



(A Member Of Sonic Capital Group)

# Highway Guardrail

**& Road Safety Products**



Quality At All Levels



Reg No. 59Q12498

# VPN Guardrail Systems

VPN is a fully integrated manufacturer and supplier of steel products including highway guardrails and accessories. Our highway guardrails are manufactured using the standard design and are SIRIM tested.

VPN has in house facilities and technical support which further enhance the capability to undertake all aspects of project involving highway guardrails and accessories. The range of facilities includes metal fabrication equipment such as press and forming machines, punching, stamping, and other related machines.

Following standards are used :

- American Association of State Highway & Transportation Official (AASHTO)
- Standard Industry Research Institute of Malaysia (SIRIM)
- Malaysia Public Works Department Standard (JKR)

Highway Guardrail Product Features & Application :

- To provide railing protection to motor vehicles at dangerous road areas such as steep slopes, high embankments, obscure curves/bends, sharp corners
- To absorb sudden impact during collision thus minimizing injury to vehicle and passenger.
- To act as a directional railing for vehicles moving in the right direction.
- To act as a median barrier for avoiding head on collision.

Guard rail is a system designed to keep vehicles from (in most cases unintentionally) straying into dangerous or off-limits areas. A secondary objective is keeping the vehicles upright while deflected along the guardrail.

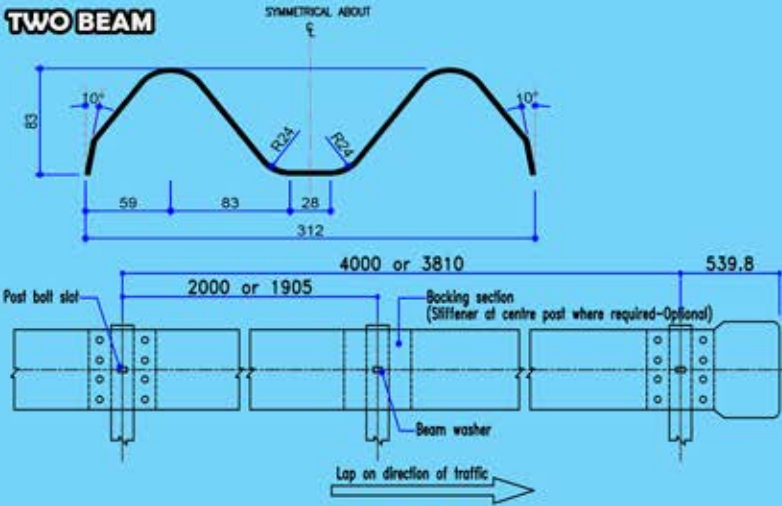




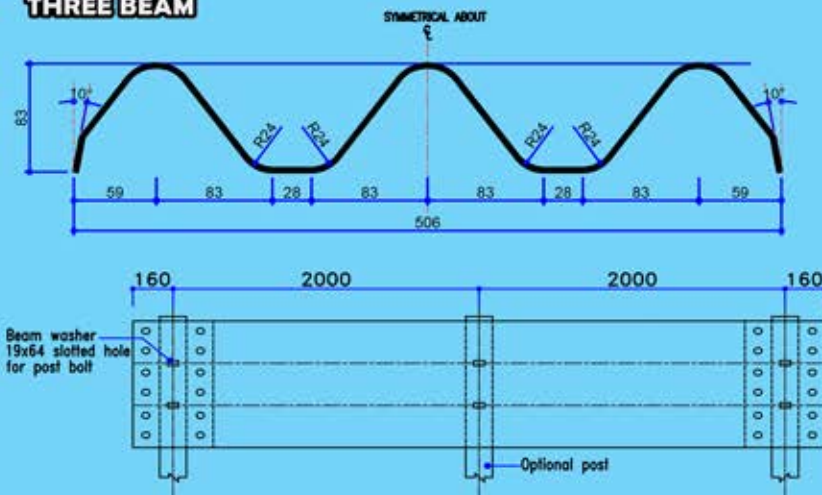
# PRODUCT FEATURES :

- ~ Shock-absorbing qualities
- ~ Longitudinal Strength
- ~ Low Maintenance
- ~ Economy
- ~ Design Acceptance
- ~ Additional Impact Resistance
- ~ Durability

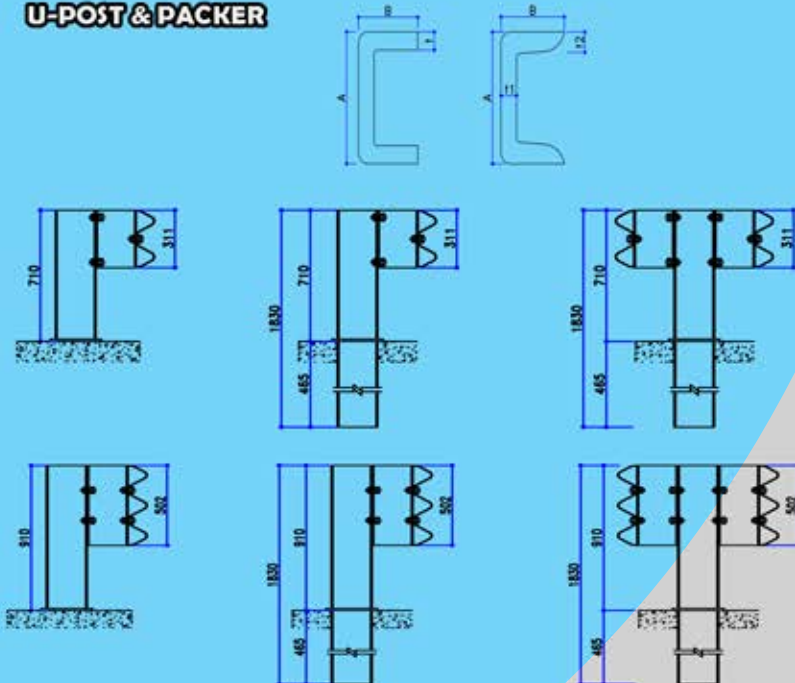
## TWO BEAM



## THREE BEAM



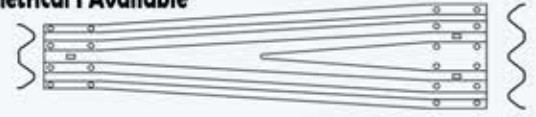
## U-POST & PACKER



# GUARDRAIL END (SECTION) :

## Three Beam Transition

\*Asymetrical | Available



## Three Beam Single Buffer



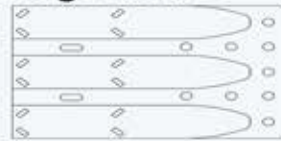
## Two Beam Single Buffer



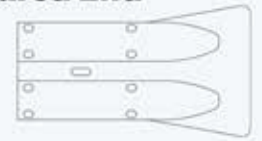
## Three Beam Flared End



## Three Beam Bridge Shoes



## Two Beam Flared End



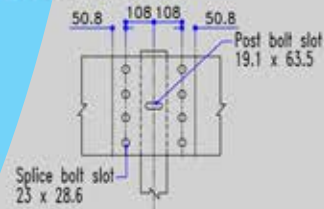
## Three Beam Bridge Shoes



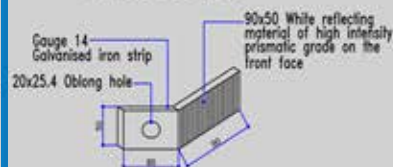
## Two Beam Double Buffer



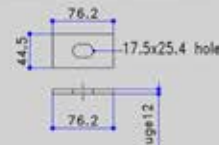
## ACCESSORIES



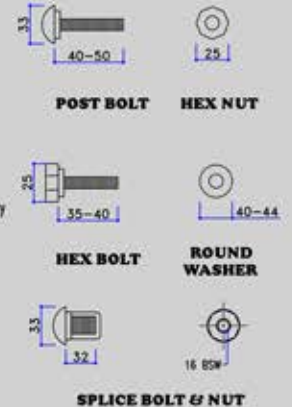
### BEAM SPLICE



### DELINEATOR STRIP



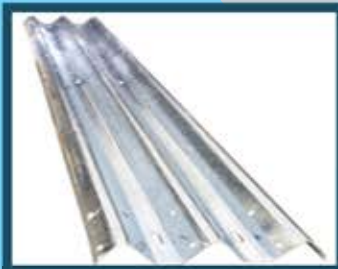
### SPLICE WASHER



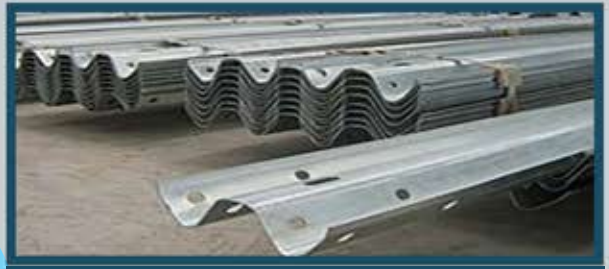
# GUARDRAIL & ACCESSORIES



**TWO BEAM**



**THREE BEAM**



**TWO BEAM**



**GUARDRAIL POST AND PACKER**



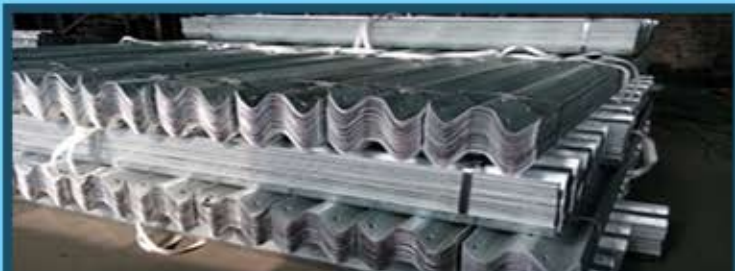
**TWO BEAM**



**ACCESSORIES - BUFFER END**



**ACCESSORIES - END RAIL / FISH TAIL**



**TWO BEAM**

## SIRIM CERTIFICATE



**VPN (M) SDN BHD (467592-D)**  
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