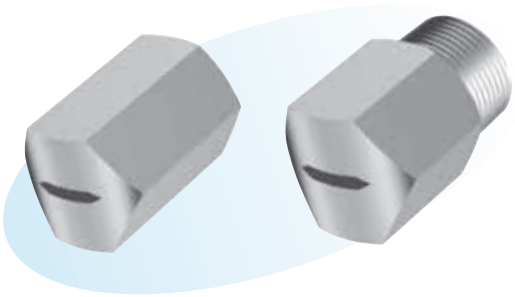
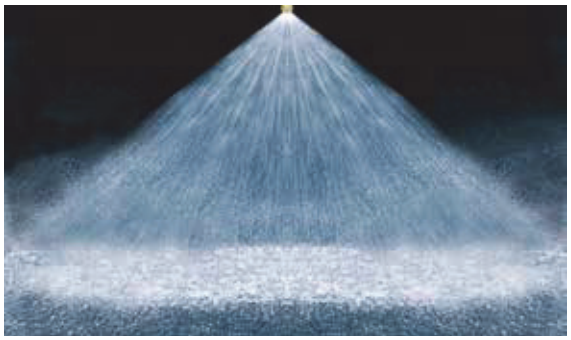
Extra Thickening Flat Spray Nozzle





▶ Features

- Uniform flow distribution over a wide range of spray angle, in order to cool wide steel products.
- Wider spray pattern in width than other flat spray nozzle.

▶ Applications

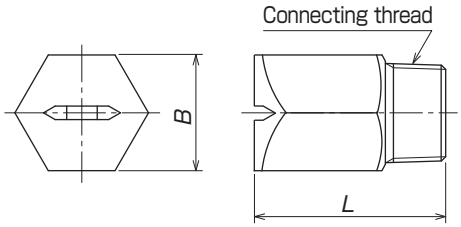
- Cooling of rolls, steel sheets, steel billets, etc.

▶ Materials

- 303 Stainless steel

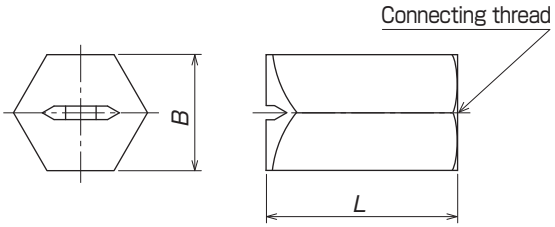
Shapes and dimensions

● KSTF, Male thread type



Model	Dimension [mm]		Connecting thread	Weight [g]
	B	*L*		
¾ KSTF	32	50	R ¾	230
1 KSTF	38	60	R 1	400
1¼ KSTF	46	75	R 1¼	730
1½ KSTF	50	90	R 1½	1030

● KSTF····H, Female thread type



Model	Dimension [mm]		Connecting thread	Weight [g]
	B	*L*		
⅜ KSTF····H	19	30	Rc ⅜	50
½ KSTF····H	24	40	Rc ½	110
¾ KSTF····H	32	50	Rc ¾	240

＊NPT thread is also available.

●Model and Model Number representing

1/2 K S T F 25110 H

Thread size — Model number

Standard type model number list

●: Model availability

Thread size	Model		Model number	Minimum orifice diameter [mm]	Flow rate [L/min] at following pressure [MPa]							Spray angle at 0.3 MPa
	Male	Female			0.1	0.2	0.3	0.5	0.7	1.0	1.5	
	KSTF	KSTF···H										
3/8		●	0698	1.7	3.5	4.9	6.0	7.7	9.2	11.0	13.4	98°
		●	11122	1.4	6.4	9.0	11.0	14.2	16.8	20.1	24.6	122°
		●	13106	2.7	7.5	10.6	13.0	16.8	19.9	23.7	29.1	106°
1/2		●	20145	2.3	11.5	16.3	20.0	25.8	30.6	36.5	44.7	145°
		●	25110	2.6	14.4	20.4	25.0	32.3	38.2	45.6	55.9	110°
		●	33130	3.4	19.1	26.9	33.0	42.6	50.4	60.2	73.8	130°
3/4	●	●	8580	6.5	49.1	69.4	85.0	110	130	155	190	80°
	●		108100	7.0	62.4	88.2	108	139	165	197	241	100°
1	●		120115	7.0	69.3	98.0	120	155	183	219	268	115°
	●		130115	8.0	75.1	106	130	168	199	237	291	115°
1 1/4	●		12367	9.8	71.0	100	123	158	187	224	274	67°
	●		17970	9.0	103	146	179	231	273	327	400	70°
1 1/2	●		210100	14.0	121	171	210	271	321	383	470	100°
	●		245120	12.0	141	200	245	316	374	447	548	120°

Performance data

Flow distribution

Nozzle model number 3/4 KSTF 27139 HU

Test condition	Pressure [MPa]	Flow rate [L/min]
1	0.022	6.7
2	0.165	20.2
3	0.475	33.6

