

HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HEAD	FILTER HOUSING	FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	SUCTION FILTERS				
Fluid main category	Fluid name	Fluid type	Fluid Brand	Fluid designation	N= BUNA N V= FPM E= EPDM	STR= Surface treatment required	STR= Surface treatment required	STR= Surface treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	STRC	MPAC	SFEX	SFMC	SFSC
SYNTHETIC OR MINERAL BASED LIQUIDS	HH	Untreated refined mineral oils			N	Any	Any	Any	Any	Any					
	HL	Refined mineral oils with anti-rust and anti-oxidant properties			N	Any	Any	Any	Any	Any					
	HM	HL-type oils with better anti-wear properties			N	Any	Any	Any	Any	Any					
	HR	HL-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any					
	HV	HM-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any					
	HS	Synthetic fluids without specific properties			N	Any	Any	Any	Any	Any					
	HETG	Synthetic oil with triglycerides			V	Any	Any	Any	Any	Any					
	HEPR	PAO			V	Any	Any	Any	Any	Any					
	HEPR	PAO	CASTROL	PAO 2 cSt	N	Any	Any	Any	Any	Any					
	HEPR	PAO	FUCHS	RENISO SYNTH 68	N	Any	Any	Any	Any	Any					
	HFDU	Synthetic ester			V	STR	STR	STR	E	M or A					
	HFDU	Synthetic ester	HYSYN	FR	N	Any	Any	STR	Any	M or A					
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V	STR	STR	STR	Any	M or A					
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V	STR	STR	STR	Any	M or A					
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V	Any	Any	STR	Any	M or A					
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	N	Any	Any	STR	Any	M or A					
HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 888-26	V	Any	Any	STR	E	M or A						
HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 886-68	V	Any	Any	STR	E	M or A						
BIODEGRADABLE FLUIDS & VEGETABLE OILS	HEES	Synthetic ester biodegradable			V	Any	Any	Any	Any	Any					
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	Any	Any					
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Any	Any					
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	N	Any	Any	Any	Any	Any					
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Any	Any					
OFFSHORE & SELECTED WATER BASED FLUIDS	HFAE	Fire resistant oil-in-water emulsion			N	STR	STR	STR	Any	M or A					
	HFAS	Fire resistant chemical solution in water			N	STR	STR	STR	Any	M or A					
	HFB	Fire resistant water in oil emulsion			N or V	STR	STR	STR	Any	M or A					
	HFC	Fire resistant water polymer solution			N or V	STR	STR	STR	Any	M or A					
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 273 CTF	N or V	STR	STR	STR	Any	M or A					
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 620	N or V	STR	STR	STR	Any	M or A					
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 440	N or V	STR	STR	STR	Any	M or A					
PHOSPHATE ESTHER & AGGRESSIVE LIQUID APPLICATIONS	HFRD	Synthetic phosphate ester			V	STR	STR	STR	E	M or A					
	HFRD	Synthetic phosphate ester	SKYDROL	500B-4	E	Any	Any	Any	E	M or A					
	HFRD	Synthetic phosphate ester	SKYDROL	LD-4	E	Any	Any	Any	E	M or A					
	HFRD	Synthetic phosphate ester	SKYDROL	5	E	Any	Any	Any	E	M or A					
	HFRD	Synthetic phosphate ester	HOUGHTON	HOUGHTO SAFE 1120	V	STR	STR	STR	Any	M or A					
	HFRD	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	Any	Any	E	M or A					
	HFRD	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	Any	Any	E	M or A					



HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HEAD	FILTER HOUSING	FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	RETURN / SUCTION FILTERS	
Fluid main category	Fluid name	Fluid type	Fluid Brand	Fluid designation	N= BUNA N V= FPM E= EPDM	STR= Surface treatment required	STR= Surface treatment required	STR= Surface treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	MRSX	LMP 124 MULTIPOINT
SYNTHETIC OR MINERAL BASED LIQUIDS	HH	Untreated refined mineral oils			N	Any	Any	Any	Any	Any		
	HL	Refined mineral oils with anti-rust and anti-oxidant properties			N	Any	Any	Any	Any	Any		
	HM	HL-type oils with better anti-wear properties			N	Any	Any	Any	Any	Any		
	HR	HL-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any		
	HV	HM-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any		
	HS	Synthetic fluids without specific properties			N	Any	Any	Any	Any	Any		
	HETG	Synthetic oil with triglycerides			V	Any	Any	Any	Any	Any		
	HEPR	PAO			V	Any	Any	Any	Any	Any		
	HEPR	PAO	CASTROL	PAO 2 cSt	N	Any	Any	Any	Any	Any		
	HEPR	PAO	FUCHS	RENISO SYNTH 68	N	Any	Any	Any	Any	Any		
	HFDU	Synthetic ester			V	STR	STR	STR	E	M or A		
	HFDU	Synthetic ester	HYSYN	FR	N	Any	Any	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V	STR	STR	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V	STR	STR	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V	Any	Any	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	N	Any	Any	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 888-26	V	Any	Any	STR	E	M or A		
HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 886-68	V	Any	Any	STR	E	M or A			
BIODEGRADEABLE FLUIDS & VEGETABLE OILS	HEES	Synthetic ester biodegradable			V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	N	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Any	Any		
OFFSHORE & SELECTED WATER BASED FLUIDS	HFAE	Fire resistant oil-in-water emulsion			N	STR	STR	STR	Any	M or A		
	HFAS	Fire resistant chemical solution in water			N	STR	STR	STR	Any	M or A		
	HFB	Fire resistant water in oil emulsion			N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution			N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 273 CTF	N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 620	N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 440	N or V	STR	STR	STR	Any	M or A		
PHOSPHATE ESTHER & AGGRESSIVE LIQUID APPLICATIONS	HFRD	Synthetic phosphate ester			V	STR	STR	STR	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	500B-4	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	LD-4	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	5	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	HOUGHTON	HOUGHTO SAFE 1120	V	STR	STR	STR	Any	M or A		
	HFRD	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	Any	Any	E	M or A		

HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HEAD	FILTER HOUSING	FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	SPIN-ON FILTERS	
Fluid main category	Fluid name	Fluid type	Fluid Brand	Fluid designation	N= BUNA N V= FPM E= EPDM	STR= Surface treatment required	STR= Surface treatment required	STR= Surface treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	MPS	MSH
SYNTHETIC OR MINERAL BASED LIQUIDS	HH	Untreated refined mineral oils			N	Any	Any	Any	Any	Any		
	HL	Refined mineral oils with anti-rust and anti-oxidant properties			N	Any	Any	Any	Any	Any		
	HM	HL-type oils with better anti-wear properties			N	Any	Any	Any	Any	Any		
	HR	HL-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any		
	HV	HM-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any		
	HS	Synthetic fluids without specific properties			N	Any	Any	Any	Any	Any		
	HETG	Synthetic oil with triglycerides			V	Any	Any	Any	Any	Any		
	HEPR	PAO			V	Any	Any	Any	Any	Any		
	HEPR	PAO	CASTROL	PAO 2 cSt	N	Any	Any	Any	Any	Any		
	HEPR	PAO	FUCHS	RENISO SYNTH 68	N	Any	Any	Any	Any	Any		
	HFDU	Synthetic ester			V	STR	STR	STR	E	M or A		
	HFDU	Synthetic ester	HYSYN	FR	N	Any	Any	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V	STR	STR	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V	STR	STR	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V	Any	Any	STR	Any	M or A		
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	N	Any	Any	STR	Any	M or A		
HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 888-26	V	Any	Any	STR	E	M or A			
HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 886-68	V	Any	Any	STR	E	M or A			
BIODEGRADABLE FLUIDS & VEGETABLE OILS	HEES	Synthetic ester biodegradable			V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	N	Any	Any	Any	Any	Any		
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Any	Any		
OFFSHORE & SELECTED WATER BASED FLUIDS	HFAE	Fire resistant oil-in-water emulsion			N	STR	STR	STR	Any	M or A		
	HFAS	Fire resistant chemical solution in water			N	STR	STR	STR	Any	M or A		
	HFB	Fire resistant water in oil emulsion			N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution			N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 273 CTF	N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 620	N or V	STR	STR	STR	Any	M or A		
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 440	N or V	STR	STR	STR	Any	M or A		
PHOSPHATE ESTHER & AGGRESSIVE LIQUID APPLICATIONS	HFRD	Synthetic phosphate ester			V	STR	STR	STR	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	500B-4	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	LD-4	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SKYDROL	5	E	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	HOUGHTON	HOUGHTO SAFE 1120	V	STR	STR	STR	Any	M or A		
	HFRD	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	Any	Any	E	M or A		
	HFRD	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	Any	Any	E	M or A		





HYDRAULIC FILTRATION PRODUCTS FLUID COMPATIBILITY TABLE					SEALS	FILTER HEAD	FILTER HOUSING	FILTER ELEMENT END CAPS	FILTER ELEMENT GLUE	FILTER ELEMENT MEDIA	STAINLESS STEEL HIGH PRESSURE FILTERS					
Fluid main category	Fluid name	Fluid type	Fluid Brand	Fluid designation	N= BUNA N V= FPM E= EPDM	STR= Surface treatment required	STR= Surface treatment required	STR= Surface treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	FZP	FZH	FZX	FZB	FZM	FZD
SYNTHETIC OR MINERAL BASED LIQUIDS	HH	Untreated refined mineral oils			N	Any	Any	Any	Any	Any						
	HL	Refined mineral oils with anti-rust and anti-oxidant properties			N	Any	Any	Any	Any	Any						
	HM	HL-type oils with better anti-wear properties			N	Any	Any	Any	Any	Any						
	HR	HL-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any						
	HV	HM-type oils with better viscosity / temperature properties			N	Any	Any	Any	Any	Any						
	HS	Synthetic fluids without specific properties			N	Any	Any	Any	Any	Any						
	HETG	Synthetic oil with triglycerides			V	Any	Any	Any	Any	Any						
	HEPR	PAO			V	Any	Any	Any	Any	Any						
	HEPR	PAO	CASTROL	PAO 2 cSt	N	Any	Any	Any	Any	Any						
	HEPR	PAO	FUCHS	RENISO SYNTH 68	N	Any	Any	Any	Any	Any						
	HFDU	Synthetic ester			V	STR	STR	STR	E	M or A						
	HFDU	Synthetic ester	HYSYN	FR	N	Any	Any	STR	Any	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-200FR	V	STR	STR	STR	Any	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC N822-300	V	STR	STR	STR	Any	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V	Any	Any	STR	Any	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	N	Any	Any	STR	Any	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 888-26	V	Any	Any	STR	E	M or A						
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 886-68	V	Any	Any	STR	E	M or A						
BIODEGRADEABLE FLUIDS & VEGETABLE OILS	HEES	Synthetic ester biodegradable			V	Any	Any	Any	Any	Any						
	HEES	Synthetic ester biodegradable	CASTROL	Bio HE	V	Any	Any	Any	Any	Any						
	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Any	Any						
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	N	Any	Any	Any	Any	Any						
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Any	Any						
OFFSHORE & SELECTED WATER BASED FLUIDS	HFAE	Fire resistant oil-in-water emulsion			N	STR	STR	STR	Any	M or A						
	HFAS	Fire resistant chemical solution in water			N	STR	STR	STR	Any	M or A						
	HFB	Fire resistant water in oil emulsion			N or V	STR	STR	STR	Any	M or A						
	HFC	Fire resistant water polymer solution			N or V	STR	STR	STR	Any	M or A						
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 273 CTF	N or V	STR	STR	STR	Any	M or A						
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 620	N or V	STR	STR	STR	Any	M or A						
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PHOSPHATE ESTHER & AGGRESSIVE LIQUID APPLICATIONS	HFRD	Synthetic phosphate ester			V	STR	STR	STR	E	M or A						
	HFRD	Synthetic phosphate ester	SKYDROL	500B-4	E	Any	Any	Any	E	M or A						
	HFRD	Synthetic phosphate ester	SKYDROL	LD-4	E	Any	Any	Any	E	M or A						
	HFRD	Synthetic phosphate ester	SKYDROL	5	E	Any	Any	Any	E	M or A						
	HFRD	Synthetic phosphate ester	HOUGHTON	HOUGHTO SAFE 1120	V	STR	STR	STR	Any	M or A						
	HFRD	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	Any	Any	E	M or A						
	HFRD	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	Any	Any	E	M or A						

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Fluid main category	Fluid name	Fluid type	Fluid Brand	Fluid designation	N= BUNA N V= FPM E= EPDM	STR= Surface treatment required	STR= Surface treatment required	STR= Surface treatment required	P= Polyurethane E= Epoxy	M= metallic wire mesh A = Microfibre P = Paper	FMMX ATEX	FZP ATEX	FZH ATEX	FZX ATEX
SYNTHETIC OR MINERAL BASED LIQUIDS	HH	Untreated refined mineral oils			N	Any	Any	Any	Any	Any				
	HL	Refined mineral oils with anti-rust and anti-oxidant properties			N	Any	Any	Any	Any	Any				
	HM	HL-type oils with better anti-wear properties			N	Any	Any	Any	Any	Any				
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	HS	Synthetic fluids without specific properties			N	Any	Any	Any	Any	Any				
	HETG	Synthetic oil with triglycerides			V	Any	Any	Any	Any	Any				
	HEPR	PAO			V	Any	Any	Any	Any	Any				
	HEPR	PAO	CASTROL	PAO 2 cSt	N	Any	Any	Any	Any	Any				
	HEPR	PAO	FUCHS	RENISO SYNTH 68	N	Any	Any	Any	Any	Any				
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	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-450	V	Any	Any	STR	Any	M or A				
	HFDU	Synthetic ester	QUAKER HOUGHTON	QUINTOLUBRIC 822-300 CM	N	Any	Any	STR	Any	M or A				
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	HEES	Synthetic ester biodegradable	MOTOREX	OEKOSYNT HEES	V	Any	Any	Any	Any	Any				
	HEES	Synthetic ester biodegradable	SHELL	PANOLIN S4 HLP Synth	N	Any	Any	Any	Any	Any				
	HEES	Synthetic ester biodegradable	SHELL	NATURELLE HF	V	Any	Any	Any	Any	Any				
OFFSHORE & SELECTED WATER BASED FLUIDS	HFAE	Fire resistant oil-in-water emulsion			N	STR	STR	STR	Any	M or A				
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	HFB	Fire resistant water in oil emulsion			N or V	STR	STR	STR	Any	M or A				
	HFC	Fire resistant water polymer solution			N or V	STR	STR	STR	Any	M or A				
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 273 CTF	N or V	STR	STR	STR	Any	M or A				
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 620	N or V	STR	STR	STR	Any	M or A				
	HFC	Fire resistant water polymer solution	HOUGHTON	HOUGHTO SAFE 440	N or V	STR	STR	STR	Any	M or A				
PHOSPHATE ESTHER & AGGRESSIVE LIQUID APPLICATIONS	HFRD	Synthetic phosphate ester			V	STR	STR	STR	E	M or A				
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	HFRD	Synthetic phosphate ester	SKYDROL	5	E	Any	Any	Any	E	M or A				
	HFRD	Synthetic phosphate ester	HOUGHTON	HOUGHTO SAFE 1120	V	STR	STR	STR	Any	M or A				
	HFRD	Synthetic phosphate ester	FYRQUEL	FYRQUEL EHC	V	Any	Any	Any	E	M or A				
	HFRD	Synthetic phosphate ester	SHELL	TURBO DR46	V	Any	Any	Any	E	M or A				