

# HellermannTyton

## Standard Weight High Impact Nylon12 HGHI Series

A standard weight corrugated conduit made of PA12 nylon that offers superior impact resistance, making it ideal for protecting wire and cable bundles in conditions with continual movement or bending. This material is highly resistant to UV light, solvents and oils. Combine with HelaGuard Non Metallic Fittings to achieve IP66 or greater protection against water, wind and dirt.



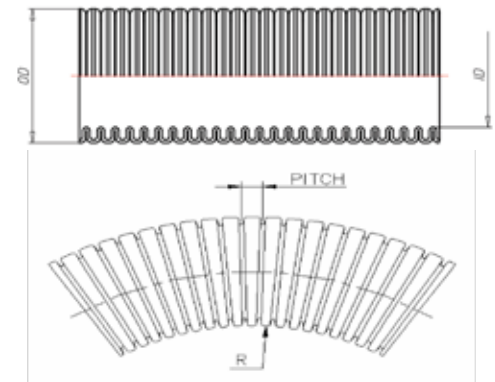
Conduit Size		Euro Size	Pitch	HellermannTyton Part Number	Manufacturer Part Reference	Outside Dimension (OD)		Inside Dimension (ID)		Minimum Bend Radius	Compression Strength	Weight
in.	mm	(NW)	F or C			in	mm	in	mm	mm	kg/100mm	lbs / foot
5/16	13	10	F	HG-HI0310	FPI13	0.51	13.0	0.39	9.8	25	75	0.019
3/8	16	12	F	HG-HI0380	FPI16	0.63	15.8	0.47	11.8	30	45	0.024
1/2	21	17	F	HG-HI0500	FPI21	0.84	21.2	0.66	16.7	35	45	0.037
3/4	28	23	C	HG-HI0750	FPI28	1.13	28.5	0.86	21.7	45	70	0.062
1	34	29	C	HG-HI1000	FPI34	1.36	34.5	1.11	28.1	55	70	0.081
1.25	42	36	C	HG-HI1250	FPI42	1.68	42.5	1.40	35.5	60	70	0.108
1.5	54	48	C	HG-HI1500	FPI54	2.15	54.5	1.86	47.2	70	50	0.148

### Technical Properties and Performance

Property	Rating
Material: Standard Weight Nylon 12	Polyamide Nylon 12 (PA12)
Highly Flexible with excellent fatigue life	Yes
IP (Ingress Protection) rating with HG (FPA) fittings	IP66
IP (Ingress Protection) rating with HGL (FPAX) fittings	IP66+67+68+69K
Temperature Range	-50°C to +110°C
Displays self recovery if crushed	Yes
Water and Dust resistant	Yes
Abrasion Resistant	Yes
High Impact Strength (at -60° C)	> 6 Joules
UV Resistance (UL Report No. 13CA50836)	Yes
UL Recognized (File No. E229161)	Yes
Vibration and Shock resistance (EN61373)	Cat 2
Compression Strength: (Tested at 21mm size)	45kg/100mm
Pull-off (Tensile) Strength (Tested at 21mm size)	30kg HG & HGL fittings
Country of Origin	United Kingdom

### Fire Performance

Limiting Oxygen index to ISO 4589 (RAPRA Report No. 197372)	26.7%
Maximum smoke opacity to BS6853 annex D8.3 (WFRC report 141493)	A <sub>0</sub> = 0.045
Toxicity Index to BS6853 B.1 (WFRC Report No. 141181)	R = 1.32
Toxicity Index to NFX70-100 (WFRC Report No. 141181)	CIT = 24.99
Ignition and fume rating to NFF16-101/2 (RAPRA Report No. 43386)	I4F2
Self extinguishing to EN61386-1 (BSI Report No. 2381 / 7847798)	Yes
Halogen, Sulphur and Phosphorous Free	Yes
Burning Behavior to DIN5510 (CSI Report No. 15897)	S4 SR2 ST2
Smoke to ASTM E662 (Exova Report No. 14-002-307)	Yes



Conduit complete with FPA fitting



**Warranty Policy** HellermannTyton products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, implied or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the user will test them in actual use and determine their adaptability for the intended uses. Every effort is made to ensure accuracy and completeness when describing the technical properties of these products.