

## W-DN CEILING NAIL

33.1

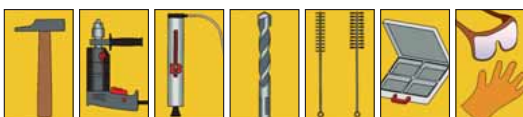
Performance data		
<b>Anchor diameter [in mm]</b>		<b>6</b>
<b>Multiple attachment of non-load-bearing systems in concrete</b> (for all loading directions)	<b>F<sub>perm.</sub> [kN] ≥ C20/25 and ≤ C50/60</b> <sup>1)</sup>	2.4
<b>Permissible bending torque</b>	<b>M<sub>perm.</sub> [in Nm]</b>	3.1
<b>Perm. loading under fire load</b> (Technical Report TR 020) For axial and edge clearances, see European Technical Approval ETA-06/0259	<b>R30; F<sub>perm.</sub> [in kN]</b> <sup>2)</sup>	0.8
	<b>R60; F<sub>perm.</sub> [in kN]</b> <sup>2)</sup>	0.7
	<b>R90; F<sub>perm.</sub> [in kN]</b> <sup>2)</sup>	0.6
	<b>R120; F<sub>perm.</sub> [in kN]</b> <sup>2)</sup>	0.4

Characteristic values		
<b>Axial clearance</b>	<b>s<sub>cr</sub> [in mm]</b>	200
<b>Edge clearance</b>	<b>c<sub>cr</sub> [in mm]</b>	150
<b>Minimum component thickness</b>	<b>h<sub>min</sub> [in mm]</b>	80
<b>Effective anchoring depth</b>	<b>h<sub>ef</sub> [in mm]</b>	32
<b>Nom. drill dia.</b> <sup>3)</sup>	<b>d<sub>0</sub> [in mm]</b>	6
<b>Drill cutting edge dia.</b> <sup>3)</sup>	<b>d<sub>cut≤</sub> [in mm]</b>	6.4
<b>Drilled hole depth</b>	<b>h<sub>0≥</sub> [in mm]</b>	40
<b>Through-hole in the component being connected</b>	<b>d<sub>f≤</sub> [in mm]</b>	7

Anchor dimensions			
<b>Max. attachment height</b>	<b>t<sub>fix</sub> [in mm]</b>	5	35
<b>Designation</b>		<b>W-DN 6-5</b>	<b>W-DN 6-35</b>
<b>W-DN Ceiling Nail, galvanized steel</b>	<b>Art. No.</b>	<b>0905 364 5</b>	<b>0905 36 35</b>
<b>Packing unit</b>	<b>P. Qty.</b>	200	200

Storable in <sup>®</sup>ORSY

### Würth system components



<sup>1)</sup> The part safety coefficients of the resistances regulated in the approval and a part safety coefficient of the effects of  $\gamma_f = 1.4$  have been taken into account.

For the combination of tensile and transverse loads, for edge influence and anchor groups, please refer to the Directive for European Technical Approval (ETAG) Appendix C.

<sup>2)</sup> The part safety coefficients for the load-bearing capacity under a fire load of  $\gamma_{M,fi} = 1.0$  and the part safety coefficient of the effects of  $\gamma_f = 1.0$  recommended in the approval are taken into account.

<sup>3)</sup> The carbide hammer drill bits must comply with the specifications of the information leaflet of the "Deutsches Institut für Bautechnik" (German Institute for Building Technology) and the "Fachverband Werkzeugindustrie e. V." (Professional Association of the Tool Industry) on the "Characteristics, requirements and tests of masonry drills with carbide cutting bodies used for producing drilled holes of dowel anchors". Würth hammer drill bits comply with the specifications of the data sheet.