

# Norma Group Plastic Hosetails

## Mechanical Properties

Norma hose connectors possess excellent mechanical properties. They are sturdy, lightweight, and non-toxic. They can withstand impact, wear and chemicals, making them suitable for hoses with an inside diameter ranging from 3 mm to 25 mm. The push-on types have deep moulded ribs that ensure positive sealing and a secure hose grip.

## Thermal Properties

The connectors are designed to work continuously in air at around 80°C. They can also function in hot water depending on the temperature and duration. In the case of thermoplastic threaded connectors, it is necessary to consider the coefficient of expansion, which is  $100 \times 10^{-6}$ , in case of temperature variation.

## Chemical Properties

The connectors' chemical characteristics ensure excellent resistance to aliphatic and aromatic hydrocarbons, petrol, alcohols, esters, plasticisers, ketones, ether, oils, and fats. They also resist chlorinated hydrocarbon, alkalis, glycerine, glycol, soap, and salt solutions. However, they have limited resistance to phenols, acids, oxidants, etc.



SPECIFICATIONS	TAPER THREAD CONNECTORS	PUSH-ON CONNECTORS
Material	Polyamide	Acetal resin
Colour	Grey	White
Working pressure	10 bar	10 bar
Temperature range	-40°C to +90°C	-40°C to +90°C
Short term temperature	120°C	120°C



**STRAIGHT HOSETAIL  
METRIC MALE**

3800

PART NUMBER	HOSE ID	THREAD
N-GES3M5	3 mm	M5

## BSPT MALE

PART NUMBER	HOSE ID	THREAD
N-GES4R 1/8	4 mm	1/8" BSPT
N-GES4R 1/4	4 mm	1/4" BSPT
N-GES6R 1/8	6 mm	1/8" BSPT
N-GES6R 1/4	6 mm	1/4" BSPT
N-GES6R 3/8	6 mm	3/8" BSPT
N-GES8R 1/8	8 mm	1/8" BSPT
N-GES8R 1/4	8 mm	1/4" BSPT
N-GES8R 3/8	8 mm	3/8" BSPT
N-GES8R 1/2	8 mm	1/2" BSPT
N-GES10R 1/4	10 mm	1/4" BSPT
N-GES10R 3/8	10 mm	3/8" BSPT
N-GES12R 3/8	12 mm	3/8" BSPT
N-GES12R 1/2	12 mm	1/2" BSPT
N-GES14R 3/8	14 mm	3/8" BSPT
N-GES14R 1/2	14 mm	1/2" BSPT
N-GES16R 1/2	16 mm	1/2" BSPT
N-GES16R 3/4	16 mm	3/4" BSPT
N-GES19R 3/4	19 mm	3/4" BSPT
N-GES25R1	25 mm	1" BSPT



**ELBOW HOSETAIL  
BSPT MALE**

3800

PART NUMBER	HOSE ID	THREAD
N-WES4R 1/8	4 mm	1/8" BSPT
N-WES4R 1/4	4 mm	1/4" BSPT
N-WES6R 1/8	6 mm	1/8" BSPT
N-WES6R 1/4	6 mm	1/4" BSPT
N-WES6R 3/8	6 mm	3/8" BSPT
N-WES8R 1/8	8 mm	1/8" BSPT
N-WES8R 1/4	8 mm	1/4" BSPT
N-WES8R 3/8	8 mm	3/8" BSPT
N-WES8R 1/2	8 mm	1/2" BSPT
N-WES10R 1/4	10 mm	1/4" BSPT
N-WES10R 3/8	10 mm	3/8" BSPT
N-WES12R 3/8	12 mm	3/8" BSPT
N-WES12R 1/2	12 mm	1/2" BSPT
N-WES19R 3/4	19 mm	3/4" BSPT
N-WES25R1	25 mm	1" BSPT



**TEE HOSETAIL  
BSPT MALE**

3800

PART NUMBER	HOSE ID	THREAD
N-TES4R 1/8	4 mm	1/8" BSPT
N-TES4R 1/4	4 mm	1/4" BSPT
N-TES6R 1/8	6 mm	1/8" BSPT
N-TES6R 1/4	6 mm	1/4" BSPT
N-TES8R 1/4	8 mm	1/4" BSPT
N-TES10R 3/8	10 mm	3/8" BSPT



**STRAIGHT HOSETAIL  
PUSH-ON**

3800

PART NUMBER	HOSE ID
N-GS03	3 mm
N-GS04	4 mm
N-GS05	5 mm
N-GS06	6 mm
N-GS08	8 mm
N-GS10	10 mm
N-GS12	12 mm
N-GS13	13 mm
N-GS14	14 mm
N-GS16	16 mm
N-GS19	19 mm
N-GS25	25 mm