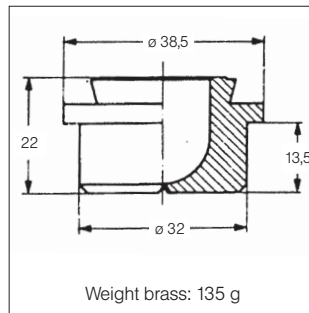


FLAT FAN DOVETAIL NOZZLES

The 669 series nozzles come with the conventional, automatic self-aligning dovetail connection which ensures that every nozzle will always be installed under the correct spray offset angle towards the roll center line.



This nozzle family allow very large flow rates for roughing mill, plate mill and strip cooling applications.



Weight brass: 135 g

Spray width [B] at p=3 bar

	H	
	250 mm	500 mm
669.041 - 664.281	115	210
669.042 - 669.282	160	310
669.043 - 669.283	250	490
665.042 - 665.202	340	640

All tips have an automatically built in 15° offset angle if the welding nipple is welded in line with the centre line of the spray header. Any other offset angle has to be compensated for by welding the nipple under a different angle (minus the 15° inbuilt offset angle).

Ordering no.				Mat. no.		E Ø [mm]	V̇ [l/min]							
Type				16 303 SS	30 Brass		p [bar]							
15°	30°	45°	60°				0,5	1,0	2,0	40* psi	3,0	5,0	7,0	10,0
669.041	669.042	669.043	669.044	○	○	5,5 - 6,5	20,00	28,28	40,00	12,41	48,99	63,25	74,83	89,44
669.121	669.122	669.123	669.124	○	○	7,3 - 8,3	31,50	44,55	63,00	15,50	77,16	99,61	117,86	140,87
669.201	669.202	669.203	669.204	○	○	9,5 - 10,6	50,00	71,00	100,00	31,00	122,00	158,00	187,00	224,00
669.281	669.282	669.283	669.284	○	○	9,4 - 13	80,00	113,00	160,00	49,60	196,00	253,00	299,00	358,00

E = Narrowest free cross section. * US gal/min

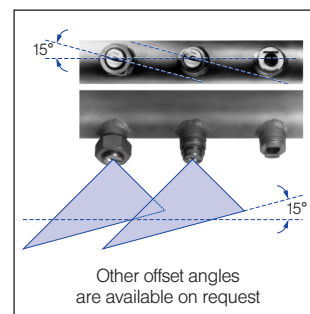
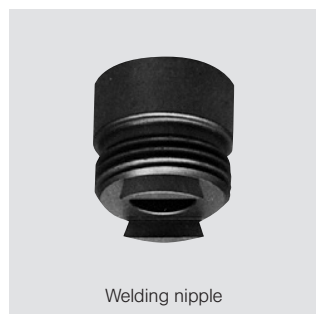
Subject to technical modifications

The spray has a parabolic liquid distribution which is ideal for a multi nozzle header arrangement.

Example Type + Material-no. = Ordering no.
 for Ordering: 669.041 + 16 = 669.041.16

Conversional formula for the above series: $\dot{V}_2 = \dot{V}_1 * \sqrt{\frac{p_2}{p_1}}$

Accessories



Technical data and ordering data for accessories see page 13.