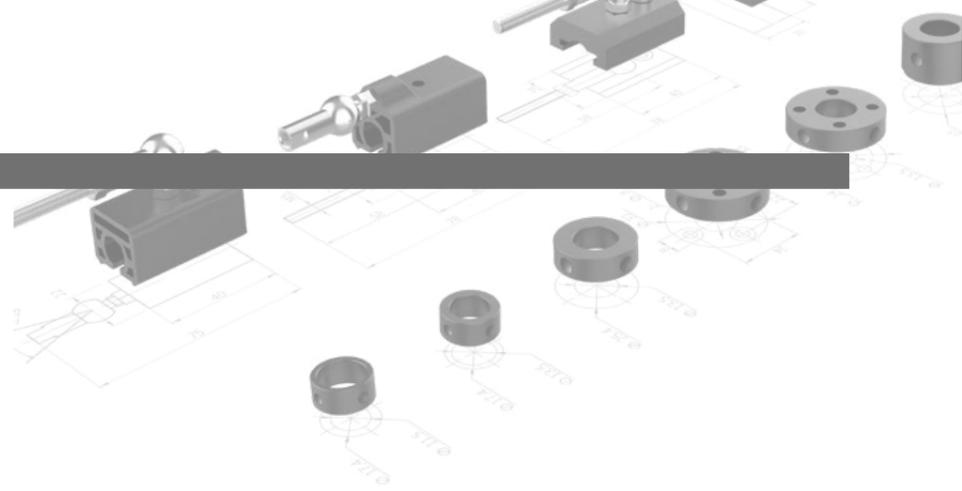


2025 SELECTION GUIDE

Accessories selection manual



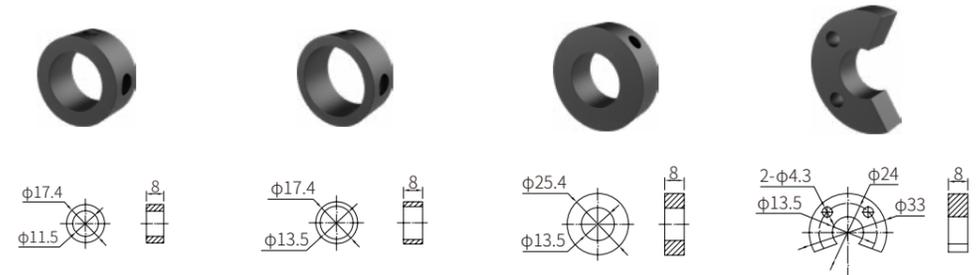
Contacts



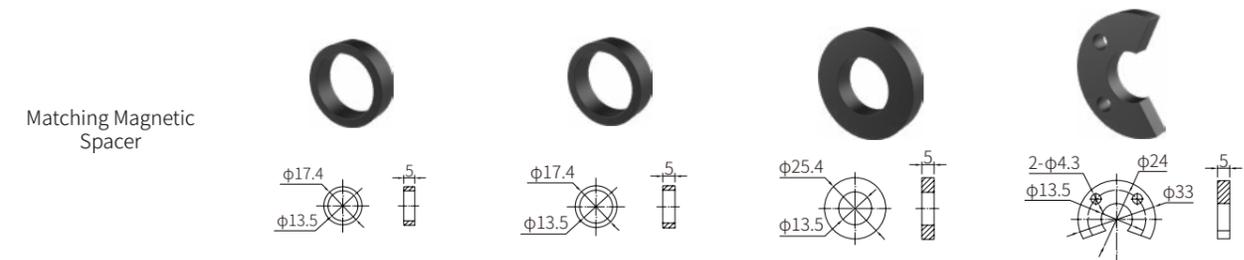
Position Magnet, Magnetic Isolation Spacer, Fixing Clip, Connecting Link

“★” Common Standard Magnetic Ring And Magnetic Isolation Spacer

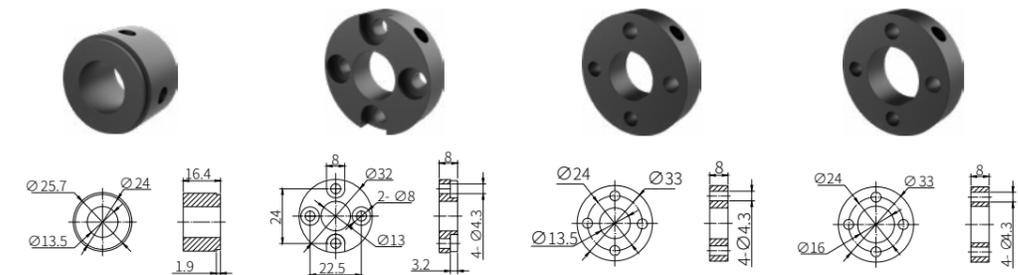
Standard Magnetic Ring And Magnetic Spacer	03
Float	13
Slider Magnet, Floating Magnet	15
Fixing Clip	18
Aerial plug And Connector	19
Shielded Cable、Standard Integrated Cable	24



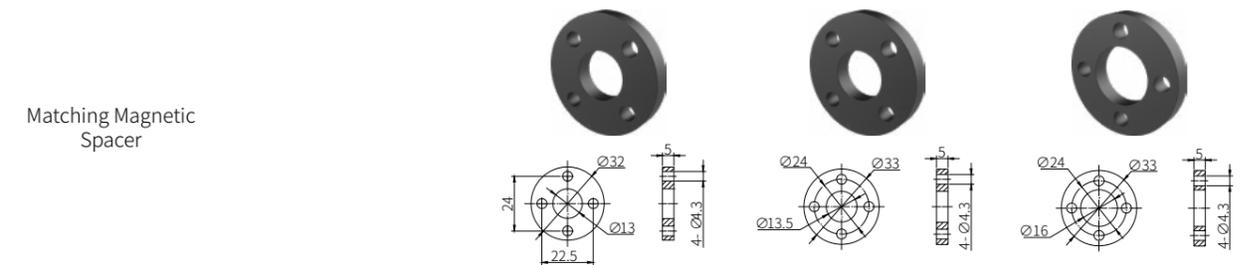
Name	Ring Magnet	Ring Magnet	Ring Magnet	U-shaped Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1020	12-1032*	12-1019*	12-1017*



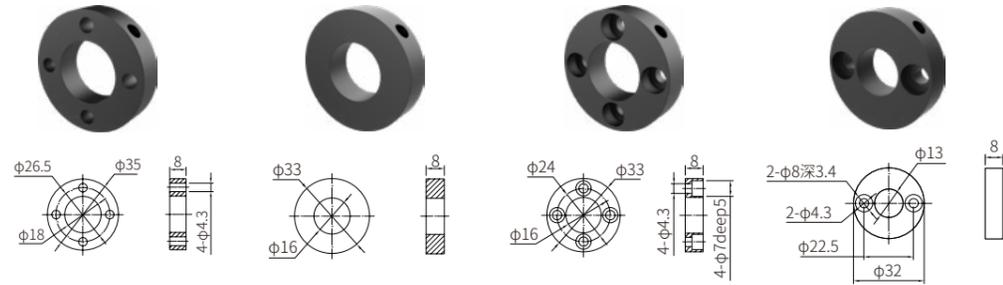
Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	U-shaped Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1037	12-1037*	12-1021*	12-1018*



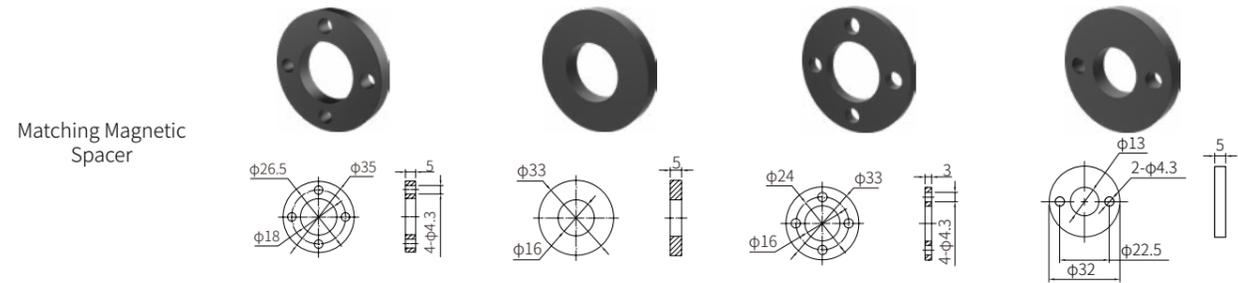
Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1026*	12-1024*	12-1001*	12-1033*



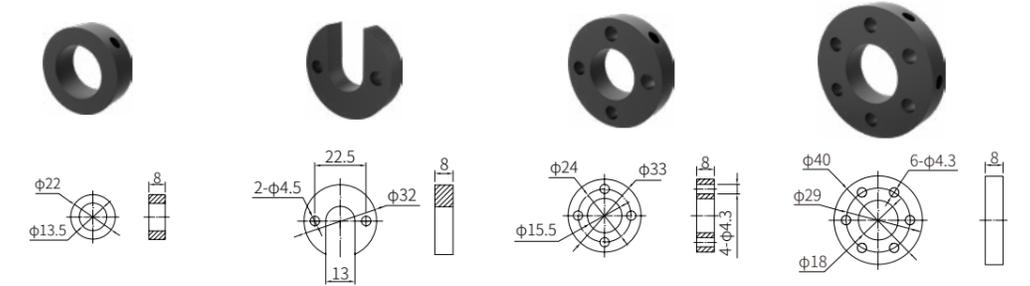
Name		Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material		Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code		12-1025*	12-1008*	12-1034*



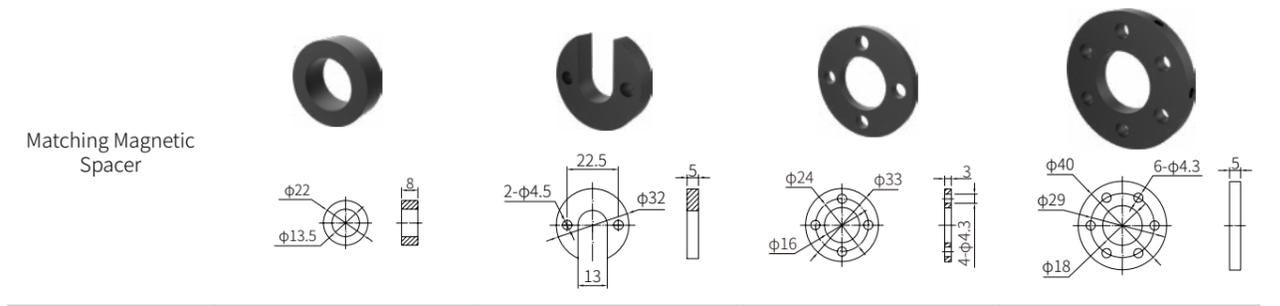
Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1041	12-1028	12-1035	12-1049



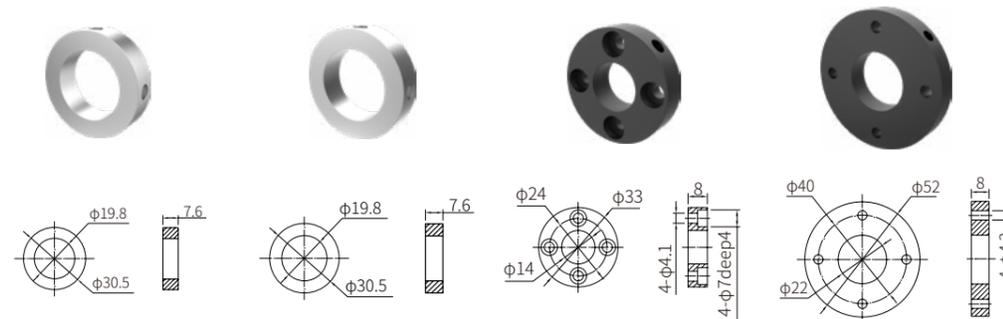
Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1042	12-1043	12-1047	12-1061



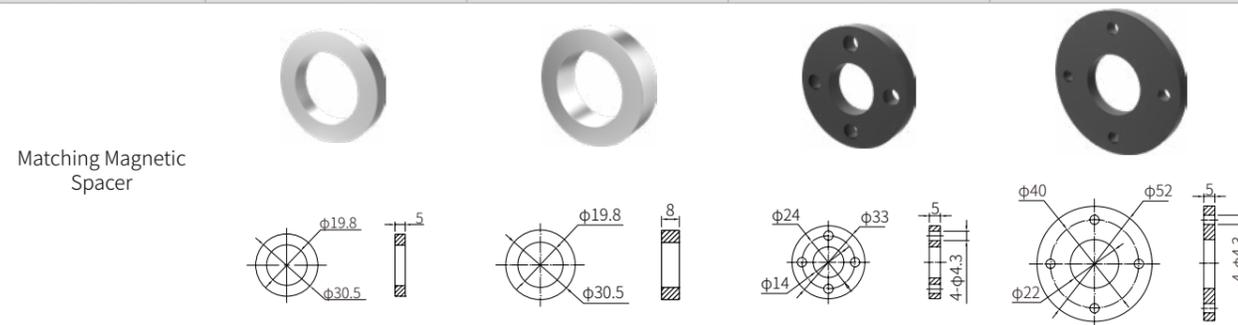
Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1067	12-1095	12-1066	12-1054



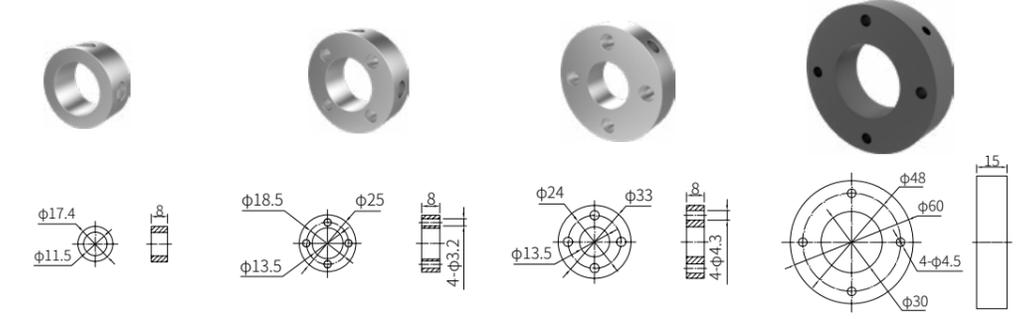
Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1126	12-1099	12-1047	12-1071



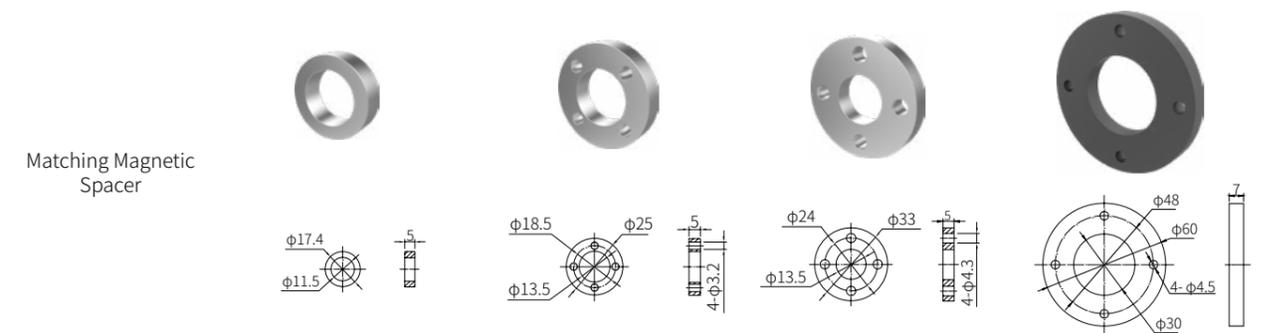
Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Stainless Steel	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1050	12-1065	12-1057	12-1055



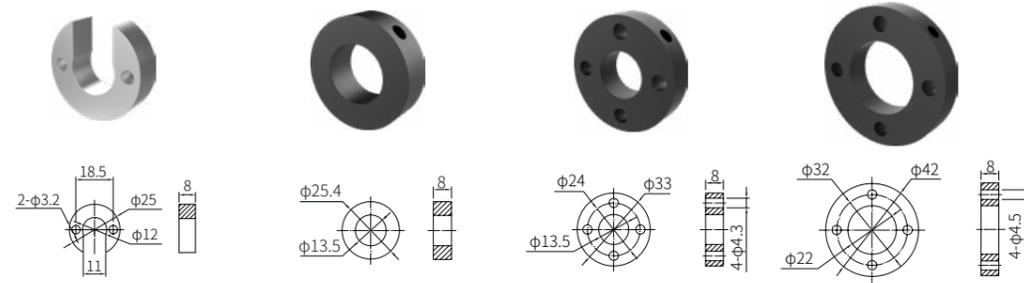
Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Stainless Steel	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1051	12-1063	12-1062	12-1056



Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Stainless Steel	Stainless Steel	Stainless Steel	Aluminum Alloy
Order Code	12-1069	12-1073	12-1091	12-1082

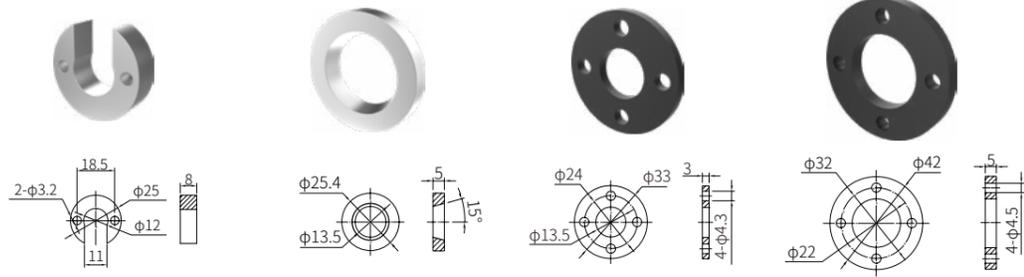


Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Stainless Steel	Stainless Steel	Stainless Steel	Aluminum Alloy
Order Code	12-1070	12-1074	12-1092	12-1142

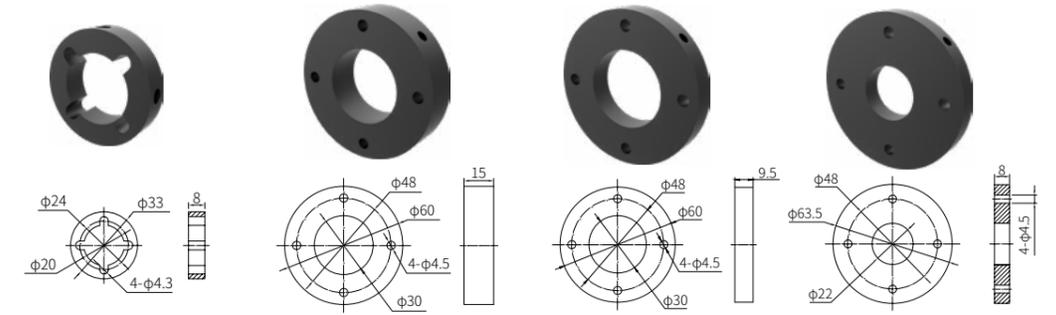


Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Injection-molded Ferrite	Aluminum Alloy
Order Code	12-1103	12-1019	12-1118	12-1105

Matching Magnetic Spacer

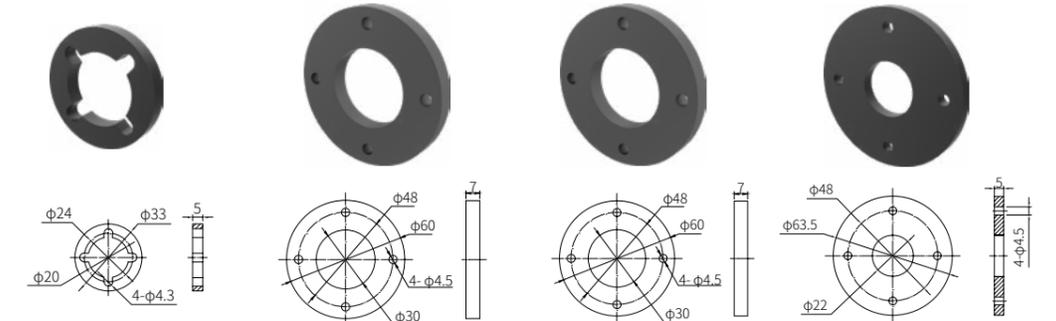


Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1104	12-1111	12-1040	12-1117

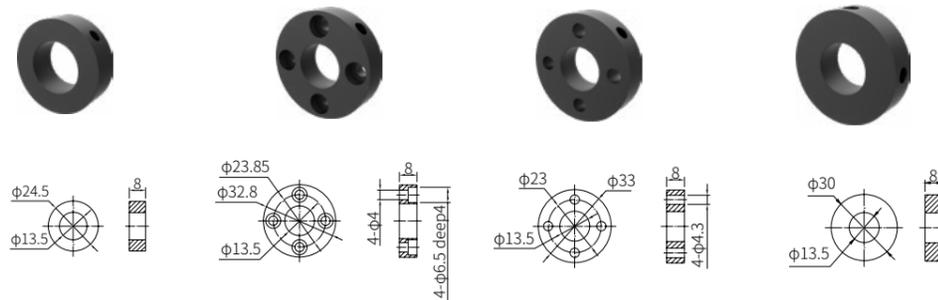


Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1122	12-1127	12-1151	12-1132

Matching Magnetic Spacer

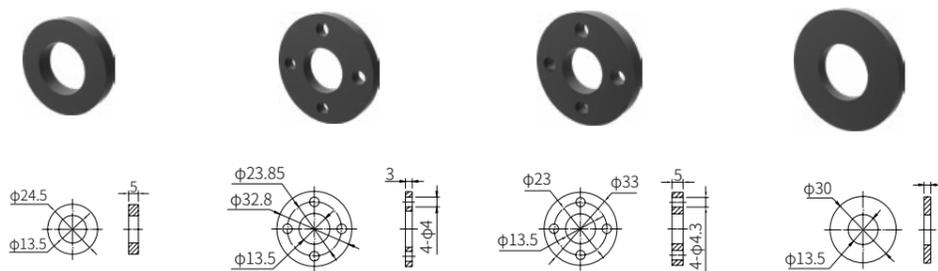


Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1123	12-1142	12-1142	12-1133

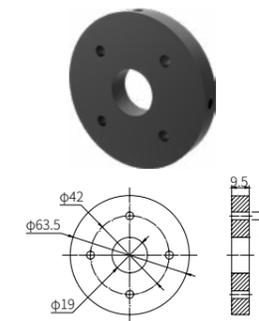


Name	Ring Magnet	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1098	12-1135	12-1131	12-1161

Matching Magnetic Spacer

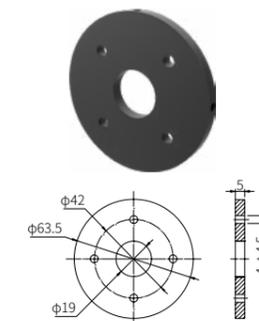


Name	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer	Magnetic Isolation Spacer
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1097	12-1136	12-1130	12-1162

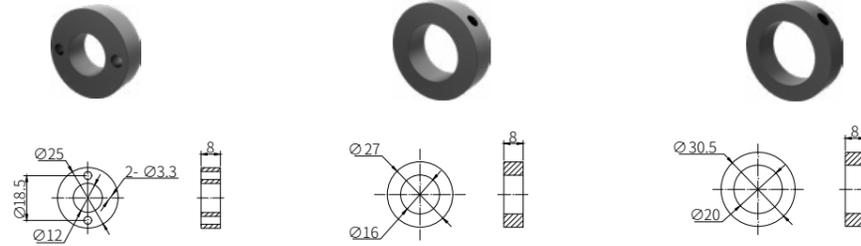


Name	Ring Magnet
Material	Aluminum Alloy
Order Code	12-1156

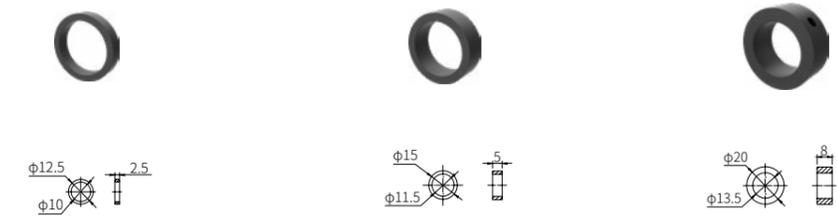
Matching Magnetic Spacer



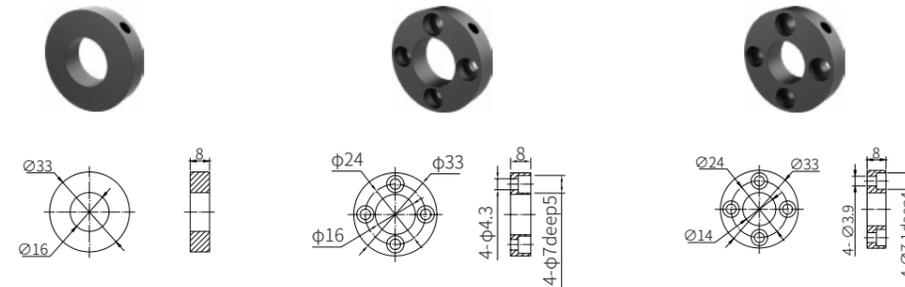
Name	Magnetic Isolation Spacer
Material	Aluminum Alloy
Order Code	12-1157



Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1030	12-1029	12-1022



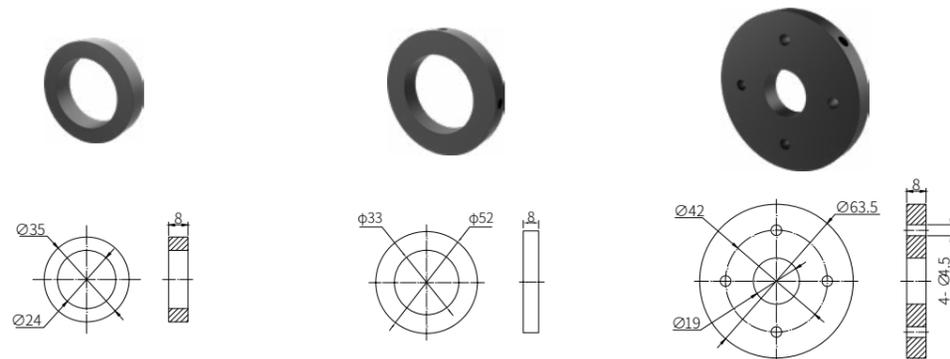
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1147	12-1141	12-1159



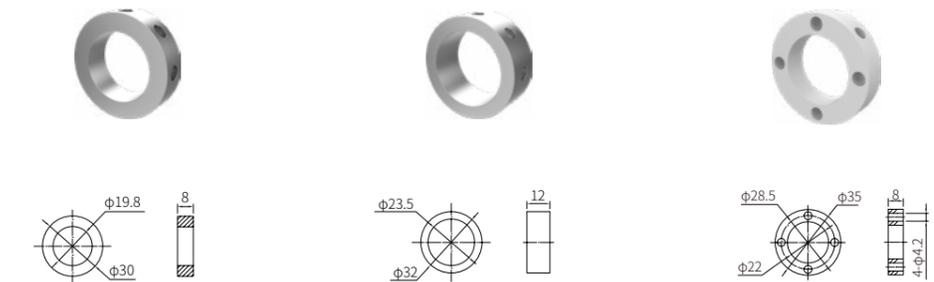
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1028	12-1035	12-1036



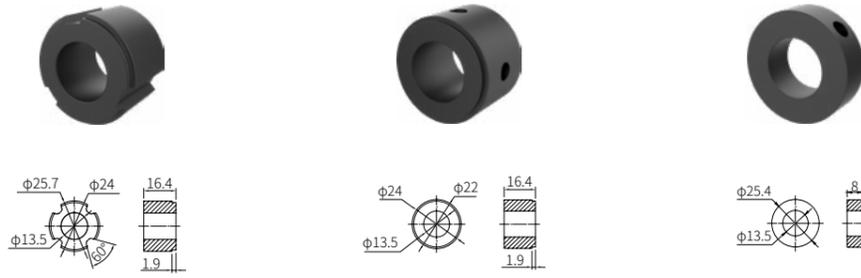
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1085	12-1089	12-1148



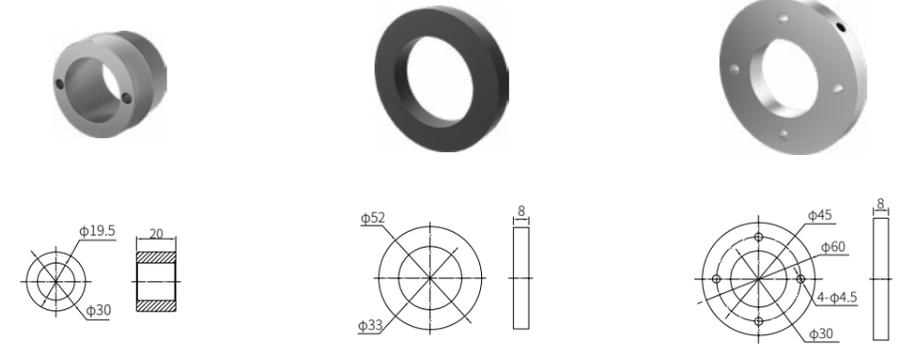
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1027	12-1128	12-1023



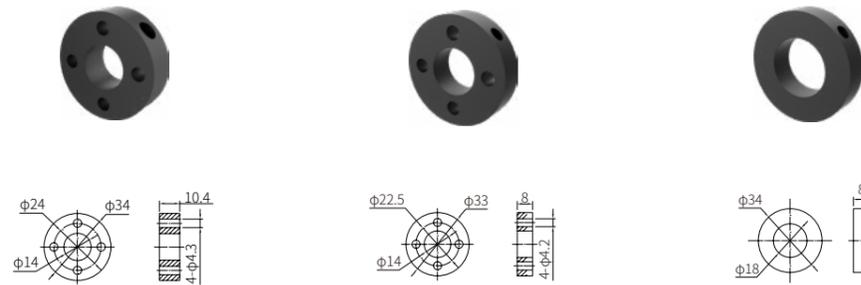
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Stainless Steel	Stainless Steel	PTFE (Polytetrafluoroethylene)
Order Code	12-1088	12-1084	12-1044



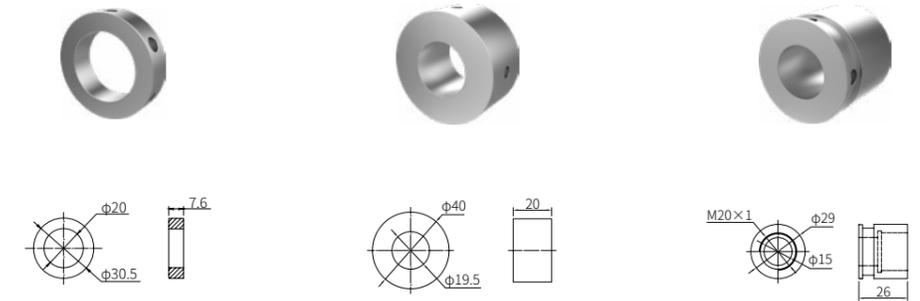
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Injection-molded Ferrite
Order Code	12-1112	12-1120	12-1140



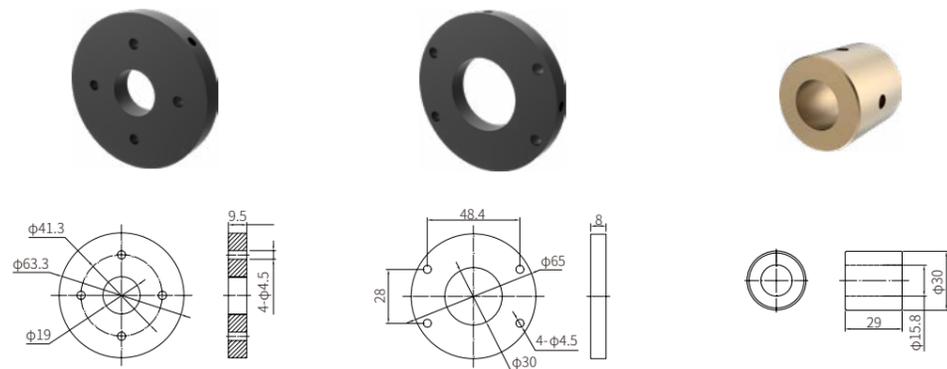
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Stainless Steel	Aluminum Alloy	Stainless Steel
Order Code	12-1078	12-1064	12-1113



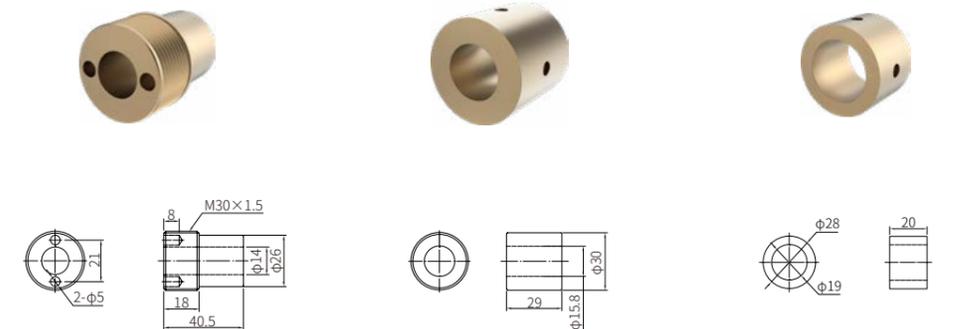
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Order Code	12-1121	12-1058	12-1053



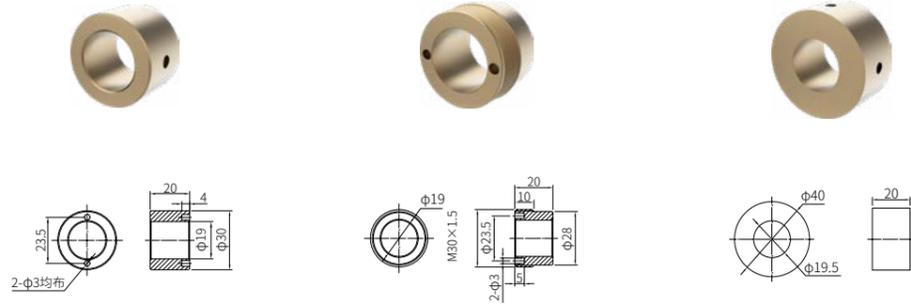
Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Stainless Steel	Stainless Steel
Order Code	12-1158	12-1077	12-1106



Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Aluminum Alloy	Aluminum Alloy	Brass
Order Code	12-1046	12-1052	12-1039



Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Brass	Brass	Brass
Order Code	12-1038	12-1093	12-1102

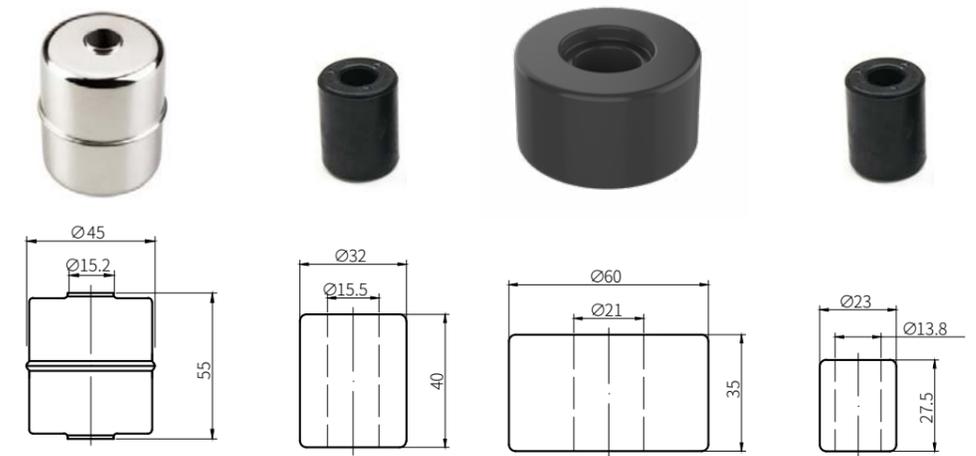


Name	Ring Magnet	Ring Magnet	Ring Magnet
Material	Copper Alloy H62	Copper Alloy H62	Copper Alloy H62
Order Code	12-1083	12-1079	12-1081

Float



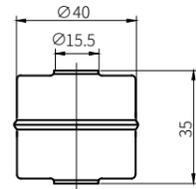
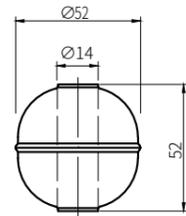
Name	Float	Float	Float	Float
Density	0.92g/cm ³	0.66g/cm ³	0.92g/cm ³	0.66g/cm ³
Material	316L	316L	316L	316LPTFE-coated Surface
Applicable Medium	Water	Oil	Water	Oil
Operating Temperature	-40~105°C			
Order Code	11-1050	11-1051	11-1048	11-1049



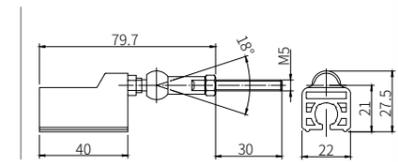
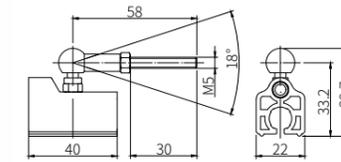
Name	Float	Float	Float	Float
Density	0.53g/cm ³	0.44g/cm ³	0.5g/cm ³	0.71g/cm ³
Material	316L	NBR	NBR	NBR
Applicable Medium	Oil	/	/	/
Operating Temperature	-40~105°C			
Order Code	11-1052	11-1053	11-1054	11-1056

Slider Magnet, Floating Magnet

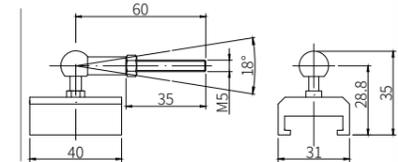
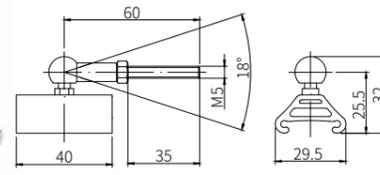
“*” Standard Slider Blocks and Other Accessories



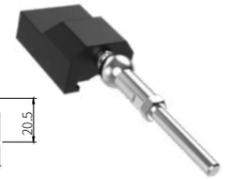
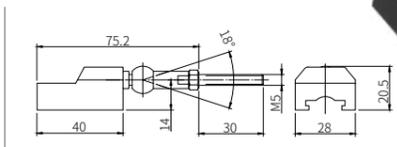
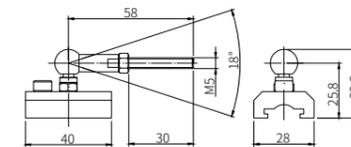
Name	Float	Float
Density	0.7g/cm ³	0.53g/cm ³
Material	Pure titanium	316L
Applicable Medium	Corrosive Medium	Oil
Operating Temperature	-40~250°C	-40~105°C
Order Code	11-1061	11-1055



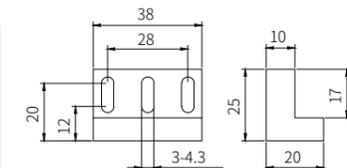
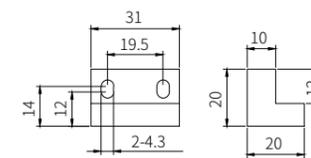
Name	S-type Slider Magnet	V-type Slider Magnet
Operating Temperature	-40~105°C	
Compatible Product	T3P	
Order Code	12-1114*	12-1115*



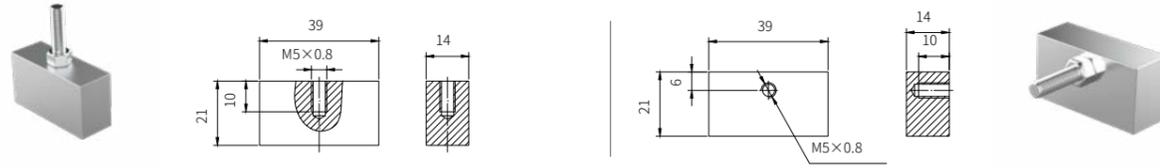
Name	S-type Slider Magnet	S-type Slider Magnet
Operating Temperature	-40~105°C	
Compatible Product	GP2、GL2 Series	ZF Series
Order Code	12-1116*	12-1090*



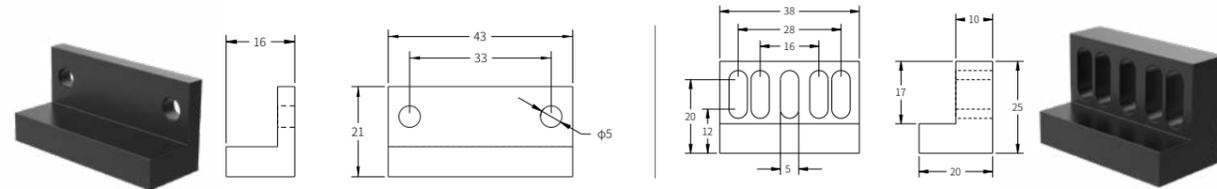
Name	S-type Slider Magnet	V-type Slider Magnet
Operating Temperature	-40~105°C	
Compatible Product	TP	
Order Code	12-1004*	12-1005*



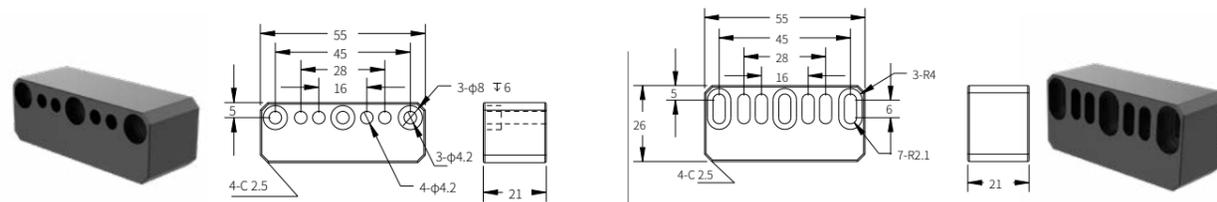
Name	Floating Magnet 31x20	Floating Magnet 38x25
Operating Temperature	-40~105°C	
Order Code	12-1010*	12-1009



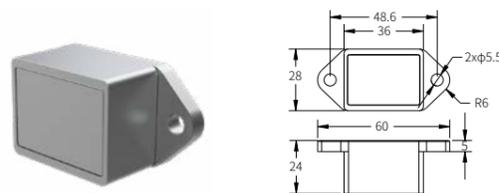
Name	Floating Magnet 39×21×14 (Top Thread)	Floating Magnet 39×21×14 (Side Thread)
Order Code	12-1012	12-1011



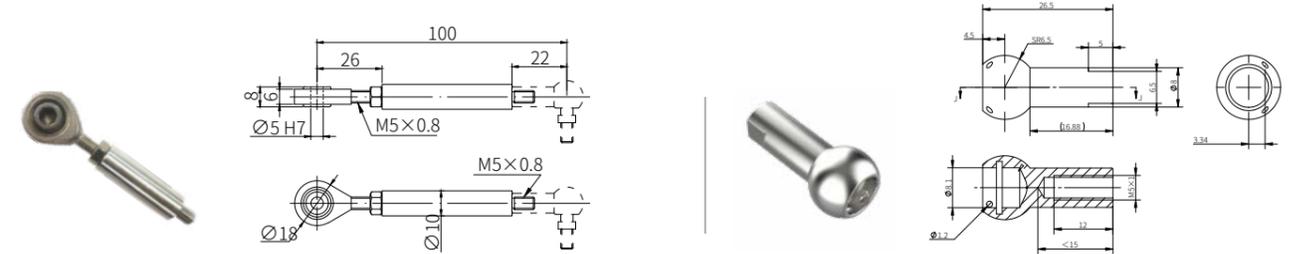
Name	Floating Magnet 43x16x21	Floating Magnet 38x25
Operating Temperature	-40~105°C	
Order Code	12-1013	12-1080



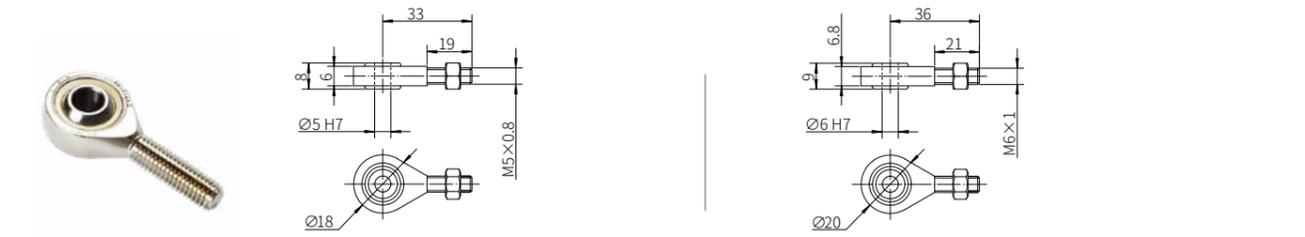
Name	Floating Magnet 52x21x20	Floating Magnet 55x21x26
Operating Temperature	-40~105°C	
Order Code	12-1155	12-1152



Name	Floating Magnet 60x28x24
Order Code	12-1129



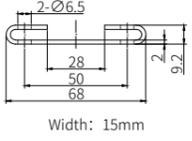
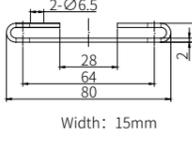
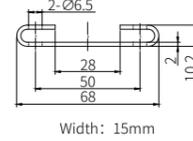
Name	Connecting Rod	Straight Ball Joint Bearing
Compatible Product	S-type Slider	V-type Slider Magnet
Order Code	11-1005*	

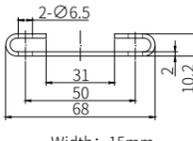
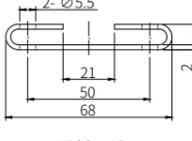
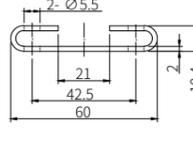


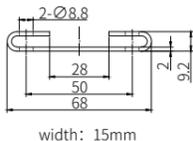
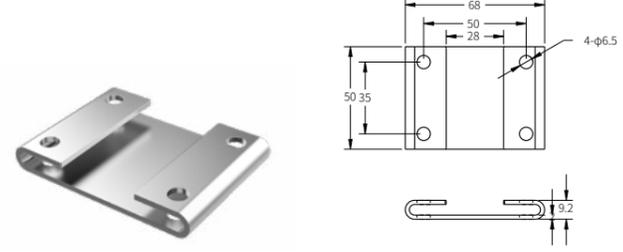
Name	M5 Rod-end Bearing	M6 Rod-end Bearing
Compatible Product	Connecting Rod	Connecting Rod
Order Code	11-1007	11-1008*

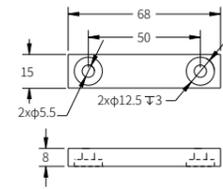
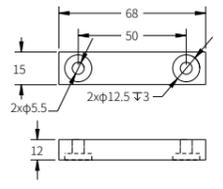
Fixing Clip

“★” Standard Slider Blocks and Other Accessories

			
Name	Adjustable Fixing Clip	Adjustable Fixing Clip	Adjustable Fixing Clip
Compatible Product	T3P、EP2		
Order Code	11-1003*	11-1004	11-1060*

			
Name	Adjustable Fixing Clip	Adjustable Fixing Clip	Adjustable Fixing Clip
Compatible Product	GR	ZF	ZF
Order Code	11-1009*	11-1020*	11-1021

		
Name	Adjustable Fixing Clip+Insulation Sleeve	Splicing Fixing Clip
Compatible Product	T3P、EP2	T3P、EP2
Order Code	11-1011	11-1058

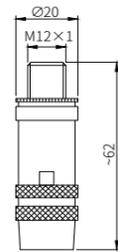
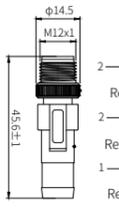
		
Name	Adjustable Fixing Clip Spacer	Adjustable Fixing Clip Spacer
Material	Nylon	Nylon
Compatible Product	50 Hole Distance Adjustable Clip	50 Hole Distance Adjustable Clip
Order Code	11-1012	11-1013

Connector

M8 Aerial insertion type selection

	4-pin M8 Aviation Socket (Female)
Terminal Diagram	
Compatible	Profibus-DP (Power Source) Profinet (Power Source) EtherCAT (Power Source)
Housing Material	Nickel-Plated Zinc
Compatible Cable Diameter	3.5~5mm
Terminal	Soldering
Order Code	18-1001 (Female)

M12 Aerial insertion type selection

					
Name	4-pin M12 Aviation Plug (Male)	4-pin M12 Aviation Plug (Male) (D buckle)	5-pin M12 Aviation Plug (Male)	5-pin M12 Aviation Plug (Male) (B buckle)	5-pin M12 Aviation Plug (Male) (B buckle) with Terminal Resistor
Terminal Diagram					
Compatible	Analog	Profinet EtherCAT	Analog CANopen	Profibus-DP	Profibus-DP 2/4Pin Connected to220Ω Resistor 2/3Pin Connected to390Ω Resistor 1/4Pin Connected to390Ω Resistor
Housing Material	Nickel-Plated Zinc				PVC Coated
Compatible Cable Diameter	6~8mm				/
Terminal	Threaded Connection				/
Order Code	18-1002 (Male)	18-1011 (Male)	18-2011 (Male)	18-2002 (Male)	18-2015(Male)

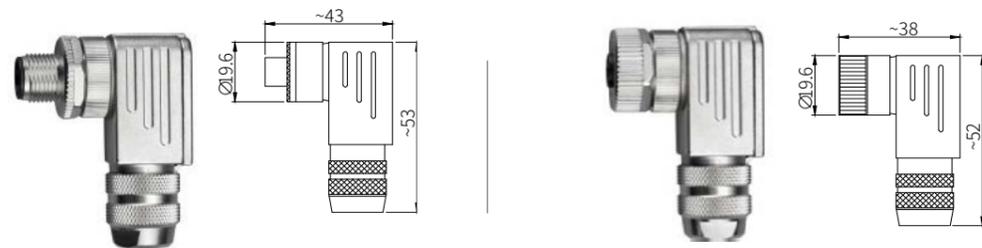


Name	5-pin M12 Aviation Socket (Female) (B buckle)	5-pin M12 Aviation Socket (Female)	5-pin M12 Aviation Socket (Female)	8-pin M12 Aviation Socket (Female)
Terminal Diagram				
Compatible	Profibus-DP	Analog CANopen	Analog CANopen	Analog SSI Start/Stop
Housing Material	Nickel-Plated Zinc			
Compatible Cable Diameter	6~8mm	6~8mm	8~10mm	
Terminal	Threaded Connection			
Order Code	18-2001 (Female)	18-2008 (Female)	18-2007 (Female)	18-5004 (Female)



Name	4-pin M12 Aviation Socket (Female)	5-pin M12 Aviation Socket (Female)	8-pin M12 Aviation Socket (Female)	5-pin M12 Aviation Socket (Female)
Terminal Diagram				
Compatible	Analog	Analog CANopen	Analog SSI Start/Stop	Analog CANopen
Housing Material	Polyamide			
Compatible Cable Diameter	6~8mm			
Terminal	Threaded Connection			
Order Code	18-1004 (Female)	18-2005 (Female)	18-5001 (Female)	18-2006 (Female)

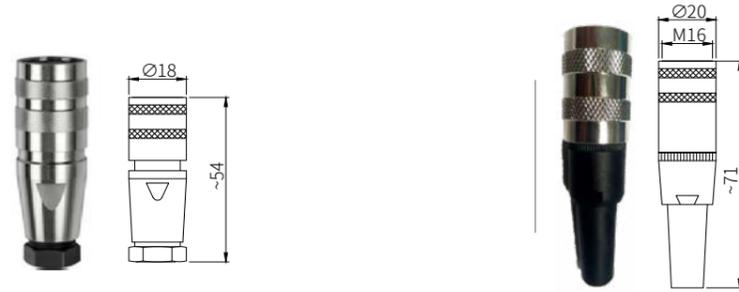
M16 Aerial insertion type selection



Name	4-pin M16 Aviation Plug (Male) (D buckle)	5-pin M16 Aviation Plug (Male) (B buckle)	5-pin M16 Aviation Socket (Female)	5-pin M16 Aviation Socket (Female) (B buckle)	8-pin M16 Aviation Socket (Female)
Terminal Diagram					
Compatible	Profinet EtherCAT	Profibus-DP	Analog CANopen	Profibus-DP	Analog SSI Start/Stop
Housing Material	Nickel-Plated Zinc				
Compatible Cable Diameter	6~8mm				
Terminal	Threaded Connection				
Order Code	18-1012 (Male)	18-2004 (Male)	18-2010 (Female)	18-2003 (Female)	18-5005 (Female)



Name	6-pin M16 Aviation Plug (Male)	7-pin M16 Aviation Plug (Male)
Terminal Diagram		
Compatible	Analog Start/Stop CANopen Profibus-DP Profinet EtherCAT	SSI Start/Stop
Housing Material	Nickel-Plated Zinc	
Compatible Cable Diameter	6~8mm	
Terminal	Soldering	
Order Code	18-3002 (Male)	18-4003 (Male)

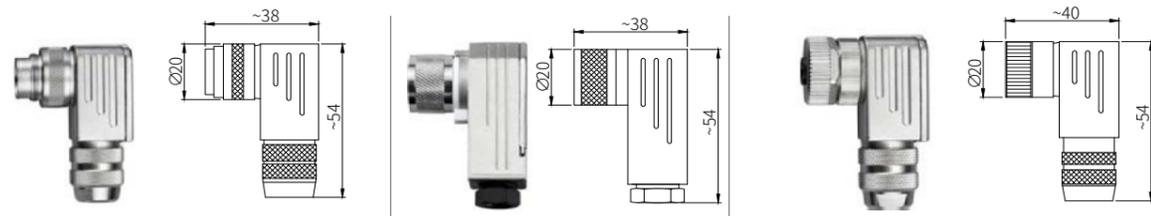


Name	6-pin M16 Aviation Socket (Female)	7-pin M16 Aviation Socket (Female)	6-pin M16 Aviation Socket (Female)	7-pin M16 Aviation Socket (Female)	8-pin M16 Aviation Socket (Female)
Terminal Diagram					
Compatible	Analog Start/Stop Profibus-DP	SSI Start/Stop	CANopen Profinet EtherCAT	SSI, Start-Stop	Analog SSI Start/Stop
Housing Material	Nickel-Plated Zinc				
Compatible Cable Diameter	4~6mm	6~8mm	8~10mm	4~6mm	6~8mm
Terminal	Soldering				
Order Code	18-3001 (Female)	18-4005 (Female)	18-3007 (Female)	18-4001 (Female)	18-5002 (Female)

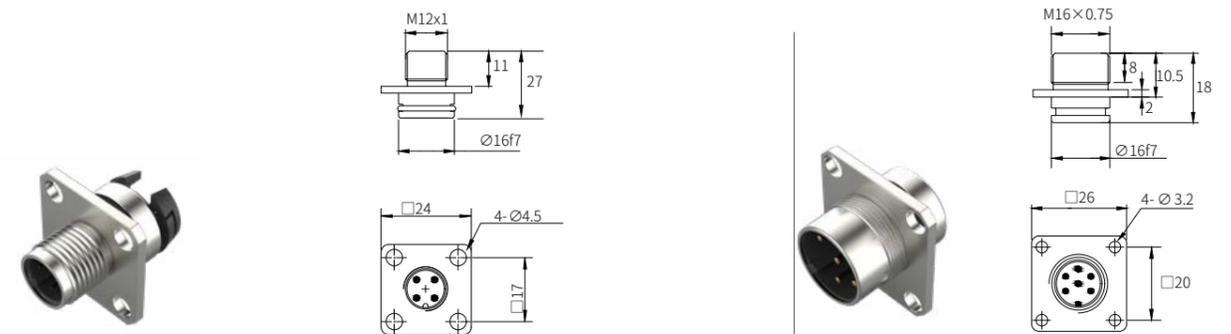
Hessman Connector

Name	Hessman Connector Female	
Drawing		
Compatible	ZF	
Housing Material	Polyamide	
Compatible Cable Diameter	6~8mm	
Terminal	Threaded Connection	
Order Code	18-1006	

Board-end Aviation Connector



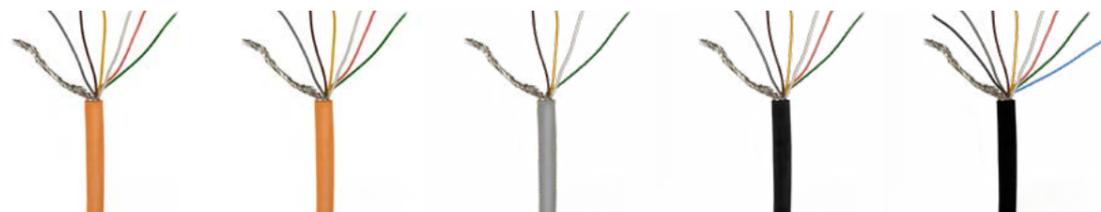
Name	6-pin M16 Aviation Plug (Male)	6-pin M16 Aviation Plug (Female)	7-pin M16 Aviation Plug (Female)	8-pin M16 Aviation Plug (Female)
Terminal Diagram				
Compatible	Analog Start/Stop Profibus-DP Profinet EtherCAT	Analog Start/Stop Profibus-DP Profinet EtherCAT	SSI Start/Stop	Analog SSI Start/Stop
Housing Material	Nickel-Plated Zinc			
Compatible Cable Diameter	6~8mm			
Terminal	Soldering			
Order Code	18-3004 (Male)	18-3003 (Female)	18-4002 (Female)	18-5003 (Female)



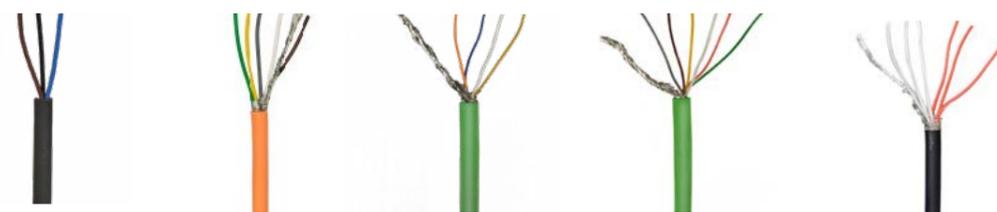
Name	4-pin M12 Board-end Aviation Plug (Male)	5-pin M12 Board-end Aviation Plug (Male)	6-pin M16 Board-end Aviation Plug (Male)	
Terminal Diagram				
Compatible	Analog (Integrated Built-in Type)	Mining Product Analog Output	CANopen (Integrated Built-in Type)	
Housing Material	Nickel-Plated Zinc			
Compatible Cable Diameter	0.25~0.5mm ²			
Terminal	Core Wire	Wire core with mine	Core Wire	
Order Code	18-1003 (Male)	18-1004 (Male)	18-2009 (Male)	
Order Code				18-3006 (Male)

Cable, Integrated Cable

Shielded Cable Selection



Name	Standard Cable Independent Twisted Pair	Standard Cable	Standard Cable Independent Twisted Pair	High-temperature Cable Independent Twisted Pair	Standard Cable
Pin	6-pin 3x2	6-pin	4-pin 2x2	6-pin 3x2	8-pin
Wire marking	0.25mm ²	0.25mm ²	0.25mm ²	0.25mm ²	0.3mm ²
Outside diameter	Φ7.1	Φ6.8	Φ6.8	Φ6.2	Φ7.1
Cable color	Orange	Orange	Gray	Black	Black
Coat material	PUR	PUR	PUR	Teflon	PVC
Operating temperature	-40~90°C	-40~90°C	-40~90°C	-30~200°C	-30~80°C
Shielding layer	Tinned Copper Wire Mesh				Aluminum Alloy Braided Shield
Core color	Brown, White, Yellow, Green, Gray, Pink	Brown, White, Yellow, Green, Gray, Pink	Brown, White, Yellow, Green	Brown, White, Yellow, Green, Gray, Pink	Brown, White, Yellow, Green, Gray, Red, Blue, Black
Compatible interface	Analog SSI Start/Stop CANopen Profibus-DP	Analog Start/Stop Profibus-DP	Analog CANopen	Analog SSI Start/Stop CANopen Profibus-DP	Analog
Order Code	16-1012	16-1002	16-1001	16-1010	16-1044



Name	Standard Cable	Standard Cable	Standard Cable Independent Twisted Pair	Standard Cable Independent Twisted Pair	Marine cable
Pin	3-pin	5-pin	4-pin 2x2	6-pin 3x2	6-pin
Wire marking	0.25mm ²	0.25mm ²	0.25mm ²	0.25mm ²	3x2x0.5mm ²
Outside diameter	Φ4.6	Φ5.8	Φ6.8	Φ7.6	Φ10
Color	Black	Orange	Green	Green	Black
Coat material	PUR	PUR	PUR	PUR	PO/PVC
Operating temperature	-40~80°C	-40~90°C	-40~90°C	-40~90°C	-20~90°C
Shielding layer	none	Tinned Copper Wire Mesh			-
Core color	Brown, Blue, Black	Brown, White, Yellow, Green, Gray	Yellow, White, Orange, Blue	Brown, White, Yellow, Green, Gray, Pink	Red1, White1, Red2, White2, Red3, White3
Compatible interface	Profibus-DP Profinet EtherCAT	Analog	Profinet EtherCAT EtherNET/IP Profibus-DP	Profinet EtherCAT EtherNET/IP (Single outlet)	Analog SSI
Order Code	16-1046	16-1003	16-1042	16-1031	16-1041



Name	Cable (coal safety cable)	Cable (coal safety cable)			
Pin	4-pin	4-pin	4-pin	6-pin	8-pin
Wire marking	0.37mm ²	0.37mm ²	0.37mm ²	0.43mm ²	0.15mm ²
Outside diameter	Φ8	Φ8	Φ8	Φ10	Φ8
Color	Black	Blue	Blue	Blue	Black
Coat material	PVC	PVC	PVC	PVC	PVC
Operating temperature	-40~90°C	-40~90°C	-40~90°C	-40~90°C	-40~90°C
Shielding layer	Tinned Copper Wire Mesh				
Core color	Red, White, Green, Blue	Red, White, Green, Blue	Brown, Black, Blue, Gray	Brown, Blue, Black, Red, White, Green	Red, White, Yellow, Green, Blue, Brown, Black, Purple
Compatible interface	Analog CANopen	Analog CANopen	Analog CANopen	Analog CANopen	SSI
Order Code	16-1025	16-1030	16-1083	16-1073	16-1076



Name	Standard Cable Independent Twisted Pair	Standard Cable	Standard Cable	Standard Cable	8-pin Shielded Cable
Pin	4-pin 2x2	5-pin	4-pin	3-pin	8-pin 4x2
Wire Marking	0.25mm ²	0.25mm ²	0.25mm ²	0.5mm ²	0.25mm ²
Outside Diameter	Φ6.8	Φ6.8	Φ5	Φ5.6	Φ7.1
Color	Gray	Gray	Orange	Black	Black
Coat materia	PUR	PUR	PUR	PUR	PUR
Operating temperature	-40~90°C	-40~90°C	-40~90°C	-40~90°C	-40~90°C
Shielding Layer	Tinned Copper Wire Mesh				
Core color	Brown, White, Yellow, Green	Brown, White, Yellow, Green, Gray	Brown, White, Yellow, Green	Brown, Blue, Olivine	Red, White, Yellow, Green, Black, Gray, Blue, Brown
Compatible	CANopen	Analog	Analog	AMP connector	IO-Link+Analog
Order Code	16-1063	16-1064	16-1066	16-1067	16-1051

Standard Integrated Cable

Integrated Cable-Female



Plug	5-pin M12,Female	5-pin M12, Angled Female Connector	5-pin M12,Female	5-pin M12, Angled Female Connector
Name	Integrated Cable	Integrated Cable	Integrated Cable	Integrated Cable
Cable	5x0.25mm ² Shielded cable	5x0.25mm ² Shielded cable	5x0.25mm ² Shielded cable	5x0.25mm ² Shielded cable
Color/Diameter	Orange/ Ø 6	Orange/ Ø 6	Orange/ Ø 6	Orange/ Ø 6
Compatible	Analog Profinet (power source) EtherCAT (power source)	Analog	CANopen	CANopen
Temperature tolerance range	-40~90°C	-40~90°C	-40~90°C	-40~90°C
Terminal Diagram	1-Brown 2-Green 3-White 4-Gray 5-Yellow 	1-Brown 2-Green 3-White 4-Gray 5-Yellow 	1-Gray 2-Brown 3-White 4-Yellow 5-Green 	1-Gray 2-Brown 3-White 4-Yellow 5-Green
Line supervisor	5~30M (optional)	5/10/15/20/30M	5~30M (optional)	5/10/15/20/30M
Order Code	16-1035	16-1040	16-1048	16-1049

Integrated Cable-Male



Plug	4-pin M12 Male	4-pin M12, Male (D buckle)	5-pin M12 Male	4-pin M12 Male
Name	Integrated Cable	Integrated Cable	Integrated Cable	Integrated Cable (MA)
Cable	3x0.25mm ² Shielded cable	2x2x0.25mm ² Twisted shielded cable	0.25mm ² Shielded cable	4x0.37mm ² Shielded cable
Color/Diameter	Black/ Ø 4.6	Green/Ø6.8	Orange/ Ø 6	Black/ Ø 8
Compatible	GUC1800	Profinet EtherCAT	CANopen	GUC Series
Temperature tolerance range	-40~90°C	-40~90°C	-40~90°C	-40~90°C
Terminal Diagram	1-Brown 2-Blue 3-Black 	1-Yellow 2-White 3-Orange 4-Blue 	1-Gray 2-Brown 3-White 4-Yellow 5-Green 	1-Red 2-White 3-Green 4-Blue
Line supervisor	0.5M (optional)	5M	0.5/1.2M	0.5M
Order Code	16-1036	16-1045	16-1043	16-1052



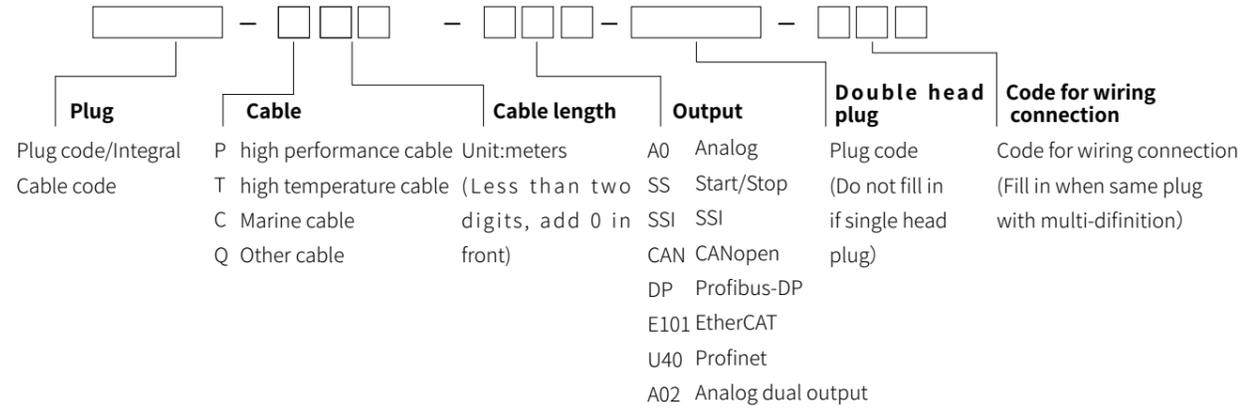
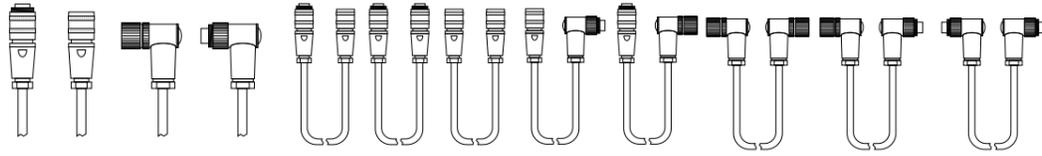
Plug	5-pin M12,Female	5-pin M12,Female	5-pin M12, Angled Female Connector	5-pin M12, Female Connector
Name	Integrated Cable	Integrated Cable	Integrated Cable	Integrated Cable
Cable	5x0.25mm ² Shielded cable	5x0.25mm ² Shielded cable	2x2x0.25mm ² Twisted shielded cable	5x0.25mm ² Twisted shielded cable
Color/Diameter	Orange/ Ø 6	Orange/ Ø 6	Gray/ Ø 6	Gray/ Ø 6
Compatible	Analog (MH/ES)	Analog (MH/ES)	CANopen	Analog (MH/ES)
Temperature tolerance range	-40~90°C	-40~90°C	-40~90°C	-40~90°C
Terminal Diagram	1-Brown 2-Yellow 3-White 4-Green 	1-Brown 2-Yellow 3-White 4-Green 	2-Brown 3-White 4-Yellow 5-Green 	1-Brown 2-Yellow 3-White 4-Green
Line supervisor	10M	15M	1M 2M	10M
Order Code	16-1011	16-1013	16-1022 16-1023	16-1055

Integrated Cable-MA



Plug	4-pin M12, Female	4-pin M12, Angled Female Connector	4-pin M12,Female
Name	Integrated Cable (MA)	Integrated Cable (MA)	Integrated Cable (MA)
Cable	4x0.37 ² Tinned Copper Shielding Layer	4x0.37 ² Tinned Copper Shielding Layer	4x0.37mm ² Shielded cable
Color/Diameter	Blue/ Ø 8	Blue/ Ø 8	Black/ Ø 6
Compatible	GUC Series	GUC Series	GUC Series
Temperature tolerance range	-40~90°C	-40~90°C	-40~90°C
Terminal Diagram	1-Red 2-White 3-Green 4-Blue 	1-Red 2-White 3-Green 4-Blue 	1-Red 2-White 3-Green 4-Blue
Line supervisor	5~30M (optional)	5/10/15/20/30M	/
Order Code	16-1029	16-1027	16-1053

Combined cable selection code



When the product uses the same plug but with multi-wiring definitions, it is necessary to add code for wiring definitions:MH/ES

Analog output. EP2 Series Start/Stop output;

EE/ES Analog output: D4G=Function 1-3-4, D4H=1-2-3, D4E=2-3-4;

EP2 Start/Stop output: D812=Function 1-2-3-5-6-7, D812M=1-2-3-4-7-8;

DH SSI output: D812=Function 1-2-4-3-7-8, D812M=1-2-3-4-7-8;

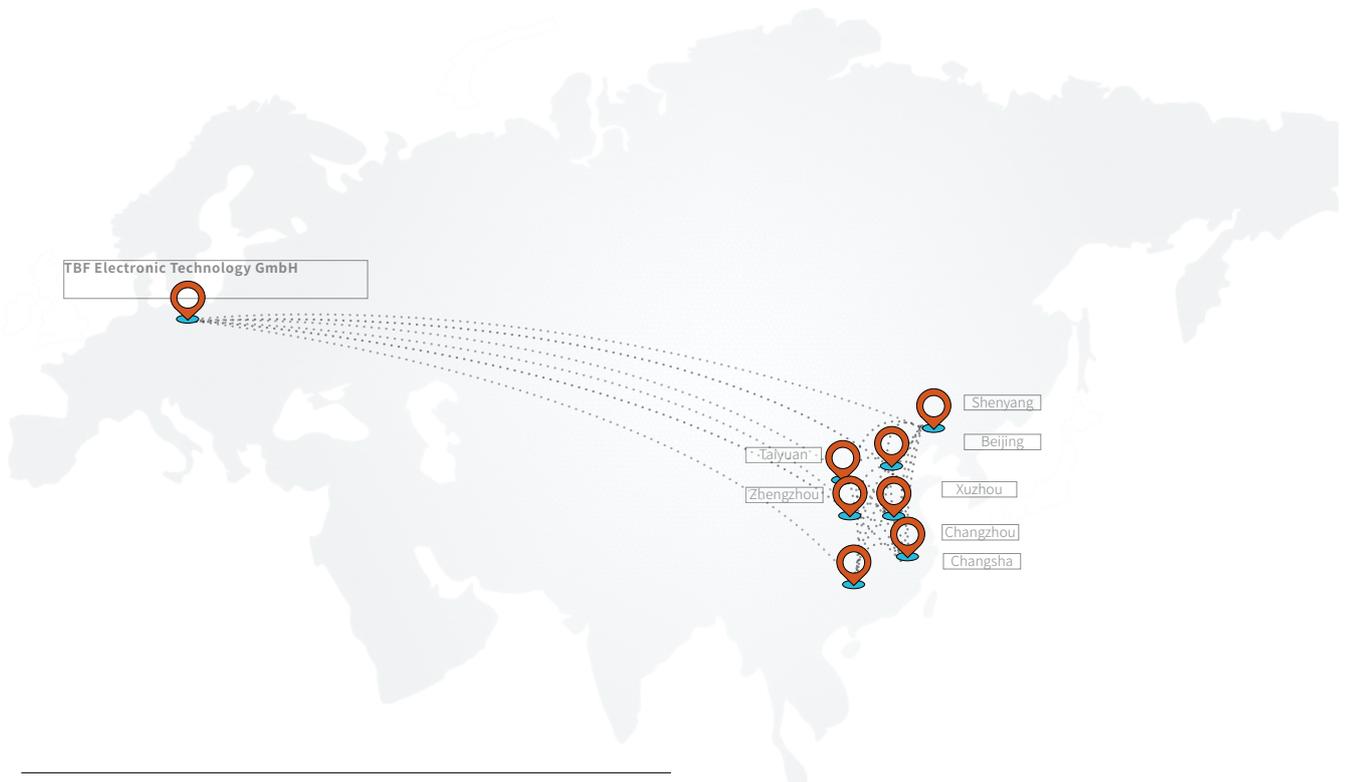
Model selection

Model: 18-3001-P05-A0

Explanation: 6 pin M16 female connector, 5m high performance cable, Analog output.

Model: 18-1004-P05-A0-D4G

Explanation: 4 pin M12 female connector, 5m high performance cable. Analog output, function:1-3-4.



Building 6, Dazhu Enterprise Bay, 8th yard of
Liangshuihe 2nd street, BDA Beijing P.R.China

Tel: +86 10-67948976 67948916

Fax: +86 10-67948979

E-mail: sale@tbfsensor.com

URL: www.tbfsensor.com

Beijing Tebeifu Electronic Technology Co., Ltd.

Moosacher Str.82a,80809 Munich ,Germany

Technical support: +49 (0)1783135698

E-mail: info@tbfsensor.com

URL: www.tbfsensor.com

TBF Electronic Technology GmbH

Official
website

WeChat
accounts



Any changes are made without prior notice

Document number: TBF-FJ-2025(V1.2)