

Tango HP-1



Properties and advantages

- Extremely durable
- Low maintenance
- Completely made of stainless steel
- Compact design
- Easy to handle
- Optimal bilateral bearing radial as well as axial
- Designed for operation in harsh environments

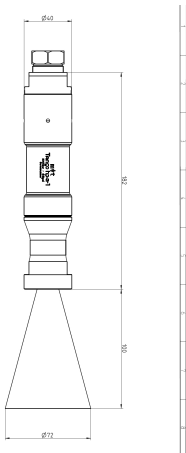
Applications

- Surface cleaning
- Cleaning and removing flash from castings
- Offshore deployment
- Concrete restoration and removal
- Removal of surface coatings
- Removal of bitumen layers
- Paint removal

Description

The rotating nozzle has a patented HP sealing system and is extremely durable and low maintenance. Completely made of stainless steel. Compact design. Easy to handle. The unbeatable double-sided bearing of the rotary shaft, both radial and axial, provides perfect and best possible robustness for operation in harsh environments. The outer dimensions are only Ø40x180mm. Due to the symmetrical arrangement of the nozzles there is no imbalance and therefore no vibrations, thus reducing wear and noise levels. Due to the needle system much fewer components are needed, thus increasing the life span and reducing the maintenance of the rotating nozzle to a minimum. The Tango rotating nozzle is the perfect tool for surface treatment. It can be used with all approved high pressure fittings and mounted on lances.

For safety reasons, manual adjustment of the brake was deliberately omitted. Possible injuries by the operator are thus eliminated. The braking effect is designed and calculated in such a way that as the pressure increases, the rotation levels off up to 4000 rpm.



CHARACTERISTICS	TYPE
	TANGO
Operating pressure (bar)	max. 3000
Operating temp. (°C)	max. 100°
Tightening torque (Nm)	max. 75
Flow Rate	max 75 - 3000 bar
Nozzle Ø (mm)	mvt 964
Total weight (Kg)	1.2

ART. NO. (1)	ARTICLE
33042._ _	9/16"-18 UNF
33043._ _	M14x1.5 LH

Performance

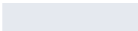
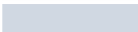

ART. NO.	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR						
			psi 21750	psi 25375	psi 29000	psi 32625	psi 36250	psi 39875	psi 43500
			bar 1500	bar 1750	bar 2000	bar 2250	bar 2500	bar 2750	bar 3000
			FLOW RATE IN L/MIN						
___0100	0002	0.10	0.171	0.184	0.196	0.207	0.217	0.227	0.237
___0125	0003	0.125	0.267	0.287	0.306	0.323	0.340	0.355	0.370
___0150	0004	0.15	0.385	0.414	0.441	0.466	0.489	0.511	0.532
___0175	0006	0.175	0.523	0.563	0.600	0.634	0.666	0.696	0.725
___0200	0008	0.20	0.684	0.736	0.784	0.828	0.870	0.909	0.946
___0250	0012	0.25	1.068	1.149	1.224	1.294	1.359	1.421	1.479
___0300	0017	0.30	1.538	1.655	1.763	1.863	1.957	2.046	2.130
___0350	0024	0.35	2.155	2.319	2.470	2.611	2.742	2.866	2.984
___0400	0032	0.40	2.815	3.029	3.226	3.410	3.582	3.744	3.897
___0450	0040	0.45	3.563	3.834	4.083	4.315	4.533	4.738	4.933
___0500	0049	0.50	4.399	4.733	5.041	5.328	5.596	5.850	6.090
___0550	0060	0.55	5.322	5.727	6.100	6.447	6.772	7.078	7.368
___0600	0071	0.60	6.334	6.815	7.259	7.672	8.059	8.423	8.769
___0650	0083	0.65	7.434	7.999	8.519	9.004	9.458	9.886	10.291
___0700	0097	0.70	8.621	9.277	9.881	10.442	10.969	11.465	11.936
___0750	0111	0.75	9.897	10.649	11.342	11.987	12.592	13.162	13.702
___0800	0128	0.80	11.421	12.289	13.090	13.834	14.531	15.189	15.812
___0850	0145	0.85	12.893	13.874	14.777	15.617	16.404	17.147	17.850
___0900	0162	0.90	14.455	15.554	16.566	17.508	18.391	19.223	20.012
___0950	0183	0.95	16.332	17.574	18.718	19.782	20.780	21.720	22.611
___1000	0209	1.00	18.600	20.014	21.317	22.529	23.664	24.735	25.750
___1100	0253	1.10	22.505	24.216	25.793	27.260	28.634	29.930	31.158
___1200	0301	1.20	26.783	28.820	30.696	32.441	34.077	35.619	37.080
___1300	0353	1.30	31.433	33.823	36.025	38.073	39.993	41.803	43.518
___1400	0409	1.40	36.455	39.227	41.780	44.156	46.382	48.481	50.470
___1500	0470	1.50	41.849	45.031	47.962	50.689	53.245	55.654	57.938
___1600	0535	1.60	47.615	51.235	54.570	57.673	60.581	63.322	65.920
___1700	0604	1.70	53.753	57.839	61.605	65.107	68.390	71.485	74.418
___1800	0677	1.80	60.263	64.844	69.066	72.992	76.673	80.142	83.431
___1900	0754	1.90	67.144	72.249	76.953	81.328	85.428	89.295	92.958
___2000	0836	2.00	74.398	80.055	85.266	90.114	94.658	98.941	103.001
___2100	0921	2.10	82.024	88.260	94.006	99.351	104.360	109.083	113.558
___2200	1079	2.20	96.104	103.411	110.143	116.406	122.274	127.808	133.052
___2300	1180	2.30	105.040	113.026	120.384	127.228	133.643	139.691	145.422

Order example

ART. NO. (1)	ART. NO. (2)	
33042. __	___0100	33042.0100

Instructions

When manually operating high pressure guns and lances the repulsive force on the axis should not exceed 250N! If the repulsive force exceeds 150N, a support / body armour is required!

	< 150 N
	< 250 N
	> 250 N