

## HEAVY FLATFLEX HOSE 20/12 bar

HOSES › Flattenable tubes

### HIGH RESISTANCE TRAW HOSE FOR DELIVERY OF PRESSURE LIQUIDS

- SPECIALLY DESIGNED FOR TRAVEL SPRINKLERS
- EXTREMELY LOW FRICTION LOSSES
- HIGHER BEND RADIUS AND EQUIPMENT RESISTANCE
- FOR EXTREME UV AND OZONE CONDITIONS



[Mastertubi.it/q?1334](http://Mastertubi.it/q?1334)



**Color:** Black Ribbed Cover

**Applications:** Designed and recommended for mobile sprinklers, side pivots, heavy duty dredger unloading, pumping sewage, sludge and slurry and any application where high abrasion resistance is required.

**Construction:** made of 100% high tenacity synthetic yarn woven circularly, completely incorporated into a thermoplastic blend of synthetic nitrile rubber and extruded anti-abrasive PVC which forms a single homogeneous construction without the use of glues or adhesives.

**Coating Properties:**

- maximum tensile strength of the coating and covering
- guaranteed minimum value of 1,500 psi (10,500 kPa)
- Maximum final elongation 400%.

**Accelerated Aging Test :** The tensile strength and ultimate elongation of the vulcanized rubber compound were tested with oxygen at a pressure of 300 psi +/- 10 psi (2100 kPa +/- 70 kPa) at a temperature of 70° C +/-1° for a period of 96 hours, after which the rubber properties reach 60% of the original values.

**Abrasion resistance:** Extended life of your application in extreme conditions, where abrasion is the main problem. Abrasion resistance exceeding approximately 2000 work cycles.

**Service temperature range:** -20°C to 80°C

**Ozone Resistance:** No visible signs of cracking apparent on coating or cover, tested in accordance with ASTM D518 Procedure B, 100pphm/40°C.

**Chemical Resistance:** Exposure to seawater and contamination by most chemicals, hydrocarbons, oils and greases have no effect on the short or long term performance of the hose. Specific chemical resistance data is available upon request.

**Packaging:** standard 100m and 200m. Special lengths may be available upon request.

**Connections:** Camlock, Ferrari, Victaulic, Storz, etc.

**Physical Properties:**

Series Number	Nom. Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F552164A	65	2 ½	3.0	0.12	20	290	50	725	5,320	11,729	0.85	0.57	1.20	3.94
F550726A	76	3	3.1	0.12	18	260	45	650	8,380	18,475	1.00	0.67	1.25	4.10
F550748A	90	3 ½	3.3	0.13	16	230	40	580	9,300	20,503	1.15	0.77	1.30	4.27
F551285A	102	4	3.3	0.13	14	200	35	505	10,000	22,046	1.40	0.94	1.35	4.43
F553178A	105	4 1/8	3.4	0.13	14	200	35	505	10,000	22,046	1.45	0.97	1.35	4.43
F551300A	115	4 ½	3.4	0.13	12	175	30	435	11,500	25,353	1.60	1.08	1.50	4.92
F551296A	127	5	3.5	0.14	12	175	30	435	12,320	27,161	1.80	1.21	1.60	5.25
F552211A	152	6	3.6	0.14	12	175	30	435	15,000	33,069	2.10	1.41	1.70	5.58

Series Number	Nom. Inner Diameter		Bend Radius													
			at 3 bar /43 psi		at 4 bar /58 psi		at 6 bar /87 psi		at 8 bar /116 psi		at 10 bar /145 psi		at 12 bar /174 psi		at 14 bar /203 psi	
	mm	inch	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft
F552164A	65	2 ½	0.69	2.25	0.84	2.74	0.96	3.13	1.00	3.28	1.05	3.44			1.10	3.61
F550726A	76	3	0.82	2.67	0.94	3.08	1.00	3.28	1.08	3.53	1.08	3.54			1.13	3.71
F550748A	90	3 ¾	0.93	3.05	0.95	3.12	1.00	3.26	1.13	3.71	1.13	3.71			1.25	4.10
F551285A	102	4	0.97	3.17	1.09	3.58	1.20	3.94	1.25	4.10	1.33	4.36			1.35	4.43
F553178A	105	4 1/8	0.97	3.17	1.09	3.58	1.20	3.94	1.25	4.10	1.33	4.36			1.35	4.43
F551300A	115	4 ½	1.10	3.61	1.15	3.77	1.24	4.05	1.28	4.18	1.44	4.71	1.50	4.92		
F551296A	127	5	1.15	3.77	1.20	3.94	1.31	4.28	1.43	4.69	1.50	4.92	1.60	5.25		
F552211A	152	6	1.50	4.92	1.53	5.00	1.59	5.20	1.63	5.35	1.65	5.40	1.70	5.58		

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions please contact your distributor or directly to TIPSA.

\* Hoses to be assembled with Camlock couplings

**tipsa:** reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: [tipsaex@tipsa.com](mailto:tipsaex@tipsa.com)