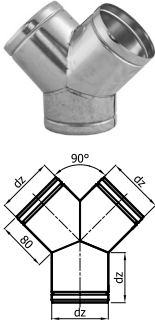
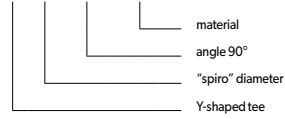


1. TEE YS/90



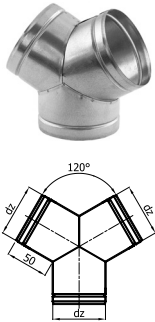
| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.23 | 0.26 | 0.27 | 0.28 | 0.29 | 0.33 | 0.35 | 0.38 | 0.42 | 0.45 | 0.51 | 0.56 |

YS x/ 90 - OC



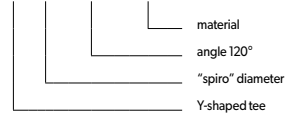
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

2. TEE YS/120



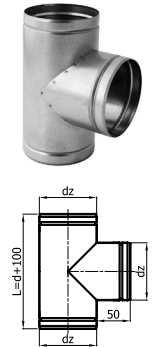
| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.19 | 0.21 | 0.22 | 0.23 | 0.24 | 0.26 | 0.28 | 0.30 | 0.33 | 0.34 | 0.38 | 0.42 |

YS x/ 120 - OC



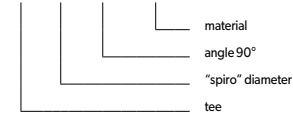
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

3. TEE TRS/90



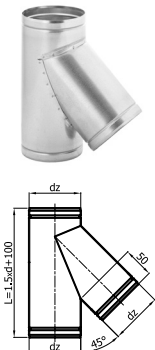
| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.23 | 0.30 | 0.35 | 0.38 | 0.40 | 0.43 | 0.45 | 0.50 | 0.57 | 0.62 | 0.72 | 0.80 |

TRS x/ 90 - OC



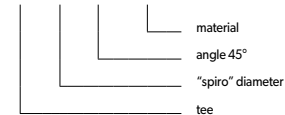
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

4. TEE TRS/45



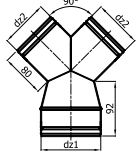
| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.33 | 0.48 | 0.55 | 0.61 | 0.66 | 0.71 | 0.76 | 0.87 | 0.98 | 1.05 | 1.15 | 1.28 |

TRS x/ 45 - OC



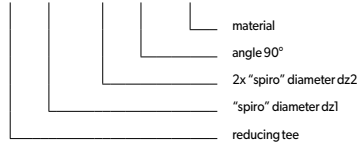
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

5. REDUCING TEE YRS/90



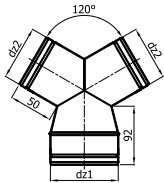
| "Spiro" diameter | ø100-2xø80 | | ø125-2xø100 | | ø150-2xø100 | | ø150-2xø125 | | ø160-2xø125 | | ø160-2xø100 | | ø200-2xø150 | | ø200-2xø160 | |
|------------------|------------|----|-------------|----|-------------|----|-------------|-----|-------------|-----|-------------|----|-------------|-----|-------------|-----|
| dz1 / dz2 | 98 | 78 | 123 | 98 | 148 | 98 | 148 | 123 | 158 | 123 | 158 | 98 | 198 | 148 | 198 | 158 |
| Weight [kg] | 0.30 | | 0.35 | | 0.39 | | 0.40 | | 0.40 | | 0.40 | | 0.50 | | 0.52 | |

YRS x-2x y / 90 - OC



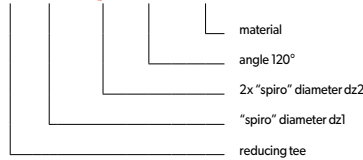
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

6. REDUCING TEE YRS/120



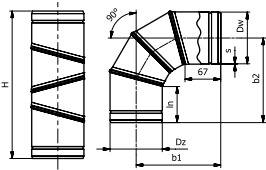
| "Spiro" diameter | ø100-2xø80 | | ø125-2xø100 | | ø150-2xø125 | | ø150-2xø100 | | ø160-2xø125 | | ø160-2xø100 | | ø200-2xø150 | | ø200-2xø160 | |
|------------------|------------|----|-------------|----|-------------|-----|-------------|----|-------------|-----|-------------|----|-------------|-----|-------------|-----|
| dz1 / dz2 | 98 | 78 | 123 | 98 | 148 | 123 | 148 | 98 | 158 | 123 | 158 | 98 | 198 | 148 | 198 | 158 |
| Weight [kg] | 0.28 | | 0.30 | | 0.35 | | 0.35 | | 0.35 | | 0.35 | | 0.50 | | 0.52 | |

YRS x-2x y / 120 - OC



| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

7. ADJUSTABLE ELBOW KNS/90



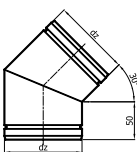
| "Spiro" diameter | ø80 | ø100 | ø110 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 | ø225 | ø250 |
|------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Dw [mm] | 78.1 | 97.5 | 107.4 | 117.3 | 122.4 | 127.5 | 137.3 | 147.2 | 157.4 | 177.1 | 197.2 | 222.6 | 247.8 |
| Dz [mm] | 79.1 | 98.5 | 108.4 | 118.3 | 123.4 | 128.5 | 138.3 | 148.2 | 158.4 | 178.1 | 198.2 | 223.6 | 248.8 |
| b1 [mm] | 149 | 159 | 164 | 169 | 174 | 175 | 179 | 184 | 189 | 199 | 209 | 221 | 234 |
| b2 [mm] | 150 | 159 | 157 | 161 | 164 | 164 | 175 | 172 | 195 | 199 | 204 | 221 | 238 |
| H [mm] | 262 | 278 | 278 | 285 | 292 | 292 | 305 | 305 | 332 | 342 | 352 | 377 | 402 |
| In [mm] | 68 | 68 | 60 | 59 | 58 | 57 | 63 | 55 | 74 | 68 | 62 | 67 | 71 |
| Weight [kg] | 0.29 | 0.37 | 0.41 | 0.46 | 0.49 | 0.51 | 0.57 | 0.61 | 0.70 | 0.81 | 0.93 | 1.12 | 1.32 |

KNS x / 90 - OC



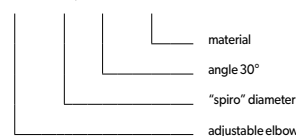
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

8. ADJUSTABLE ELBOW KNS/30



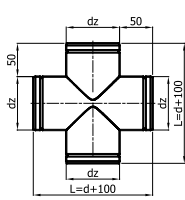
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.18 | 0.25 | 0.29 | 0.31 | 0.33 | 0.35 | 0.38 | 0.42 | 0.45 | 0.48 | 0.58 | 0.63 |

KNS x / 30 - OC



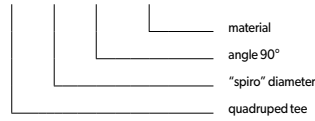
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

9. QUADRUPED TEE CZO/90



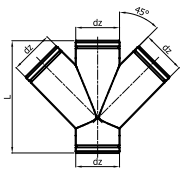
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.27 | 0.35 | 0.38 | 0.41 | 0.43 | 0.45 | 0.47 | 0.52 | 0.58 | 0.63 | 0.84 | 1.00 |

CZO x/90 - OC



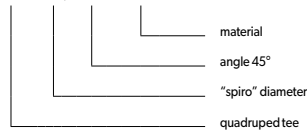
| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

10. QUADRUPED TEE CZO/45



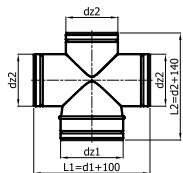
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.50 | 0.58 | 0.66 | 0.73 | 0.79 | 0.88 | 0.92 | 1.05 | 1.18 | 1.26 | 1.38 | 1.54 |

CZO x/45 - OC



| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

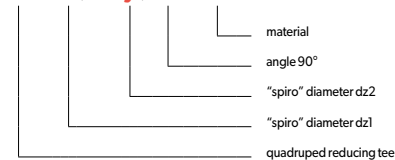
11. QUADRUPED REDUCING TEE CZOR/90



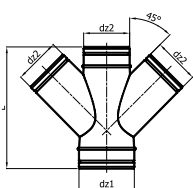
| "Spiro" diameter | ø125-3xø80 | ø125-3xø100 | ø150-3xø100 | ø150-3xø125 |
|------------------|------------|-------------|-------------|-------------|
| dz1 / dz2 | 123/78 | 123/98 | 148/98 | 148/123 |
| Weight [kg] | 0.35 | 0.45 | 0.52 | 0.58 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

CZOR x/3x y/90 - OC



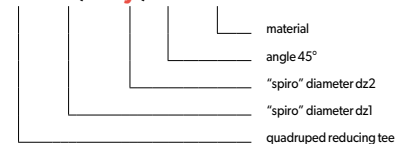
12. QUADRUPED REDUCING TEE CZOR/45



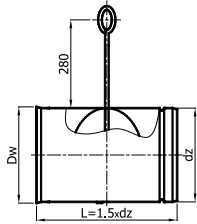
| "Spiro" diameter | ø125-3xø80 | ø125-3xø100 | ø150-3xø100 | ø150-3xø125 |
|------------------|------------|-------------|-------------|-------------|
| dz1 / dz2 | 123/78 | 123/98 | 148/98 | 148/123 |
| Weight [kg] | 0.85 | 0.88 | 1.05 | 1.18 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

CZOR x/3x y/45 - OC



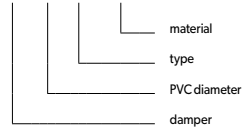
13. DAMPER PJS/1 (FOR PVC PIPES)



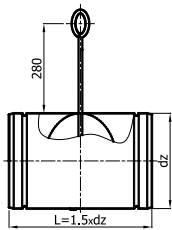
| "Spiro" diameter | ø110 | ø160 | ø200 |
|------------------|------|------|------|
| dz | 108 | 158 | 198 |
| Dw | 110 | 160 | 200 |
| Weight [kg] | 0.29 | 0.58 | 0.96 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

PJS x/1 - OC



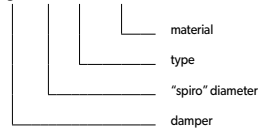
14. DAMPER PJS/2



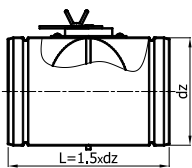
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.18 | 0.26 | 0.29 | 0.30 | 0.33 | 0.35 | 0.38 | 0.45 | 0.50 | 0.58 | 0.71 | 0.84 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

PJS x/2 - OC



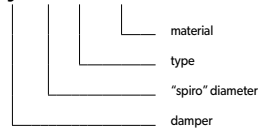
15. DAMPER PJS/3



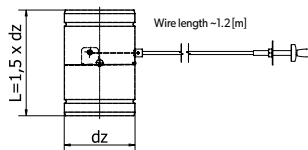
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.18 | 0.26 | 0.29 | 0.30 | 0.33 | 0.35 | 0.38 | 0.45 | 0.50 | 0.58 | 0.71 | 0.84 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

PJS x/3 - OC



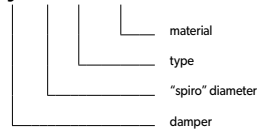
16. DAMPER WITH WIRE CORD PJS/C



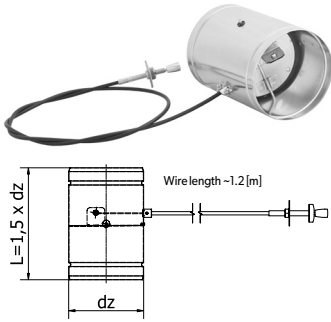
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.38 | 0.46 | 0.50 | 0.52 | 0.55 | 0.58 | 0.60 | 0.64 | 0.70 | 0.77 | 0.93 | 1.15 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

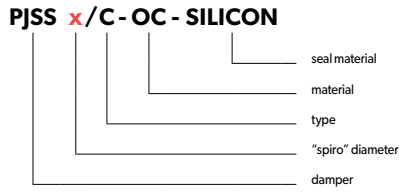
PJS x/C - OC



17. DAMPER WITH WIRE CORD AND SEAL PJSS

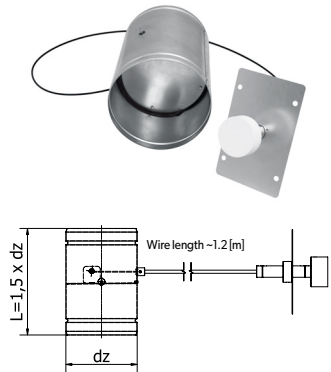


| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.45 | 0.50 | 0.57 | 0.59 | 0.62 | 0.66 | 0.67 | 0.73 | 0.80 | 0.87 | 1.03 | 1.25 |

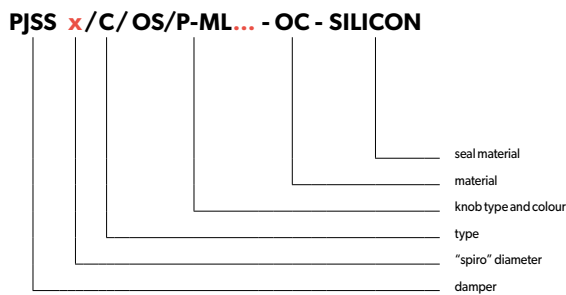


| | | |
|-----------------|----|---|
| Destination | W | W - ventilation |
| | O | O - air heating |
| PJSS/...SILICON | W | Maximal temperature of flowing air: 150°C |
| | O | |
| Material | OC | OC - galvanised steel sheet |

18. DAMPER WITH WIRE CORD AND SEAL PJSS/C/OS

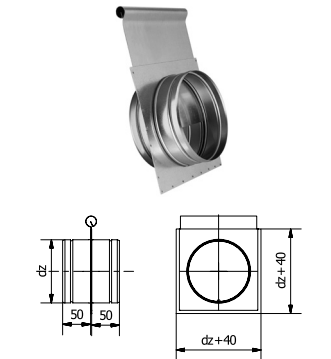


| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.45 | 0.50 | 0.57 | 0.59 | 0.62 | 0.66 | 0.67 | 0.73 | 0.80 | 0.87 | 1.03 | 1.25 |

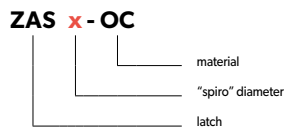


| | | |
|-----------------|----|---|
| Destination | W | W - ventilation |
| | O | O - air heating |
| PJSS/...SILICON | W | Maximal temperature of flowing air: 150°C |
| | O | |
| Material | OC | OC - galvanised steel sheet |
| Knob colour | ML | B - white |
| | ML | CZ - black |

19. LATCH ZAS

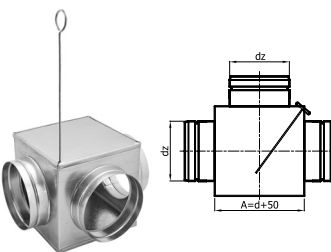


| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.20 | 0.30 | 0.35 | 0.38 | 0.40 | 0.43 | 0.45 | 0.50 | 0.55 | 0.60 | 0.75 | 0.90 |

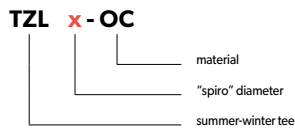


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

20. SUMMER-WINTER TEE TZL



| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.60 | 0.75 | 0.85 | 0.90 | 0.95 | 1.00 | 1.05 | 1.15 | 1.25 | 1.35 | 1.50 | 1.65 |

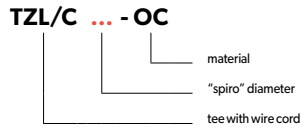
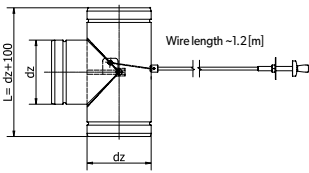


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

21. SUMMER-WINTER TEE WITH WIRE CORD TZL/C



| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.53 | 0.60 | 0.65 | 0.68 | 0.70 | 0.73 | 0.75 | 0.80 | 0.87 | 0.92 | 1.02 | 1.10 |

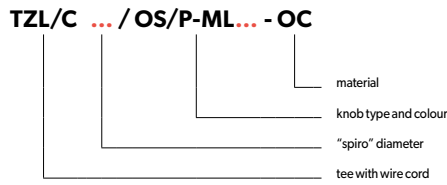
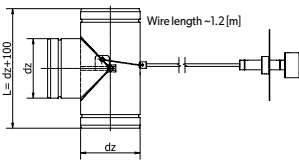


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

22. SUMMER-WINTER TEE WITH WIRE CORD TZL/C/OS



| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.53 | 0.60 | 0.65 | 0.68 | 0.70 | 0.73 | 0.75 | 0.80 | 0.87 | 0.92 | 1.02 | 1.10 |

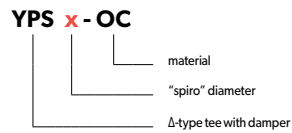
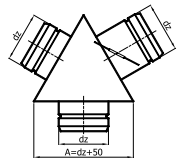


| | | | |
|-------------|----|----|-----------------------------|
| Destination | W | - | W - ventilation |
| | - | O | O - air heating |
| Material | OC | OC | OC - galvanised steel sheet |
| | ML | ML | B - white |
| Knob colour | ML | ML | CZ - black |

23. Δ-TYPE TEE WITH DAMPER YPS



| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.45 | 0.55 | 0.65 | 0.68 | 0.71 | 0.75 | 0.80 | 0.85 | 0.95 | 1.00 | 1.15 | 1.30 |

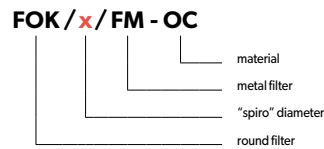
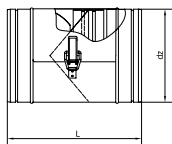


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

24. ROUND FILTER (CHANNEL TYPE) FOK

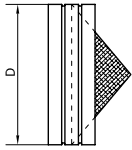
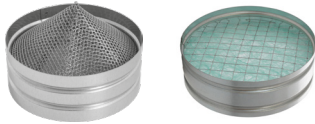


| | | | | | | |
|------------------|------|------|------|------|------|------|
| "Spiro" diameter | ø100 | ø125 | ø150 | ø160 | ø180 | ø200 |
| dz | 98 | 123 | 148 | 158 | 178 | 198 |
| L | 200 | 210 | 225 | 230 | 240 | 250 |
| Weight [kg] | 0.60 | 0.90 | 1.20 | 1.30 | 1.40 | 1.50 |

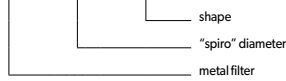


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |
| | FM | FM - metal filter |

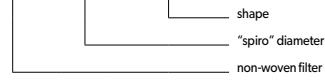
25. ROUND FILTER (CHANNEL TYPE) - REPLACEMENT FILTER FOK



FM-FOK - x - STOZEK



FW-FOK - x - PASTYLKA

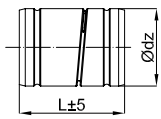


| "Spiro" diameter | ø100 | ø125 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|
| D | 97 | 122 | 147 | 157 | 177 | 197 |
| Weight [kg] | 0.11 | 0.17 | 0.23 | 0.25 | 0.28 | 0.30 |

| Destination | W | W - ventilation |
|-------------|----|-----------------------------|
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

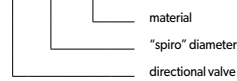
- Temperature resistance:
- FM: 250°C
 - FW: 120°C

26. DIRECTIONAL VALVE ZZ



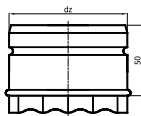
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 | ø250 | ø315 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 | 248 | 313 |
| L | 103 | 103 | 103 | 117 | 117 | 117 | 117 | 134 | 134 | 152 | 172 | 192 | 242 | 305 |
| Weight [kg] | 0.16 | 0.20 | 0.23 | 0.26 | 0.28 | 0.30 | 0.31 | 0.38 | 0.40 | 0.47 | 0.60 | 0.72 | 1.13 | 1.78 |

ZZ x - CH



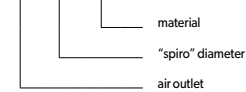
| Destination | W | W - ventilation |
|-------------|----|--------------------------------|
| | O | O - air heating |
| Material | CH | CH - chrome-nickel steel sheet |

27. AIR OUTLET KSP



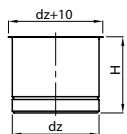
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.10 | 0.10 | 0.10 | 0.12 | 0.12 | 0.14 | 0.16 |

KSP x - OC



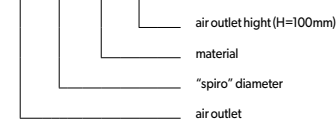
| Destination | W | W - ventilation |
|-------------|----|-----------------------------|
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

28. AIR OUTLET KSP/H



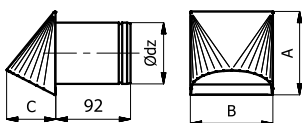
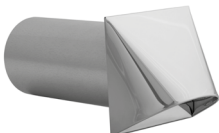
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.10 | 0.13 | 0.14 | 0.14 | 0.15 | 0.16 | 0.16 | 0.18 | 0.19 | 0.20 | 0.23 | 0.25 |

KSP x - OC / H



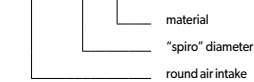
| Destination | W | W - ventilation |
|-------------|----|-----------------------------|
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

29. ROUND AIR INTAKE CZNP



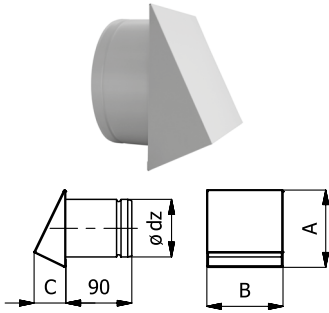
| "Spiro" diameter | ø80 | ø100 | ø110 | ø125 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|
| dz | 79 | 99 | 108 | 123 | 148 | 158 | 178 | 198 |
| A | 105 | 147 | 147 | 147 | 197 | 197 | 228 | 228 |
| B | 104 | 146 | 146 | 146 | 196 | 196 | 226 | 226 |
| C | 62 | 87 | 87 | 87 | 117 | 117 | 134 | 134 |
| Weight [kg] | 0.48 | 0.53 | 0.53 | 0.62 | 0.78 | 0.80 | 0.85 | 0.95 |

CZNP x - m

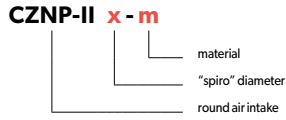


| Destination | W | W - ventilation |
|-------------|----|---|
| | CH | CH - chrome-nickel steel sheet |
| Material | OC | OC - galvanised steel sheet |
| | ML | ML - galvanised steel sheet powder coated |
| | | ML.B - white color ML.GR/7016 - grey color |

30. ROUND AIR INTAKE CZNP II

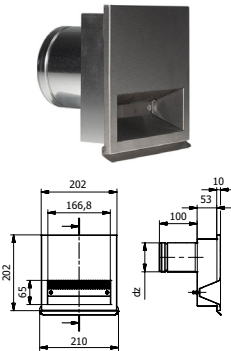


| "Spiro" diameter | ø80 | ø100 | ø110 | ø125 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|
| dz | 79 | 99 | 108 | 123 | 148 | 158 | 178 | 198 |
| A | 106 | 147 | 147 | 147 | 197 | 197 | 228 | 228 |
| B | 104 | 146 | 146 | 146 | 196 | 196 | 226 | 226 |
| C | 44 | 60 | 60 | 60 | 80 | 80 | 91 | 91 |
| Weight [kg] | 0.21 | 0.33 | 0.34 | 0.34 | 0.54 | 0.54 | 0.67 | 0.67 |

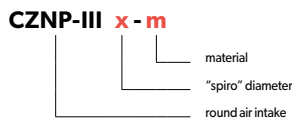


| | | |
|-------------|----|--|
| Destination | W | W - ventilation |
| Material | CH | CH - chrome-nickel steel sheet |
| | OC | OC - galvanised steel sheet |
| | ML | ML - galvanised steel sheet powder coated ML.B - white color ML.GR/7016 - grey color |

31. ROUND AIR INTAKE CZNP II

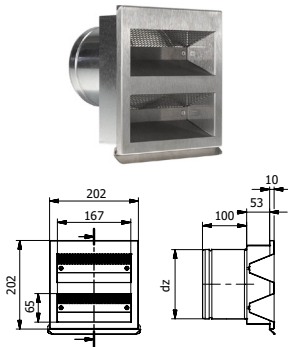


| "Spiro" diameter | ø80 | ø100 | ø110 | ø125 | ø150 | ø160 |
|------------------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 123 | 148 | 158 |
| Weight [kg] | 0.72 | 0.73 | 0.74 | 0.75 | 0.76 | 0.76 |

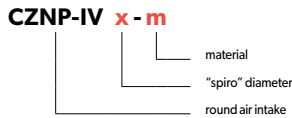


| | | |
|-------------|----|--|
| Destination | W | W - ventilation |
| Material | CH | CH - chrome-nickel steel sheet |
| | ML | ML - galvanised steel sheet powder coated ML.B - white color ML.GR/7016 - grey color |

32. ROUND AIR INTAKE CZNP II

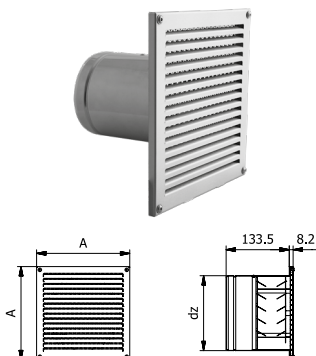


| "Spiro" diameter | ø80 | ø100 | ø110 | ø125 | ø150 | ø160 |
|------------------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 123 | 148 | 158 |
| Weight [kg] | 0.73 | 0.75 | 0.75 | 0.76 | 0.77 | 0.77 |

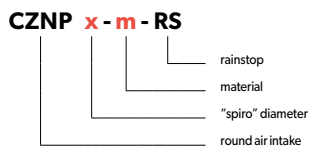


| | | |
|-------------|----|--|
| Destination | W | W - ventilation |
| Material | CH | CH - chrome-nickel steel sheet |
| | ML | ML - galvanised steel sheet powder coated ML.B - white color ML.GR/7016 - grey color |

33. ROUND AIR INTAKE RAINSTOP CZNP-RS

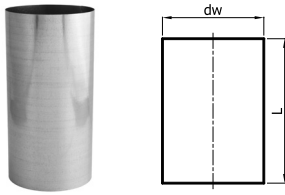


| "Spiro" diameter | ø80 | ø100 | ø110 | ø125 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|
| dz | 79 | 99 | 108 | 123 | 148 | 158 | 178 | 198 |
| A | 197 | 197 | 197 | 197 | 197 | 197 | 227 | 227 |
| Weight [kg] | 0.60 | 0.70 | 0.70 | 0.80 | 0.90 | 0.90 | 1.10 | 1.30 |



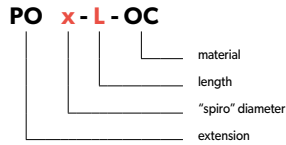
| | | |
|-------------|----|--|
| Destination | W | W - ventilation |
| Material | CH | CH - chrome-nickel steel sheet |
| | ML | ML - chrome-nickel sheet powder coated |

34. EXTENSION PO



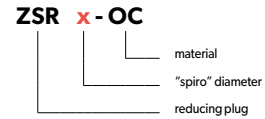
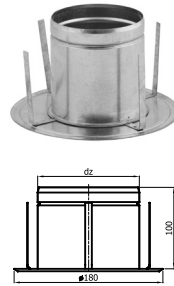
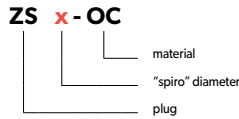
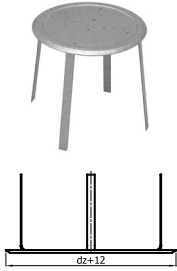
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| dw | 79.4 | 99.4 | 109.3 | 114.4 | 119.3 | 124.3 | 129.5 | 139.4 | 149.4 | 159.3 | 179.3 | 199.4 |

Available lengths L = 150, 200, 250 [mm]



| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

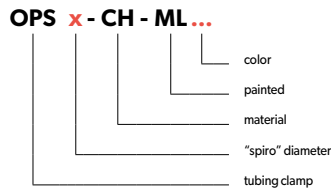
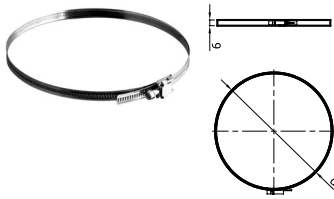
35. PLUGS ZS AND ZSR



| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.11 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.17 | 0.18 | 0.20 | 0.22 | 0.26 | 0.31 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

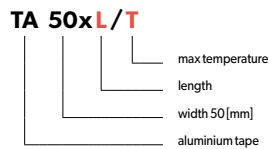
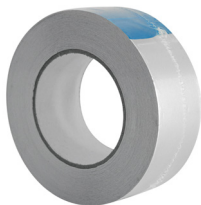
36. TUBING CLAMP OPS



| | | |
|--------------------------|---------|----------|
| "Spiro" d diameter range | ø80-160 | ø160-200 |
| Weight [kg] | 0.025 | 0.032 |

| | | |
|-------------|----|--------------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | CH | CH - chrome-nickel steel sheet |
| Color | CZ | black |
| | SZ | grey |

37. ALUMINIUM TAPE TA50

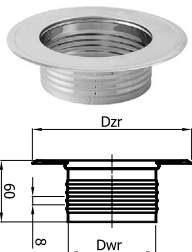


| Symbol | Length L [m] | | | Weight [kg] |
|--------------|--------------|------|------|-------------|
| | 5 | 10 | 50 | |
| | TA50x.../150 | 0.11 | 0.48 | |
| TA50x.../350 | 0.07 | 0.11 | 0.48 | |

TA50x.../150 - max. working temperature: 150 [°C]
TA50x.../350 - max. inst. temperature: 350 [°C]

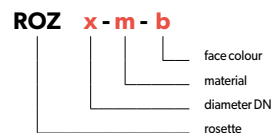
| | | |
|-------------|----|-----------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | AL | AL - aluminium |

38. ROSETTE ROZ



| Diameter DN | ø80 | ø85 | ø90 | ø95 | ø100 | ø105 | ø110 | ø115 | ø120 | ø125 | ø130 | ø135 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Dwr [mm] | 86 | 91 | 96 | 101 | 106 | 111 | 116 | 121 | 126 | 131 | 136 | 141 |
| Dzr [mm] | 157 | 162 | 167 | 172 | 177 | 182 | 187 | 192 | 207 | 212 | 217 | 222 |
| Weight [kg] | 0.12 | 0.12 | 0.13 | 0.13 | 0.14 | 0.15 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.20 |

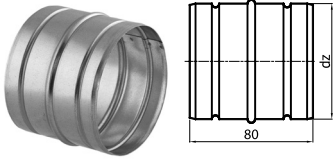
| Diameter DN | ø140 | ø145 | ø150 | ø160 | ø180 | ø200 | ø225 | ø250 | ø280 | ø300 | ø315 | ø350 | ø400 | ø450 | ø500 |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Dwr [mm] | 146 | 151 | 156 | 166 | 186 | 206 | 231 | 256 | 286 | 306 | 321 | 356 | 406 | 456 | 506 |
| Dzr [mm] | 227 | 242 | 247 | 257 | 277 | 297 | 322 | 347 | 377 | 397 | 412 | 448 | 498 | 548 | 598 |
| Weight [kg] | 0.21 | 0.22 | 0.23 | 0.25 | 0.28 | 0.30 | 0.34 | 0.37 | 0.41 | 0.44 | 0.46 | 0.51 | 0.58 | 0.65 | 0.72 |



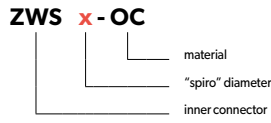
| | | | | |
|-----------------|----|----|----|--------------------------------|
| Destination | W | W | W | W - ventilation ducts |
| | CH | - | - | CH - chrome steel H17 |
| | - | OC | - | OC - galvanised steel sheet |
| Material | - | - | ML | ML - mild steel powder coated* |
| Sheet thickness | 5 | 5 | 5 | 5 - sheet thickness 0.5 mm |

* powder coated - white colour standard

39. INNER CONNECTOR ZWS

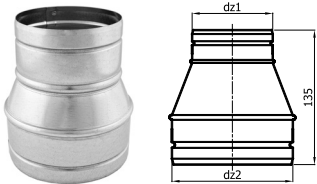


| | | | | | | | | | | | | |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| Weight [kg] | 0.10 | 0.12 | 0.13 | 0.14 | 0.15 | 0.16 | 0.16 | 0.17 | 0.19 | 0.20 | 0.23 | 0.26 |

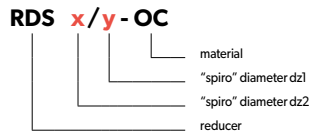


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

40. REDUCER RDS

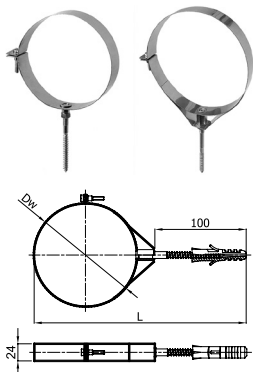


| | | | | | | | | | | | | |
|------------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| "Spiro" diameter | ø80 | ø100 | ø110 | ø115 | ø120 | ø125 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 |
| dz1 | 78 | 98 | 108 | 113 | 118 | 123 | 128 | 138 | 148 | 158 | 178 | 198 |
| dz2 | 98 | 108 | 113 | 118 | 123 | 128 | 133 | 143 | 158 | 178 | 198 | 223 |

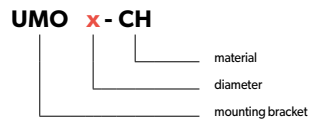


| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |

41. MOUNTING BRACKET UMO

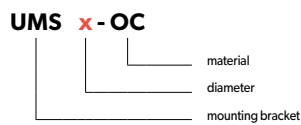
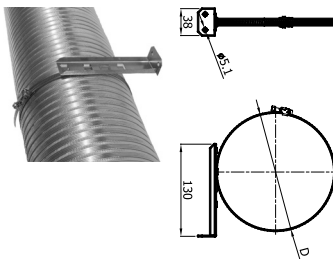


| | | | | | | | | | | | |
|-------------|------|------|------|------|------|------|------|------|------|------|------|
| Diameter DN | ø80 | ø100 | ø110 | ø120 | ø130 | ø140 | ø150 | ø160 | ø180 | ø200 | ø250 |
| Dw | 80 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 180 | 200 | 250 |
| L | 180 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 280 | 300 | 350 |
| Weight [kg] | 0.08 | 0.10 | 0.12 | 0.12 | 0.12 | 0.13 | 0.14 | 0.21 | 0.28 | 0.30 | 0.34 |



| | | |
|-------------|----|---------------------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | CH | CH - chrome-nickel steel sheet 1.4301 |

42. MOUNTING BRACKET WITH TUBING CLAMP UMS



| | |
|--------------------------|---------|
| "Spiro" d diameter range | ø80-160 |
| Weight [kg] | 0.07 |

| | | |
|-------------|----|-----------------------------|
| Destination | W | W - ventilation |
| | O | O - air heating |
| Material | OC | OC - galvanised steel sheet |