

Abrasive Hose - Plaster Delivery

Description - Heavy-duty abrasive delivery hose designed for continuous transfer of dry materials such as sand, plaster, cement, mortar and powders. Built with thick abrasion-resistant rubber and high-strength textile/steel support to handle constant impact and 40-bar service pressure.

Application

Sandblasting lines, cement & plaster transfer, mortar delivery, and dry bulk movement in construction, shipyards, and industrial facilities.

Standard / Approval

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Flow Medium

Sand, plaster, cement, dry powders, mortar

Working Pressure

40 Bar / 580.15 psi

Bursting Pressure

120 Bar / 1740.45 psi

Abrasive Hose

Suction & Delivery Hose

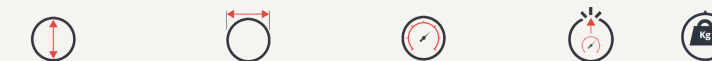
Overview

TOTFLEX abrasive hoses are rubber hoses used for transferring and discharging sand, cement, powder, plaster, mortar, and dry solid materials, offered in discharge, suction-discharge, and corrugated/channeled types. The range includes plaster hoses (40 bar), sand hoses (12 bar), cement hoses (10 bar), and silo hoses (5 bar), each supplied in 61-meter lengths.



Range for Abrasive Hoses

01	Plaster Delivery	14
02	Sandblast Discharge	15
03	Sandblast Suction & Discharge ..	16
04	Sandblast Knotted & Channeled	17
05	Cement Discharge	18
06	Cement Suction & Discharge	19
07	Cement Knotted & Channeled	20
08	Silo Truck Discharge	21



Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	31	1.22	40	580.15	120	1740.45	540
20		32	1.26	40	580.15	120	1740.45	570
22	0.88	34	1.34	40	580.15	120	1740.45	610
25,4	1.00	37	1.46	40	580.15	120	1740.45	660
25,4	1.00	38	1.50	40	580.15	120	1740.45	725
28,5	1.13	42	1.65	40	580.15	120	1740.45	860
30	1.19	44	1.73	40	580.15	120	1740.45	940
32	1.25	46	1.81	40	580.15	120	1740.45	990
35	1.38	49	1.93	40	580.15	120	1740.45	1065
38	1.50	54	2.13	40	580.15	120	1740.45	1330
40	1.56	56	2.20	40	580.15	120	1740.45	1390
42		58	2.28	40	580.15	120	1740.45	1502
44,5	1.75	61	2.40	40	580.15	120	1740.45	1615
48		64	2.52	40	580.15	120	1740.45	1732
50,8	2.00	68	2.68	40	580.15	120	1740.45	1850
55	2.06	74	2.91	40	580.15	120	1740.45	2215
60	2.38	80	3.15	40	580.15	120	1740.45	2530
63,5	2.50	83,5	3.29	40	580.15	120	1740.45	2660
65	2.56	85	3.35	40	580.15	120	1740.45	2710
70	2.75	90	3.54	40	580.15	120	1740.45	2890
76	3.00	96,2	3.79	40	580.15	120	1740.45	3140
80	3.13	100	3.94	40	580.15	120	1740.45	3250
88,9	3.50	110	4.33	40	580.15	120	1740.45	3800
101,6	4.00	122	4.80	40	580.15	120	1740.45	4120
110	4.31	130	5.12	40	580.15	120	1740.45	4350
114	4.50	136	5.35	40	580.15	120	1740.45	5000
127	5.00	155	6.10	40	580.15	120	1740.45	7130

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

-20°C | +80°C
TEMPERATURE RANGE

61 Meter
LENGTH



Abrasive Hose - Sandblast Discharge

Description - Medium-pressure abrasive delivery hose for sandblasting and plaster transfer where flexibility and controlled flow are required. Engineered with abrasion-resistant rubber tube and durable textile reinforcement.

Application

Sandblasting machines, plaster spray systems, dry material transfer in construction finishing

Standard / Approval

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Flow Medium

Sand, plaster, Powders

Working Pressure

12 Bar / 174.45 psi

Bursting Pressure

36 Bar / 522.13 psi





Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	27	1.06	12	174.45	36	522.13	530
16	0.63	30	1.18	12	174.45	36	522.13	650
19	0.75	33	1.30	12	174.45	36	522.13	720
20		34	1.34	12	174.45	36	522.13	740
22	0.88	36	1.42	12	174.45	36	522.13	770
25,4	1.00	39	1.54	12	174.45	36	522.13	790
28,5	1.13	44	1.73	12	174.45	36	522.13	1015
30	1.19	46	1.81	12	174.45	36	522.13	1100
32	1.25	48	1.89	12	174.45	36	522.13	1155
35	1.38	54	2.13	12	174.45	36	522.13	1430
38	1.50	56	2.20	12	174.45	36	522.13	1530
40	1.56	58	2.28	12	174.45	36	522.13	1600
42		60	2.36	12	174.45	36	522.13	1700
44,5	1.75	63	2.48	12	174.45	36	522.13	1800
48		66	2.60	12	174.45	36	522.13	1885
50,8	2.00	69	2.72	12	174.45	36	522.13	1970
55	2.17	74	2.91	12	174.45	36	522.13	2215
60	2.33	78	3.07	12	174.45	36	522.13	2250
63,5	2.50	82	3.23	12	174.45	36	522.13	2430
65	2.56	85	3.35	12	174.45	36	522.13	2710
70	2.75	90	3.54	12	174.45	36	522.13	2900
76	3.00	96	3.78	12	174.45	36	522.13	3110
80	3.13	100	3.94	12	174.45	36	522.13	3250
88.9	3.50	110	4.33	12	174.45	36	522.13	3800
101,6	4.00	124	4.88	12	174.45	36	522.13	4560
110	4.31	132	5.20	12	174.45	36	522.13	4810
114	4.50	138	5.43	12	174.45	36	522.13	5500
127	5.00	154	6.06	12	174.45	36	522.13	6850

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

 -20°C | +70°C
 TEMPERATURE RANGE
 61 Meter
 LENGTH

Abrasive Hose - Sandblast Suction and Discharge

Description - Suction & discharge hose, engineered for both feeding and receiving abrasive materials. Stronger structure provides vacuum support and maintains flexibility under load.

Application

Sandblasting feed & return lines, dual-direction plaster transfer, dry construction materials loading/unloading

Standard / Approval

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Flow Medium

Sand, plaster, Powders

Working Pressure

12 Bar / 174.45 psi

Bursting Pressure

36 Bar / 522.13 psi





Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20		-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25,4	1.00	41	1.61	12	174.45	36	522.13	1100
28,5	1.13	46	1.81	12	174.45	36	522.13	1380
30	1.19	48	1.89	12	174.45	36	522.13	1500
32	1.25	50	1.97	12	174.45	36	522.13	1570
35	1.38	55	2.17	12	174.45	36	522.13	1910
38	1.50	58	2.28	12	174.45	36	522.13	2035
40	1.56	60	2.36	12	174.45	36	522.13	2120
42		62	2.44	12	174.45	36	522.13	2250
44,5	1.75	65	2.56	12	174.45	36	522.13	2380
48		68	2.68	12	174.45	36	522.13	2495
50,8	2.00	71	2.80	12	174.45	36	522.13	2610
55	2.17	75	2.95	12	174.45	36	522.13	2760
60	2.33	80	3.15	12	174.45	36	522.13	2970
63,5	2.50	84	3.31	12	174.45	36	522.13	3200
65	2.56	88	3.46	12	174.45	36	522.13	3730
70	2.75	92	3.62	12	174.45	36	522.13	3780
76	3.00	98	3.86	12	174.45	36	522.13	4060
80	3.13	102	4.02	12	174.45	36	522.13	4250
88.9	3.50	112	4.41	12	174.45	36	522.13	4930
101,6	4.00	124	4.88	12	174.45	36	522.13	5350
110	4.31	132	5.20	12	174.45	36	522.13	5650
114	4.50	136	5.35	12	174.45	36	522.13	5850
127	5.00	152	5.98	12	174.45	36	522.13	7400

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

 -20°C | +80°C
 TEMPERATURE RANGE
 61 Meter
 LENGTH

Abrasive Hose - Sandblast Knotted & Channeled

Description - Corrugated suction & discharge abrasive hose designed for maximum flexibility in confined or mobile environments. Corrugation reduces bending force while keeping full abrasion resistance.

Application

Sandblasting systems requiring flexible hose routing plaster machine hose connections, heavy-use transfer lines.

Standard / Approval

EXCEEDS
TS EN ISO 3861

Flow Medium

Sand, plaster, Powders

Working Pressure

12 Bar / 174.45 psi

Bursting Pressure

36 Bar / 522.13 psi



Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25,4	1.00	41	1.61	12	174.45	36	522.13	1120
28,5	1.13	46	1.81	12	174.45	36	522.13	1350
30	1.19	48	1.89	12	174.45	36	522.13	1500
32	1.25	50	1.97	12	174.45	36	522.13	1600
35	1.38	55	2.17	12	174.45	36	522.13	1950
38	1.50	58	2.28	12	174.45	36	522.13	2100
40	1.56	60	2.36	12	174.45	36	522.13	2200
42	-	62	2.44	12	174.45	36	522.13	2325
44,5	1.75	65	2.56	12	174.45	36	522.13	2450
48	-	68	2.68	12	174.45	36	522.13	2550
50,8	2.00	71	2.80	12	174.45	36	522.13	2650
55	2.17	75	2.95	12	174.45	36	522.13	2800
60	2.33	80	3.15	12	174.45	36	522.13	3050
63,5	2.50	84	3.31	12	174.45	36	522.13	3300
65	2.56	88	3.46	12	174.45	36	522.13	3800
70	2.75	92	3.62	12	174.45	36	522.13	3850
76	3.00	98	3.86	12	174.45	36	522.13	4150
80	3.13	102	4.02	12	174.45	36	522.13	4350
88.9	3.50	112	4.41	12	174.45	36	522.13	5000
101,6	4.00	124	4.88	12	174.45	36	522.13	5500
110	4.31	132	5.20	12	174.45	36	522.13	5800
114	4.50	136	5.35	12	174.45	36	522.13	6000
127	5.00	152	5.98	12	174.45	36	522.13	7550

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

-10°C | +60°C
TEMPERATURE RANGE

61 Meter
LENGTH

Abrasive Hose - Cement Discharge

Description - Abrasion-resistant hose engineered for continuous transfer of cement, lime, dry powders, and granular materials. Conductive design prevents static accumulation during high-flow transfer.

Application

Cement transfer lines, silo feeding lime & powder delivery, construction material transport.

Standard / Approval

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Flow Medium

Cement, lime, powders, dry bulk materials

Working Pressure

10 Bar / 145.03 psi

Bursting Pressure

30 Bar / 435.11 psi



Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25,4	1.00	37	1.46	10	145.03	30	435.11	655
28,5	1.13	40	1.57	10	145.03	30	435.11	720
30	1.19	42	1.65	10	145.03	30	435.11	780
32	1.25	44	1.73	10	145.03	30	435.11	825
35	1.38	47	1.85	10	145.03	30	435.11	890
38	1.50	50	1.97	10	145.03	30	435.11	955
40	1.56	52	2.05	10	145.03	30	435.11	1000
42	-	54	2.13	10	145.03	30	435.11	1075
44,5	1.75	56	2.20	10	145.03	30	435.11	1150
48	-	60	2.36	10	145.03	30	435.11	1290
50,8	2.00	64.5	2.54	10	145.03	30	435.11	1430
55	2.17	68	2.68	10	145.03	30	435.11	1450
60	2.33	74	2.91	10	145.03	30	435.11	1700
63,5	2.50	77	3.03	10	145.03	30	435.11	1850
65	2.56	80	3.15	10	145.03	30	435.11	1970
70	2.75	85	3.35	10	145.03	30	435.11	2100
76	3.00	90	3.54	10	145.03	30	435.11	2430
80	3.13	96	3.78	10	145.03	30	435.11	2550
88.9	3.50	105	4.13	10	145.03	30	435.11	2830
101,6	4.00	118	4.65	10	145.03	30	435.11	3250
110	4.31	126	4.96	10	145.03	30	435.11	3410
114	4.50	134	5.28	10	145.03	30	435.11	4500
127	5.00	146	5.75	10	145.03	30	435.11	4700

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

-20°C | +70°C
TEMPERATURE RANGE

61 Meter
LENGTH

Abrasive Hose - Cement Suction & Discharge

Description - Suction & discharge version designed for both loading and unloading cement and dry materials. Features conductive tube for safe transfer of fine powders.

Application

Silo loading cement truck transfer lines, vacuum loading of dry powders.

Standard / Approval

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Flow Medium

Cement, lime, dry powders

Working Pressure

10 Bar / 145.03 psi

Bursting Pressure

30 Bar / 435.11 psi





Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25.4	1.00	39	1.54	10	145.03	30	435.11	920
28.5	1.13	42	1.65	10	145.03	30	435.11	1000
30	1.19	43	1.69	10	145.03	30	435.11	1050
32	1.25	45	1.77	10	145.03	30	435.11	1100
35	1.38	50	1.97	10	145.03	30	435.11	1350
38	1.50	52	2.05	10	145.03	30	435.11	1400
40	1.56	54	2.13	10	145.03	30	435.11	1450
42	-	57	2.24	10	145.03	30	435.11	1585
44.5	1.75	60	2.36	10	145.03	30	435.11	1720
48	-	63	2.48	10	145.03	30	435.11	1810
50.8	2.00	66	2.60	10	145.03	30	435.11	1900
55	2.17	70	2.76	10	145.03	30	435.11	2000
60	2.33	75	2.95	10	145.03	30	435.11	2150
63.5	2.50	78.5	3.09	10	145.03	30	435.11	2260
65	2.56	81	3.19	10	145.03	30	435.11	2500
70	2.75	86	3.39	10	145.03	30	435.11	2650
76	3.00	92	3.62	10	145.03	30	435.11	2850
80	3.13	98	3.86	10	145.03	30	435.11	3400
88.9	3.50	107	4.21	10	145.03	30	435.11	3800
101.6	4.00	120	4.72	10	145.03	30	435.11	4350
110	4.31	128	5.04	10	145.03	30	435.11	4550
114	4.50	136	5.35	10	145.03	30	435.11	5850
127	5.00	149	5.87	10	145.03	30	435.11	6500

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

 -10°C | +60°C
 TEMPERATURE RANGE

 61 Meter
 LENGTH

Abrasive Hose - Cement Knotted & Channeled

Description - Corrugated S&D cement hose offering maximum flexibility while maintaining full abrasion and conduction performance. Ideal for mobile loading systems.

Application

Cement suction lines on trucks, flexible silo-to-machine connections, portable powder transfer hoses.

Standard / Approval

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Flow Medium

Cement, lime, dry powders

Working Pressure

10 Bar / 145.03 psi

Bursting Pressure

30 Bar / 435.11 psi





Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12.7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25.4	1.00	39	1.54	10	145.03	30	435.11	920
28.5	1.13	42	1.65	10	145.03	30	435.11	1000
30	1.19	43	1.69	10	145.03	30	435.11	1050
32	1.25	45	1.77	10	145.03	30	435.11	1100
35	1.38	50	1.97	10	145.03	30	435.11	1350
38	1.50	52	2.05	10	145.03	30	435.11	1400
40	1.56	54	2.13	10	145.03	30	435.11	1450
42	-	57	2.24	10	145.03	30	435.11	1585
44.5	1.75	60	2.36	10	145.03	30	435.11	1720
48	-	63	2.48	10	145.03	30	435.11	1810
50.8	2.00	66	2.60	10	145.03	30	435.11	1900
55	2.17	70	2.76	10	145.03	30	435.11	2000
60	2.33	75	2.95	10	145.03	30	435.11	2150
63.5	2.50	78.5	3.09	10	145.03	30	435.11	2260
65	2.56	81	3.19	10	145.03	30	435.11	2500
70	2.75	86	3.39	10	145.03	30	435.11	2650
76	3.00	92	3.62	10	145.03	30	435.11	2850
80	3.13	98	3.86	10	145.03	30	435.11	3400
88.9	3.50	107	4.21	10	145.03	30	435.11	3800
101.6	4.00	120	4.72	10	145.03	30	435.11	4350
110	4.31	128	5.04	10	145.03	30	435.11	4550
114	4.50	136	5.35	10	145.03	30	435.11	5850
127	5.00	149	5.87	10	145.03	30	435.11	6500

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

 -20°C | +70°C
 TEMPERATURE RANGE

 61 Meter
 LENGTH

Abrasive Hose - Silo Truck Discharge

Description - Conductive, abrasion-resistant hose engineered for bulk discharge from silo trucks and tanks. Optimized for high-volume flow of dry materials at low to medium pressure.

Application

Silo truck unloading, cement & lime discharge, powder transfer from tanker to silo.

Standard / Approval

TS EN ISO 1403 - Type 2

Flow Medium

Cement, lime, powders, dry bulk solids

Working Pressure

5 Bar / 72.51 psi

Bursting Pressure

15 Bar / 217.55 psi





Internal Diameter		Outer Diameter		Maximum Working Pressure		Minimum Burst Pressure		Weight
mm	inch	mm	inch	bar	psi	bar	psi	gr/m
12,7	0.50	-	-	-	-	-	-	-
16	0.63	-	-	-	-	-	-	-
19	0.75	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-
22	0.88	-	-	-	-	-	-	-
25,4	1.00	-	-	-	-	-	-	-
28,5	1.13	-	-	-	-	-	-	-
30	1.19	-	-	-	-	-	-	-
32	1.25	-	-	-	-	-	-	-
35	1.38	-	-	-	-	-	-	-
38	1.50	-	-	-	-	-	-	-
40	1.56	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-	-
44,5	1.75	-	-	-	-	-	-	-
48,0	-	-	-	-	-	-	-	-
50,8	2.00	60,4	2.38	5	72.51	15	217.55	1000
55	2.17	65	2.56	5	72.51	15	217.55	1085
60	2.33	70	2.76	5	72.51	15	217.55	1175
63,5	2.50	73	2.87	5	72.51	15	217.55	1200
65	2.56	75	2.95	5	72.51	15	217.55	1270
70	2.75	80	3.15	5	72.51	15	217.55	1355
76	3.00	86	3.39	5	72.51	15	217.55	1465
80	3.13	90	3.54	5	72.51	15	217.55	1535
88,9	3.50	100	3.94	5	72.51	15	217.55	1900
101,6	4.00	112	4.41	5	72.51	15	217.55	2000
101,6	4.00	115	4.53	5	72.51	15	217.55	2620
101,6	4.00	117	4.61	5	72.51	15	217.55	3040
110	4.31	125	4.92	5	72.51	15	217.55	3200
114	4.50	129	5.08	5	72.51	15	217.55	3300
127	5.00	142	5.59	5	72.51	15	217.55	3650

* Working and bursting pressure valid at 20°C
 ** Length tolerance +/- 5%
 *** Inner Diameter tolerance +/- 2%



• Other colors are available against MOQ • Autres couleurs et longueurs sont

 
 -10°C | +60°C
 TEMPERATURE RANGE
 61 Meter
 LENGTH

Abrasive Hose

Suction & Delivery Hose

