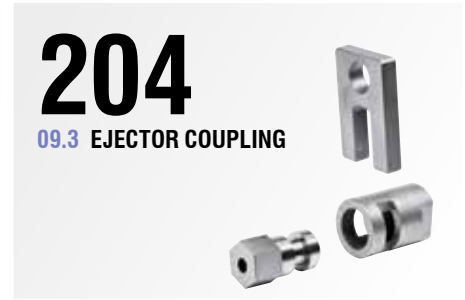
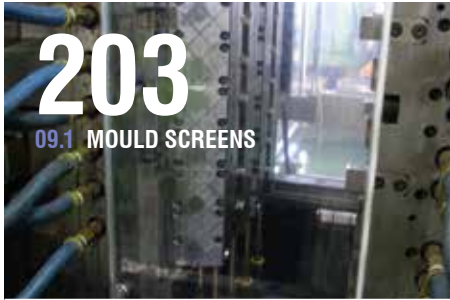



09.

MACHINE ACCESSORIES



MOULDSCREENS



Part No.	Mould Height	Max Width	
SG-1	200 mm	550 mm	1 (set of 2 pcs)
SG-2	300 mm	550 mm	1 (set of 2 pcs)
SG-3	400 mm	550 mm	1 (set of 2 pcs)
SG-4	500 mm	550 mm	1 (set of 2 pcs)
SG-5	600 mm	550 mm	1 (set of 2 pcs)

Description

Prevent Plastic Parts scattering around the moulding machine with Scatterguard. The patented new design contains the Ejected Parts within the Mould Area whilst the roller blind action allows a completely unrestricted view of the Mould Face. Scatterguard allows easy access to the mould with the Ultra Low Profile Design meaning that the mould screens can be installed even when there are lots of water connectors on the side of the mould. Supplied as a kit Scatterguard is simply installed with Magnetic Anchors and is easily movable to other Moulding Machines.


- Ultra Low Profile Design
- Crystal Clear Mould Screen
- Reduce Scrap by Eliminating Contamination and Increase Profits
- Ideal for Cleanroom Applications

MOLD-ALIGN® - A unique, affordable and easy to use tool that reveals pressure distribution between mould platens

3 Easy Steps

1

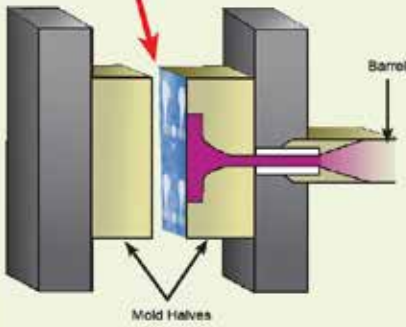
Mold-Align® comes on a roll



2

Place Mold-Align® between the two mold half surfaces


MOLD-ALIGN® GOES HERE




Mold Halves

3

Mold-Align® captures a permanent image of surface pressure distribution



Part No.	Dimensions	
MA26-1	26,7 cm x 1 m. (Sheet)	1
MA26	26,7 cm x 15.25 m. (Roll)	1
MA76-1	76,2 cm x 1 m. (Sheet)	1
MA76	76,2 cm x 15.25 m. (Roll)	1

Description

Specifications:

Thickness 4 mils (0.1016 mm)
 Usable Humidity Range 10-90% RH
 Pressure Range 200 - 6,000 PSI (14 - 422 kg/cm2)
 Temperature Limit 93°C

Parting Line aligned and Uniform:

One way to ensure proper mating of the tool halves at the parting line is simply by having a level moulding machine and parallel platens. Levelling a machine requires three machinist levels. If you have shorts and flash, you could have a mould or clamping alignment problem. This may not be the case if you are running a high-speed, thin-wall product—the problem may be simply not enough clamp force. To help establish whether flash stems from a mould or clamp alignment issue, check parting-line mating. In one typical check for uniform clamp pressure at the parting line, blueing agent applied to one mould half will transfer to the other if there is contact at the parting line, but it will not distinguish between low or high touch force. More detailed information can be obtained with Mold-Align® paper, which changes color relative to the amount of contact force. Mold-Align® is an extremely economical and practical solution for determining proper mould alignment. Mold-Align® is a self contained (single sheet) paper that is quickly implemented, requires no training, and reveals a high resolution image of pressure distribution and void spots between mould plates.

EJECTOR COUPLINGS

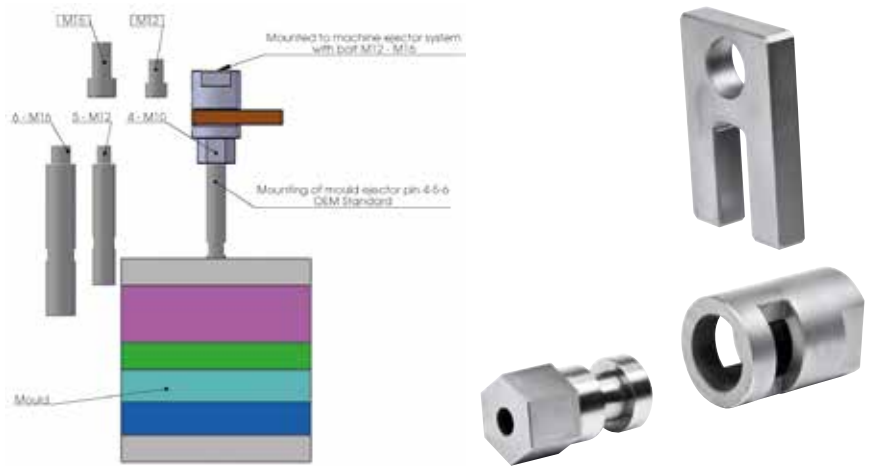
Description

The UKM is a mechanical ejector coupling for plastic injection moulding machines. Its function is to lock the ejector bars of the injection moulding tool.

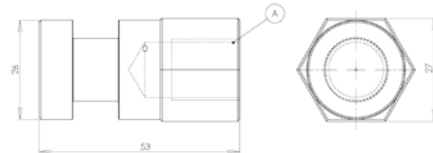
- The coupling process "locking or unlocking" takes place in only seconds.
- Simple construction - easy to install
- Available with M10 – M12 and M16 thread.


Material:

Steel Type: 1.2510

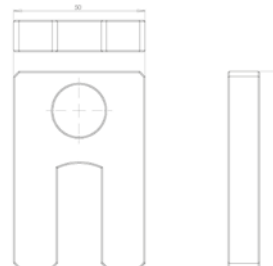


CONNECTOR NIPPLE



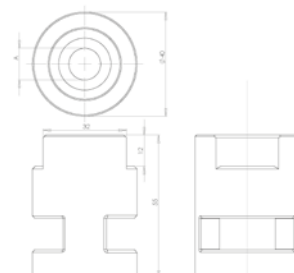
Part No.	A	
UKM10HAN	M10	1
UKM12HAN	M12	1
UKM16HAN	M16	1


LOCKING SLIDE



Part No.	SIZE	
UKKILE	ONE SIZE	1

COUPLING



Part No.	A	
UKM12HUN	12	1
UKM16HUN	16	1

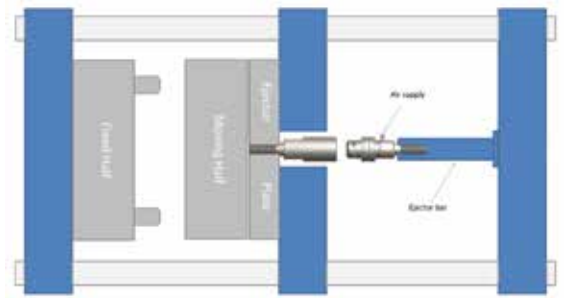


Speed up mould changes with the MPE Quick Connect Ejector Coupling that is designed to connect the mould ejector plate to the machine ejection system.

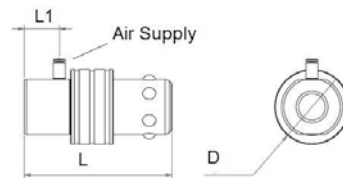
Depending on access inside the moulding machine the coupling may be operated manually or remotely by using compressed air. The coupling is released using air and will stay connected in the event of air failure.

The coupling is available in two different sizes to suit the machine size and can be adapted to a variety of ejector bar threads.

- Reduced Mould Changeover Time
- Safe to Use
- Quick and Efficient
- No tools required



COUPLING UNIT



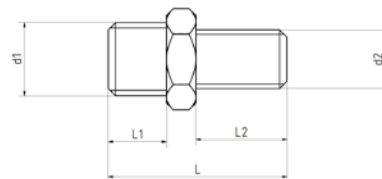
Part No.	Series	L1	L	D	Working pressure	Total length in locked position	Air Supply Thread	Female Thread	Ejector Force per coupler	
MPE-C-1	1"	18	58	27	Min. 4 bar / max 6 bar	101 mm	M5	M12	1500 kg	1
MPE-C-2	2"	23	97	49	Min. 6 bar / max 8 bar	175mm	M5	M20	6000 kg	1

SOCKET UNIT



Part No.	Series	L	D	Female Thread	Ejector Force per coupler	
MPE-S-1	1"	58	25	M12	1500 kg	1
MPE-S-2	2"	108	49	M20	6000 kg	1

ADAPTOR



Part No.	Series	d1	d2	L1	L2	L	SW	
MPE-A-1-A	1"	M12x1,75	M12x1,75	10	20	35	19	1
MPE-A-1-B	1"	M12x1,75	3/8"-16	10	20	35	19	1
MPE-A-1-C	1"	M12x1,75	M16x2	10	20	35	19	1
MPE-A-2-B	2"	M20x2,5	M16x2	16	25	49	24	1
MPE-A-2-D	2"	M20x2,5	3/4"-10	16	25	49	24	1
MPE-A-2-E	2"	M20x2,5	M24x2,5	16	25	49	24	1

EJECTOR COUPLINGS



Ideal for use with: Quick Mould Change systems and Two-stage Ejection

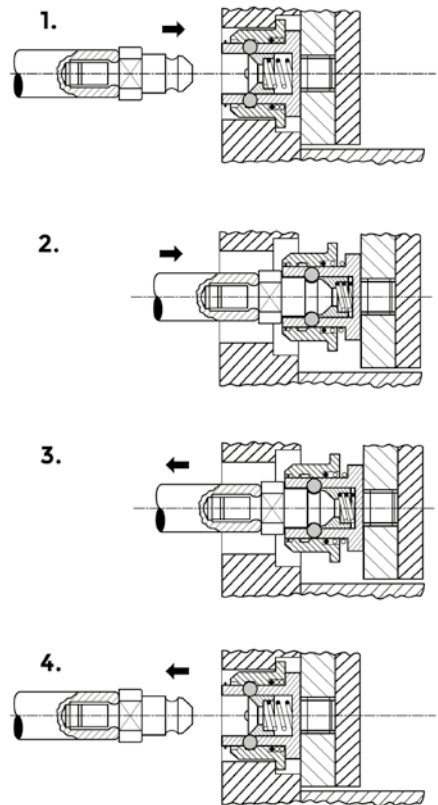
Designed to provide a quick method of attaching the ejector plate in your mould to the ejection system in your moulding machine. Provides positive ejector plate return while greatly reducing set-up time.

Perfectly suited for those moulding machines where the ejector plate on the machine is difficult to reach. Ideal when center ejection is desired, but impossible to "tie-in". Works with either hydraulic or mechanical ejection

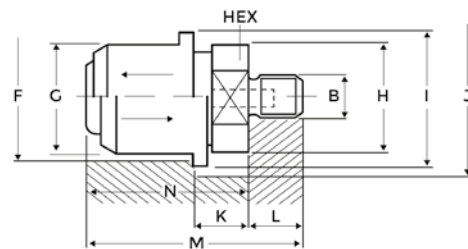
Uses and Advantages:

- Quick and easy installation (even on existing moulds). Return of the ejector plate is assured.
- Part ejector plate is assured.
- Coupling is obtained in any position, disconnecting is after the ejector plate is fully returned.
- Fast acting up to 30 strokes/minute. No wearing parts.
- Can be used on all injection machines equipped with hydraulic or mechanical ejection.
- Set-up time can be greatly reduced.
- Reduce noise on machines with mechanical knockouts. Especially suited for injection machines that do not have easy access to the ejector plate.
- Allows for center ejection to be tied in.
- No Grease should be applied to these Products.

Sequence of operation



EJECTOR COUPLING

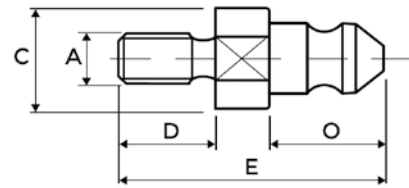



Part No.	B	F	G	H	I	J	K	L	M	Pull Force	Size	
EJC-F-1-1	M12X1,75	34	34	32	39	43	9	15	42,5	1500 kg	1	1
EJC-F-1-2	M16X1,5	34	34	32	39	43	9	15	42,5	1500 kg	1	1
EJC-F-1-3	M16X2	34	34	32	39	43	9	15	42,5	1500 kg	1	1
EJC-F-2-1	M16X1,5	40	40	38	48	53	13	15	52	2400 kg	2	1
EJC-F-2-2	M16X2	40	40	38	48	53	13	15	52	2400 kg	2	1
EJC-F-3-1	M16X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-2	M16X2	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-3	M18X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-4	M20X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-5	M20X2,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-6	M24X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-7	M27X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1
EJC-F-3-8	M30X1,5	58	58	56	65	70	17	18	68	3200 kg	3	1

Description

Material: 1.7147 - 60 HRC

EJECTOR NIPPLE



Part No.	A	C	D	E	Pull Force	Size	
EJC-M-1-1	M10X1,5	22,8	20	45,5	1500 kg	1	1
EJC-M-1-2	M12X1,75	22,8	20	45,5	1500 kg	1	1
EJC-M-1-3	M14X2	22,8	20	45,5	1500 kg	1	1
EJC-M-1-4	M16X2	25,8	20	55	2400 kg	1	1
EJC-M-2-1	M10X1,5	25,8	20	55	2400 kg	2	1
EJC-M-2-2	M12X1,75	25,8	20	55	2400 kg	2	1
EJC-M-2-3	M14X2	25,8	20	55	2400 kg	2	1
EJC-M-2-4	M16X2	25,8	20	55	2400 kg	2	1
EJC-M-3-1	M16X2	35	25	68	3200 kg	3	1
EJC-M-3-2	M18X2,5	35	25	68	3200 kg	3	1
EJC-M-3-3	M20X2,5	35	25	68	3200 kg	3	1
EJC-M-3-4	M24X3	35	25	68	3200 kg	3	1
EJC-M-3-5	M27X3	35	25	68	3200 kg	3	1
EJC-M-3-6	M30X3,5	35	25	68	3200 kg	3	1


Description

Material: 1.7147 - 60 HRC

MACHINE MOUNTS

STANDARD MACHINE MOUNTS - SUPPLIED WITH ADJUSTING SCREWS



Part No.	Diameter	Load (kg)	Adjusting Screw	Height	
SMM01	80mm	200 kg	M12x1.25x120	38-50mm	1
SMM02	120mm	400 kg	M16x1.5x120	46-59mm	1
SMM03	160mm	1000 kg	M20x1.5x170	53-68mm	1
SMM04	160mm	2500 kg	M20x1.5x170	54-69mm	1
SMM05	200mm	3800 kg	M20x1.5x170	56-71mm	1

Description

Up to 15 mm ff Adjustment

Galvanised Steel Finish

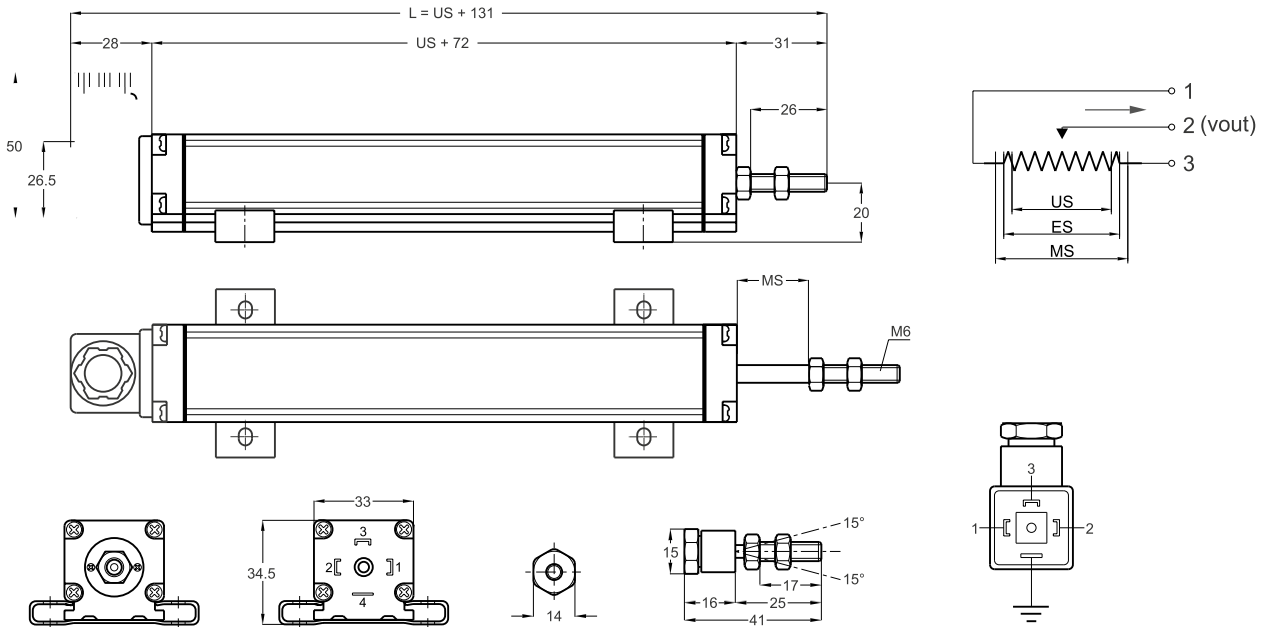
Supplied Complete with Adjusting Screw

TRANSDUCER WITH ROD



Technical data

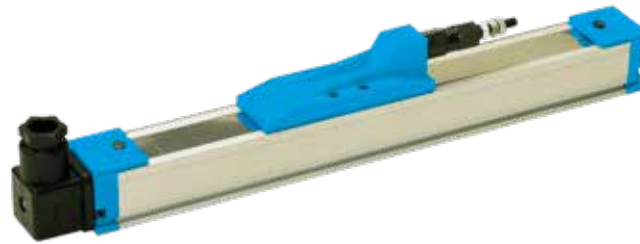
Measurement Stroke	30 to 1250 mm
Linearity	± %0,05
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	5 kOhm or 10 kOhm
Resistance Tolerance	± %20
Load Resistance	100 kOhm min.
Recommended Cursor Current	< 1 µA
Permissible Applied Voltage	28VDC max.
Electrical Connections	4 pole hydraulic type connector
Displacement Speed	< 5 m/s
Mechanical Life	100 million cycles
Case Dimensions	33 mm x 33 mm
Case Material	Anodized aluminium
Rod Material	Stainless Steel
Rod Diameter	Ø 6 mm
Mechanical Fixing	Variable brackets
IP Degree	IP 65
Operating Temperature	-20°C ... +80°C
Storage Temperature	-30°C ... +90°C



Part No.	US (usefull stroke)	MS (Mechanical stroke)	L (total length)	
MPT100	100	103	231	1
MPT150	150	153	281	1
MPT175	175	178	306	1
MPT200	200	203	331	1
MPT300	300	303	431	1
MPT400	400	403	531	1
MPT500	500	503	631	1

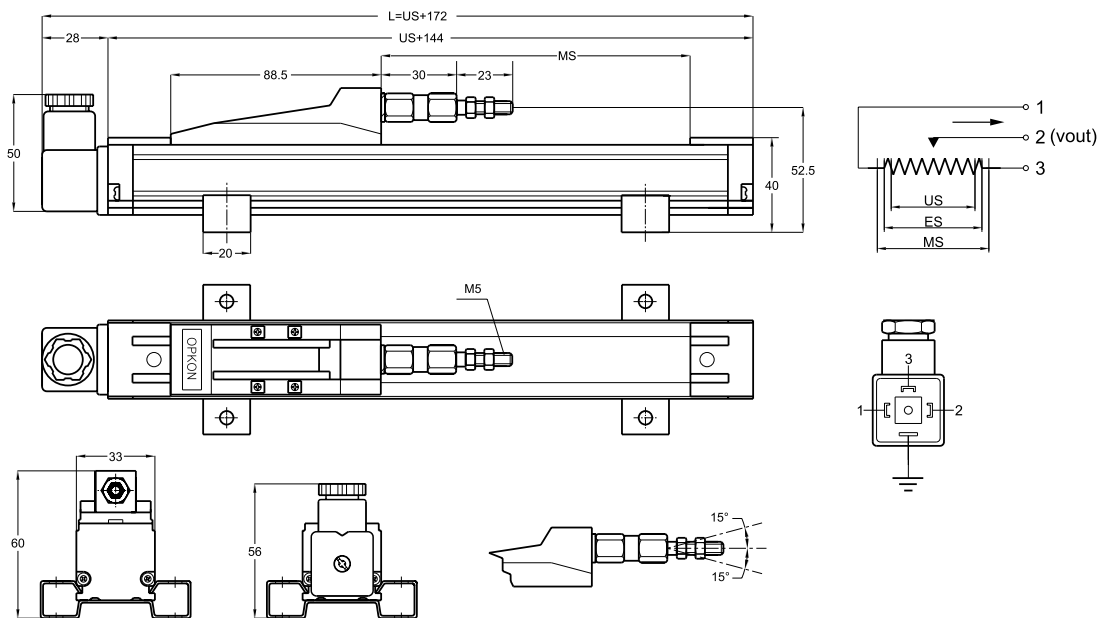
LINEAR TRANSDUCERS

TRANSDUCER WITHOUT ROD

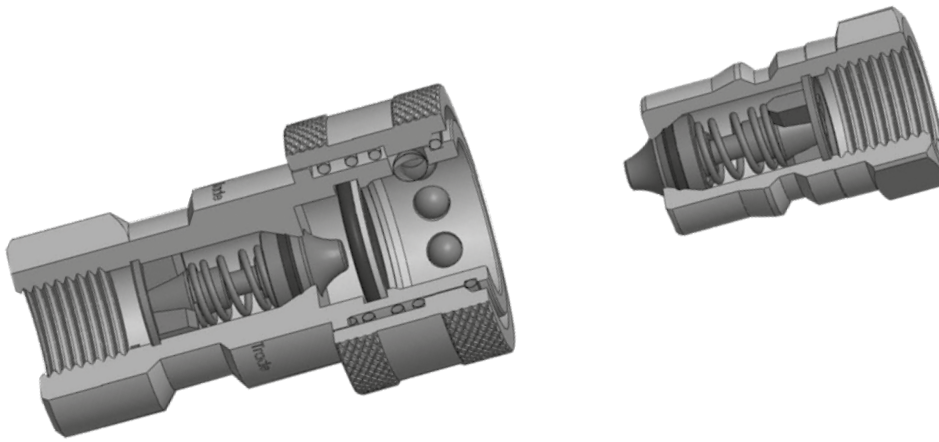


Technical data

Measurement Stroke	100 to 1500 mm
Linearity	± %0,05
Repeatability	< 0,01 mm
Resolution	Infinite
Resistance	5 kOhm or 10 kOhm (20k0hm/1500 mm)
Resistance Tolerance	±%20
Load Resistance	100 kOhm min.
Recommended Cursor Current	< 1 μA
Permissible Applied Voltage	28VDC max.
Electrical Connections	4 pole hydraulic type connector
Displacement Speed	< 1,5 m/s
Mechanical Life	100 million cycles
Case Dimensions	33 mm x 33 mm
Case Material	Anodized aluminium
Mechanical Fixing	Variable brackets
IP Degree	IP 40 /If mounted upside down IP 53
Operating Temperature	-20°C ... +80°C
Storage Temperature	-30°C ... +90°C




Part No.	US (usefull stroke)	MS (Mechanical stroke)	L (total length)	
MPH150	150	154	322	1
MPH200	200	204	372	1
MPH225	225	229	397	1
MPH300	300	304	472	1
MPH400	400	404	572	1
MPH500	500	504	672	1



ISO A COUPLERS




Part No.	Thread size	Pressure Bar	
FISO-A14BSP	1/4" BSP	350	1
FISO-A38BSP	3/8" BSP	300	1
FISO-A12BSP	1/2" BSP	250	1
FISO-A34BSP	3/4" BSP	250	1
FISO-A100BSP	1" BSP	230	1

Material:
Steel (plated)


ISO A PLUGS



Part No.	Thread size	Pressure Bar	
MISO-A14BSP	1/4" BSP	350	1
MISO-A38BSP	3/8" BSP	300	1
MISO-A12BSP	1/2" BSP	250	1
MISO-A34BSP	3/4" BSP	250	1
MISO-A100BSP	1" BSP	230	1

ISO B COUPLERS




Part No.	Thread size	Pressure Bar	
FISO-B14BSP	1/4" BSP	350	1
FISO-B38BSP	3/8" BSP	300	1
FISO-B12BSP	1/2" BSP	250	1

Material:
Steel (plated)

ISO B PLUGS



Part No.	Thread size	Pressure Bar	
MISO-B14BSP	1/4" BSP	350	1
MISO-B38BSP	3/8" BSP	300	1
MISO-B12BSP	1/2" BSP	250	1