----|-----------------------------------------------------|
| 40931  | 5 | 400 | total length 1 7/16"                                |
|        |   |     | for part # 21202, 21206, 21208, 21232, 21236, 21238 |

\*sm= safety-pol male sf= safety-pol female

## Description



**EXTENSION** alloy, for shut-off valve, length 1,42 inches (36mm)

| Part # |   |     | Dimensions                                          |
|--------|---|-----|-----------------------------------------------------|
| 40934  | 5 | 400 | total length 1 3/4"                                 |
|        |   |     | for part # 21202, 21206, 21208, 21232, 21236, 21238 |

## Description



**O-RING**, safety of peroxidic EPDM

| Part # |    |   | Nominal Dia.<br>(inches) | for fitting<br>Nominal Dia.<br>(inches) |
|--------|----|---|--------------------------|-----------------------------------------|
| 39252  | 10 | - | 1/2                      | 1/2                                     |
| 39256  | 10 | - | 3/8                      | 3/8                                     |
| 39258  | 10 | - | 7/8                      | 7/8                                     |
| 39260  | 10 | - | 1                        | 1                                       |

## Description



**SPACER**, plastic, for pipe and eccentric fitting distance 1.50 inches (38 mm)

| Part # |    |     | Dimensions |
|--------|----|-----|------------|
| 39296  | 10 | 500 | 1/2        |
| 39300  | 10 | 300 | 3/8        |

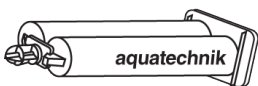
## Description



**LOCKING BRACKET** for safety manifolds with collars and screws

| Part # |   |    | Dimensions                    |
|--------|---|----|-------------------------------|
| 73580  | 2 | 80 | for safety manifold dia. 1/2" |
| 73582  | 2 | 60 | for safety manifold dia. 7/8" |

## Description



**SEALANT**, for safety-pol fittings

| Part # |   |    | Dimensions |
|--------|---|----|------------|
| 71380  | 1 | 50 | 1.7 oz     |

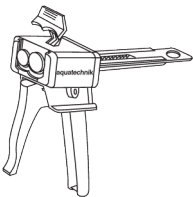
## Description



**MIXING NOZZLE**, for sealant

| Part # |    |     | Dimensions       |
|--------|----|-----|------------------|
| 71382  | 10 | 500 | for part # 71380 |

\*sm= safety-pol male sf= safety-pol female



Description

DOSING PISTOL,for sealent

| Part # |   |   | Dimensions       |
|--------|---|---|------------------|
| 71384  | 1 | - | for part # 71380 |



Description

GREASE,for O-ring

| Part # |   |    | Dimensions |
|--------|---|----|------------|
| 71391  | 1 | 80 | 1.8 oz     |



Description

CLIPS, brackets for pipe support

| Part # |    |      | Dimensions |
|--------|----|------|------------|
| 27042  | 50 | 2000 | ½"         |
| 27044  | 50 | 2000 | ¾"         |
| 27046  | 50 | 1000 | ¾"         |



Description

CLOSING CAP,for system testing

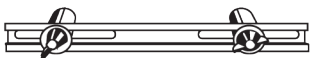
| Part # |    |     | Dimensions |
|--------|----|-----|------------|
| 27048  | 10 | 500 | ½"         |
| 27050  | 10 | 400 | ¾"         |



Description

CLOSING CAP O-RING,for system testing

| Part # |    |   | Dimensions |
|--------|----|---|------------|
| 27052  | 10 | - | ½"         |
| 27053  | 10 | - | ¾"         |



Description

SPACER,plastic; adjustable

| Part # |   |     | Dimensions                       |
|--------|---|-----|----------------------------------|
| 27056  | 5 | 100 | extension from 3 1/8" to 9 7/16" |

\*sm= safety-pol male sf= safety-pol female

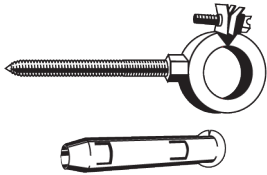
## Description



FIXED PRE-BORED BRACKET, plastic

| Part # |   |     | Dimensions                |
|--------|---|-----|---------------------------|
| 27058  | 5 | 250 | for part # 20212U, 20216U |

## Description



RING CLAMPS, with rubber protection

| Part # |   |     | Dimensions |
|--------|---|-----|------------|
| 27520  | 5 | 150 | ½"         |
| 27525  | 5 | 150 | ¾"         |
| 27532  | 5 | 100 | 1"         |

## Description



ELASTOMERIC ADAPTER for BBR 90, spare-part for mechanical expander

| Part # |    |   | Nominal Dia.<br>(inches) | for pipe          |                     |
|--------|----|---|--------------------------|-------------------|---------------------|
|        |    |   |                          | ext. dia.<br>(mm) | wall thick.<br>(mm) |
| 50752  | 10 | - | ½                        | 16                | 2                   |
| 50754  | 10 | - | ¾                        | 20                | 2                   |
| 50755  | 10 | - | 1                        | 26                | 3                   |
| 50756  | 10 | - | 1 ½                      | 32                | 3                   |

## Description



GREASE for CONICAL PIN, for BBR 90

| Part # |   |   | Dimensions |
|--------|---|---|------------|
| 50825  | 1 | - | For BBR 90 |

## Description



PROTECTION CAP for CONICAL PIN, for BBR 90

| Part # |   |   | Dimensions |
|--------|---|---|------------|
| 50770  | 1 | - | For BBR 90 |

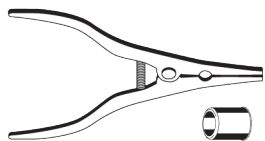
## Description



PROTECTION MECHANICAL EXPANDER for CONICAL PIN, for BBR 90

| Part # |   |   | Dimensions |
|--------|---|---|------------|
| 50772  | 1 | - | For BBR 90 |

\*sm= safety-pol male sf= safety-pol female



## Description

**SPLITTING WRENCH**, to insert the elastomeric adapters from Ø ½" to 1"

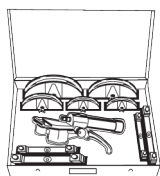
| Part # |   |   | Dimensions                                           |
|--------|---|---|------------------------------------------------------|
| 50830  | 1 | - | to insert the elastomeric adapter from dia. ½" to 1" |
|        |   |   | for part # 50752, 50754, 50755, 50756                |



## Description

**WRENCH**, for locking safety-pol caps

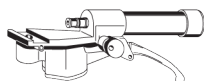
| Part # |   |     | Dimensions |
|--------|---|-----|------------|
| 50600  | 1 | 150 | ½" - ¾"    |
| 50602  | 1 | 100 | ¾" - 1"    |



## Description

**BENDING MACHINE HTS 32**, for bending multi-color pipe

| Part # |   |   | Dimensions                |
|--------|---|---|---------------------------|
| 51150  | 1 | - | from nominal dia. ½" - 1" |



## Description

**BENDING MACHINE HTS 32**, for bending multi-color pipe

| Part # |   |   | Dimensions                |
|--------|---|---|---------------------------|
| 51155  | 1 | - | from nominal dia. ½" - 1" |



## Description

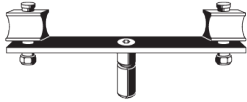
**TEMPLATE**, for HTS 32

| Part # |   |   | Nominal diameter (inches) |
|--------|---|---|---------------------------|
| 51165  | 1 | - | ½                         |
| 51175  | 1 | - | ¾                         |
| 51180  | 1 | - | ¾                         |
| 51185  | 1 | - | 1                         |

\*sm= safety-pol male sf= safety-pol female

## Description

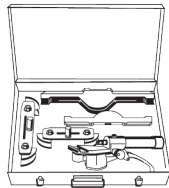
COUNTER-TEMPLATE, for HTS 32



| Part # |   |   | Nominal diameter (inches) |  |
|--------|---|---|---------------------------|--|
| 51200  | 1 | - | ½                         |  |
| 51205  | 1 | - | ¾                         |  |
| 51210  | 1 | - | ¾                         |  |
| 51215  | 1 | - | 1                         |  |

## Description

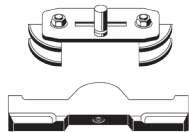
SWAN-NECK MACHINE CPS 26, for multi-color pipe



| Part # |   |   | Nominal diameter (inches) |  |
|--------|---|---|---------------------------|--|
| 51218  | 1 | - | ¾ - ¾                     |  |

## Description

SWAN-NECK TEMPLATE and COUNTER-TEMPLATE, for CPS 26



| Part # |   |   | Nominal diameter (inches) |  |
|--------|---|---|---------------------------|--|
| 51225  | 1 | - | ¾                         |  |
| 51230  | 1 | - | ¾                         |  |

## Description

PUNCH MC 1420, for correcting deformed (ovaled) pipe



| Part # |   |   | Nominal diameter (inches) |  |
|--------|---|---|---------------------------|--|
| 51240  | 1 | - | ½"                        |  |

\*sm= safety-pol male sf= safety-pol female





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