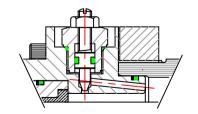


CUSHION CHECK VALVE

CUSHIONED CYLINDERS ARE PROVIDED WITH A CHECK VALVE TO FACILITATE AN EFFECTIVE BREAKAWAY ON THE RETURN STROKE THE CHECK VALVE ALSO INCORPORATES AN AIR BLEED FOR VENTING THE CYLINDER

RECORD CHANGE



CUSHION NEEDLE VALVE

CUSHION NEEDLE ALLOWS CONTROL OVER RATE OF CUSHIONING CUSHION COMPONENTS FEATURE STAINLESS STEEL NEEDLE AND CHECK VALVE COMPRESSION SPRING AND HARDENED CHROME STEEL BALLS

GLAND RETAINER

MANUFACTURED FROM STEEL AND RETAINED BY HIGH TENSILE CAP SCREWS. ALLOWING QUICK ACCESS TO THE ROD SEAL WHEN REQUIRED. THE RETAINER ALSO HOUSES THE ROD WIPER AND GLAND BUSH.

GLAND & BEARING BUSH

BOTH ITEMS MANUFACTURED FROM PHOSPHOR BRONZE. THE INNER ROD BEARING IS AUTOMATICALLY LUBRICATED.

(3) GLAND SEAL

HEAVY DUTY CHEVRON PACKING.

GLAND CARTRIDGE

MANUFACTURED FROM STEEL, HOUSING THE GLAND SEAL AND ROD BEARING BUSH.

HEAD AND CAP RETAINING SCREWS

HIGH TENSILE SOCKET HEAD CAP SCREWS WITH NUTS AND LOCK NUTS.

(6) PORTS

> PORTS MAY BE LOCATED IN ANY OF FOUR POSITIONS RELATIVE TO THE VARIOUS STANDARD MOUNTINGS.

PISTON ROD

MANUFACTURED FROM ALLOY STEEL. ALL RODS ARE INDUCTIONED HARDENED TO ROCKWELL "C" 54 MINIMUM BEFORE HARD CHROME PLATING AND POLISHING TO A MINIMUM OF 0.2 MICRONS TO ENSURE MAXIMUM SEAL AND BEARING LIFE.

HEAD & CAP ENDS

MANUFACTURED FROM STEEL WITH PRECISELY MACHINED SPIGOTS TO ENSURE ACCURATE ALIGNMENT WITH THE CYLINDER BORE. SEALING OF THE CAPS TO THE BARREL IS EFFECTED BY "O"-RING AND ANTI-EXTRUSION RING.

CYLINDER BARREL

MANUFACTURED FROM HEAVY WALL SEAMLESS TUBING. BORES ARE HONED AND POLISHED FOR LONGER SEAL LIFE. CHROME BORES ARE RECOMENDED WHERE SOLUBLE OIL AND WATER SOLUTIONS ARE USED.

FRONT CUSHION SLEEVE

MANUFACTURED FROM BRONZE AND SELF CENTERING FOR PRECISE ALIGNMENT.

PISTON ASSEMBLY

TWO PIECE PISTON MANUFACTURED FROM STEEL. POSITIVELY SECURED TO THE ROD BY A GRUB SCREW AND PEENED OVER PRIOR TO FINAL ASSEMBLY.

PISTON SEALS

DOUBLE ACTING SEAL COMPRISING OF A SEAL AND TWO "L" SHAPED BEARING RINGS TO GIVE A VERY ROBUST HEAVY DUTY SEAL ASSEMBLY FOR SPLIT PISTONS. FOR ALTERNATIVE PISTON AND SEAL ARRANGEMENT REFER

TO "NON-STANDARD" ALTERNATIVES.

NOMINAL PRESSURE 250 BAR BORE SIZE 50 MM - 500 MM FLANGED CONSTRUCTION AT EACH END FACTOR OF SAFETY 4:1

110-112 RICHMOND ROAD PH: (08) 8297 7533 FAX: (08) 8297 0549 KESWICK S.A. 5035

METRIC MILL CYLINDERS ISO 6022

MARK		DESCRIPTION NO			0FF		MATERIAL		
SCALE					П	DRG.	NO		
APPROVED BY		DRAWN		HHMI SERIES				ς	
		TRACED		IIIIII JENIEJ				<i></i>	
DATE			CHECKED		R	ΕV			



110-112 RICHMOND ROAD KESWICK S.A. 5035

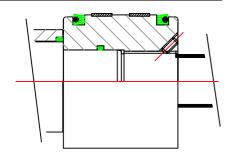
PH: (08) 8297 7533

FAX: (08) 8297 0549

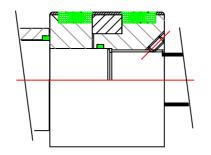
HHMI SERIES ISO 6022 METRIC MILL CYLINDER 250 BAR (25000 kPa) PAGE No. 2

NON STANDARD ALTERNATIVES

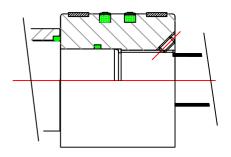
PISTON ALTERNATIVES.



ONE PIECE PISTON WITH SINGLE LIP SEALS AND WEAR RINGS OR FLAKE FREE BRONZE LOADING

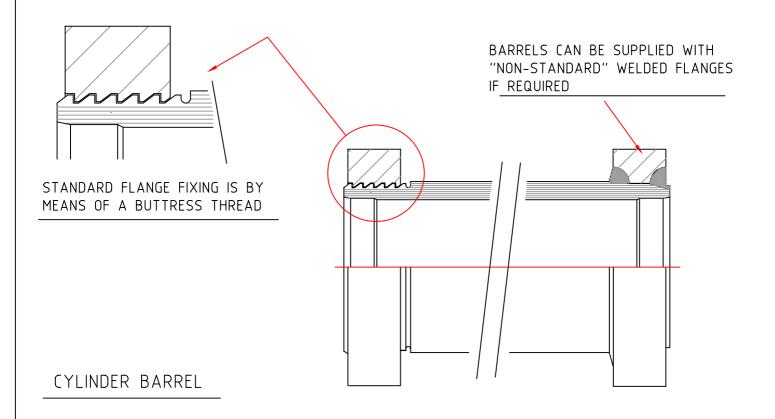


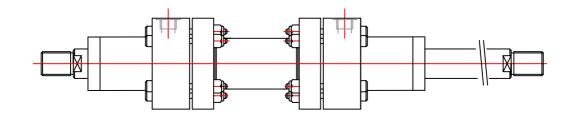
HEAVY DUTY PISTON WITH "SHALLEX" VEE PACKINGS AND FLAKE FREE BRONZE LOADING



ONE PIECE PISTON WITH LOW FRICTION SEALS AND WEAR RINGS

NOTE: SIMILAR SEALS CAN ALSO BE INCORPORATED IN THE CYLINDER GLAND





DOUBLE ENDED CYLINDER

"NON-STANDARD" CYLINDERS CAN BE PRODUCED TO SUIT CUSTOMER REQUIREMENTS PISTON ROD AND BORE DIAMETERS ETC. CONFORM TO ISO 6022