Mayer ProHose R-Series Hot Melt Heated Hoses

Industrial hot melt heated hoses engineered for 100% compatibility with Robatech Concept, Jumbo, MultiMelt, and RobaPUR units, featuring NTC sensors, pressures up to 475 bar, and IP65 washdown protection.

Robatech 100% Compatible | 230V AC | NTC Termistör | NW6 – NW25 | 110 – 475 BAR | 210°C

VOLTAGE	SENSOR TYPE	MAX TEMP	WORK PRESSURE	NOMINAL BORES	PROTECTION / SS
230 V AC	NTC Termistör	210 °C	110 – 475 bar	NW 6 – 25 mm	IP54 / IP65
50/60 Hz	Robatech Standard	Thermal Stable	Standart & HP	6 Size Options	316 SS Fittings

HOSE ENGINEERING CONSTRUCTION & LAYER ANATOMY

1. İç Akış Çekirdeği (Core)	Smooth-bore, chemically inert virgin PTFE core. Eliminates adhesive charring and ensures laminar flow for PUR, EVA, and PSA.
2. Basınç Takviye Örgüsü (Braid)	High-tensile AISI 304 stainless steel wire braid. Ensures zero volumetric expansion and maximum burst protection under dynamic pulsing.
3. Spiral Isıtma Rezistansı (Heating)	PTFE-insulated nickel-chrome spiral heating element. Delivers uniform heat flux with ±2°C accuracy preventing cold spots along the line.
4. Çok Katmanlı Termal İzolasyon	Multi-layer aramid fleece and siliconized fiberglass thermal barrier. Maximizes energy retention and keeps outer sheath safe to touch.
5. Dış Koruma & Uç Başlıkları	Abrasion-resistant PA braided sleeve or impact-absorbing PUR corrugated conduit with heavy-duty elastomer strain-relief end caps.

ROBATECH COMPATIBLE STANDARD SERIES (NW 6 mm & NW 8 mm) (210°C / NTC)

NW 6 mm Standard Series (230/160 bar / r=70 mm)

Length	Robatech P/N	Mayer Part Number
0.60 m	R-141493	**MY-RB-141493**
1.00 m	R-136451	**MY-RB-136451**
1.20 m	R-136452	**MY-RB-136452**
1.50 m	R-136453	**MY-RB-136453**
1.80 m	R-136454	**MY-RB-136454**
2.00 m	R-136455	**MY-RB-136455**
2.50 m	R-136456	**MY-RB-136456**
3.00 m	R-136457	**MY-RB-136457**
3.50 m	R-136458	**MY-RB-136458**
4.00 m	R-136459	**MY-RB-136459**
4.50 m	R-136460	**MY-RB-136460**
5.00 m	R-136461	**MY-RB-136461**

NW 8 mm Standard Series (200/150 bar / r=100 mm)

Length	Robatech P/N	Mayer Part Number
0.60 m	R-100781	**MY-RB-100781**
1.00 m	R-100782	**MY-RB-100782**
1.20 m	R-100658	**MY-RB-100658**
1.50 m	R-100657	**MY-RB-100657**
1.80 m	R-100783	**MY-RB-100783**
2.00 m	R-100784	**MY-RB-100784**
2.30 m	R-140255	**MY-RB-140255**
2.50 m	R-100785	**MY-RB-100785**
3.00 m	R-100786	**MY-RB-100786**
3.50 m	R-104022	**MY-RB-104022**
4.00 m	R-100932	**MY-RB-100932**
5.00 m	R-100933	**MY-RB-100933**

ROBATECH COMPATIBLE STANDARD SERIES (NW 8, NW 13, NW 16, NW 25 mm)

NW 8 mm (Cont.) & NW 13 mm Standard (150/120 bar)

Length	Robatech P/N	Mayer Part Number
6.00 m	R-104515	MY-RB-104515
7.00 m	R-115632	MY-RB-115632
8.00 m	R-104517	MY-RB-104517
9.00 m	R-131114	MY-RB-131114
10.00 m	R-122518	MY-RB-122518
11.00 m	-	MY-RB-121100
12.00 m	R-123085	MY-RB-123085
1.00 m	R-118543	MY-RB-118543
1.50 m	R-121214	MY-RB-121214
2.00 m	R-108467	MY-RB-108467
2.50 m	R-117484	MY-RB-117484
3.00 m	R-108468	MY-RB-108468
3.50 m	R-117483	MY-RB-117483
4.00 m	R-108469	MY-RB-108469
5.00 m	R-108470	MY-RB-108470
6.00 m	R-108471	MY-RB-108471
6.50 m	R-115474	MY-RB-115474
7.00 m	R-108472	MY-RB-108472
8.00 m	R-108473	MY-RB-108473
9.00 m	R-108474	MY-RB-108474
10.00 m	R-127263	MY-RB-127263
11.00 m	R-121699	MY-RB-121699

NW 16 mm & NW 25 mm Standard / Return (135/110 bar)

Length	Robatech P/N	Mayer Part Number
0.90 m	R-152207	MY-RB-152207
1.50 m	R-133140	MY-RB-133140
2.00 m	R-117635	MY-RB-117635
2.50 m	R-133141	MY-RB-133141
3.00 m	R-117636	MY-RB-117636
4.00 m	R-117637	MY-RB-117637
5.00 m	R-117638	MY-RB-117638
6.00 m	R-117639	MY-RB-117639
7.00 m	R-117640	MY-RB-117640
8.00 m	R-117641	MY-RB-117641
9.00 m	R-129110	MY-RB-129110
10.00 m	R-127288	MY-RB-127288
12.00 m	R-117642	MY-RB-117642
2.00 m	R-123852	MY-RB-123852
3.00 m	R-114596	MY-RB-114596
4.00 m	R-114625	MY-RB-114625
5.00 m	R-114597	MY-RB-114597
6.00 m	R-114598	MY-RB-114598
7.00 m	R-130709	MY-RB-130709
8.00 m	R-136505	MY-RB-136505
0.675 m	R-115257	MY-RB-115257
1.20 m	R-114737	MY-RB-114737

ROBATECH COMPATIBLE HIGH-PRESSURE (HP) SERIES (400 – 475 BAR)

NW 8 mm & NW 13 mm HP (475 / 450 bar)

Length	Robatech P/N	Mayer Part Number
3.00 m	R-118758	MY-RB-118758
2.60 m	R-121908	MY-RB-121908
3.00 m	R-122132	MY-RB-122132

NW 16 mm HP (400 bar / r=175 mm)

Length	Robatech P/N	Mayer Part Number
2.00 m	R-118838	MY-RB-118838
3.00 m	R-114437	MY-RB-114437
4.00 m	R-114626	MY-RB-114626
5.00 m	R-114439	MY-RB-114439
6.00 m	R-114441	MY-RB-114441
12.00 m	R-119137	MY-RB-119137

ROBATECH COMPATIBLE WATERPROOF (IP65) & TRANSFER SERIES

NW 6 mm & NW 8 mm Waterproof (IP65 / Silicone)

Length	Robatech P/N	Mayer Part Number
1.00 m	R-136462	MY-RB-136462
1.20 m	R-136463	MY-RB-136463
1.50 m	R-136464	MY-RB-136464
1.80 m	R-136465	MY-RB-136465
2.00 m	R-136466	MY-RB-136466
2.50 m	R-136467	MY-RB-136467
3.00 m	R-136468	MY-RB-136468
3.50 m	R-136469	MY-RB-136469
4.00 m	R-136470	MY-RB-136470
4.50 m	R-136471	MY-RB-136471
5.00 m	R-136472	MY-RB-136472
0.60 m	R-105503	MY-RB-105503
1.00 m	R-105504	MY-RB-105504
1.20 m	R-105505	MY-RB-105505
1.50 m	R-105506	MY-RB-105506
1.80 m	R-105507	MY-RB-105507
2.00 m	R-105508	MY-RB-105508
2.50 m	R-105509	MY-RB-105509
3.00 m	R-105510	MY-RB-105510
4.00 m	R-105511	MY-RB-105511
5.00 m	R-105512	MY-RB-105512
6.00 m	R-121441	MY-RB-121441

NW 13 mm Waterproof & Transfer Lines

Length	Robatech P/N	Mayer Part Number
1.00 m	R-126645	MY-RB-126645
1.50 m	R-138395	MY-RB-138395
2.00 m	R-126647	MY-RB-126647
2.50 m	R-138396	MY-RB-138396
3.00 m	R-128997	MY-RB-128997
4.00 m	R-126174	MY-RB-126174
5.00 m	R-128998	MY-RB-128998
6.00 m	R-127485	MY-RB-127485
7.00 m	R-127667	MY-RB-127667
8.00 m	R-129002	MY-RB-129002
9.00 m	R-129003	MY-RB-129003
10.00 m	R-129004	MY-RB-129004
3.00 m	R-113454	MY-RB-113454
4.50 m	R-113455	MY-RB-113455
5.50 m	R-113456	MY-RB-113456
6.50 m	R-113457	MY-RB-113457
7.50 m	R-113458	MY-RB-113458
8.50 m	R-114534	MY-RB-114534
9.50 m	R-114535	MY-RB-114535
3.50 m	R-131168	MY-RB-131168
5.50 m	R-115471	MY-RB-115471
6.50 m	R-115472	MY-RB-115472
7.50 m	R-114896	MY-RB-114896
9.50 m	R-117018	MY-RB-117018

MANUAL HANDGUN & SPRAY AIR EQUIPPED HOSE SERIES

NW 8 mm Manual Handgun Hoses

Length	Robatech P/N	Mayer Part Number
3.00 m	R-119283	MY-RB-119283
5.00 m	R-119285	MY-RB-119
5.0 m	R-163203	MY-RB-163203
7.0 m	R-163204	MY-RB-163204

Spray Applications (with 4x6 Air Line)

Length	Robatech P/N	Mayer Part Number
5.0 m	R-163203	MY-RB-163203
7.0 m	R-163204	MY-RB-163204

OPERATIONAL, MECHANICAL INSTALLATION & SAFETY GUIDELINES

• Kıvrılma Yarıçapı (Rmin)	The hose must never be bent sharper than the rated minimum bend radius. Over-bending causes irreversible kinking of the PTFE core.
• Torsiyon Önleme	Torsion is strictly prohibited. Always use a counter-wrench on the hex fitting during tightening to prevent internal core twist.
• Askı & Balanser Desteği	In robotic and moving installations, support hoses with articulated energy chains, spring balancers, or protective saddles.
• Elektrik & Termal Güvenlik	Disconnect electrical power before connecting plugs. Verify protective earth (PE) continuity. Gradual heating ramp-up is recommended.