

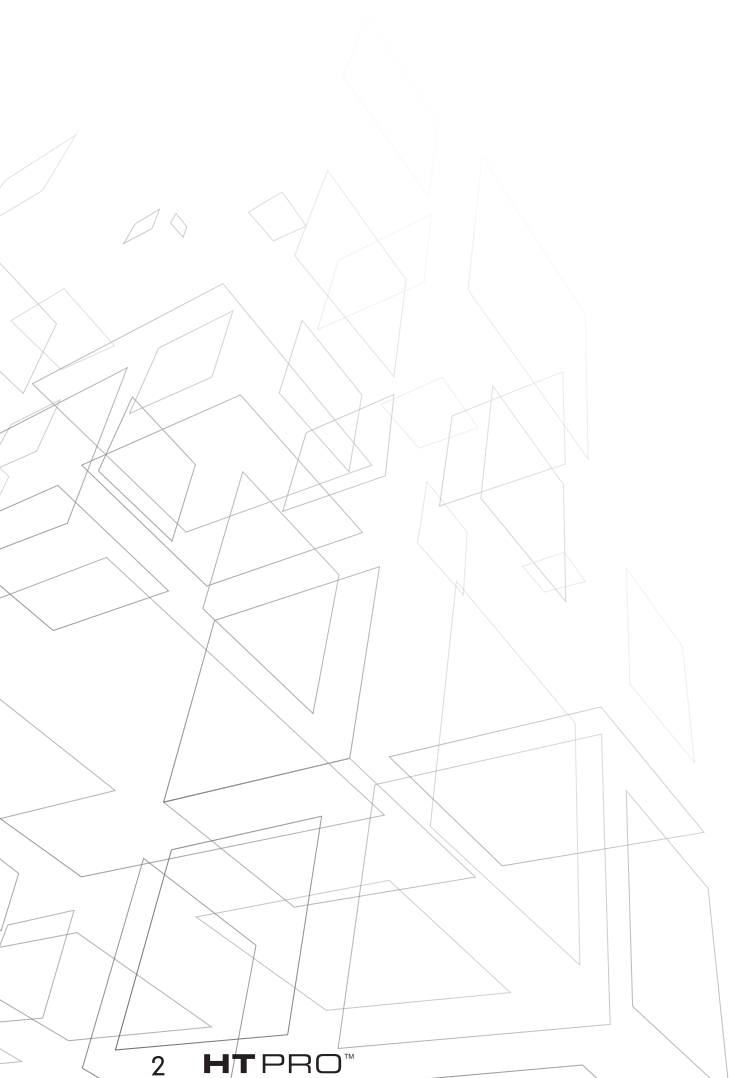


ADVANCED FLOW
SYSTEMS™



HTPRO™

Push-Fit Polypropylene Wastewater System



HULIOT A.C.S. Ltd. Company Profile

HULIOT A.C.S. Ltd. is a leading Israeli manufacturer of advanced pipe systems and innovative plastic products. With its 70 years' experience, Huliote specializes in flow products: water supply, drainage, sewage and grey water recycling. Huliote's comprehensive product line of pipes and fittings for the building and infrastructure sectors are available in all standard diameters and sizes and in a range of plastic materials, including polypropylene (PP), polyvinyl chloride (PVC) and cross-linked polyethylene (PE-x). All products are manufactured and produced the latest extrusion and injection-moldings technologies.

Huliote is renowned in the market for its uncompromising product quality. All its products are manufactured in accordance with European and Israeli standards. Huliote's manufacturing procedures comply with the most rigorous international standards for quality assurance, environmental protection and employee health and safety.

HULIOT A.C.S. is certified and compliant with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Products are certified by SII, SKZ, DIBT, AENOR, DTI and Green Label.

In 2014 HULIOT A.C.S. Ltd. acquired Argo d.o.o., Slovenia, with the aim of creating a platform for the development of the sales in the Europe.

Huliote d.o.o. is certified and compliant with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. Products are certified by SKZ, DIBT and AENOR.



Description of the HT PRO™ System

Piping system for waste and drainage inside the building made of halogen and cadmium free co-polymer polypropylene.

Three layer pipes with thickness in S16 series. Joints are made with push-fit sockets and elastomer seals.

Used in the construction of waste systems inside the building structure (application area B), anchored externally to the walls or embedded directly in the concrete. Can be used also for the creation of ventilation systems of waste water systems and for rain water drainage (only gravity systems).

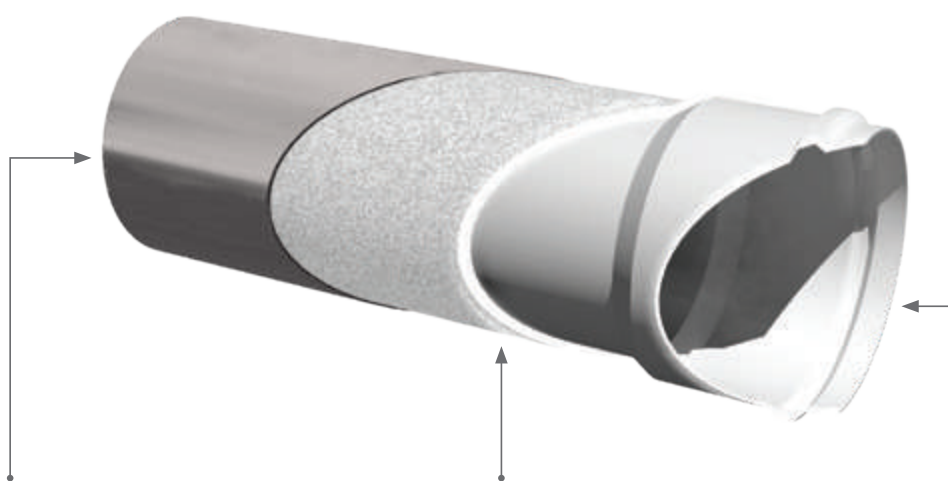
B2 fire resistance class in compliance with DIN 4102.

The system is manufactured in compliance with EN 1451 and certified by SKZ.



Main Features

- Three layer pipes
- Increased pipe thickness, S16 series, for excellent performances
- Easy and fast installation without tools
- Low thermal expansion
- High chemical resistance to metropolitan and industrial waste water
- 100% recyclability
- High impact resistance at low temperature (-10°C)
- White interior for easy visual inspection
- Extremely smooth flow
- 10-year guarantee



External Layer

Made of grey PP, provides excellent impact resistance even at low temperature and high mechanical performances.

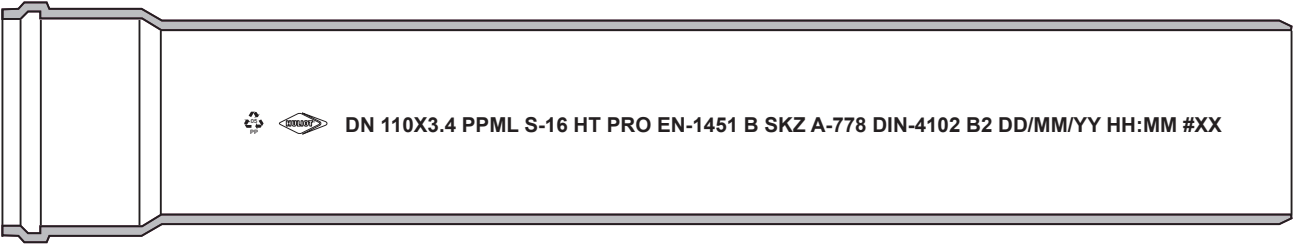
Middle Layer

Made of PP compound, provides excellent stiffness.

Internal layer

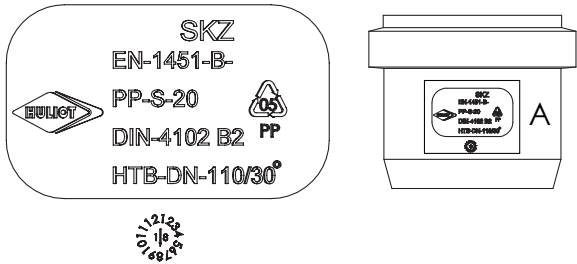
Made of white PP co-polymer, gives high flow performance thanks to smooth surface, excellent resistance to chemical agents and high-definition contrast for visual inspection.

Marking of pipes



Recycling symbol	Recyclable product
Huliot logo	Manufacturer
DN 110 x 3,4	Diameter and thickness
PPML	Material
S-16	Pipe series
HTPRO	Commercial product name
EN 1451	Construction standard
B	Application area
SKZ A778	Certificate n°
DIN 4102 B2	Fire class
DD/MM/YY	Production date
XX	Production site

Marking of fittings



Recycling symbol	Recyclable product
Huliot logo	Manufacturer
EN 1451 - B - PP	Construction standard - application area - material
S-20	Pipe series
DIN 4102 B2	Fire class
HTB DN110 30°	Type of product, diameter, angle
Date	Production date

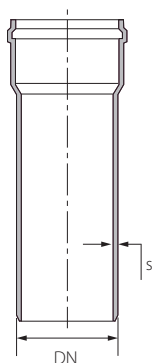
Certificates



Product Certificates

- Pipes: SKZ A778
- Fittings: SKZ 5953

Pipes dimensions



DN	s (mm)	App. Area	Series
32	1.8	B	S16
40	1.8	B	S16
50	1.8	B	S16
75	2.3	B	S16
90	2.8	B	S16
110	3.4	B	S16
125	3.9	B	S16
160	4.9	B	S16

Datasheet

Property	Value	Test Method
Application Field	High and low temperature waste and drainage systems inside buildings (application area "B"), anchored to the walls or laid directly in concrete; ventilation of waste water systems, gravity rainwater drainage systems.	
Pipe structure and material	Three layer pipe in S16 thickness series; combination of co-polymer, homo-polymer and compound of polypropylene.	
Fitting Material	Co-polymer polypropylene	
Connection	Push-fit sockets with rubber seal	
Seal	SBR rubber lip ring	
Color	Fittings: Grey RAL 7037 Pipes: Grey RAL 7037 for the external layer, dark grey for the middle layer, white for the internal layer	
Diameters	32-160 mm	
Packaging	Pipes in wooden frames, in bundles and boxes depending on diameter and length. Fittings in cardboard boxes	
Minimum working temperature	-10°C	
Max temperature of waste water	+95°C (discontinuous) +80°C (continuous)	
Chemical resistance	Discharge media between pH2 and pH 12	
Density	0,75-1,04 g/cm ³	ISO 527-1,2
Yield stress	33 Mpa	ISO 527-1,2
Elongation at yield	12%	ISO 527-1,2
Elasticity modulus	1.500 Mpa	ISO 527-1,2
Linear thermal expansion	0,12 mm/m·C° ⁻¹	
Halogen & cadmium content	Free of Halogen or Cadmium	
Reaction to fire	B2	DIN 4102
UV resistance	Suitable for external installation when protected to direct sun exposure (for instance by mean of special UV protective coating); can be stocked outside up to 18 months	
Construction Standard	EN 1451-1	
Conformity certificate	SKZ 5953, SKZ A778	

HTEM Single Socket Pipe



Huliot Code	EAN	DN	L		
C032PRO0250	3831020520738	32	250	20	960
C032PRO0500	3831020520745	32	500	20	480
C032PRO1000	3831020532410	32	1000	30	600
C032PRO1500	3831020520752	32	1500	10	600
C032PRO2000	3831020520769	32	2000	10	600
C032PRO3000	3831020520776	32	3000	10	600
C040PRO0250	3831020520868	40	250	20	960
C040PRO0500	3831020520875	40	500	20	480
C040PRO1000	3831020532380	40	1000	30	600
C040PRO1500	3831020520882	40	1500	10	600
C040PRO2000	3831020520899	40	2000	10	600
C040PRO3000	3831020520905	40	3000	10	600
C050PRO0250	3831020520592	50	250	20	540
C050PRO0500	3831020520608	50	500	20	400
C050PRO1000	3831020532427	50	1000	30	400
C050PRO1500	3831020520615	50	1500	10	400
C050PRO2000	3831020520622	50	2000	10	400
C050PRO3000	3831020520639	50	3000	10	400
C075PRO0250	3831020521001	75	250	20	240
C075PRO0500	3831020521018	75	500	20	160
C075PRO1000	3831020532434	75	1000	10	210
C075PRO1500	3831020521025	75	1500	10	210
C075PRO2000	3831020521032	75	2000	10	210
C075PRO3000	3831020521049	75	3000	10	210
C090PRO0250	3831020521148	90	250	20	160
C090PRO0500	3831020521155	90	500	10	120
C090PRO1000	3831020532397	90	1000	10	100
C090PRO1500	3831020521162	90	1500	10	100
C090PRO2000	3831020521179	90	2000	10	100
C090PRO3000	3831020521186	90	3000	10	100
C110PRO0250	3831020532465	110	250	20	180
C110PRO0500	3831020532519	110	500	10	80
C110PRO1000	3831020532441	110	1000	10	100
C110PRO1500	3831020532472	110	1500	10	100
C110PRO2000	3831020532403	110	2000	10	100
C110PRO3000	3831020532557	110	3000	10	100
C125PRO0250	3831020532038	125	250	6	108
C125PRO0500	3831020532113	125	500	6	72
C125PRO1000	3831020532120	125	1000	8	64
C125PRO1500	3831020532137	125	1500	8	64
C125PRO2000	3831020532090	125	2000	8	64
C125PRO3000	3831020532144	125	3000	8	64
C160PRO0250	3831020532274	160	250	8	48
C160PRO0500	3831020532281	160	500	8	32
C160PRO1000	3831020532298	160	1000	6	48
C160PRO1500	3831020532243	160	1500	6	48
C160PRO2000	3831020532304	160	2000	6	48
C160PRO3000	3831020532250	160	3000	6	48

HTB Bend 15°



Huliot Code	EAN	α°	DN		
K032ABOX15	3831020516243	15°	32	50	4000
K040ABOX15	3831020516502	15°	40	20	1440
K050ABOX15	3831020516717	15°	50	20	960
K075000015	3831020500372	15°	75	20	640
K090000015	3831020526068	15°	90	20	480
K110ABOX15	3831020515611	15°	110	20	240
K125000015	3831020500983	15°	125	20	160
K160000015	3831020501034	15°	160	10	120

HTB Bend 30°



Huliot Code	EAN	α°	DN		
K032ABOX30	3831020516304	30°	32	50	4000
K040ABOX30	3831020527287	30°	40	20	1440
K050ABOX30	3831020500822	30°	50	20	960
K075000030	3831020500389	30°	75	20	640
K090000030	3831020526075	30°	90	20	480
K110ABOX30	3831020515673	30°	110	20	240
K125000030	3831020500990	30°	125	20	160
K160000030	3831020501041	30°	160	10	120

HTB Bend 45°



Huliot Code	EAN	α°	DN		
K032ABOX45	3831020516359	45°	32	50	4000
K040ABOX45	3831020516595	45°	40	20	1440
K050ABOX45	3831020516762	45°	50	20	960
K075ABOX45	3831020527607	45°	75	20	480
K090000045	3831020526082	45°	90	20	240
K110ABOX45	3831020515734	45°	110	20	240
K125ABOX45	3831020527461	45°	125	10	120
K160ABOX45	3831020511439	45°	160	10	80

HTB Bend 67°



Huliot Code	EAN	α°	DN		
K032ABOX67	3831020516403	67°	32	50	4000
K040ABOX67	3831020516625	67°	40	20	1440
K050ABOX67	3831020516786	67°	50	20	960
K075000067	3831020500396	67°	75	20	480
K090000067	3831020526099	67°	90	20	240
K110ABOX67	3831020515833	67°	110	20	160

HTB Bend 87°



Huliot Code	EAN	α°	DN		
K032ABOX87	3831020516458	87°	32	50	4000
K040ABOX87	3831020516649	87°	40	20	1440
K050ABOX87	3831020516809	87°	50	20	960
K075ABOX87	3831020527614	87°	75	20	480
K090000087	3831020526105	87°	90	20	240
K110ABOX87	3831020515871	87°	110	20	160
K125ABOX87	3831020527478	87°	125	10	120
K160ABOX87	3831020511446	87°	160	10	80

HTEA Branch 45°



Huliot Code	EAN	α°	DN1	DN2		
O032ABOX45	3831020519602	45°	32	32	20	1600
O0400000450032	3831020504332	45°	40	32	20	1200
O040ABOX45	3831020519695	45°	40	40	20	1200
O050ABOX450040	3831020511453	45°	50	40	20	800
O050ABOX45	3831020519855	45°	50	50	20	800
O075ABOX450050	3831020519992	45°	75	50	20	240
O075ABOX45	3831020520097	45°	75	75	20	240
O0900000450040	3831020526303	45°	90	40	20	240
O0900000450050	3831020526310	45°	90	50	20	240
O090000045	3831020526297	45°	90	90	20	160
O110ABOX450040	3831020518711	45°	110	40	20	240
O110ABOX450050	3831020518780	45°	110	50	20	160
O110ABOX450075	3831020511491	45°	110	75	20	160
O1100000450090	3831020523715	45°	110	90	10	120
O110ABOX45	3831020518483	45°	110	110	20	120
O125ABOX450110	3831020511514	45°	125	110	10	80
O125ABOX45	3831020519091	45°	125	125	20	80
O160ABOX450110	3831020514720	45°	160	110	10	60
O160ABOX450125	3831020511545	45°	160	125	10	40
O160ABOX45	3831020519480	45°	160	160	10	40

HTEA Branch 67°



Huliot Code	EAN	α°	DN1	DN2		
O040ABOX67	3831020519732	67°	40	40	20	1200
O0500000670040	3831020519848	67°	50	40	20	800
O050ABOX67	3831020519923	67°	50	50	20	800
O0750000670050	3831020508729	67°	75	50	20	240
O075000067	3831020520103	67°	75	75	20	240
O110ABOX670050	3831020518810	67°	110	50	20	160
O1100000670075	3831020508736	67°	110	75	20	160
O110ABOX67	3831020518575	67°	110	110	20	160

HTEA Branch 87°



Huliot Code	EAN	α°	DN1	DN2		
O032ABOX87	3831020519640	87°	32	32	20	1600
O040ABOX87	3831020519749	87°	40	40	20	1200
O050000870040	3831020501331	87°	50	40	20	800
O050ABOX87	3831020519947	87°	50	50	20	800
O075ABOX87	3831020520141	87°	75	75	20	240
O075ABOX870050	3831020511460	87°	75	50	20	480
O090000870040	3831020511484	87°	90	40	20	240
O090000870050	3831020526341	87°	90	50	20	240
O09000087	3831020526334	87°	90	90	20	160
O110ABOX870040	3831020518742	87°	110	40	20	240
O110ABOX870050	3831020518858	87°	110	50	20	160
O110ABOX870075	3831020511507	87°	110	75	20	160
O110ABOX87	3831020518612	87°	110	110	20	160
O125ABOX870110	3831020511521	87°	125	110	10	80
O125ABOX87	3831020519145	87°	125	125	20	80
O160ABOX87	3831020519541	87°	160	160	10	40
O160ABOX870110	3831020514737	87°	160	110	10	60
O160ABOX870125	3831020514744	87°	160	125	10	60

HTED Corner Branch 67°



Huliot Code	EAN	α°	DN1	DN2		
O11000006700DD	3831020500587	67°	110	110	5	60

HTDA Double Branch



Huliot Code	EAN	α°	DN1	DN2		
O09000004500D04	3831020518469	45°	90	40	15	180
O09000004500D05	3831020518476	45°	90	50	15	180
O110ABOX004500D	3831020531444	45°	110	110	10	80
O110ABOX4500DR50	3831020523739	45°	110	50	10	120
O05000006700D	3831020526266	67°	50	50	20	480
O11000000670050D	3831020526952	67°	110	50	10	120
O110ABOX008700D	3831020531451	87°	110	110	10	80
O110ABOX8700D050	3831020506800	87°	110	50	10	120

HTRE Inspection



Huliot Code	EAN	DN		
CC050ABOX0000K	3831020517295	50	20	480
CC075ABOX0000K	3831020512504	75	20	240
CC090000000000K	3831020525627	90	20	160
CC110ABOX0000K	3831020531352	110	20	160
CC125ABOX0000K	3831020517301	125	20	160
CC160ABOX0000K	3831020517318	160	10	80

HTMM Double Socket



Huliot Code	EAN	DN		
D032ABOX0000DG	3831020523074	32	50	4000
D040ABOX0000DG	3831020523319	40	20	1440
D050ABOX0000DG	3831020523142	50	20	1440
D075ABOX0000DG	3831020523159	75	20	800
D090000000000DG	3831020525719	90	20	480
D110ABOX0000DG	3831020523135	110	20	240
D125ABOX0000DG	3831020515499	125	20	160
D160ABOX0000DG	3831020515505	160	10	120

HTU Sleeve



Huliot Code	EAN	DN		
D032ABOX	3831020515475	32	50	4000
D040ABOX	3831020513860	40	20	1440
D050ABOX	3831020513921	50	20	1440
D075ABOX	3831020513983	75	20	800
D090	3831020523241	90	20	480
D110ABOX	3831020513655	110	20	240
D125ABOX	3831020511538	125	20	160
D160ABOX	3831020515482	160	10	120

HTLL Long Socket



Huliot Code	EAN	DN		
S040	3831020500266	40	30	1440
S050	3831020500273	50	20	960
S075	3831020500280	75	20	360
S090	3831020527027	90	10	320
S110	3831020500297	110	15	180

HTM End Cap



Huliot Code	EAN	DN		
CC032ABOX	3831020517325	32	100	14000
CC040ABOX	3831020529748	40	20	2800
CC050ABOX	3831020529762	50	20	2800
CC075ABOX	3831020517332	75	20	1600
CC090	3831020525610	90	30	1440
CC110ABOX	3831020517349	110	20	1200
CC125ABOX	3831020522084	125	20	1200
CC160ABOX	3831020522091	160	10	400

HTR Reducer



Huliot Code	EAN	DN1	DN2		
P040ABOX000032	3831020522503	32	40	20	2800
P050ABOX000032	3831020515512	32	50	20	2800
P050ABOX000040	3831020527720	40	50	20	1440
P075ABOX000050	3831020522589	50	75	20	1200
P110ABOX000050	3831020522190	50	110	20	480
P110ABOX000075	3831020522244	75	110	20	480
P125ABOX0000110	3831020515529	110	125	20	240
P160ABOX0000110	3831020522350	110	160	20	240
P160ABOX0000125	3831020517288	125	160	20	240

HTR Short Reducer



Huliot Code	EAN	DN1	DN2		
P07500000050K	3831020526617	50	75	30	960
P0900000000050	3831020526648	50	90	20	640
P110NN00000040K	3831020500556	40	110	20	800
P1100000000050V	3831020508927	50	110	20	640
P1100000000075V	3831020522234	75	110	20	640

HTR Concentric Reducer



Huliot Code	EAN	DN1	DN2		
P0400000000032K	3831020500563	32	40	50	4000
P0500000000040K	3831020500570	40	50	50	3600
P0900000000075	3831020527232	75	90	20	640
P1100000000090	3831020526655	90	110	20	640

HTRR Reducer



Huliot Code	EAN	DN1	DN2		
P0400000000032R	3831020508941	40	32	30	2160
P0400000000050	3831020508958	50	40	30	1440

HTS Straight Siphon Connector



Huliot Code	EAN	DN1	DN2		
P032000046	3831020524453	32	46	20	1440
P040000046	3831020524538	40	46	20	1440
P040000050	3831020524569	40	50	20	1440

HTSW Bend for Siphon Connection



Huliot Code	EAN	DN1	DN2		
K03200004600S	3831020524385	32	46	20	1440
K04000005000S	3831020524392	40	50	20	1440
K04000004600S	3831020526945	40	46	20	1440
K05000005000S	3831020524408	50	50	20	960

HTSWL Long Bend for Siphon Connection



Huliot Code	EAN	DN1	DN2		
K0400000500DS	3831020524415	40	50	20	960
K0400000460DS	3831020524422	40	46	20	960

Rubber Gasket for HTS, HTSW, HTSWL



Huliot Code	EAN	DN1	DN2		
T047T000000000	3831020529991	26/32	46	500	-
T046T000000000	3831020529984	40	46	1000	-
T050T000000032	3831020530010	26/32	50	500	-
T050T000000040	3831020530003	40	50	500	-

KADH Ventilation Pipe



Huliot Code	EAN	DN	L		
O050ABOX0000K	3831020522947	50 short	280	20	360
O075ABOX0000K	3831020523425	75 short	280	20	240
O110ABOX0000K	3831020522923	110 short	280	20	160
O050ABOX0000KD	3831020522930	50 long	730	10	180
O075ABOX0000KD	3831020522954	75 long	730	5	75
O110ABOX0000KD	3831020522107	110 long	730	5	45

HTB Bend with Right Connection



Huliot Code	EAN	α°	DN1	DN2		
W110000090SID	3831020527201	87°	110	50	10	120

HTB Bend with Left Connection



Huliot Code	EAN	α°	DN1	DN2		
W110000090SIL	3831020501607	87°	110	50	10	120

HTB Bend with Double Connection



Huliot Code	EAN	α°	DN1	DN2		
W110000090SIDV	3831020524552	87°	110	50	10	120

HTB Bend with Front Connection



Huliot Code	EAN	α°	DN1	DN2		
W110000090SIZ	3831020501614	87°	110	50	10	120

Huliot Lubricant



Huliot Code	EAN	ml		
47700012	3831020502796	250	50	1500
47700013	3831020517950	2000	1	120



MAXMARK HT-Pro EE / REV 001 / 05.2020



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SYSTEMS™

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