



**CINWA**  
PT. CINWA ZAF A INDONESIA

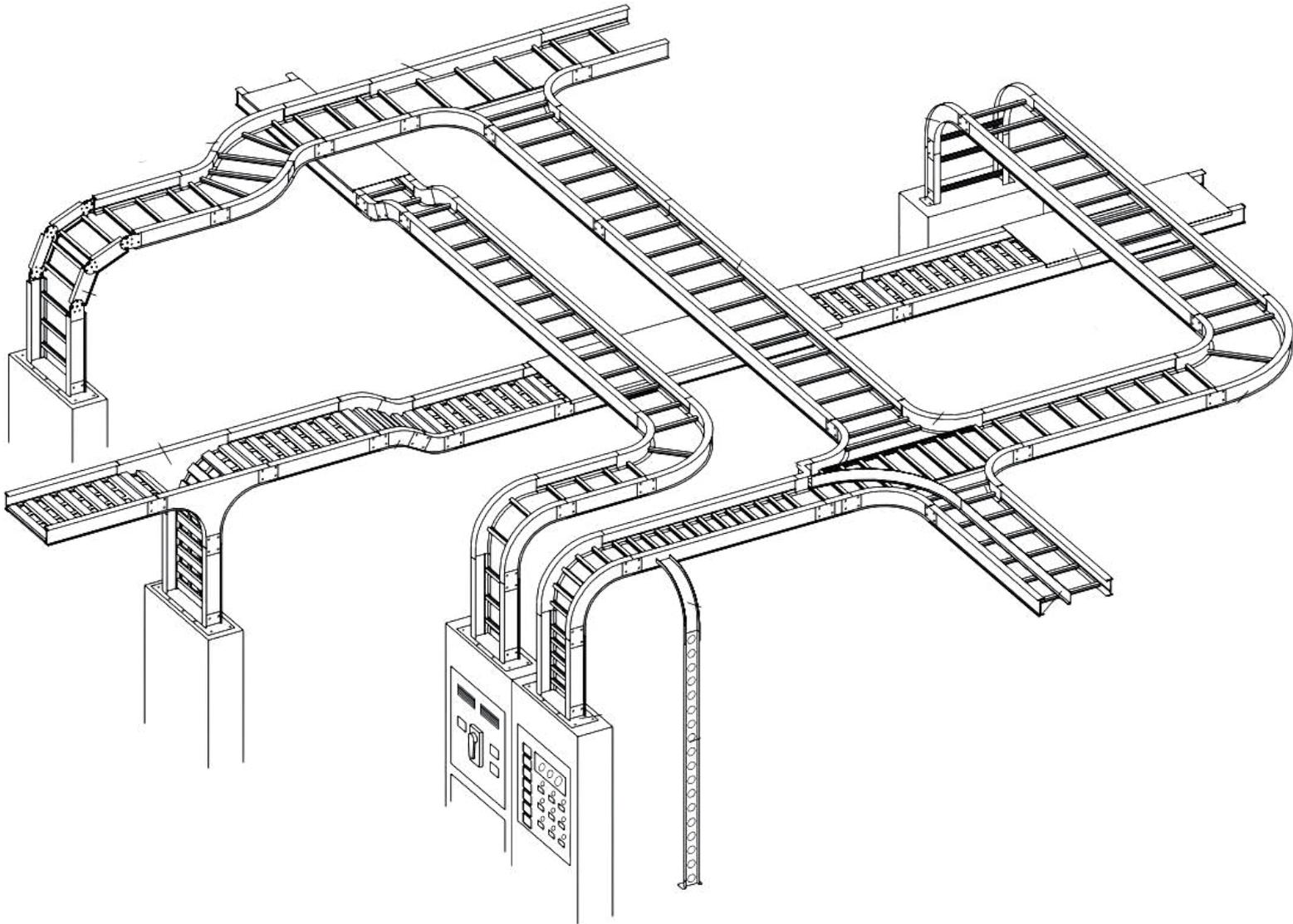
## **PT CINWA ZAF A INDONESIA**

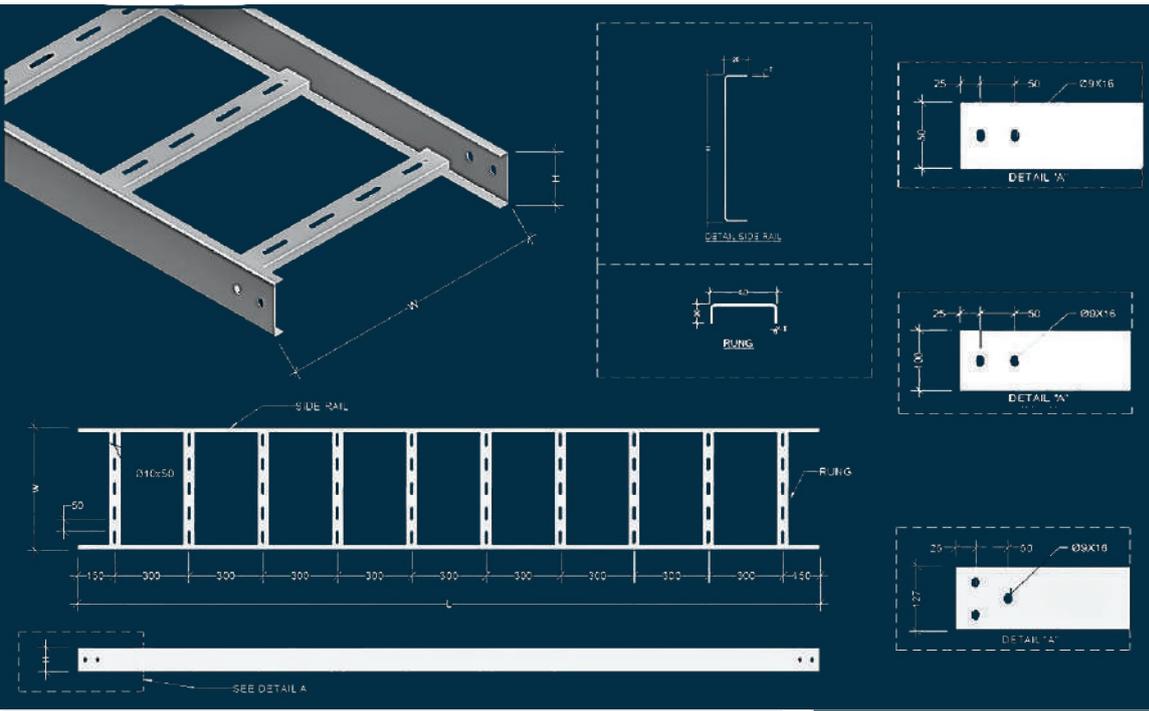
**Cable Tray, Cable ladder, Cable trunking, Cable support system & Accessories.**

**(Hot Dip Galvanized, Electroplating, Powder Coating, Aluminium & Stainless.)**

**JL PUTRI 3 NO 8 RT 03 RW 04, SALEMBARAN JAYA, KOSAMBI, KAB TANGERANG,  
BANTEN, INDONESIA**

## INSTALASI LADDER

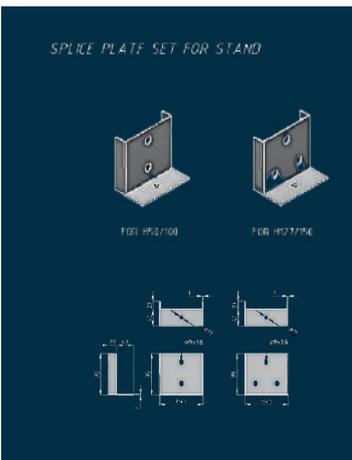
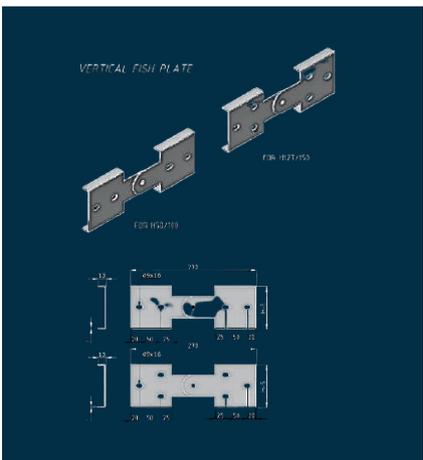
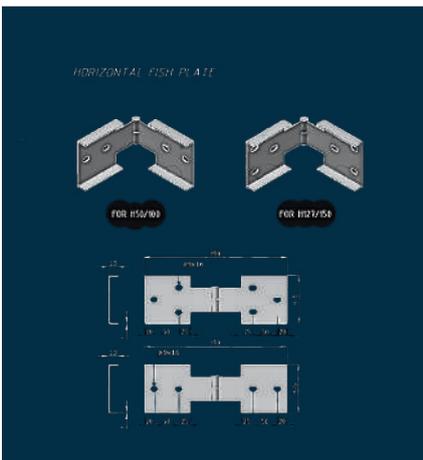
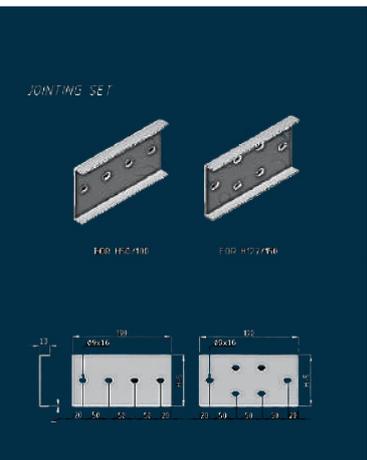




STRAIGHT LADDER SLU TYPE			
PART NO	W	H	L
CZI US 3000-50-100	100	50	3000
CZI US 3000-50-200	200	50	3000
CZI US 3000-50-300	300	50	3000
CZI US 3000-50-400	400	50	3000
CZI US 3000-50-500	500	50	3000
CZI US 3000-50-600	600	50	3000
PART NO	W	H	L
CZI US 3000-100-100	100	100	3000
CZI US 3000-100-200	200	100	3000
CZI US 3000-100-300	300	100	3000
CZI US 3000-100-400	400	100	3000
CZI US 3000-100-500	500	100	3000
CZI US 3000-100-600	600	100	3000
CZI US 3000-100-800	800	100	3000
CZI US 3000-100-1000	1000	100	3000

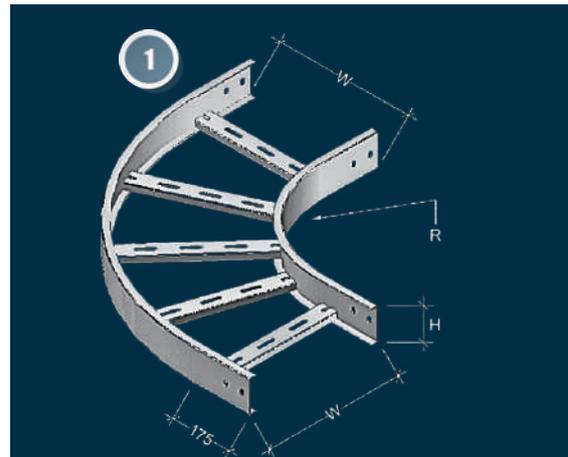
PART NO	W	H	L
CZI US 3000-127-200	200	127	3000
CZI US 3000-127-300	300	127	3000
CZI US 3000-127-400	400	127	3000
CZI US 3000-127-500	500	127	3000
CZI US 3000-127-600	600	127	3000
CZI US 3000-127-800	800	127	3000
CZI US 3000-127-1000	1000	127	3000

## JOINT SET SLU - TYPE



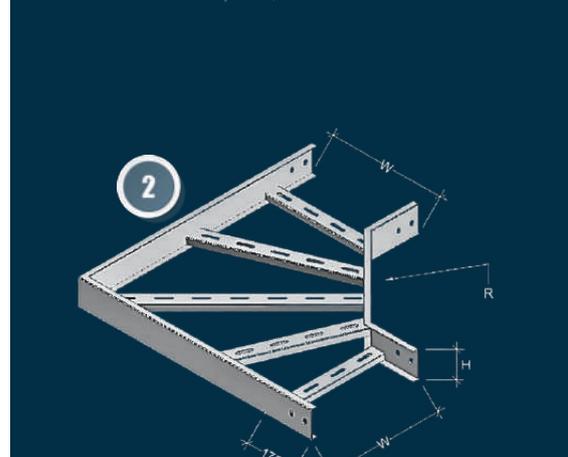
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HORIZONTAL ELBOW SLU - RADIUS TYPE			
PART NO	W	H	R
CZI UER 300-50-100	100	50	300
CZI UER 300-50-200	200	50	300
CZI UER 300-50-300	300	50	300
CZI UER 300-50-400	400	50	300
CZI UER 300-50-500	500	50	300
CZI UER 300-50-600	600	50	300
PART NO	W	H	R
CZI UER 300-100-100	100	100	300
CZI UER 300-100-200	200	100	300
CZI UER 300-100-300	300	100	300
CZI UER 300-100-400	400	100	300
CZI UER 300-100-500	500	100	300
CZI UER 300-100-600	600	100	300
CZI UER 300-100-800	800	100	300
CZI UER 300-100-1000	1000	100	300
PART NO	W	H	R
CZI UER 300-127-200	200	127	300
CZI UER 300-127-300	300	127	300
CZI UER 300-127-400	400	127	300
CZI UER 300-127-500	500	127	300
CZI UER 300-127-600	600	127	300
CZI UER 300-127-800	800	127	300
CZI UER 300-127-1000	1000	127	300



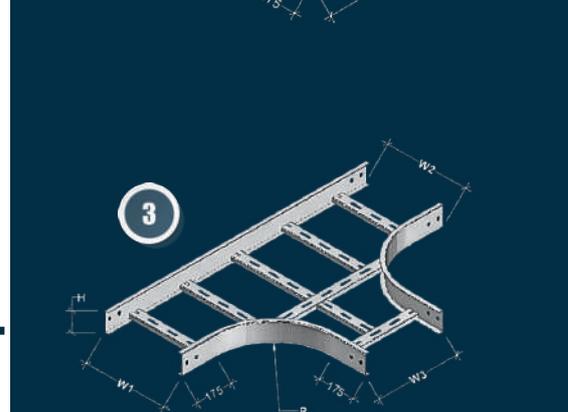
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HORIZONTAL ELBOW SLU - DIAGONAL TYPE			
PART NO	W	H	R
CZI UED 300-50-100	100	50	300
CZI UED 300-50-200	200	50	300
CZI UED 300-50-300	300	50	300
CZI UED 300-50-400	400	50	300
CZI UED 300-50-500	500	50	300
CZI UED 300-50-600	600	50	300
PART NO	W	H	R
CZI UED 300-100-100	100	100	300
CZI UED 300-100-200	200	100	300
CZI UED 300-100-300	300	100	300
CZI UED 300-100-400	400	100	300
CZI UED 300-100-500	500	100	300
CZI UED 300-100-600	600	100	300
CZI UED 300-100-800	800	100	300
CZI UED 300-100-1000	1000	100	300
PART NO	W	H	R
CZI UED 300-127-200	200	127	300
CZI UED 300-127-300	300	127	300
CZI UED 300-127-400	400	127	300
CZI UED 300-127-500	500	127	300
CZI UED 300-127-600	600	127	300
CZI UED 300-127-800	800	127	300
CZI UED 300-127-1000	1000	127	300



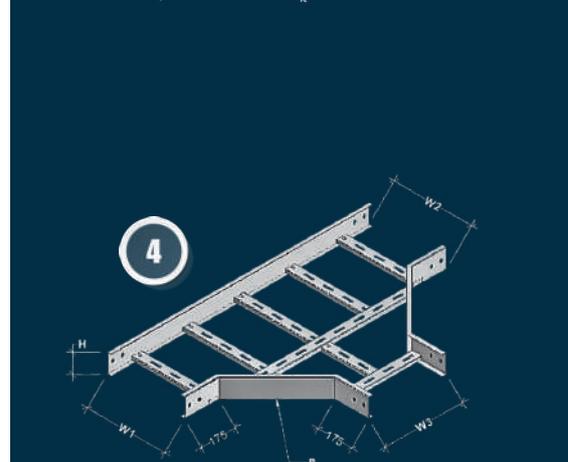
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HORIZONTAL TEE SLU - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI UTR 300-50-100	100	100	100	50	300
CZI UTR 300-50-200	200	200	200	50	300
CZI UTR 300-50-300	300	300	300	50	300
CZI UTR 300-50-400	400	400	400	50	300
CZI UTR 300-50-500	500	500	500	50	300
CZI UTR 300-50-600	600	600	600	50	300
PART NO	W1	W2	W3	H	R
CZI UTR 300-100-100	100	100	100	100	300
CZI UTR 300-100-200	200	200	200	100	300
CZI UTR 300-100-300	300	300	300	100	300
CZI UTR 300-100-400	400	400	400	100	300
CZI UTR 300-100-500	500	500	500	100	300
CZI UTR 300-100-600	600	600	600	100	300
CZI UTR 300-100-800	800	800	800	100	300
CZI UTR 300-100-1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R
CZI UTR 300-127-200	200	200	200	127	300
CZI UTR 300-127-300	300	300	300	127	300
CZI UTR 300-127-400	400	400	400	127	300
CZI UTR 300-127-500	500	500	500	127	300
CZI UTR 300-127-600	600	600	600	127	300
CZI UTR 300-127-800	800	800	800	127	300
CZI UTR 300-127-1000	1000	1000	1000	127	300



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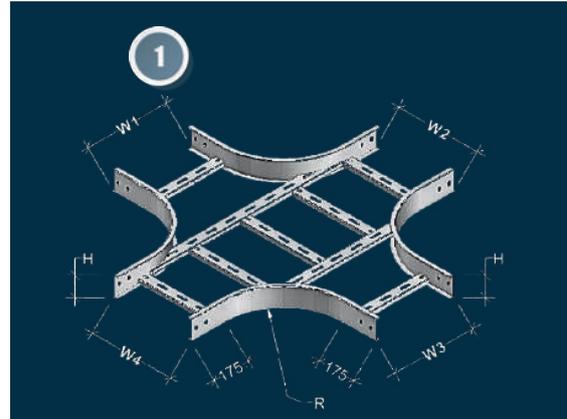
HORIZONTAL TEE SLU - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI UTD 300-50-100	100	100	100	50	300
CZI UTD 300-50-200	200	200	200	50	300
CZI UTD 300-50-300	300	300	300	50	300
CZI UTD 300-50-400	400	400	400	50	300
CZI UTD 300-50-500	500	500	500	50	300
CZI UTD 300-50-600	600	600	600	50	300
PART NO	W1	W2	W3	H	R
CZI UTD 300-100-100	100	100	100	100	300
CZI UTD 300-100-200	200	200	200	100	300
CZI UTD 300-100-300	300	300	300	100	300
CZI UTD 300-100-400	400	400	400	100	300
CZI UTD 300-100-500	500	500	500	100	300
CZI UTD 300-100-600	600	600	600	100	300
CZI UTD 300-100-800	800	800	800	100	300
CZI UTD 300-100-1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R
CZI UTD 300-127-200	200	200	200	127	300
CZI UTD 300-127-300	300	300	300	127	300
CZI UTD 300-127-400	400	400	400	127	300
CZI UTD 300-127-500	500	500	500	127	300
CZI UTD 300-127-600	600	600	600	127	300
CZI UTD 300-127-800	800	800	800	127	300
CZI UTD 300-127-1000	1000	1000	1000	127	300





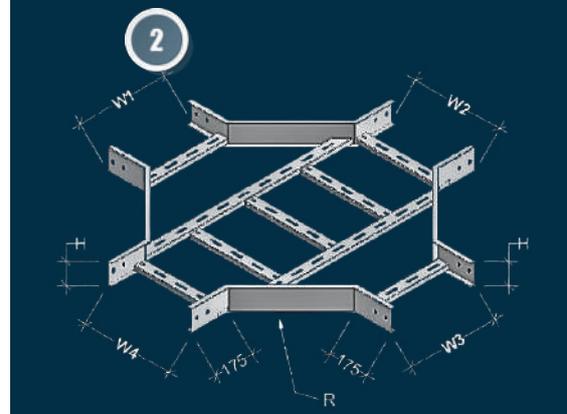
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HORIZONTAL CROSS SLU - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI UXR 300-50-100	100	100	100	100	50	300
CZI UXR 300-50-200	200	200	200	200	50	300
CZI UXR 300-50-300	300	300	300	300	50	300
CZI UXR 300-50-400	400	400	400	400	50	300
CZI UXR 300-50-500	500	500	500	500	50	300
CZI UXR 300-50-600	600	600	600	600	50	300
PART NO	W1	W2	W3	W4	H	R
CZI UXR 300-100-100	100	100	100	100	100	300
CZI UXR 300-100-200	200	200	200	200	100	300
CZI UXR 300-100-300	300	300	300	300	100	300
CZI UXR 300-100-400	400	400	400	400	100	300
CZI UXR 300-100-500	500	500	500	500	100	300
CZI UXR 300-100-600	600	600	600	600	100	300
CZI UXR 300-100-800	800	800	800	800	100	300
CZI UXR 300-100-1000	1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R	
CZI UXR 300-127-200	200	200	200	200	127	300
CZI UXR 300-127-300	300	300	300	300	127	300
CZI UXR 300-127-400	400	400	400	400	127	300
CZI UXR 300-127-500	500	500	500	500	127	300
CZI UXR 300-127-600	600	600	600	600	127	300
CZI UXR 300-127-800	800	800	800	800	127	300
CZI UXR 300-127-1000	1000	1000	1000	1000	127	300



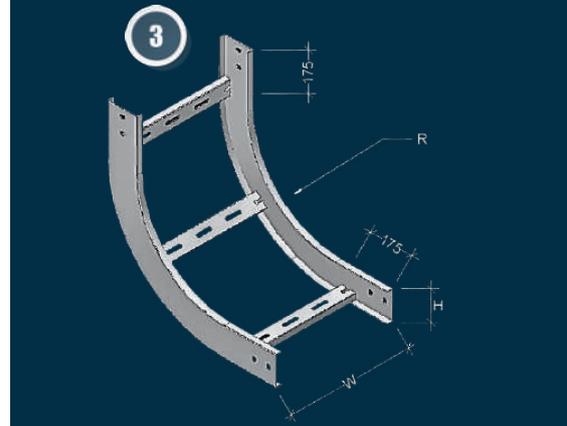
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HORIZONTAL CROSS SLU - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI UXD 300-50-100	100	100	100	100	50	300
CZI UXD 300-50-200	200	200	200	200	50	300
CZI UXD 300-50-300	300	300	300	300	50	300
CZI UXD 300-50-400	400	400	400	400	50	300
CZI UXD 300-50-500	500	500	500	500	50	300
CZI UXD 300-50-600	600	600	600	600	50	300
PART NO	W1	W2	W3	W4	H	R
CZI UXD 300-100-100	100	100	100	100	100	300
CZI UXD 300-100-200	200	200	200	200	100	300
CZI UXD 300-100-300	300	300	300	300	100	300
CZI UXD 300-100-400	400	400	400	400	100	300
CZI UXD 300-100-500	500	500	500	500	100	300
CZI UXD 300-100-600	600	600	600	600	100	300
CZI UXD 300-100-800	800	800	800	800	100	300
CZI UXD 300-100-1000	1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R	
CZI UXD 300-127-200	200	200	200	200	127	300
CZI UXD 300-127-300	300	300	300	300	127	300
CZI UXD 300-127-400	400	400	400	400	127	300
CZI UXD 300-127-500	500	500	500	500	127	300
CZI UXD 300-127-600	600	600	600	600	127	300
CZI UXD 300-127-800	800	800	800	800	127	300
CZI UXD 300-127-1000	1000	1000	1000	1000	127	300



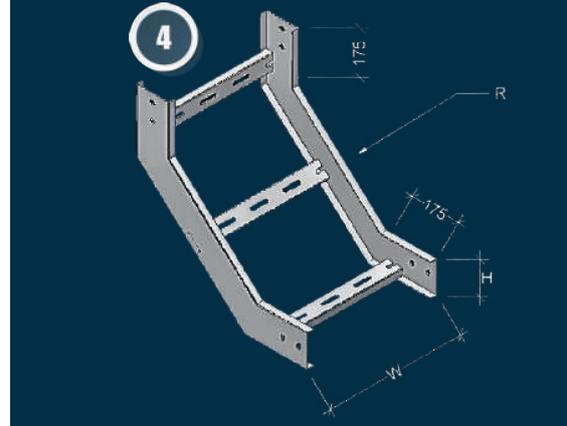
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VERTICAL INSIDE RISER SLU - RADIUS TYPE			
PART NO	W	H	R
CZI UIR 300-50-100	100	50	300
CZI UIR 300-50-200	200	50	300
CZI UIR 300-50-300	300	50	300
CZI UIR 300-50-400	400	50	300
CZI UIR 300-50-500	500	50	300
CZI UIR 300-50-600	600	50	300
PART NO	W	H	R
CZI UIR 300-100-100	100	100	300
CZI UIR 300-100-200	200	100	300
CZI UIR 300-100-300	300	100	300
CZI UIR 300-100-400	400	100	300
CZI UIR 300-100-500	500	100	300
CZI UIR 300-100-600	600	100	300
CZI UIR 300-100-800	800	100	300
CZI UIR 300-100-1000	1000	100	300
PART NO	W	H	R
CZI UIR 300-127-200	200	127	300
CZI UIR 300-127-300	300	127	300
CZI UIR 300-127-400	400	127	300
CZI UIR 300-127-500	500	127	300
CZI UIR 300-127-600	600	127	300
CZI UIR 300-127-800	800	127	300
CZI UIR 300-127-1000	1000	127	300



4

VERTICAL INSIDE RISER SLU - DIAGONAL TYPE			
PART NO	W	H	R
CZI UID 300-50-100	100	50	300
CZI UID 300-50-200	200	50	300
CZI UID 300-50-300	300	50	300
CZI UID 300-50-400	400	50	300
CZI UID 300-50-500	500	50	300
CZI UID 300-50-600	600	50	300
PART NO	W	H	R
CZI UID 300-100-100	100	100	300
CZI UID 300-100-200	200	100	300
CZI UID 300-100-300	300	100	300
CZI UID 300-100-400	400	100	300
CZI UID 300-100-500	500	100	300
CZI UID 300-100-600	600	100	300
CZI UID 300-100-800	800	100	300
CZI UID 300-100-1000	1000	100	300
PART NO	W	H	R
CZI UID 300-127-200	200	127	300
CZI UID 300-127-300	300	127	300
CZI UID 300-127-400	400	127	300
CZI UID 300-127-500	500	127	300
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CZI UID 300-127-800	800	127	300
CZI UID 300-127-1000	1000	127	300

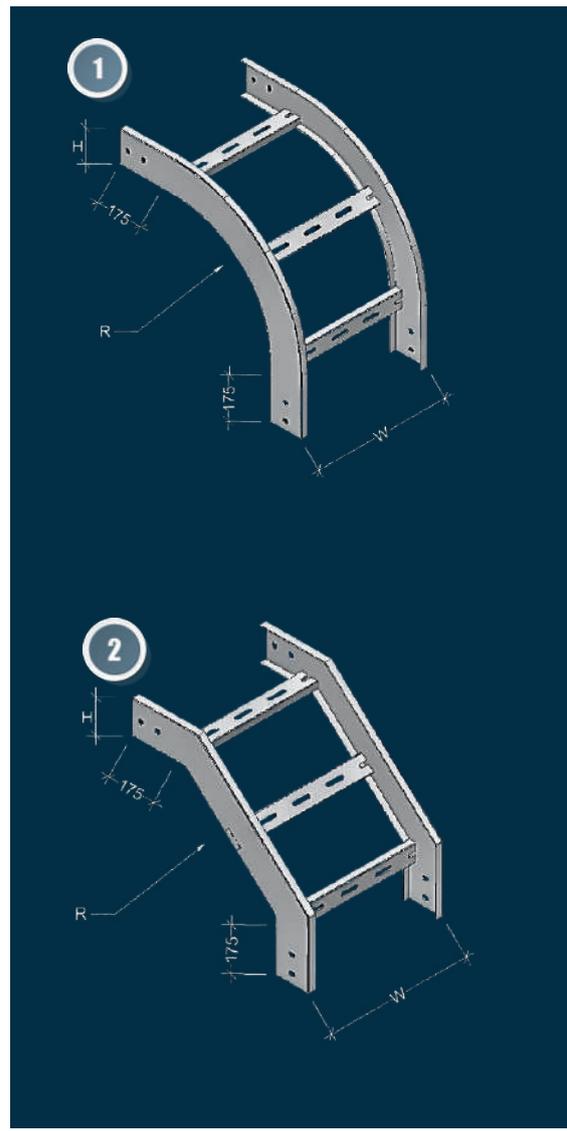


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VERTICAL OUTSIDE RISER SLU - RADIUS TYPE			
PART NO	W	H	R
CZI UOR 300-50-100	100	50	300
CZI UOR 300-50-200	200	50	300
CZI UOR 300-50-300	300	50	300
CZI UOR 300-50-400	400	50	300
CZI UOR 300-50-500	500	50	300
CZI UOR 300-50-600	600	50	300
PART NO			
CZI UOR 300-100-100	100	100	300
CZI UOR 300-100-200	200	100	300
CZI UOR 300-100-300	300	100	300
CZI UOR 300-100-400	400	100	300
CZI UOR 300-100-500	500	100	300
CZI UOR 300-100-600	600	100	300
CZI UOR 300-100-800	800	100	300
CZI UOR 300-100-1000	1000	100	300
PART NO			
CZI UOR 300-127-200	200	127	300
CZI UOR 300-127-300	300	127	300
CZI UOR 300-127-400	400	127	300
CZI UOR 300-127-500	500	127	300
CZI UOR 300-127-600	600	127	300
CZI UOR 300-127-800	800	127	300
CZI UOR 300-127-1000	1000	127	300

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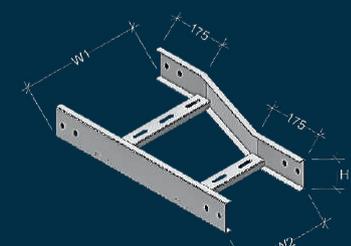
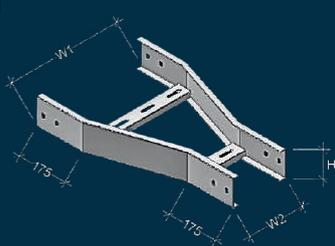
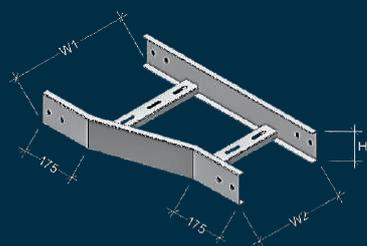
VERTICAL OUTSIDE RISER SLU - DIAGONAL TYPE			
PART NO	W	H	R
CZI UOD 300-50-100	100	50	300
CZI UOD 300-50-200	200	50	300
CZI UOD 300-50-300	300	50	300
CZI UOD 300-50-400	400	50	300
CZI UOD 300-50-500	500	50	300
CZI UOD 300-50-600	600	50	300
PART NO			
CZI UOD 300-100-100	100	100	300
CZI UOD 300-100-200	200	100	300
CZI UOD 300-100-300	300	100	300
CZI UOD 300-100-400	400	100	300
CZI UOD 300-100-500	500	100	300
CZI UOD 300-100-600	600	100	300
CZI UOD 300-100-800	800	100	300
CZI UOD 300-100-1000	1000	100	300
PART NO			
CZI UOD 300-127-200	200	127	300
CZI UOD 300-127-300	300	127	300
CZI UOD 300-127-400	400	127	300
CZI UOD 300-127-500	500	127	300
CZI UOD 300-127-600	600	127	300
CZI UOD 300-127-800	800	127	300
CZI UOD 300-127-1000	1000	127	300



SLU TYPE LEFT HAND REDUCER			
PART NO	W1	W2	H
CZI ULR 50-200-100	200	100	50
CZI ULR 50-300-200	300	200	50
CZI ULR 50-400-300	400	300	50
CZI ULR 50-500-400	500	400	50
CZI ULR 50-600-500	600	500	50
CZI ULR 100-200-100	200	100	100
CZI ULR 100-300-200	300	200	100
CZI ULR 100-400-300	400	300	100
CZI ULR 100-500-400	500	400	100
CZI ULR 100-600-500	600	500	100
CZI ULR 100-800-600	800	600	100
CZI ULR 127-300-200	300	200	127
CZI ULR 127-400-300	400	300	127
CZI ULR 127-500-400	500	400	127
CZI ULR 127-600-500	600	500	127
CZI ULR 127-800-600	800	600	127
CZI ULR 127-1000-800	1000	800	127

SLU TYPE CENTER REDUCER			
PART NO	W1	W2	H
CZI UCR 50-200-100	200	100	50
CZI UCR 50-300-200	300	200	50
CZI UCR 50-400-300	400	300	50
CZI UCR 50-500-400	500	400	50
CZI UCR 50-600-500	600	500	50
CZI UCR 100-200-100	200	100	100
CZI UCR 100-300-200	300	200	100
CZI UCR 100-400-300	400	300	100
CZI UCR 100-500-400	500	400	100
CZI UCR 100-600-500	600	500	100
CZI UCR 100-800-600	800	600	100
CZI UCR 127-300-200	300	200	127
CZI UCR 127-400-300	400	300	127
CZI UCR 127-500-400	500	400	127
CZI UCR 127-600-500	600	500	127
CZI UCR 127-800-600	800	600	127
CZI UCR 127-1000-800	1000	800	127

SLU TYPE RIGHT HAND REDUCER			
PART NO	W1	W2	H
CZI URR 50-200-100	200	100	50
CZI URR 50-300-200	300	200	50
CZI URR 50-400-300	400	300	50
CZI URR 50-500-400	500	400	50
CZI URR 50-600-500	600	500	50
CZI URR 100-200-100	200	100	100
CZI URR 100-300-200	300	200	100
CZI URR 100-400-300	400	300	100
CZI URR 100-500-400	500	400	100
CZI URR 100-600-500	600	500	100
CZI URR 100-800-600	800	600	100
CZI URR 127-300-200	300	200	127
CZI URR 127-400-300	400	300	127
CZI URR 127-500-400	500	400	127
CZI URR 127-600-500	600	500	127
CZI URR 127-800-600	800	600	127
CZI URR 127-1000-800	1000	800	127

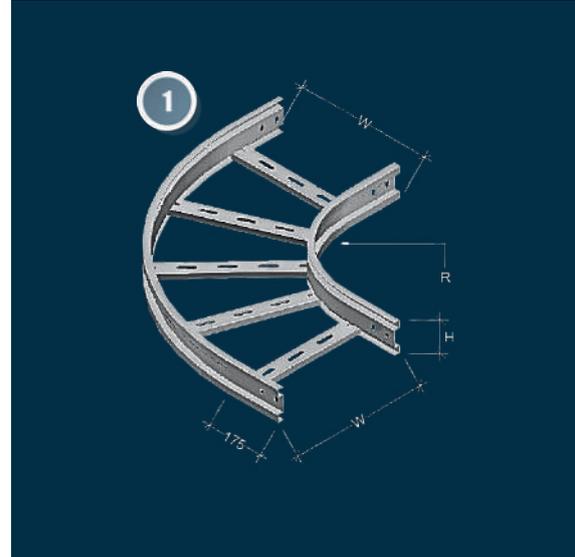






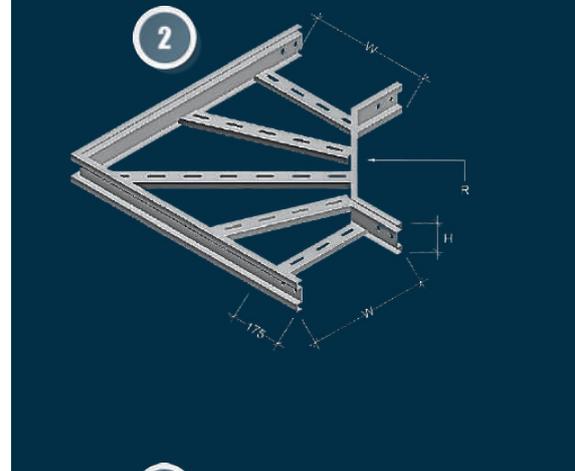
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HORIZONTAL ELBOW SLW - RADIUS TYPE			
PART NO	W	H	R
CZI WER 300-100-100	100	100	300
CZI WER 300-100-200	200	100	300
CZI WER 300-100-300	300	100	300
CZI WER 300-100-400	400	100	300
CZI WER 300-100-500	500	100	300
CZI WER 300-100-600	600	100	300
CZI WER 300-100-800	800	100	300
CZI WER 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WER 300-127-200	200	127	300
CZI WER 300-127-300	300	127	300
CZI WER 300-127-400	400	127	300
CZI WER 300-127-500	500	127	300
CZI WER 300-127-600	600	127	300
CZI WER 300-127-800	800	127	300
CZI WER 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WER 300-152-200	200	152	300
CZI WER 300-152-300	300	152	300
CZI WER 300-152-400	400	152	300
CZI WER 300-152-500	500	152	300
CZI WER 300-152-600	600	152	300
CZI WER 300-152-800	800	152	300
CZI WER 300-152-1000	1000	152	300



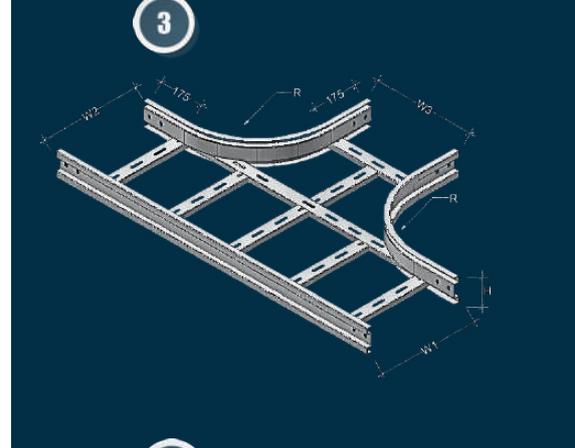
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HORIZONTAL ELBOW SLW - DIAGONAL TYPE			
PART NO	W	H	R
CZI WED 300-100-100	100	100	300
CZI WED 300-100-200	200	100	300
CZI WED 300-100-300	300	100	300
CZI WED 300-100-400	400	100	300
CZI WED 300-100-500	500	100	300
CZI WED 300-100-600	600	100	300
CZI WED 300-100-800	800	100	300
CZI WED 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WED 300-127-200	200	127	300
CZI WED 300-127-300	300	127	300
CZI WED 300-127-400	400	127	300
CZI WED 300-127-500	500	127	300
CZI WED 300-127-600	600	127	300
CZI WED 300-127-800	800	127	300
CZI WED 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WED 300-152-200	200	152	300
CZI WED 300-152-300	300	152	300
CZI WED 300-152-400	400	152	300
CZI WED 300-152-500	500	152	300
CZI WED 300-152-600	600	152	300
CZI WED 300-152-800	800	152	300
CZI WED 300-152-1000	1000	152	300



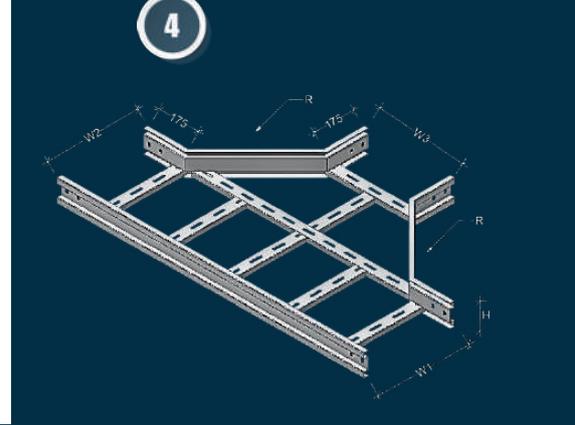
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HORIZONTAL TEE SLW - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI WTR 300-100-100	100	100	100	100	300
CZI WTR 300-100-200	200	200	200	100	300
CZI WTR 300-100-300	300	300	300	100	300
CZI WTR 300-100-400	400	400	400	100	300
CZI WTR 300-100-500	500	500	500	100	300
CZI WTR 300-100-600	600	600	600	100	300
CZI WTR 300-100-800	800	800	800	100	300
CZI WTR 300-100-1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R
CZI WTR 300-127-200	200	200	200	127	300
CZI WTR 300-127-300	300	300	300	127	300
CZI WTR 300-127-400	400	400	400	127	300
CZI WTR 300-127-500	500	500	500	127	300
CZI WTR 300-127-600	600	600	600	127	300
CZI WTR 300-127-800	800	800	800	127	300
CZI WTR 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI WTR 300-152-200	200	200	200	152	300
CZI WTR 300-152-300	300	300	300	152	300
CZI WTR 300-152-400	400	400	400	152	300
CZI WTR 300-152-500	500	500	500	152	300
CZI WTR 300-152-600	600	600	600	152	300
CZI WTR 300-152-800	800	800	800	152	300
CZI WTR 300-152-1000	1000	1000	1000	152	300



4

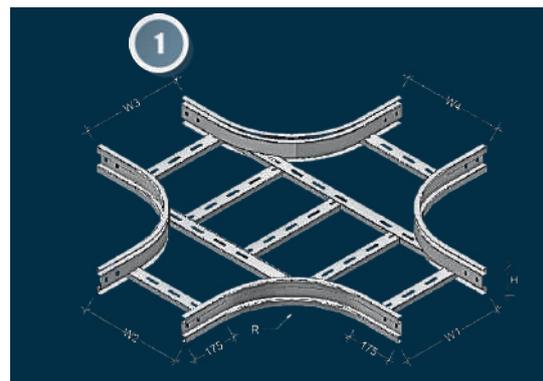
HORIZONTAL TEE SLW - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI WTD 300-100-100	100	100	100	100	300
CZI WTD 300-100-200	200	200	200	100	300
CZI WTD 300-100-300	300	300	300	100	300
CZI WTD 300-100-400	400	400	400	100	300
CZI WTD 300-100-500	500	500	500	100	300
CZI WTD 300-100-600	600	600	600	100	300
CZI WTD 300-100-800	800	800	800	100	300
CZI WTD 300-100-1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	H	R
CZI WTD 300-127-200	200	200	200	127	300
CZI WTD 300-127-300	300	300	300	127	300
CZI WTD 300-127-400	400	400	400	127	300
CZI WTD 300-127-500	500	500	500	127	300
CZI WTD 300-127-600	600	600	600	127	300
CZI WTD 300-127-800	800	800	800	127	300
CZI WTD 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI WTD 300-152-200	200	200	200	152	300
CZI WTD 300-152-300	300	300	300	152	300
CZI WTD 300-152-400	400	400	400	152	300
CZI WTD 300-152-500	500	500	500	152	300
CZI WTD 300-152-600	600	600	600	152	300
CZI WTD 300-152-800	800	800	800	152	300
CZI WTD 300-152-1000	1000	1000	1000	152	300





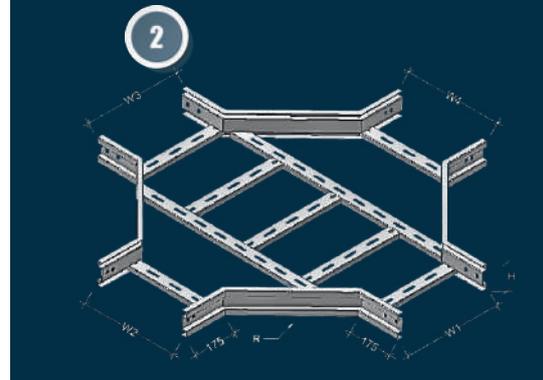
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HORIZONTAL CROSS SLW - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI WXR 300-100-100	100	100	100	100	100	300
CZI WXR 300-100-200	200	200	200	200	100	300
CZI WXR 300-100-300	300	300	300	300	100	300
CZI WXR 300-100-400	400	400	400	400	100	300
CZI WXR 300-100-500	500	500	500	500	100	300
CZI WXR 300-100-600	600	600	600	600	100	300
CZI WXR 300-100-800	800	800	800	800	100	300
CZI WXR 300-100-1000	1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	W4	H	R
CZI WXR 300-127-200	200	200	200	200	127	300
CZI WXR 300-127-300	300	300	300	300	127	300
CZI WXR 300-127-400	400	400	400	400	127	300
CZI WXR 300-127-500	500	500	500	500	127	300
CZI WXR 300-127-600	600	600	600	600	127	300
CZI WXR 300-127-800	800	800	800	800	127	300
CZI WXR 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI WXR 300-152-200	200	200	200	200	152	300
CZI WXR 300-152-300	300	300	300	300	152	300
CZI WXR 300-152-400	400	400	400	400	152	300
CZI WXR 300-152-500	500	500	500	500	152	300
CZI WXR 300-152-600	600	600	600	600	152	300
CZI WXR 300-152-800	800	800	800	800	152	300
CZI WXR 300-152-1000	1000	1000	1000	1000	152	300



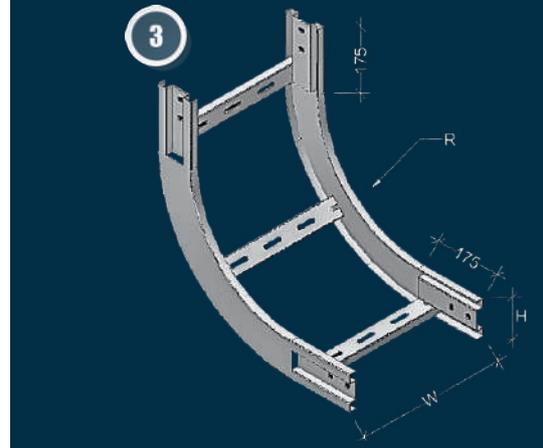
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HORIZONTAL CROSS SLW - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI WXD 300-100-100	100	100	100	100	100	300
CZI WXD 300-100-200	200	200	200	200	100	300
CZI WXD 300-100-300	300	300	300	300	100	300
CZI WXD 300-100-400	400	400	400	400	100	300
CZI WXD 300-100-500	500	500	500	500	100	300
CZI WXD 300-100-600	600	600	600	600	100	300
CZI WXD 300-100-800	800	800	800	800	100	300
CZI WXD 300-100-1000	1000	1000	1000	1000	100	300
PART NO	W1	W2	W3	W4	H	R
CZI WXD 300-127-200	200	200	200	200	127	300
CZI WXD 300-127-300	300	300	300	300	127	300
CZI WXD 300-127-400	400	400	400	400	127	300
CZI WXD 300-127-500	500	500	500	500	127	300
CZI WXD 300-127-600	600	600	600	600	127	300
CZI WXD 300-127-800	800	800	800	800	127	300
CZI WXD 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI WXD 300-152-200	200	200	200	200	152	300
CZI WXD 300-152-300	300	300	300	300	152	300
CZI WXD 300-152-400	400	400	400	400	152	300
CZI WXD 300-152-500	500	500	500	500	152	300
CZI WXD 300-152-600	600	600	600	600	152	300
CZI WXD 300-152-800	800	800	800	800	152	300
CZI WXD 300-152-1000	1000	1000	1000	1000	152	300



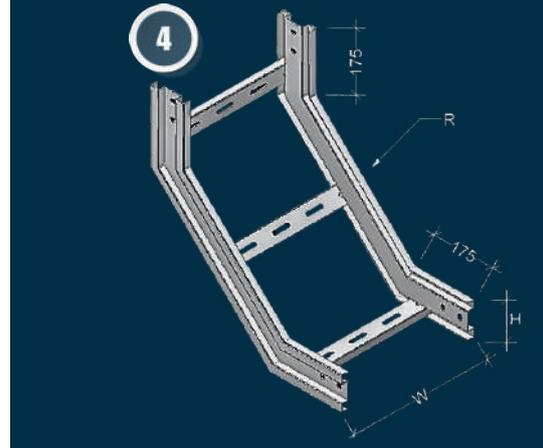
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VERTICAL INSIDE RISER SLW - RADIUS TYPE			
PART NO	W	H	R
CZI WIR 300-100-100	100	100	300
CZI WIR 300-100-200	200	100	300
CZI WIR 300-100-300	300	100	300
CZI WIR 300-100-400	400	100	300
CZI WIR 300-100-500	500	100	300
CZI WIR 300-100-600	600	100	300
CZI WIR 300-100-800	800	100	300
CZI WIR 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WIR 300-127-200	200	127	300
CZI WIR 300-127-300	300	127	300
CZI WIR 300-127-400	400	127	300
CZI WIR 300-127-500	500	127	300
CZI WIR 300-127-600	600	127	300
CZI WIR 300-127-800	800	127	300
CZI WIR 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WIR 300-152-200	200	152	300
CZI WIR 300-152-300	300	152	300
CZI WIR 300-152-400	400	152	300
CZI WIR 300-152-500	500	152	300
CZI WIR 300-152-600	600	152	300
CZI WIR 300-152-800	800	152	300
CZI WIR 300-152-1000	1000	152	300



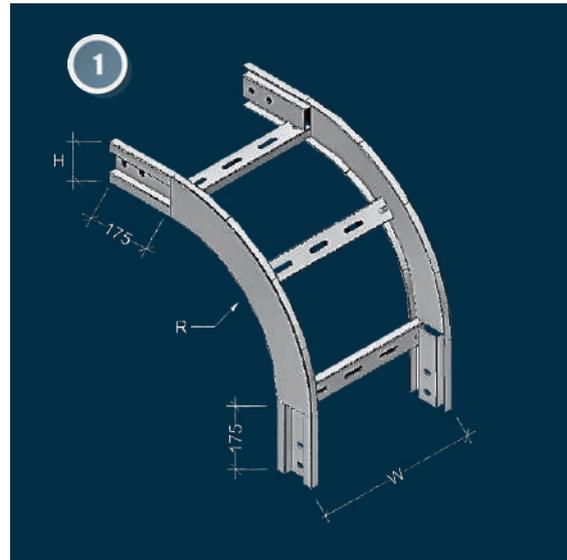
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VERTICAL INSIDE RISER SLW - DIAGONAL TYPE			
PART NO	W	H	R
CZI WID 300-100-100	100	100	300
CZI WID 300-100-200	200	100	300
CZI WID 300-100-300	300	100	300
CZI WID 300-100-400	400	100	300
CZI WID 300-100-500	500	100	300
CZI WID 300-100-600	600	100	300
CZI WID 300-100-800	800	100	300
CZI WID 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WID 300-127-200	200	127	300
CZI WID 300-127-300	300	127	300
CZI WID 300-127-400	400	127	300
CZI WID 300-127-500	500	127	300
CZI WID 300-127-600	600	127	300
CZI WID 300-127-800	800	127	300
CZI WID 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WID 300-152-200	200	152	300
CZI WID 300-152-300	300	152	300
CZI WID 300-152-400	400	152	300
CZI WID 300-152-500	500	152	300
CZI WID 300-152-600	600	152	300
CZI WID 300-152-800	800	152	300
CZI WID 300-152-1000	1000	152	300



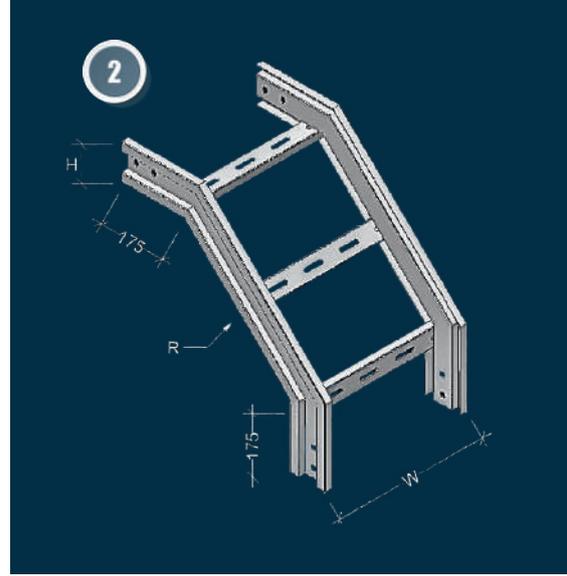
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VERTICAL OUTSIDE RISER SLW - RADIUS TYPE			
PART NO	W	H	R
CZI WOR 300-100-100	100	100	300
CZI WOR 300-100-200	200	100	300
CZI WOR 300-100-300	300	100	300
CZI WOR 300-100-400	400	100	300
CZI WOR 300-100-500	500	100	300
CZI WOR 300-100-600	600	100	300
CZI WOR 300-100-800	800	100	300
CZI WOR 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WOR 300-127-200	200	127	300
CZI WOR 300-127-300	300	127	300
CZI WOR 300-127-400	400	127	300
CZI WOR 300-127-500	500	127	300
CZI WOR 300-127-600	600	127	300
CZI WOR 300-127-800	800	127	300
CZI WOR 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WOR 300-152-200	200	152	300
CZI WOR 300-152-300	300	152	300
CZI WOR 300-152-400	400	152	300
CZI WOR 300-152-500	500	152	300
CZI WOR 300-152-600	600	152	300
CZI WOR 300-152-800	800	152	300
CZI WOR 300-152-1000	1000	152	300



2

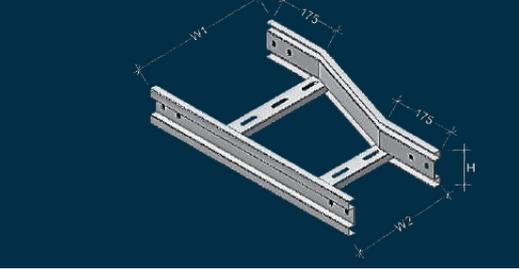
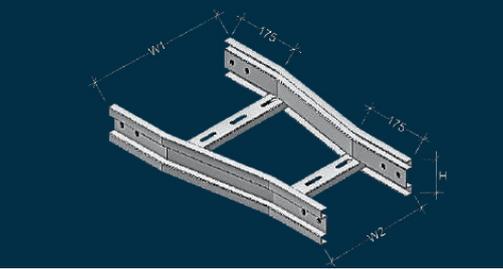
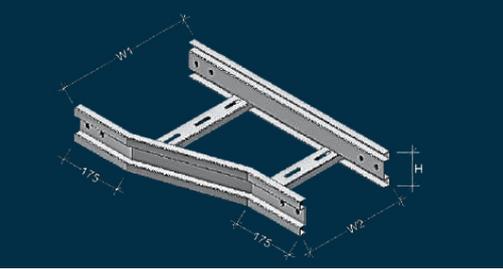
VERTICAL OUTSIDE RISER SLW - DIAGONAL TYPE			
PART NO	W	H	R
CZI WOD 300-100-100	100	100	300
CZI WOD 300-100-200	200	100	300
CZI WOD 300-100-300	300	100	300
CZI WOD 300-100-400	400	100	300
CZI WOD 300-100-500	500	100	300
CZI WOD 300-100-600	600	100	300
CZI WOD 300-100-800	800	100	300
CZI WOD 300-100-1000	1000	100	300
PART NO	W	H	R
CZI WOD 300-127-200	200	127	300
CZI WOD 300-127-300	300	127	300
CZI WOD 300-127-400	400	127	300
CZI WOD 300-127-500	500	127	300
CZI WOD 300-127-600	600	127	300
CZI WOD 300-127-800	800	127	300
CZI WOD 300-127-1000	1000	127	300
PART NO	W	H	R
CZI WOD 300-152-200	200	152	300
CZI WOD 300-152-300	300	152	300
CZI WOD 300-152-400	400	152	300
CZI WOD 300-152-500	500	152	300
CZI WOD 300-152-600	600	152	300
CZI WOD 300-152-800	800	152	300
CZI WOD 300-152-1000	1000	152	300



SLW TYPE				
LEFT HAND REDUCER				
PART NO	W1	W2	H	
CZI WLR 100-200-100	200	100	100	
CZI WLR 100-300-200	300	200	100	
CZI WLR 100-400-300	400	300	100	
CZI WLR 100-500-400	500	400	100	
CZI WLR 100-600-500	600	500	100	
CZI WLR 100-800-600	800	600	100	
CZI WLR 127-300-200	300	200	127	
CZI WLR 127-400-300	400	300	127	
CZI WLR 127-500-400	500	400	127	
CZI WLR 127-600-500	600	500	127	
CZI WLR 127-800-600	800	600	127	
CZI WLR 127-1000-800	1000	800	127	
CZI WLR 152-300-200	300	200	152	
CZI WLR 152-400-300	400	300	152	
CZI WLR 152-500-400	500	400	152	
CZI WLR 152-600-500	600	500	152	
CZI WLR 152-800-600	800	600	152	
CZI WLR 152-1000-800	1000	800	152	

SLW TYPE				
CENTER REDUCER				
PART NO	W1	W2	H	
CZI WCR 100-200-100	200	100	100	
CZI WCR 100-300-200	300	200	100	
CZI WCR 100-400-300	400	300	100	
CZI WCR 100-500-400	500	400	100	
CZI WCR 100-600-500	600	500	100	
CZI WCR 100-800-600	800	600	100	
CZI WCR 127-300-200	300	200	127	
CZI WCR 127-400-300	400	300	127	
CZI WCR 127-500-400	500	400	127	
CZI WCR 127-600-500	600	500	127	
CZI WCR 127-800-600	800	600	127	
CZI WCR 127-1000-800	1000	800	127	
CZI WCR 152-300-200	300	200	152	
CZI WCR 152-400-300	400	300	152	
CZI WCR 152-500-400	500	400	152	
CZI WCR 152-600-500	600	500	152	
CZI WCR 152-800-600	800	600	152	
CZI WCR 152-1000-800	1000	800	152	

SLW TYPE				
RIGHT HAND REDUCER				
PART NO	W1	W2	H	
CZI WRR 100-200-100	200	100	100	
CZI WRR 100-300-200	300	200	100	
CZI WRR 100-400-300	400	300	100	
CZI WRR 100-500-400	500	400	100	
CZI WRR 100-600-500	600	500	100	
CZI WRR 100-800-600	800	600	100	
CZI WRR 127-300-200	300	200	127	
CZI WRR 127-400-300	400	300	127	
CZI WRR 127-500-400	500	400	127	
CZI WRR 127-600-500	600	500	127	
CZI WRR 127-800-600	800	600	127	
CZI WRR 127-1000-800	1000	800	127	
CZI WRR 152-300-200	300	200	152	
CZI WRR 152-400-300	400	300	152	
CZI WRR 152-500-400	500	400	152	
CZI WRR 152-600-500	600	500	152	
CZI WRR 152-800-600	800	600	152	
CZI WRR 152-1000-800	1000	800	152	





1

HORIZONTAL ELBOW SLHD - RADIUS TYPE			
PART NO	W	H	R
CZI HER 300-100-200	200	100	300
CZI HER 300-100-300	300	100	300
CZI HER 300-100-400	400	100	300
CZI HER 300-100-500	500	100	300
CZI HER 300-100-600	600	100	300
CZI HER 300-100-800	800	100	300
CZI HER 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HER 300-127-200	200	127	300
CZI HER 300-127-300	300	127	300
CZI HER 300-127-400	400	127	300
CZI HER 300-127-500	500	127	300
CZI HER 300-127-600	600	127	300
CZI HER 300-127-800	800	127	300
CZI HER 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HER 300-152-200	200	152	300
CZI HER 300-152-300	300	152	300
CZI HER 300-152-400	400	152	300
CZI HER 300-152-500	500	152	300
CZI HER 300-152-600	600	152	300
CZI HER 300-152-800	800	152	300
CZI HER 300-152-1000	1000	152	300

2

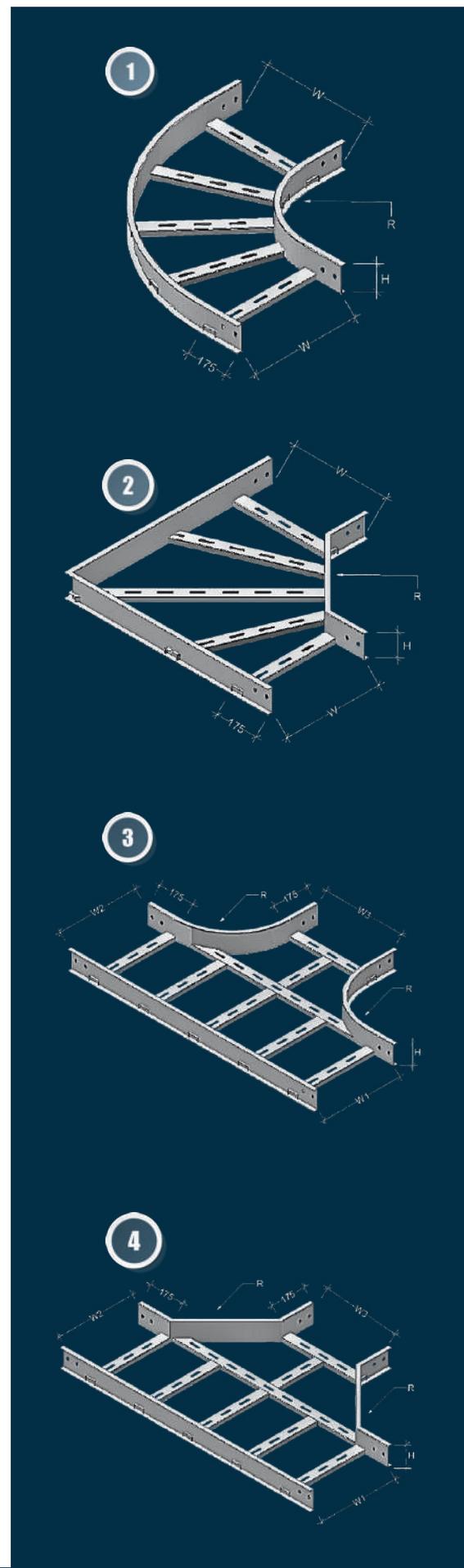
HORIZONTAL ELBOW SLHD - DIAGONAL TYPE			
PART NO	W	H	R
CZI HED 300-100-200	200	100	300
CZI HED 300-100-300	300	100	300
CZI HED 300-100-400	400	100	300
CZI HED 300-100-500	500	100	300
CZI HED 300-100-600	600	100	300
CZI HED 300-100-800	800	100	300
CZI HED 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HED 300-127-200	200	127	300
CZI HED 300-127-300	300	127	300
CZI HED 300-127-400	400	127	300
CZI HED 300-127-500	500	127	300
CZI HED 300-127-600	600	127	300
CZI HED 300-127-800	800	127	300
CZI HED 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HED 300-152-200	200	152	300
CZI HED 300-152-300	300	152	300
CZI HED 300-152-400	400	152	300
CZI HED 300-152-500	500	152	300
CZI HED 300-152-600	600	152	300
CZI HED 300-152-800	800	152	300
CZI HED 300-152-1000	1000	152	300

3

HORIZONTAL TEE SLHD - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI HTR 300-100-200	200	200	200	50	300
CZI HTR 300-100-300	300	300	300	50	300
CZI HTR 300-100-400	400	400	400	50	300
CZI HTR 300-100-500	500	500	500	50	300
CZI HTR 300-100-600	600	600	600	50	300
CZI HTR 300-100-800	800	800	800	50	300
CZI HTR 300-100-1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	H	R
CZI HTR 300-127-200	200	200	200	127	300
CZI HTR 300-127-300	300	300	300	127	300
CZI HTR 300-127-400	400	400	400	127	300
CZI HTR 300-127-500	500	500	500	127	300
CZI HTR 300-127-600	600	600	600	127	300
CZI HTR 300-127-800	800	800	800	127	300
CZI HTR 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI HTR 300-152-200	200	200	200	152	300
CZI HTR 300-152-300	300	300	300	152	300
CZI HTR 300-152-400	400	400	400	152	300
CZI HTR 300-152-500	500	500	500	152	300
CZI HTR 300-152-600	600	600	600	152	300
CZI HTR 300-152-800	800	800	800	152	300
CZI HTR 300-152-1000	1000	1000	1000	152	300

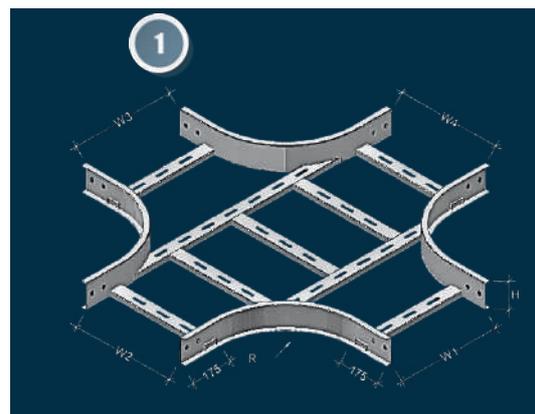
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HORIZONTAL TEE SLHD - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI HTD 300-100-200	200	200	200	50	300
CZI HTD 300-100-300	300	300	300	50	300
CZI HTD 300-100-400	400	400	400	50	300
CZI HTD 300-100-500	500	500	500	50	300
CZI HTD 300-100-600	600	600	600	50	300
CZI HTD 300-100-800	800	800	800	50	300
CZI HTD 300-100-1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	H	R
CZI HTD 300-127-200	200	200	200	127	300
CZI HTD 300-127-300	300	300	300	127	300
CZI HTD 300-127-400	400	400	400	127	300
CZI HTD 300-127-500	500	500	500	127	300
CZI HTD 300-127-600	600	600	600	127	300
CZI HTD 300-127-800	800	800	800	127	300
CZI HTD 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI HTD 300-152-200	200	200	200	152	300
CZI HTD 300-152-300	300	300	300	152	300
CZI HTD 300-152-400	400	400	400	152	300
CZI HTD 300-152-500	500	500	500	152	300
CZI HTD 300-152-600	600	600	600	152	300
CZI HTD 300-152-800	800	800	800	152	300
CZI HTD 300-152-1000	1000	1000	1000	152	300



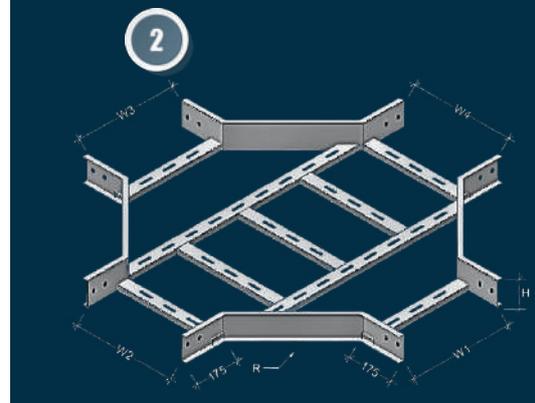
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HORIZONTAL CROSS SLHD - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI HXR 300-100-200	200	200	200	200	50	300
CZI HXR 300-100-300	300	300	300	300	50	300
CZI HXR 300-100-400	400	400	400	400	50	300
CZI HXR 300-100-500	500	500	500	500	50	300
CZI HXR 300-100-600	600	600	600	600	50	300
CZI HXR 300-100-800	800	800	800	800	50	300
CZI HXR 300-100-1000	1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	W4	H	R
CZI HXR 300-127-200	200	200	200	200	127	300
CZI HXR 300-127-300	300	300	300	300	127	300
CZI HXR 300-127-400	400	400	400	400	127	300
CZI HXR 300-127-500	500	500	500	500	127	300
CZI HXR 300-127-600	600	600	600	600	127	300
CZI HXR 300-127-800	800	800	800	800	127	300
CZI HXR 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI HXR 300-152-200	200	200	200	200	152	300
CZI HXR 300-152-300	300	300	300	300	152	300
CZI HXR 300-152-400	400	400	400	400	152	300
CZI HXR 300-152-500	500	500	500	500	152	300
CZI HXR 300-152-600	600	600	600	600	152	300
CZI HXR 300-152-800	800	800	800	800	152	300
CZI HXR 300-152-1000	1000	1000	1000	1000	152	300



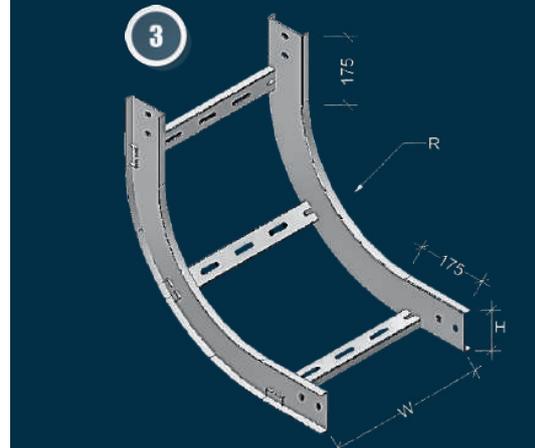
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HORIZONTAL CROSS SLHD - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI HDX 300-100-200	200	200	200	200	50	300
CZI HDX 300-100-300	300	300	300	300	50	300
CZI HDX 300-100-400	400	400	400	400	50	300
CZI HDX 300-100-500	500	500	500	500	50	300
CZI HDX 300-100-600	600	600	600	600	50	300
CZI HDX 300-100-800	800	800	800	800	50	300
CZI HDX 300-100-1000	1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	W4	H	R
CZI HDX 300-127-200	200	200	200	200	127	300
CZI HDX 300-127-300	300	300	300	300	127	300
CZI HDX 300-127-400	400	400	400	400	127	300
CZI HDX 300-127-500	500	500	500	500	127	300
CZI HDX 300-127-600	600	600	600	600	127	300
CZI HDX 300-127-800	800	800	800	800	127	300
CZI HDX 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI HDX 300-152-200	200	200	200	200	152	300
CZI HDX 300-152-300	300	300	300	300	152	300
CZI HDX 300-152-400	400	400	400	400	152	300
CZI HDX 300-152-500	500	500	500	500	152	300
CZI HDX 300-152-600	600	600	600	600	152	300
CZI HDX 300-152-800	800	800	800	800	152	300
CZI HDX 300-152-1000	1000	1000	1000	1000	152	300



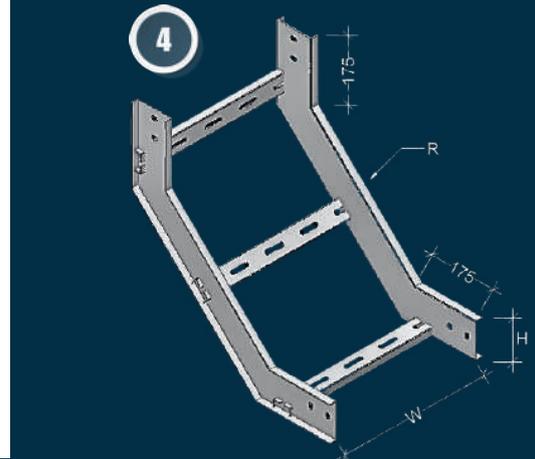
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VERTICAL INSIDE RISER SLHD - RADIUS TYPE			
PART NO	W	H	R
CZI HIR 300-100-200	200	100	300
CZI HIR 300-100-300	300	100	300
CZI HIR 300-100-400	400	100	300
CZI HIR 300-100-500	500	100	300
CZI HIR 300-100-600	600	100	300
CZI HIR 300-100-800	800	100	300
CZI HIR 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HIR 300-127-200	200	127	300
CZI HIR 300-127-300	300	127	300
CZI HIR 300-127-400	400	127	300
CZI HIR 300-127-500	500	127	300
CZI HIR 300-127-600	600	127	300
CZI HIR 300-127-800	800	127	300
CZI HIR 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HIR 300-152-200	200	152	300
CZI HIR 300-152-300	300	152	300
CZI HIR 300-152-400	400	152	300
CZI HIR 300-152-500	500	152	300
CZI HIR 300-152-600	600	152	300
CZI HIR 300-152-800	800	152	300
CZI HIR 300-152-1000	1000	152	300



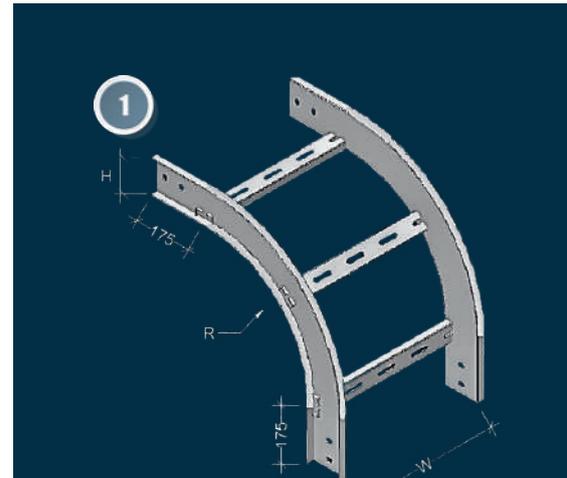
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VERTICAL INSIDE RISER SLHD - DIAGONAL TYPE			
PART NO	W	H	R
CZI HID 300-100-200	200	100	300
CZI HID 300-100-300	300	100	300
CZI HID 300-100-400	400	100	300
CZI HID 300-100-500	500	100	300
CZI HID 300-100-600	600	100	300
CZI HID 300-100-800	800	100	300
CZI HID 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HID 300-127-200	200	127	300
CZI HID 300-127-300	300	127	300
CZI HID 300-127-400	400	127	300
CZI HID 300-127-500	500	127	300
CZI HID 300-127-600	600	127	300
CZI HID 300-127-800	800	127	300
CZI HID 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HID 300-152-200	200	152	300
CZI HID 300-152-300	300	152	300
CZI HID 300-152-400	400	152	300
CZI HID 300-152-500	500	152	300
CZI HID 300-152-600	600	152	300
CZI HID 300-152-800	800	152	300
CZI HID 300-152-1000	1000	152	300



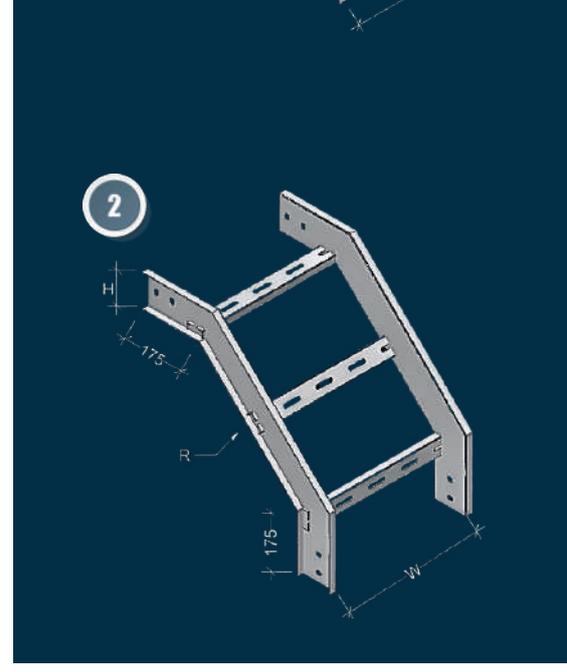
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VERTICAL OUTSIDE RISER SLHD - RADIUS TYPE						
PART NO	W	H	R			
CZI HOR 300-100-200	200	100	300			
CZI HOR 300-100-300	300	100	300			
CZI HOR 300-100-400	400	100	300			
CZI HOR 300-100-500	500	100	300			
CZI HOR 300-100-600	600	100	300			
CZI HOR 300-100-800	800	100	300			
CZI HOR 300-100-1000	1000	100	300			
PART NO				W	H	R
CZI HOR 300-127-200	200	127	300			
CZI HOR 300-127-300	300	127	300			
CZI HOR 300-127-400	400	127	300			
CZI HOR 300-127-500	500	127	300			
CZI HOR 300-127-600	600	127	300			
CZI HOR 300-127-800	800	127	300			
CZI HOR 300-127-1000	1000	127	300			
PART NO				W	H	R
CZI HOR 300-152-200	200	152	300			
CZI HOR 300-152-300	300	152	300			
CZI HOR 300-152-400	400	152	300			
CZI HOR 300-152-500	500	152	300			
CZI HOR 300-152-600	600	152	300			
CZI HOR 300-152-800	800	152	300			
CZI HOR 300-152-1000	1000	152	300			



2

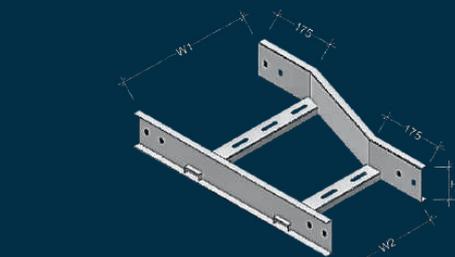
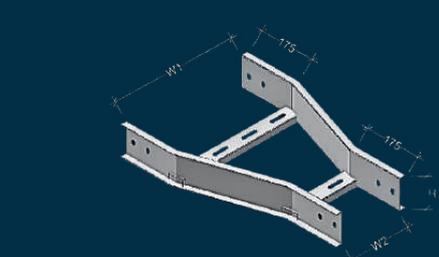
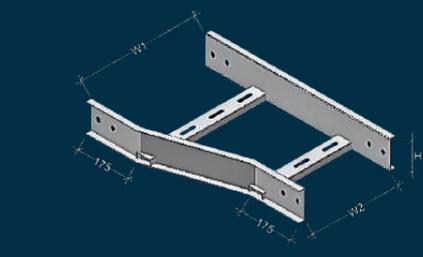
VERTICAL OUTSIDE RISER SLHD - DIAGONAL TYPE						
PART NO	W	H	R			
CZI HOD 300-100-200	200	100	300			
CZI HOD 300-100-300	300	100	300			
CZI HOD 300-100-400	400	100	300			
CZI HOD 300-100-500	500	100	300			
CZI HOD 300-100-600	600	100	300			
CZI HOD 300-100-800	800	100	300			
CZI HOD 300-100-1000	1000	100	300			
PART NO				W	H	R
CZI HOD 300-127-200	200	127	300			
CZI HOD 300-127-300	300	127	300			
CZI HOD 300-127-400	400	127	300			
CZI HOD 300-127-500	500	127	300			
CZI HOD 300-127-600	600	127	300			
CZI HOD 300-127-800	800	127	300			
CZI HOD 300-127-1000	1000	127	300			
PART NO				W	H	R
CZI HOD 300-152-200	200	152	300			
CZI HOD 300-152-300	300	152	300			
CZI HOD 300-152-400	400	152	300			
CZI HOD 300-152-500	500	152	300			
CZI HOD 300-152-600	600	152	300			
CZI HOD 300-152-800	800	152	300			
CZI HOD 300-152-1000	1000	152	300			



SLHD TYPE			
LEFT HAND REDUCER			
PART NO	W1	W2	H
CZI HLR 100-200-100	200	100	100
CZI HLR 100-300-200	300	200	100
CZI HLR 100-400-300	400	300	100
CZI HLR 100-500-400	500	400	100
CZI HLR 100-600-500	600	500	100
CZI HLR 100-800-600	800	600	100
CZI HLR 127-300-200	300	200	127
CZI HLR 127-400-300	400	300	127
CZI HLR 127-500-400	500	400	127
CZI HLR 127-600-500	600	500	127
CZI HLR 127-800-600	800	600	127
CZI HLR 127-1000-800	1000	800	127
CZI HLR 152-300-200	300	200	152
CZI HLR 152-400-300	400	300	152
CZI HLR 152-500-400	500	400	152
CZI HLR 152-600-500	600	500	152
CZI HLR 152-800-600	800	600	152
CZI HLR 152-1000-800	1000	800	152

SLHD TYPE			
CENTER REDUCER			
PART NO	W1	W2	H
CZI HCR 100-200-100	200	100	100
CZI HCR 100-300-200	300	200	100
CZI HCR 100-400-300	400	300	100
CZI HCR 100-500-400	500	400	100
CZI HCR 100-600-500	600	500	100
CZI HCR 100-800-600	800	600	100
CZI HCR 127-300-200	300	200	127
CZI HCR 127-400-300	400	300	127
CZI HCR 127-500-400	500	400	127
CZI HCR 127-600-500	600	500	127
CZI HCR 127-800-600	800	600	127
CZI HCR 127-1000-800	1000	800	127
CZI HCR 152-300-200	300	200	152
CZI HCR 152-400-300	400	300	152
CZI HCR 152-500-400	500	400	152
CZI HCR 152-600-500	600	500	152
CZI HCR 152-800-600	800	600	152
CZI HCR 152-1000-800	1000	800	152

SLHD TYPE			
RIGHT HAND REDUCER			
PART NO	W1	W2	H
CZI HRR 100-200-100	200	100	100
CZI HRR 100-300-200	300	200	100
CZI HRR 100-400-300	400	300	100
CZI HRR 100-500-400	500	400	100
CZI HRR 100-600-500	600	500	100
CZI HRR 100-800-600	800	600	100
CZI HRR 127-300-200	300	200	127
CZI HRR 127-400-300	400	300	127
CZI HRR 127-500-400	500	400	127
CZI HRR 127-600-500	600	500	127
CZI HRR 127-800-600	800	600	127
CZI HRR 127-1000-800	1000	800	127
CZI HRR 152-300-200	300	200	152
CZI HRR 152-400-300	400	300	152
CZI HRR 152-500-400	500	400	152
CZI HRR 152-600-500	600	500	152
CZI HRR 152-800-600	800	600	152
CZI HRR 152-1000-800	1000	800	152







1

HORIZONTAL ELBOW SLHD - C - RADIUS TYPE			
PART NO	W	H	R
CZI HCER 300-100-200	200	100	300
CZI HCER 300-100-300	300	100	300
CZI HCER 300-100-400	400	100	300
CZI HCER 300-100-500	500	100	300
CZI HCER 300-100-600	600	100	300
CZI HCER 300-100-800	800	100	300
CZI HCER 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HCER 300-127-200	200	127	300
CZI HCER 300-127-300	300	127	300
CZI HCER 300-127-400	400	127	300
CZI HCER 300-127-500	500	127	300
CZI HCER 300-127-600	600	127	300
CZI HCER 300-127-800	800	127	300
CZI HCER 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HCER 300-152-200	200	152	300
CZI HCER 300-152-300	300	152	300
CZI HCER 300-152-400	400	152	300
CZI HCER 300-152-500	500	152	300
CZI HCER 300-152-600	600	152	300
CZI HCER 300-152-800	800	152	300
CZI HCER 300-152-1000	1000	152	300

2

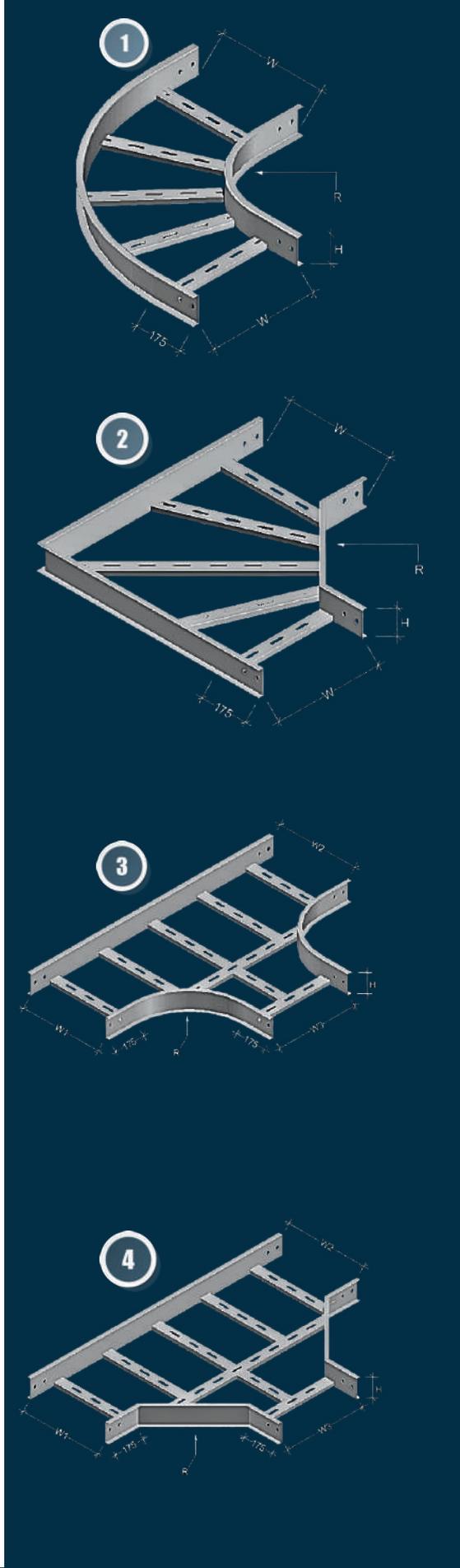
HORIZONTAL ELBOW SLHD - C - DIAGONAL TYPE			
PART NO	W	H	R
CZI HCED 300-100-200	200	100	300
CZI HCED 300-100-300	300	100	300
CZI HCED 300-100-400	400	100	300
CZI HCED 300-100-500	500	100	300
CZI HCED 300-100-600	600	100	300
CZI HCED 300-100-800	800	100	300
CZI HCED 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HCED 300-127-200	200	127	300
CZI HCED 300-127-300	300	127	300
CZI HCED 300-127-400	400	127	300
CZI HCED 300-127-500	500	127	300
CZI HCED 300-127-600	600	127	300
CZI HCED 300-127-800	800	127	300
CZI HCED 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HCED 300-152-200	200	152	300
CZI HCED 300-152-300	300	152	300
CZI HCED 300-152-400	400	152	300
CZI HCED 300-152-500	500	152	300
CZI HCED 300-152-600	600	152	300
CZI HCED 300-152-800	800	152	300
CZI HCED 300-152-1000	1000	152	300

3

HORIZONTAL TEE SLHD - C - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI HCTR 300-100-200	200	200	200	50	300
CZI HCTR 300-100-300	300	300	300	50	300
CZI HCTR 300-100-400	400	400	400	50	300
CZI HCTR 300-100-500	500	500	500	50	300
CZI HCTR 300-100-600	600	600	600	50	300
CZI HCTR 300-100-800	800	800	800	50	300
CZI HCTR 300-100-1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	H	R
CZI HCTR 300-127-200	200	200	200	127	300
CZI HCTR 300-127-300	300	300	300	127	300
CZI HCTR 300-127-400	400	400	400	127	300
CZI HCTR 300-127-500	500	500	500	127	300
CZI HCTR 300-127-600	600	600	600	127	300
CZI HCTR 300-127-800	800	800	800	127	300
CZI HCTR 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI HCTR 300-152-200	200	200	200	152	300
CZI HCTR 300-152-300	300	300	300	152	300
CZI HCTR 300-152-400	400	400	400	152	300
CZI HCTR 300-152-500	500	500	500	152	300
CZI HCTR 300-152-600	600	600	600	152	300
CZI HCTR 300-152-800	800	800	800	152	300
CZI HCTR 300-152-1000	1000	1000	1000	152	300

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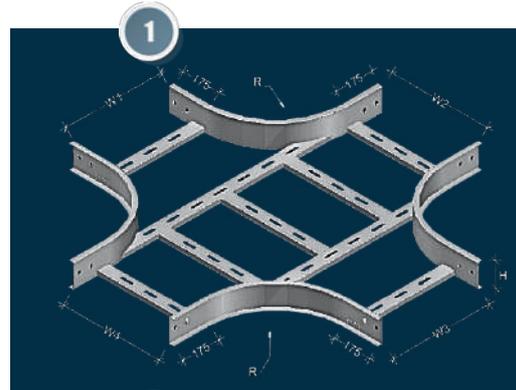
HORIZONTAL TEE SLHD - C - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI HCTD 300-100-200	200	200	200	50	300
CZI HCTD 300-100-300	300	300	300	50	300
CZI HCTD 300-100-400	400	400	400	50	300
CZI HCTD 300-100-500	500	500	500	50	300
CZI HCTD 300-100-600	600	600	600	50	300
CZI HCTD 300-100-800	800	800	800	50	300
CZI HCTD 300-100-1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	H	R
CZI HCTD 300-127-200	200	200	200	127	300
CZI HCTD 300-127-300	300	300	300	127	300
CZI HCTD 300-127-400	400	400	400	127	300
CZI HCTD 300-127-500	500	500	500	127	300
CZI HCTD 300-127-600	600	600	600	127	300
CZI HCTD 300-127-800	800	800	800	127	300
CZI HCTD 300-127-1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	H	R
CZI HCTD 300-152-200	200	200	200	152	300
CZI HCTD 300-152-300	300	300	300	152	300
CZI HCTD 300-152-400	400	400	400	152	300
CZI HCTD 300-152-500	500	500	500	152	300
CZI HCTD 300-152-600	600	600	600	152	300
CZI HCTD 300-152-800	800	800	800	152	300
CZI HCTD 300-152-1000	1000	1000	1000	152	300





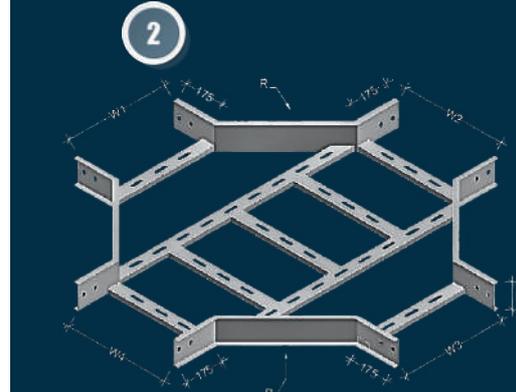
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HORIZONTAL CROSS SLHD - C - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI HCXR 300-100-200	200	200	200	200	50	300
CZI HCXR 300-100-300	300	300	300	300	50	300
CZI HCXR 300-100-400	400	400	400	400	50	300
CZI HCXR 300-100-500	500	500	500	500	50	300
CZI HCXR 300-100-600	600	600	600	600	50	300
CZI HCXR 300-100-800	800	800	800	800	50	300
CZI HCXR 300-100-1000	1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	W4	H	R
CZI HCXR 300-127-200	200	200	200	200	127	300
CZI HCXR 300-127-300	300	300	300	300	127	300
CZI HCXR 300-127-400	400	400	400	400	127	300
CZI HCXR 300-127-500	500	500	500	500	127	300
CZI HCXR 300-127-600	600	600	600	600	127	300
CZI HCXR 300-127-800	800	800	800	800	127	300
CZI HCXR 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI HCXR 300-152-200	200	200	200	200	152	300
CZI HCXR 300-152-300	300	300	300	300	152	300
CZI HCXR 300-152-400	400	400	400	400	152	300
CZI HCXR 300-152-500	500	500	500	500	152	300
CZI HCXR 300-152-600	600	600	600	600	152	300
CZI HCXR 300-152-800	800	800	800	800	152	300
CZI HCXR 300-152-1000	1000	1000	1000	1000	152	300



2

HORIZONTAL CROSS SLHD - C - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI HCXD 300-100-200	200	200	200	200	50	300
CZI HCXD 300-100-300	300	300	300	300	50	300
CZI HCXD 300-100-400	400	400	400	400	50	300
CZI HCXD 300-100-500	500	500	500	500	50	300
CZI HCXD 300-100-600	600	600	600	600	50	300
CZI HCXD 300-100-800	800	800	800	800	50	300
CZI HCXD 300-100-1000	1000	1000	1000	1000	50	300
PART NO	W1	W2	W3	W4	H	R
CZI HCXD 300-127-200	200	200	200	200	127	300
CZI HCXD 300-127-300	300	300	300	300	127	300
CZI HCXD 300-127-400	400	400	400	400	127	300
CZI HCXD 300-127-500	500	500	500	500	127	300
CZI HCXD 300-127-600	600	600	600	600	127	300
CZI HCXD 300-127-800	800	800	800	800	127	300
CZI HCXD 300-127-1000	1000	1000	1000	1000	127	300
PART NO	W1	W2	W3	W4	H	R
CZI HCXD 300-152-200	200	200	200	200	152	300
CZI HCXD 300-152-300	300	300	300	300	152	300
CZI HCXD 300-152-400	400	400	400	400	152	300
CZI HCXD 300-152-500	500	500	500	500	152	300
CZI HCXD 300-152-600	600	600	600	600	152	300
CZI HCXD 300-152-800	800	800	800	800	152	300
CZI HCXD 300-152-1000	1000	1000	1000	1000	152	300



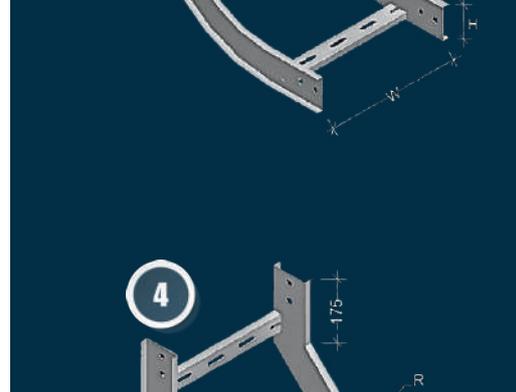
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VERTICAL INSIDE RISER SLHD - C - RADIUS TYPE			
PART NO	W	H	R
CZI HCIR 300-100-200	200	100	300
CZI HCIR 300-100-300	300	100	300
CZI HCIR 300-100-400	400	100	300
CZI HCIR 300-100-500	500	100	300
CZI HCIR 300-100-600	600	100	300
CZI HCIR 300-100-800	800	100	300
CZI HCIR 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HCIR 300-127-200	200	127	300
CZI HCIR 300-127-300	300	127	300
CZI HCIR 300-127-400	400	127	300
CZI HCIR 300-127-500	500	127	300
CZI HCIR 300-127-600	600	127	300
CZI HCIR 300-127-800	800	127	300
CZI HCIR 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HCIR 300-152-200	200	152	300
CZI HCIR 300-152-300	300	152	300
CZI HCIR 300-152-400	400	152	300
CZI HCIR 300-152-500	500	152	300
CZI HCIR 300-152-600	600	152	300
CZI HCIR 300-152-800	800	152	300
CZI HCIR 300-152-1000	1000	152	300



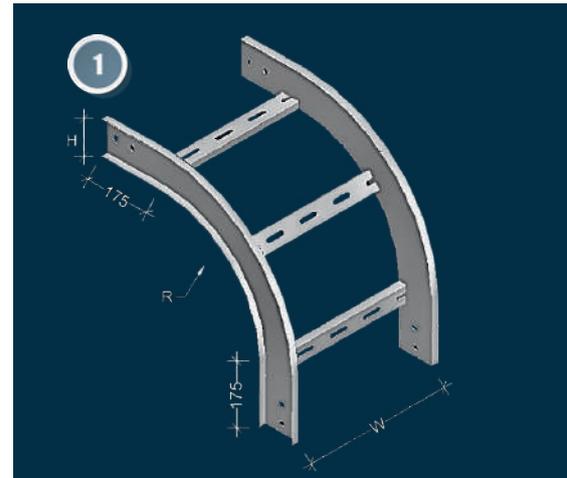
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VERTICAL INSIDE RISER SLHD - C - DIAGONAL TYPE			
PART NO	W	H	R
CZI HCID 300-100-200	200	100	300
CZI HCID 300-100-300	300	100	300
CZI HCID 300-100-400	400	100	300
CZI HCID 300-100-500	500	100	300
CZI HCID 300-100-600	600	100	300
CZI HCID 300-100-800	800	100	300
CZI HCID 300-100-1000	1000	100	300
PART NO	W	H	R
CZI HCID 300-127-200	200	127	300
CZI HCID 300-127-300	300	127	300
CZI HCID 300-127-400	400	127	300
CZI HCID 300-127-500	500	127	300
CZI HCID 300-127-600	600	127	300
CZI HCID 300-127-800	800	127	300
CZI HCID 300-127-1000	1000	127	300
PART NO	W	H	R
CZI HCID 300-152-200	200	152	300
CZI HCID 300-152-300	300	152	300
CZI HCID 300-152-400	400	152	300
CZI HCID 300-152-500	500	152	300
CZI HCID 300-152-600	600	152	300
CZI HCID 300-152-800	800	152	300
CZI HCID 300-152-1000	1000	152	300



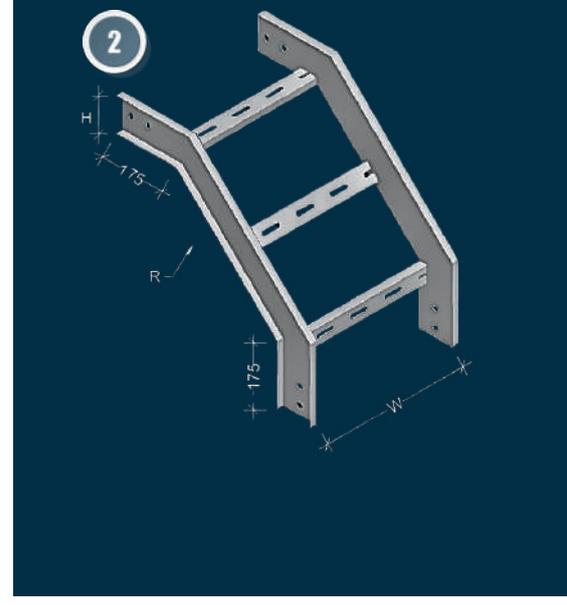
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VERTICAL OUTSIDE RISER SLHD - C - RADIUS TYPE						
PART NO	W	H	R			
CZI HCOR 300-100-200	200	100	300			
CZI HCOR 300-100-300	300	100	300			
CZI HCOR 300-100-400	400	100	300			
CZI HCOR 300-100-500	500	100	300			
CZI HCOR 300-100-600	600	100	300			
CZI HCOR 300-100-800	800	100	300			
CZI HCOR 300-100-1000	1000	100	300			
PART NO				W	H	R
CZI HCOR 300-127-200	200	127	300			
CZI HCOR 300-127-300	300	127	300			
CZI HCOR 300-127-400	400	127	300			
CZI HCOR 300-127-500	500	127	300			
CZI HCOR 300-127-600	600	127	300			
CZI HCOR 300-127-800	800	127	300			
CZI HCOR 300-127-1000	1000	127	300			
PART NO				W	H	R
CZI HCOR 300-152-200	200	152	300			
CZI HCOR 300-152-300	300	152	300			
CZI HCOR 300-152-400	400	152	300			
CZI HCOR 300-152-500	500	152	300			
CZI HCOR 300-152-600	600	152	300			
CZI HCOR 300-152-800	800	152	300			
CZI HCOR 300-152-1000	1000	152	300			



2

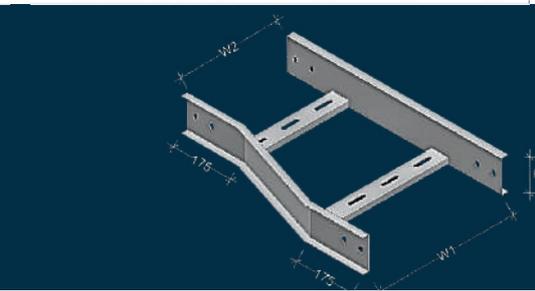
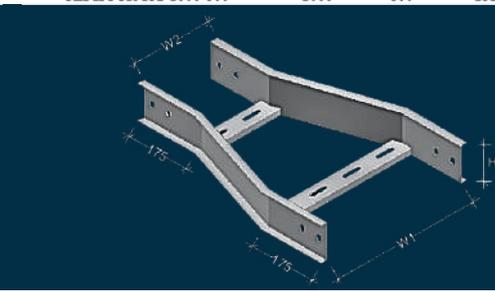
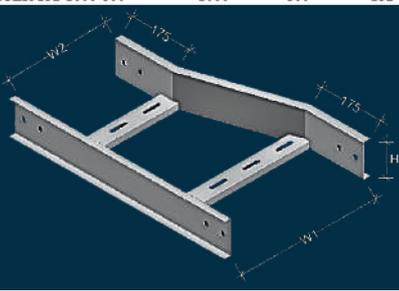
VERTICAL OUTSIDE RISER SLHD - C - DIAGONAL TYPE						
PART NO	W	H	R			
CZI HCOD 300-100-200	200	100	300			
CZI HCOD 300-100-300	300	100	300			
CZI HCOD 300-100-400	400	100	300			
CZI HCOD 300-100-500	500	100	300			
CZI HCOD 300-100-600	600	100	300			
CZI HCOD 300-100-800	800	100	300			
CZI HCOD 300-100-1000	1000	100	300			
PART NO				W	H	R
CZI HCOD 300-127-200	200	127	300			
CZI HCOD 300-127-300	300	127	300			
CZI HCOD 300-127-400	400	127	300			
CZI HCOD 300-127-500	500	127	300			
CZI HCOD 300-127-600	600	127	300			
CZI HCOD 300-127-800	800	127	300			
CZI HCOD 300-127-1000	1000	127	300			
PART NO				W	H	R
CZI HCOD 300-152-200	200	152	300			
CZI HCOD 300-152-300	300	152	300			
CZI HCOD 300-152-400	400	152	300			
CZI HCOD 300-152-500	500	152	300			
CZI HCOD 300-152-600	600	152	300			
CZI HCOD 300-152-800	800	152	300			
CZI HCOD 300-152-1000	1000	152	300			



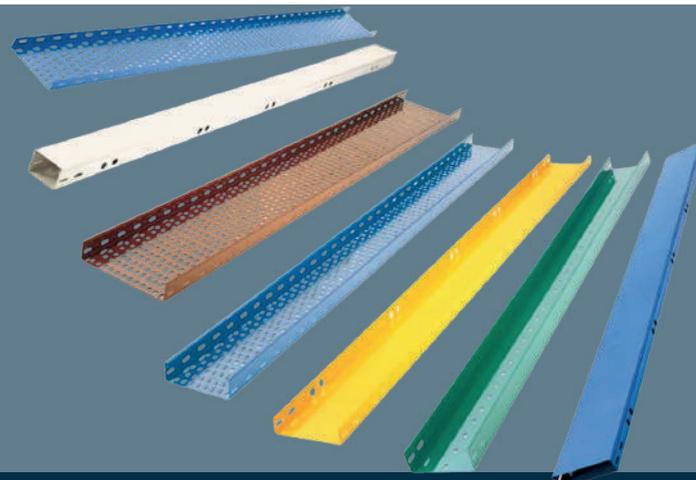
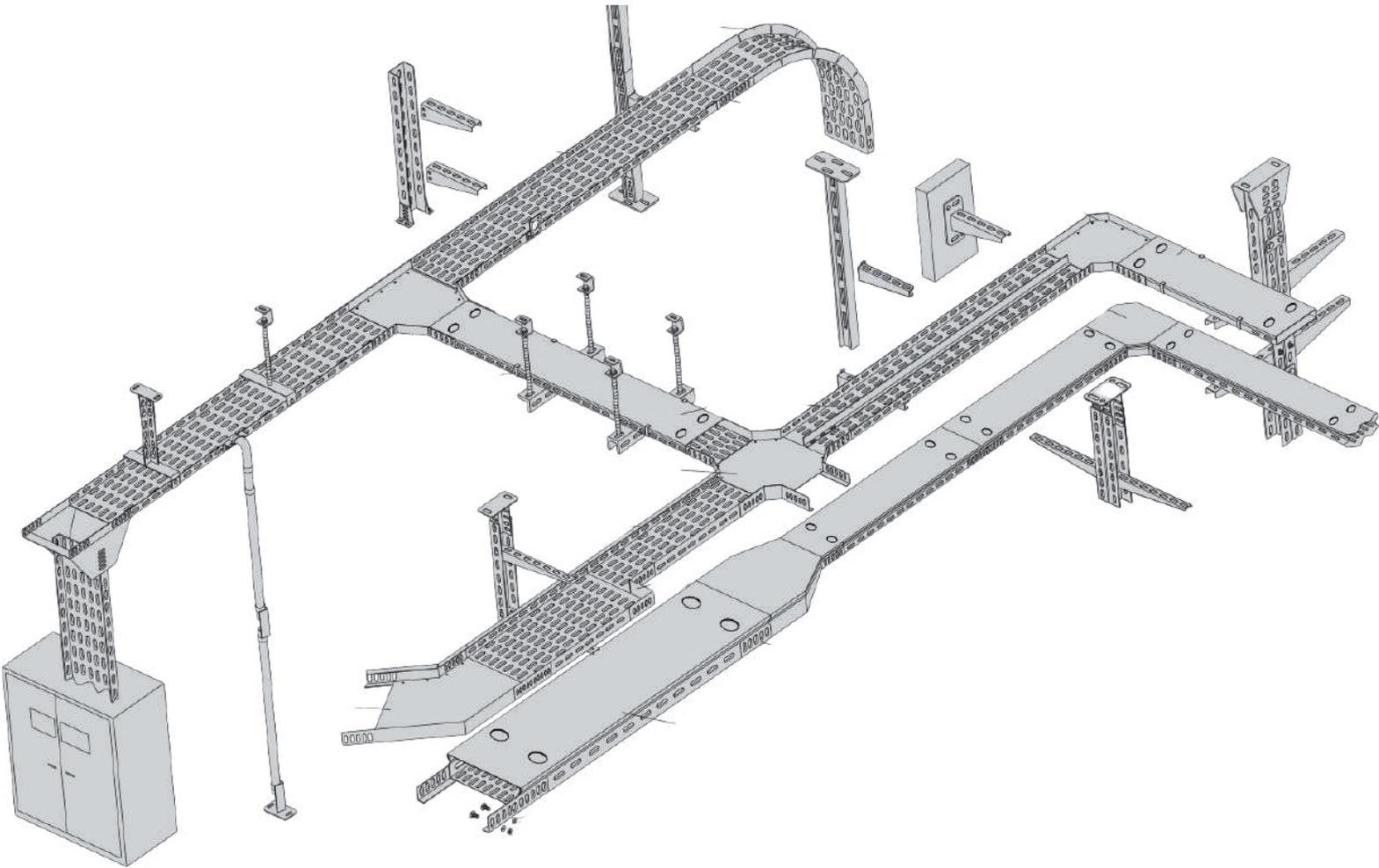
SLHD - C - TYPE LEFT HAND REDUCER			
PART NO	W1	W2	H
CZI HCLR 100-200-100	200	100	100
CZI HCLR 100-300-200	300	200	100
CZI HCLR 100-400-300	400	300	100
CZI HCLR 100-500-400	500	400	100
CZI HCLR 100-600-500	600	500	100
CZI HCLR 100-800-600	800	600	100
CZI HCLR 127-300-200	300	200	127
CZI HCLR 127-400-300	400	300	127
CZI HCLR 127-500-400	500	400	127
CZI HCLR 127-600-500	600	500	127
CZI HCLR 127-800-600	800	600	127
CZI HCLR 127-1000-800	1000	800	127
CZI HCLR 152-300-200	300	200	152
CZI HCLR 152-400-300	400	300	152
CZI HCLR 152-500-400	500	400	152
CZI HCLR 152-600-500	600	500	152
CZI HCLR 152-800-600	800	600	152
CZI HCLR 152-1000-800	1000	800	152

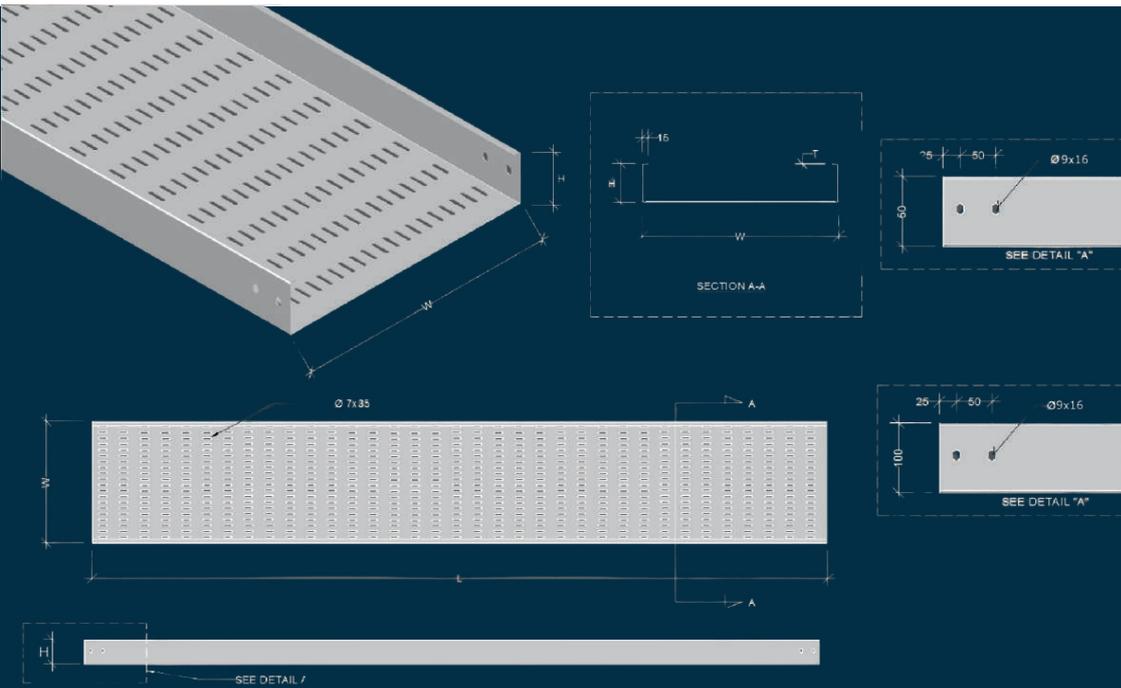
SLHD - C - TYPE CENTER REDUCER			
PART NO	W1	W2	H
CZI HCCR 100-200-100	200	100	100
CZI HCCR 100-300-200	300	200	100
CZI HCCR 100-400-300	400	300	100
CZI HCCR 100-500-400	500	400	100
CZI HCCR 100-600-500	600	500	100
CZI HCCR 100-800-600	800	600	100
CZI HCCR 127-300-200	300	200	127
CZI HCCR 127-400-300	400	300	127
CZI HCCR 127-500-400	500	400	127
CZI HCCR 127-600-500	600	500	127
CZI HCCR 127-800-600	800	600	127
CZI HCCR 127-1000-800	1000	800	127
CZI HCCR 152-300-200	300	200	152
CZI HCCR 152-400-300	400	300	152
CZI HCCR 152-500-400	500	400	152
CZI HCCR 152-600-500	600	500	152
CZI HCCR 152-800-600	800	600	152
CZI HCCR 152-1000-800	1000	800	152

SLHD - C - TYPE RIGHT HAND REDUCER			
PART NO	W1	W2	H
CZI HCRR 100-200-100	200	100	100
CZI HCRR 100-300-200	300	200	100
CZI HCRR 100-400-300	400	300	100
CZI HCRR 100-500-400	500	400	100
CZI HCRR 100-600-500	600	500	100
CZI HCRR 100-800-600	800	600	100
CZI HCRR 127-300-200	300	200	127
CZI HCRR 127-400-300	400	300	127
CZI HCRR 127-500-400	500	400	127
CZI HCRR 127-600-500	600	500	127
CZI HCRR 127-800-600	800	600	127
CZI HCRR 127-1000-800	1000	800	127
CZI HCRR 152-300-200	300	200	152
CZI HCRR 152-400-300	400	300	152
CZI HCRR 152-500-400	500	400	152
CZI HCRR 152-600-500	600	500	152
CZI HCRR 152-800-600	800	600	152
CZI HCRR 152-1000-800	1000	800	152



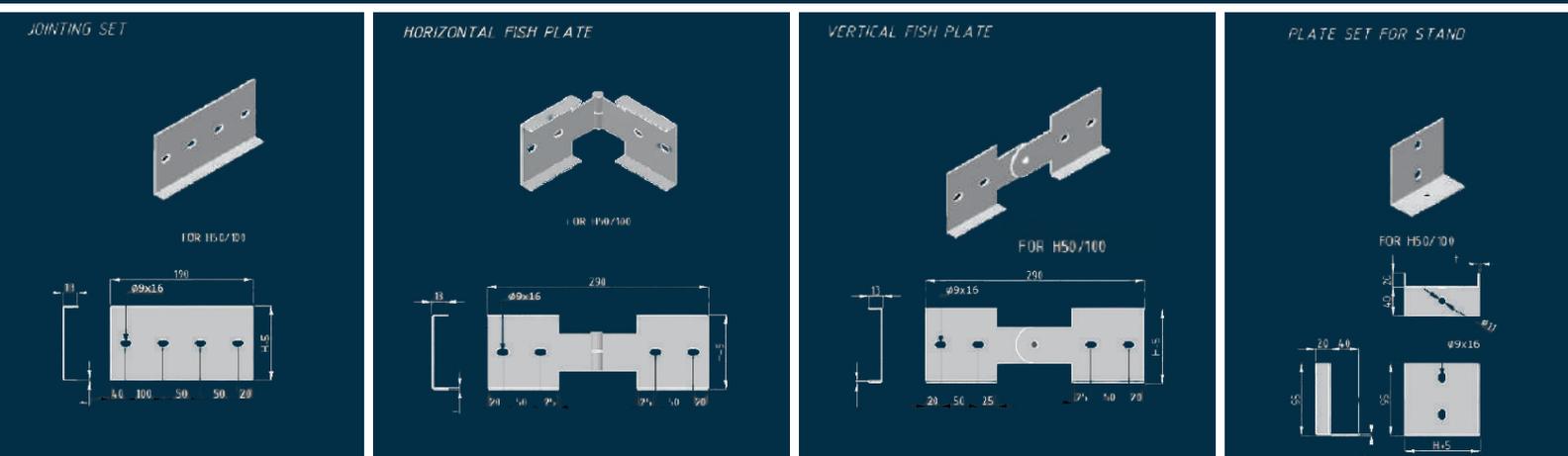
## INSTALASI TRAY





STRAIGHT TRAY STC TYPE			
PART NO	W	H	L
CZI TCS 3000-50-50	50	50	3000
CZI TCS 3000-50-100	100	50	3000
CZI TCS 3000-50-200	200	50	3000
CZI TCS 3000-50-300	300	50	3000
CZI TCS 3000-50-400	400	50	3000
CZI TCS 3000-50-500	500	50	3000
CZI TCS 3000-50-600	600	50	3000
CZI TCS 3000-50-800	800	50	3000
PART NO	W	H	L
CZI TCS 3000-100-100	100	100	3000
CZI TCS 3000-100-200	200	100	3000
CZI TCS 3000-100-300	300	100	3000
CZI TCS 3000-100-400	400	100	3000
CZI TCS 3000-100-500	500	100	3000
CZI TCS 3000-100-600	600	100	3000
CZI TCS 3000-100-800	800	100	3000

## JOINT SET STC - TYPE



**1**

**HORIZONTAL ELBOW STC - RADIUS TYPE**

PART NO	W	H	R
CZI TCER 300-50-50	50	50	300
CZI TCER 300-50-100	100	50	300
CZI TCER 300-50-200	200	50	300
CZI TCER 300-50-300	300	50	300
CZI TCER 300-50-400	400	50	300
CZI TCER 300-50-500	500	50	300
CZI TCER 300-50-600	600	50	300
CZI TCER 300-50-800	800	50	300
PART NO	W	H	R
CZI TCER 300-100-100	100	100	300
CZI TCER 300-100-200	200	100	300
CZI TCER 300-100-300	300	100	300
CZI TCER 300-100-400	400	100	300
CZI TCER 300-100-500	500	100	300
CZI TCER 300-100-600	600	100	300
CZI TCER 300-100-800	800	100	300

**2**

**HORIZONTAL ELBOW STC - DIAGONAL TYPE**

PART NO	W	H	R
CZI TCED 300-50-50	50	50	300
CZI TCED 300-50-100	100	50	300
CZI TCED 300-50-200	200	50	300
CZI TCED 300-50-300	300	50	300
CZI TCED 300-50-400	400	50	300
CZI TCED 300-50-500	500	50	300
CZI TCED 300-50-600	600	50	300
CZI TCED 300-50-800	800	50	300
PART NO	W	H	R
CZI TCED 300-100-100	100	100	300
CZI TCED 300-100-200	200	100	300
CZI TCED 300-100-300	300	100	300
CZI TCED 300-100-400	400	100	300
CZI TCED 300-100-500	500	100	300
CZI TCED 300-100-600	600	100	300
CZI TCED 300-100-800	800	100	300

**3**

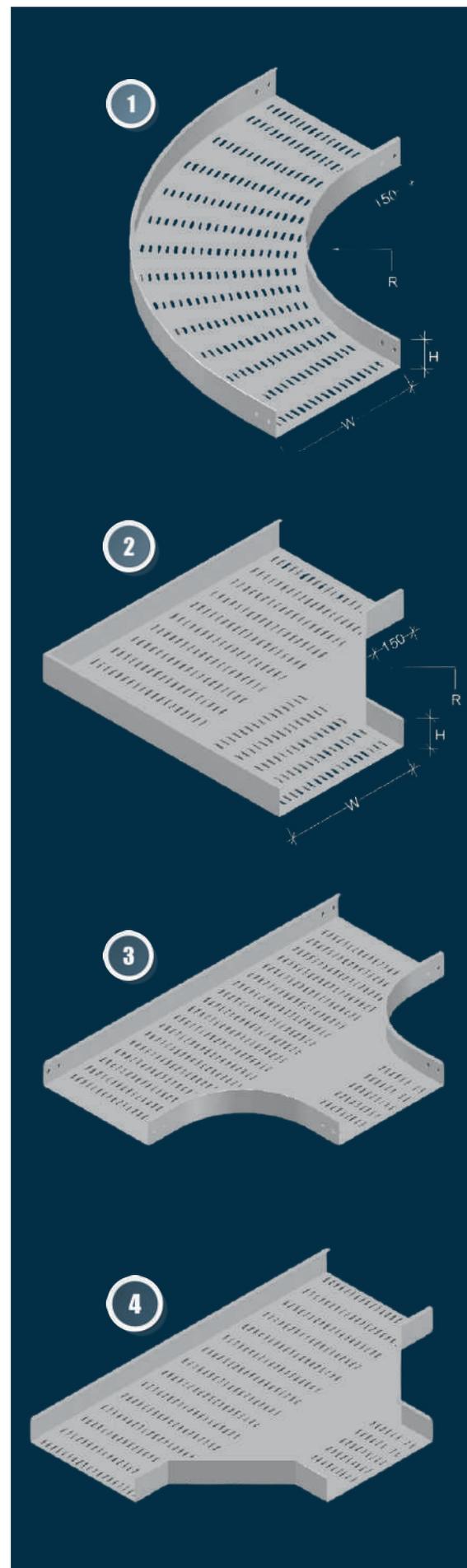
**HORIZONTAL TEE STC - RADIUS TYPE**

PART NO	W1	W2	W3	H	R
CZI TCTR 300-50-50	50	50	50	50	300
CZI TCTR 300-50-101	100	100	100	50	300
CZI TCTR 300-50-200	200	200	200	50	300
CZI TCTR 300-50-300	300	300	300	50	300
CZI TCTR 300-50-400	400	400	400	50	300
CZI TCTR 300-50-500	500	500	500	50	300
CZI TCTR 300-50-600	600	600	600	50	300
CZI TCTR 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TCTR 300-100-200	200	200	200	100	300
CZI TCTR 300-100-300	300	300	300	100	300
CZI TCTR 300-100-400	400	400	400	100	300
CZI TCTR 300-100-500	500	500	500	100	300
CZI TCTR 300-100-600	600	600	600	100	300
CZI TCTR 300-100-800	800	800	800	100	300

**4**

**HORIZONTAL TEE STC - DIAGONAL TYPE**

PART NO	W1	W2	W3	H	R
CZI TCTD 300-50-50	50	50	50	50	300
CZI TCTD 300-50-101	100	100	100	50	300
CZI TCTD 300-50-200	200	200	200	50	300
CZI TCTD 300-50-300	300	300	300	50	300
CZI TCTD 300-50-400	400	400	400	50	300
CZI TCTD 300-50-500	500	500	500	50	300
CZI TCTD 300-50-600	600	600	600	50	300
CZI TCTD 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TCTD 300-100-200	200	200	200	100	300
CZI TCTD 300-100-300	300	300	300	100	300
CZI TCTD 300-100-400	400	400	400	100	300
CZI TCTD 300-100-500	500	500	500	100	300
CZI TCTD 300-100-600	600	600	600	100	300
CZI TCTD 300-100-800	800	800	800	100	300



**1**

HORIZONTAL CROSS STC - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TCXR 300-50-50	50	50	50	50	50	300
CZI TCXR 300-50-100	100	100	100	100	50	300
CZI TCXR 300-50-200	200	200	200	200	50	300
CZI TCXR 300-50-300	300	300	300	300	50	300
CZI TCXR 300-50-400	400	400	400	400	50	300
CZI TCXR 300-50-500	500	500	500	500	50	300
CZI TCXR 300-50-600	600	600	600	600	50	300
CZI TCXR 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TCXR 300-100-100	100	100	100	100	100	300
CZI TCXR 300-100-200	200	200	200	200	100	300
CZI TCXR 300-100-300	300	300	300	300	100	300
CZI TCXR 300-100-400	400	400	400	400	100	300
CZI TCXR 300-100-500	500	500	500	500	100	300
CZI TCXR 300-100-600	600	600	600	600	100	300
CZI TCXR 300-100-800	800	800	800	800	100	300

**2**

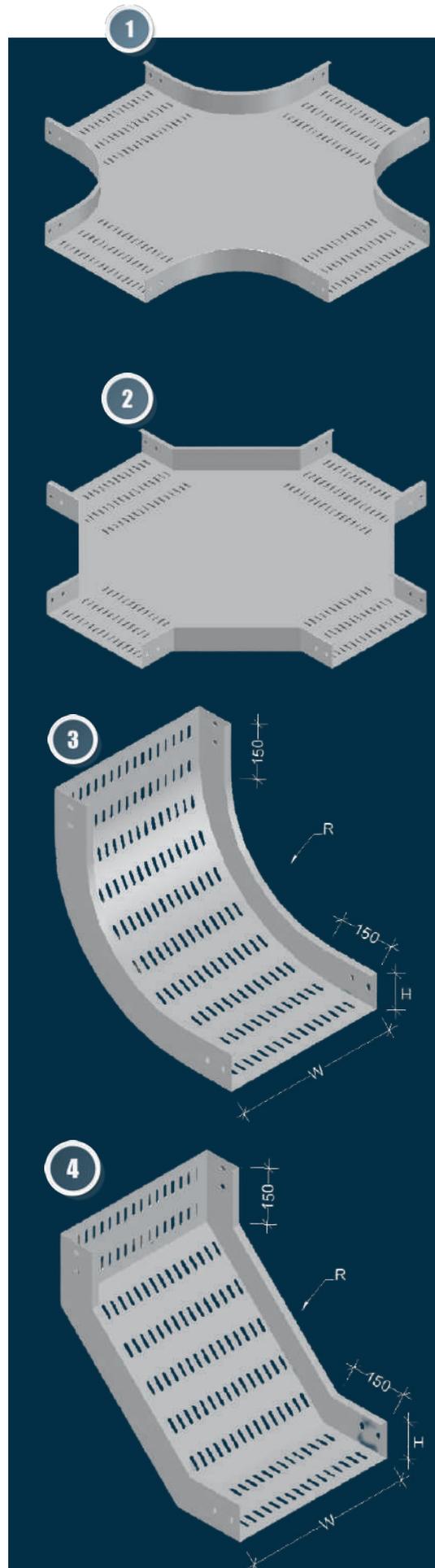
HORIZONTAL CROSS STC - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TCXD 300-50-50	50	50	50	50	50	300
CZI TCXD 300-50-100	100	100	100	100	50	300
CZI TCXD 300-50-200	200	200	200	200	50	300
CZI TCXD 300-50-300	300	300	300	300	50	300
CZI TCXD 300-50-400	400	400	400	400	50	300
CZI TCXD 300-50-500	500	500	500	500	50	300
CZI TCXD 300-50-600	600	600	600	600	50	300
CZI TCXD 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TCXD 300-100-100	100	100	100	100	100	300
CZI TCXD 300-100-200	200	200	200	200	100	300
CZI TCXD 300-100-300	300	300	300	300	100	300
CZI TCXD 300-100-400	400	400	400	400	100	300
CZI TCXD 300-100-500	500	500	500	500	100	300
CZI TCXD 300-100-600	600	600	600	600	100	300
CZI TCXD 300-100-800	800	800	800	800	100	300

**3**

VERTICAL INSIDE RISER STC - RADIUS TYPE			
PART NO	W	H	R
CZI TCIR 300-50-50	50	50	300
CZI TCIR 300-50-100	100	50	300
CZI TCIR 300-50-200	200	50	300
CZI TCIR 300-50-300	300	50	300
CZI TCIR 300-50-400	400	50	300
CZI TCIR 300-50-500	500	50	300
CZI TCIR 300-50-600	600	50	300
CZI TCIR 300-50-800	800	50	300
PART NO	W	H	R
CZI TCIR 300-100-100	100	100	300
CZI TCIR 300-100-200	200	100	300
CZI TCIR 300-100-300	300	100	300
CZI TCIR 300-100-400	400	100	300
CZI TCIR 300-100-500	500	100	300
CZI TCIR 300-100-600	600	100	300
CZI TCIR 300-100-800	800	100	300

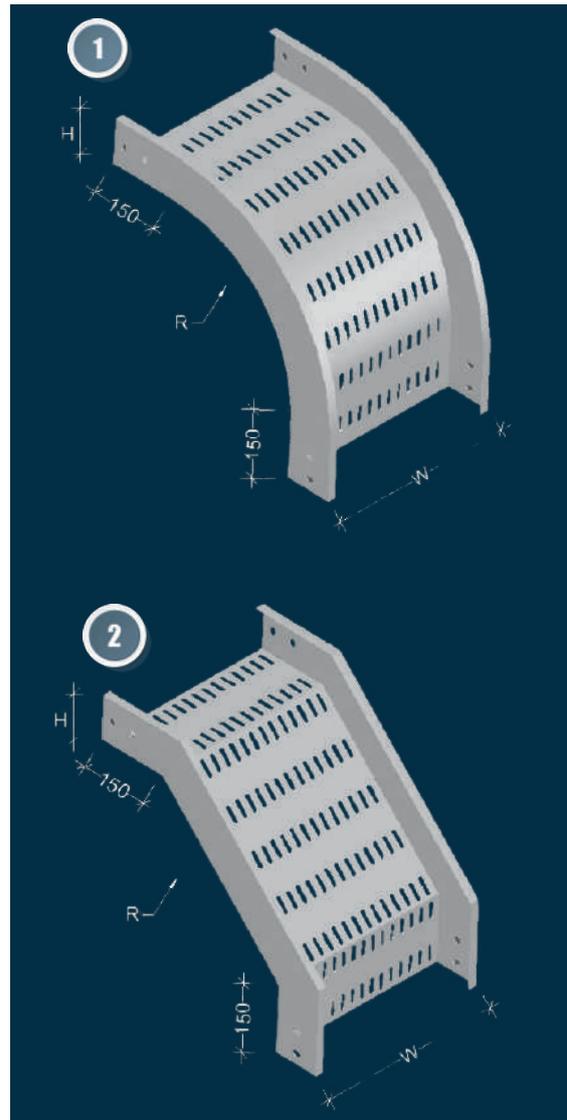
**4**

VERTICAL INSIDE RISER STC - DIAGONAL TYPE			
PART NO	W	H	R
CZI TCID 300-50-50	50	50	300
CZI TCID 300-50-100	100	50	300
CZI TCID 300-50-200	200	50	300
CZI TCID 300-50-300	300	50	300
CZI TCID 300-50-400	400	50	300
CZI TCID 300-50-500	500	50	300
CZI TCID 300-50-600	600	50	300
CZI TCID 300-50-800	800	50	300
PART NO	W	H	R
CZI TCID 300-100-100	100	100	300
CZI TCID 300-100-200	200	100	300
CZI TCID 300-100-300	300	100	300
CZI TCID 300-100-400	400	100	300
CZI TCID 300-100-500	500	100	300
CZI TCID 300-100-600	600	100	300
CZI TCID 300-100-800	800	100	300



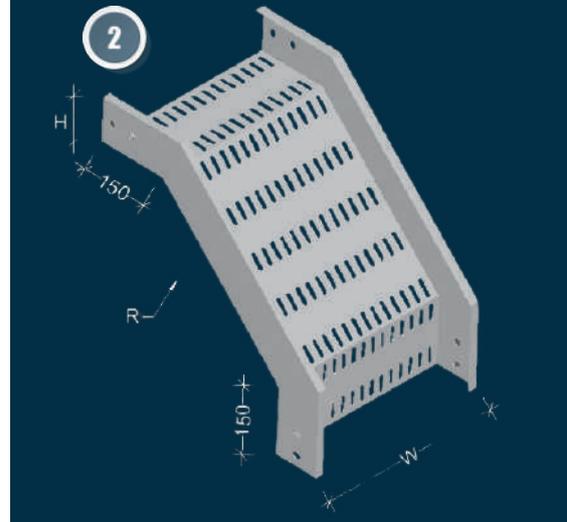
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VERTICAL OUTSIDE RISER STC - RADIUS TYPE			
PART NO	W	H	R
CZI TCOR 300-50-50	50	50	300
CZI TCOR 300-50-100	100	50	300
CZI TCOR 300-50-200	200	50	300
CZI TCOR 300-50-300	300	50	300
CZI TCOR 300-50-400	400	50	300
CZI TCOR 300-50-500	500	50	300
CZI TCOR 300-50-600	600	50	300
CZI TCOR 300-50-800	800	50	300
CZI TCOR 300-100-100	100	100	300
CZI TCOR 300-100-200	200	100	300
CZI TCOR 300-100-300	300	100	300
CZI TCOR 300-100-400	400	100	300
CZI TCOR 300-100-500	500	100	300
CZI TCOR 300-100-600	600	100	300
CZI TCOR 300-100-800	800	100	300



2

VERTICAL OUTSIDE RISER STC - DIAGONAL TYPE			
PART NO	W	H	R
CZI TCOD 300-50-50	50	50	300
CZI TCOD 300-50-100	100	50	300
CZI TCOD 300-50-200	200	50	300
CZI TCOD 300-50-300	300	50	300
CZI TCOD 300-50-400	400	50	300
CZI TCOD 300-50-500	500	50	300
CZI TCOD 300-50-600	600	50	300
CZI TCOD 300-50-800	800	50	300
CZI TCOD 300-100-100	100	100	300
CZI TCOD 300-100-200	200	100	300
CZI TCOD 300-100-300	300	100	300
CZI TCOD 300-100-400	400	100	300
CZI TCOD 300-100-500	500	100	300
CZI TCOD 300-100-600	600	100	300
CZI TCOD 300-100-800	800	100	300



**LEFT HAND REDUCER - STC TYPE**

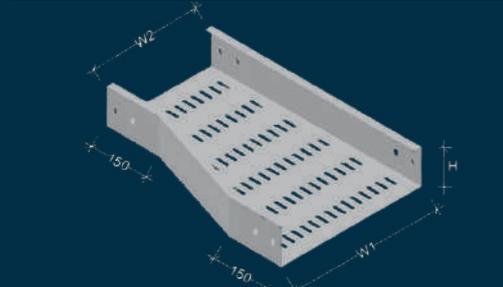
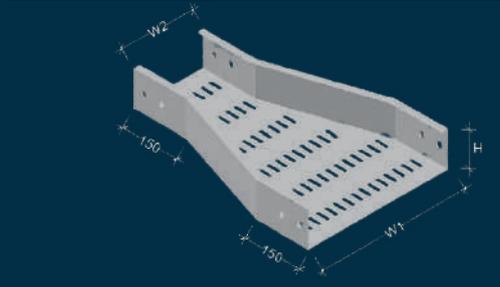
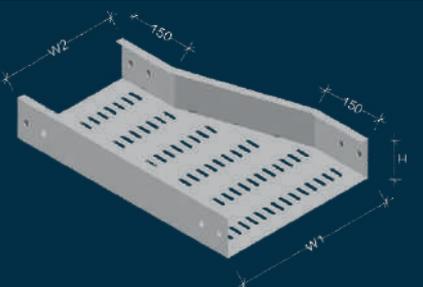
PART NO	W1	W2	H
CZI TCLR 50-100-50	100	50	50
CZI TCLR 50-200-100	200	100	50
CZI TCLR 50-300-200	300	200	50
CZI TCLR 50-400-200	400	200	50
CZI TCLR 50-500-300	500	300	50
CZI TCLR 50-600-300	600	300	50
CZI TCLR 50-600-400	600	400	50
CZI TCLR 50-800-600	800	600	50
CZI TCLR 100-200-100	200	100	100
CZI TCLR 100-300-200	300	200	100
CZI TCLR 100-400-200	400	200	100
CZI TCLR 100-500-300	500	300	100
CZI TCLR 100-600-300	600	300	100
CZI TCLR 100-600-400	600	400	100
CZI TCLR 100-800-600	800	600	100

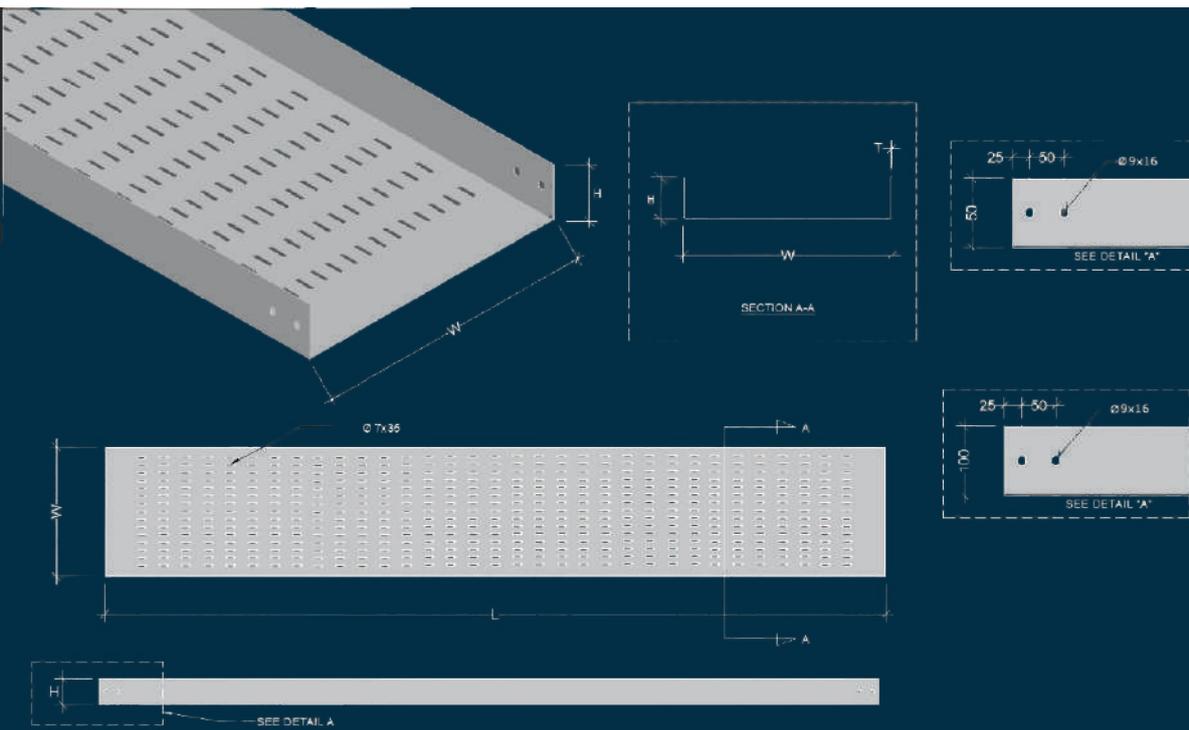
**CENTER HAND REDUCER - STC TYPE**

PART NO	W1	W2	H
CZI TCCR 50-100-50	100	50	50
CZI TCCR 50-200-100	200	100	50
CZI TCCR 50-300-200	300	200	50
CZI TCCR 50-400-200	400	200	50
CZI TCCR 50-500-300	500	300	50
CZI TCCR 50-600-300	600	300	50
CZI TCCR 50-600-400	600	400	50
CZI TCCR 50-800-600	800	600	50
CZI TCCR 100-200-100	200	100	100
CZI TCCR 100-300-200	300	200	100
CZI TCCR 100-400-200	400	200	100
CZI TCCR 100-500-300	500	300	100
CZI TCCR 100-600-300	600	300	100
CZI TCCR 100-600-400	600	400	100
CZI TCCR 100-800-600	800	600	100

**RIGHT HAND REDUCER - STC TYPE**

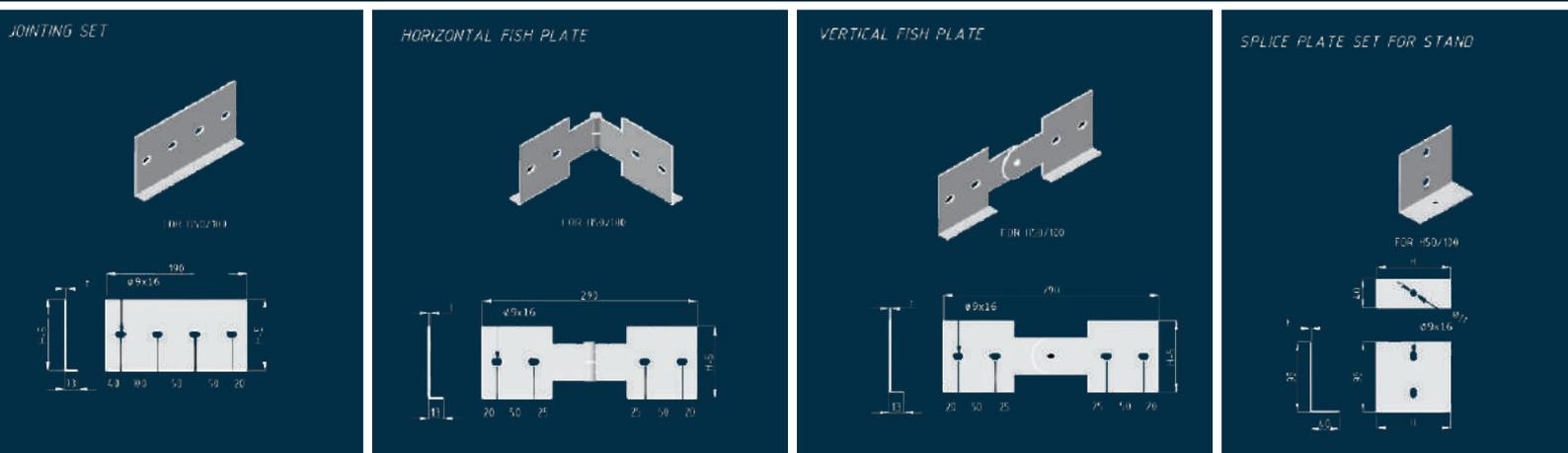
PART NO	W1	W2	H
CZI TCRR 50-100-50	100	50	50
CZI TCRR 50-200-100	200	100	50
CZI TCRR 50-300-200	300	200	50
CZI TCRR 50-400-200	400	200	50
CZI TCRR 50-500-300	500	300	50
CZI TCRR 50-600-300	600	300	50
CZI TCRR 50-600-400	600	400	50
CZI TCRR 50-800-600	800	600	50
CZI TCRR 100-200-100	200	100	100
CZI TCRR 100-300-200	300	200	100
CZI TCRR 100-400-200	400	200	100
CZI TCRR 100-500-300	500	300	100
CZI TCRR 100-600-300	600	300	100
CZI TCRR 100-600-400	600	400	100
CZI TCRR 100-800-600	800	600	100





STRAIGHT TRAY STU TYPE			
PART NO	W	H	L
CZI TUS 3000-50-500	50	50	3000
CZI TUS 3000-50-100	100	50	3000
CZI TUS 3000-50-200	200	50	3000
CZI TUS 3000-50-300	300	50	3000
CZI TUS 3000-50-400	400	50	3000
CZI TUS 3000-50-500	500	50	3000
CZI TUS 3000-50-600	600	50	3000
CZI TUS 3000-50-800	800	50	3000
PART NO	W	H	L
CZI TUS 3000-100-100	100	100	3000
CZI TUS 3000-100-200	200	100	3000
CZI TUS 3000-100-300	300	100	3000
CZI TUS 3000-100-400	400	100	3000
CZI TUS 3000-100-500	500	100	3000
CZI TUS 3000-100-600	600	100	3000
CZI TUS 3000-100-800	800	100	3000

## JOINT SET STU - TYPE



1

HORIZONTAL ELBOW STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUER 300-50-50	50	50	300
CZI TUER 300-50-100	100	50	300
CZI TUER 300-50-200	200	50	300
CZI TUER 300-50-300	300	50	300
CZI TUER 300-50-400	400	50	300
CZI TUER 300-50-500	500	50	300
CZI TUER 300-50-600	600	50	300
CZI TUER 300-50-800	800	50	300
PART NO	W	H	R
CZI TUER 300-100-100	100	100	300
CZI TUER 300-100-200	200	100	300
CZI TUER 300-100-300	300	100	300
CZI TUER 300-100-400	400	100	300
CZI TUER 300-100-500	500	100	300
CZI TUER 300-100-600	600	100	300
CZI TUER 300-100-800	800	100	300

2

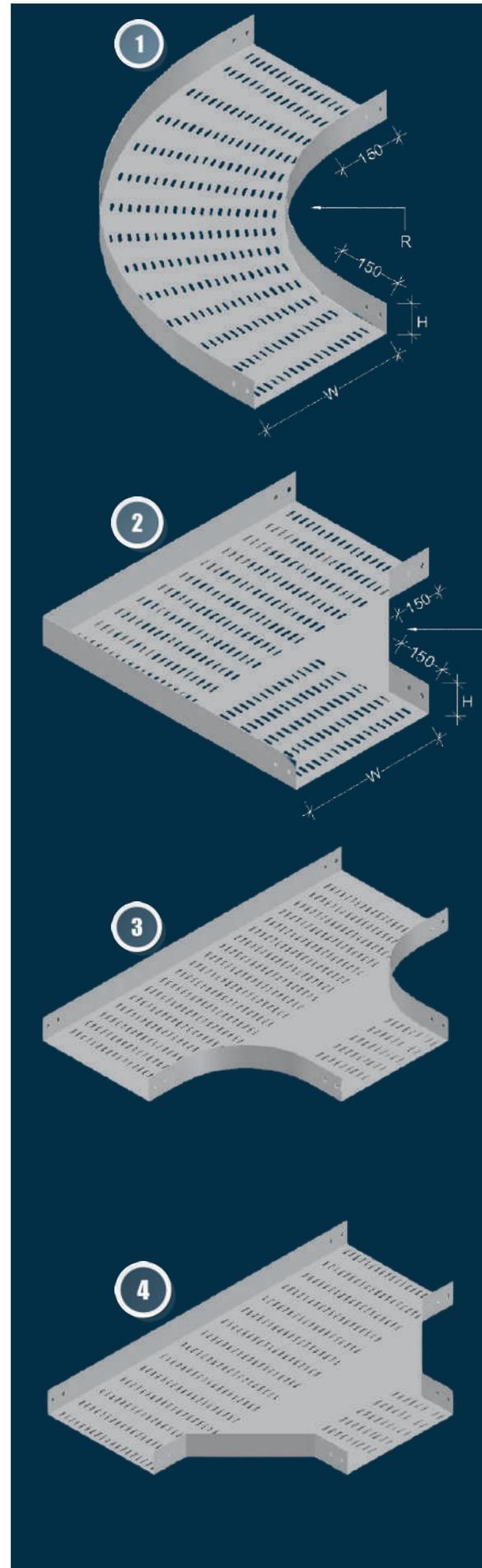
HORIZONTAL ELBOW STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUED 300-50-50	50	50	300
CZI TUED 300-50-100	100	50	300
CZI TUED 300-50-200	200	50	300
CZI TUED 300-50-300	300	50	300
CZI TUED 300-50-400	400	50	300
CZI TUED 300-50-500	500	50	300
CZI TUED 300-50-600	600	50	300
CZI TUED 300-50-800	800	50	300
PART NO	W	H	R
CZI TUED 300-100-100	100	100	300
CZI TUED 300-100-200	200	100	300
CZI TUED 300-100-300	300	100	300
CZI TUED 300-100-400	400	100	300
CZI TUED 300-100-500	500	100	300
CZI TUED 300-100-600	600	100	300
CZI TUED 300-100-800	800	100	300

3

HORIZONTAL TEE STU - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI TUTR 300-50-50	50	50	50	50	300
CZI TUTR 300-50-101	100	100	100	50	300
CZI TUTR 300-50-200	200	200	200	50	300
CZI TUTR 300-50-300	300	300	300	50	300
CZI TUTR 300-50-400	400	400	400	50	300
CZI TUTR 300-50-500	500	500	500	50	300
CZI TUTR 300-50-600	600	600	600	50	300
CZI TUTR 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TUTR 300-100-200	200	200	200	100	300
CZI TUTR 300-100-300	300	300	300	100	300
CZI TUTR 300-100-400	400	400	400	100	300
CZI TUTR 300-100-500	500	500	500	100	300
CZI TUTR 300-100-600	600	600	600	100	300
CZI TUTR 300-100-800	800	800	800	100	300

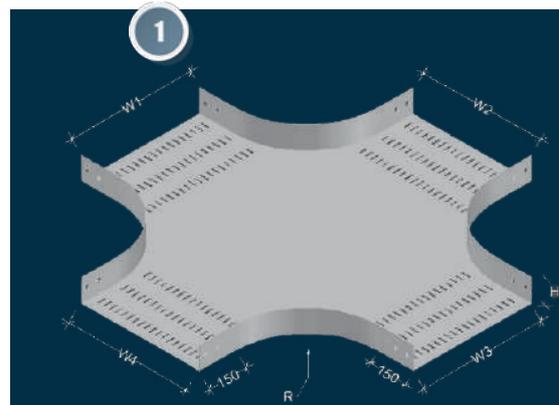
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HORIZONTAL TEE STU - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI TUTD 300-50-50	50	50	50	50	300
CZI TUTD 300-50-101	100	100	100	50	300
CZI TUTD 300-50-200	200	200	200	50	300
CZI TUTD 300-50-300	300	300	300	50	300
CZI TUTD 300-50-400	400	400	400	50	300
CZI TUTD 300-50-500	500	500	500	50	300
CZI TUTD 300-50-600	600	600	600	50	300
CZI TUTD 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TUTD 300-100-200	200	200	200	100	300
CZI TUTD 300-100-300	300	300	300	100	300
CZI TUTD 300-100-400	400	400	400	100	300
CZI TUTD 300-100-500	500	500	500	100	300
CZI TUTD 300-100-600	600	600	600	100	300
CZI TUTD 300-100-800	800	800	800	100	300



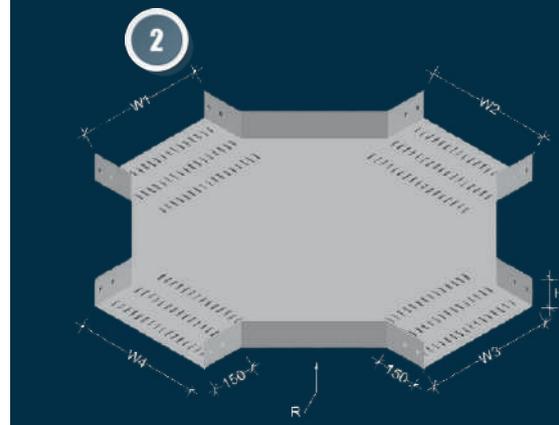
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HORIZONTAL CROSS STU - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TUXR 300-50-50	50	50	50	50	50	300
CZI TUXR 300-50-100	100	100	100	100	50	300
CZI TUXR 300-50-200	200	200	200	200	50	300
CZI TUXR 300-50-300	300	300	300	300	50	300
CZI TUXR 300-50-400	400	400	400	400	50	300
CZI TUXR 300-50-500	500	500	500	500	50	300
CZI TUXR 300-50-600	600	600	600	600	50	300
CZI TUXR 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TUXR 300-100-100	100	100	100	100	100	300
CZI TUXR 300-100-200	200	200	200	200	100	300
CZI TUXR 300-100-300	300	300	300	300	100	300
CZI TUXR 300-100-400	400	400	400	400	100	300
CZI TUXR 300-100-500	500	500	500	500	100	300
CZI TUXR 300-100-600	600	600	600	600	100	300
CZI TUXR 300-100-800	800	800	800	800	100	300



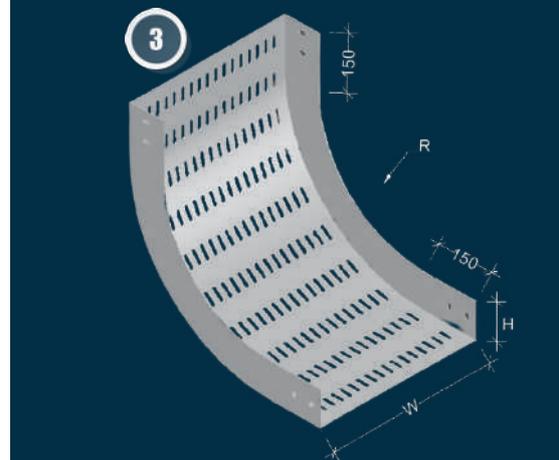
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HORIZONTAL CROSS STU - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TUXD 300-50-50	50	50	50	50	50	300
CZI TUXD 300-50-100	100	100	100	100	50	300
CZI TUXD 300-50-200	200	200	200	200	50	300
CZI TUXD 300-50-300	300	300	300	300	50	300
CZI TUXD 300-50-400	400	400	400	400	50	300
CZI TUXD 300-50-500	500	500	500	500	50	300
CZI TUXD 300-50-600	600	600	600	600	50	300
CZI TUXD 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TUXD 300-100-100	100	100	100	100	100	300
CZI TUXD 300-100-200	200	200	200	200	100	300
CZI TUXD 300-100-300	300	300	300	300	100	300
CZI TUXD 300-100-400	400	400	400	400	100	300
CZI TUXD 300-100-500	500	500	500	500	100	300
CZI TUXD 300-100-600	600	600	600	600	100	300
CZI TUXD 300-100-800	800	800	800	800	100	300



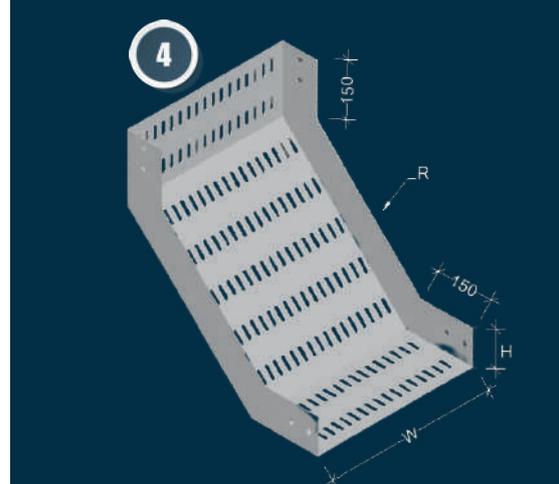
3

VERTICAL INSIDE RISER STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUIR 300-50-50	50	50	300
CZI TUIR 300-50-100	100	50	300
CZI TUIR 300-50-200	200	50	300
CZI TUIR 300-50-300	300	50	300
CZI TUIR 300-50-400	400	50	300
CZI TUIR 300-50-500	500	50	300
CZI TUIR 300-50-600	600	50	300
CZI TUIR 300-50-800	800	50	300
PART NO	W	H	R
CZI TUIR 300-100-100	100	100	300
CZI TUIR 300-100-200	200	100	300
CZI TUIR 300-100-300	300	100	300
CZI TUIR 300-100-400	400	100	300
CZI TUIR 300-100-500	500	100	300
CZI TUIR 300-100-600	600	100	300
CZI TUIR 300-100-800	800	100	300



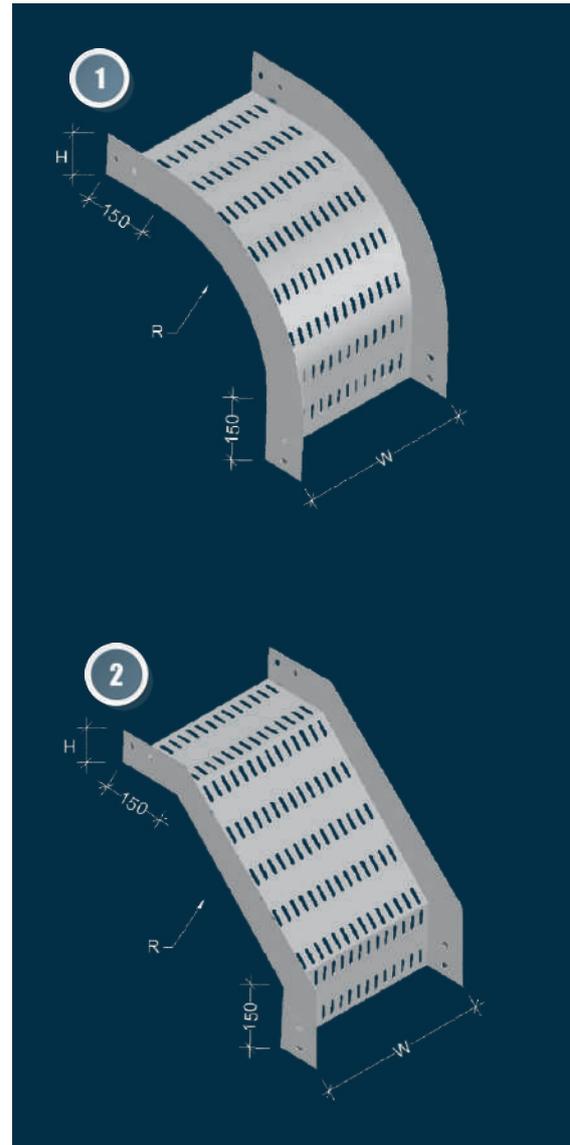
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VERTICAL INSIDE RISER STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUID 300-50-50	50	50	300
CZI TUID 300-50-100	100	50	300
CZI TUID 300-50-200	200	50	300
CZI TUID 300-50-300	300	50	300
CZI TUID 300-50-400	400	50	300
CZI TUID 300-50-500	500	50	300
CZI TUID 300-50-600	600	50	300
CZI TUID 300-50-800	800	50	300
PART NO	W	H	R
CZI TUID 300-100-100	100	100	300
CZI TUID 300-100-200	200	100	300
CZI TUID 300-100-300	300	100	300
CZI TUID 300-100-400	400	100	300
CZI TUID 300-100-500	500	100	300
CZI TUID 300-100-600	600	100	300
CZI TUID 300-100-800	800	100	300



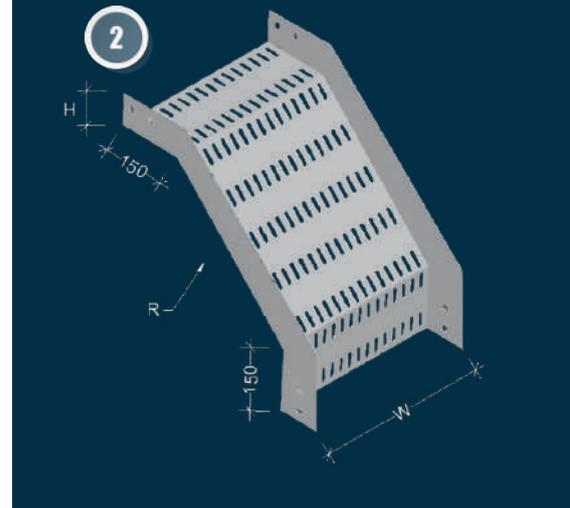
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VERTICAL OUTSIDE RISER STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUOR 300-50-50	50	50	300
CZI TUOR 300-50-100	100	50	300
CZI TUOR 300-50-200	200	50	300
CZI TUOR 300-50-300	300	50	300
CZI TUOR 300-50-400	400	50	300
CZI TUOR 300-50-500	500	50	300
CZI TUOR 300-50-600	600	50	300
CZI TUOR 300-50-800	800	50	300
PART NO	W	H	R
CZI TUOR 300-100-100	100	100	300
CZI TUOR 300-100-200	200	100	300
CZI TUOR 300-100-300	300	100	300
CZI TUOR 300-100-400	400	100	300
CZI TUOR 300-100-500	500	100	300
CZI TUOR 300-100-600	600	100	300
CZI TUOR 300-100-800	800	100	300



2

VERTICAL OUTSIDE RISER STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUOD 300-50-50	50	50	300
CZI TUOD 300-50-100	100	50	300
CZI TUOD 300-50-200	200	50	300
CZI TUOD 300-50-300	300	50	300
CZI TUOD 300-50-400	400	50	300
CZI TUOD 300-50-500	500	50	300
CZI TUOD 300-50-600	600	50	300
CZI TUOD 300-50-800	800	50	300
PART NO	W	H	R
CZI TUOD 300-100-100	100	100	300
CZI TUOD 300-100-200	200	100	300
CZI TUOD 300-100-300	300	100	300
CZI TUOD 300-100-400	400	100	300
CZI TUOD 300-100-500	500	100	300
CZI TUOD 300-100-600	600	100	300
CZI TUOD 300-100-800	800	100	300



### LEFT HAND REDUCER - STU TYPE

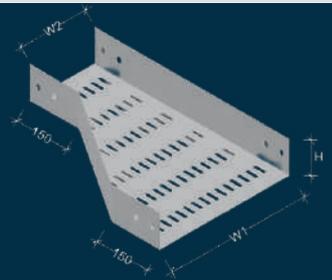
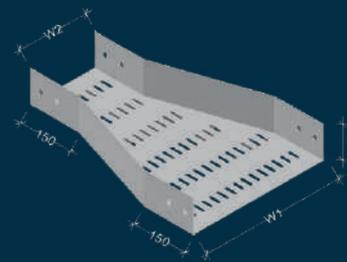
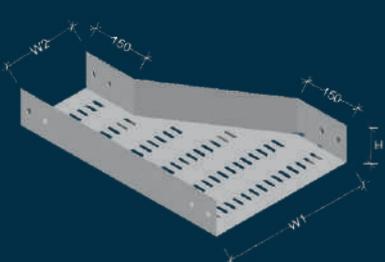
PART NO	W1	W2	H
CZI TULR 50-100-50	100	50	50
CZI TULR 50-200-100	200	100	50
CZI TULR 50-300-200	300	200	50
CZI TULR 50-400-200	400	200	50
CZI TULR 50-500-300	500	300	50
CZI TULR 50-600-300	600	300	50
CZI TULR 50-600-400	600	400	50
CZI TULR 50-800-600	800	600	50
CZI TULR 100-200-100	200	100	100
CZI TULR 100-300-200	300	200	100
CZI TULR 100-400-200	400	200	100
CZI TULR 100-500-300	500	300	100
CZI TULR 100-600-300	600	300	100
CZI TULR 100-600-400	600	400	100
CZI TULR 100-800-600	800	600	100

### CENTER HAND REDUCER - STU TYPE

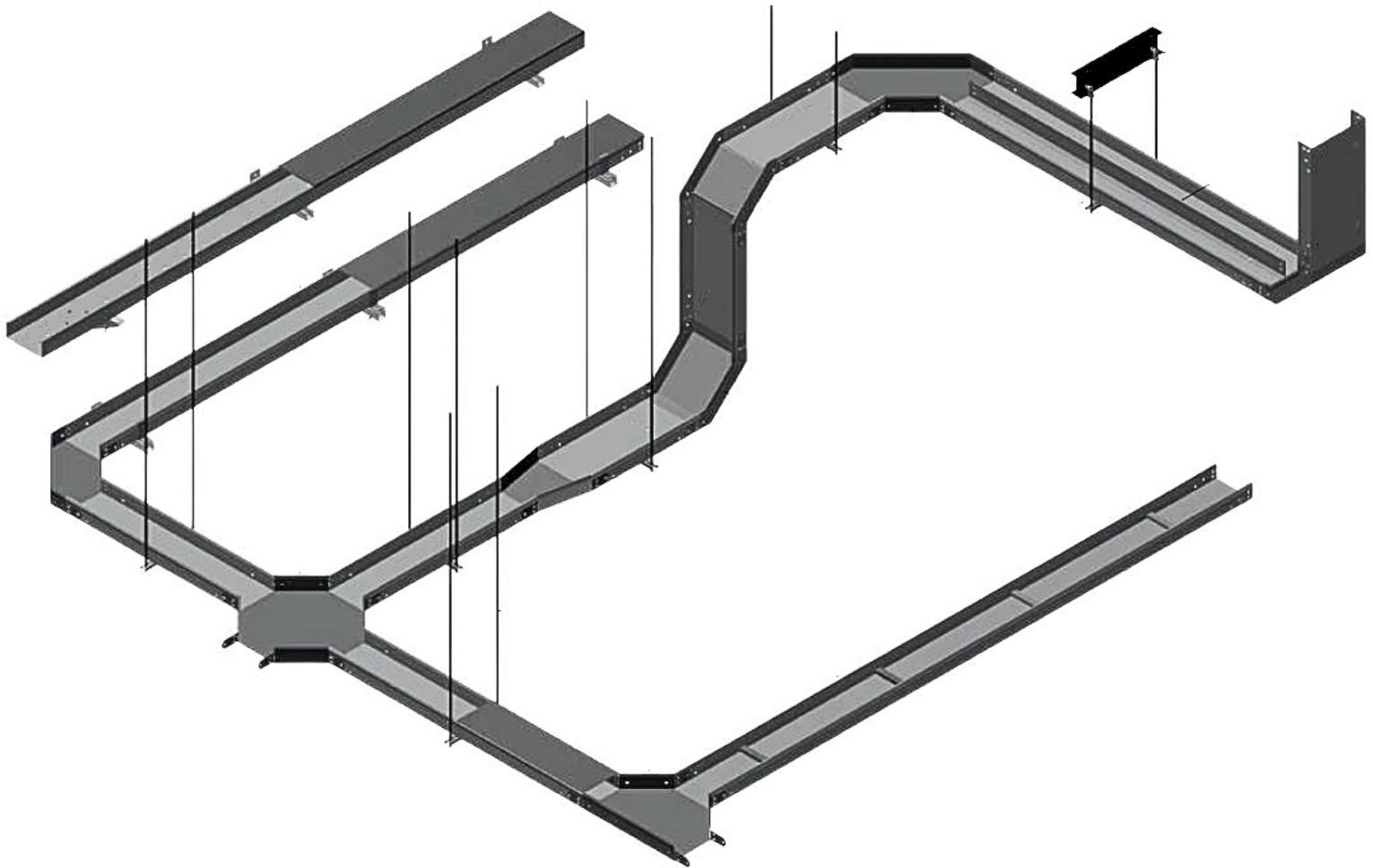
PART NO	W1	W2	H
CZI TUCR 50-100-50	100	50	50
CZI TUCR 50-200-100	200	100	50
CZI TUCR 50-300-200	300	200	50
CZI TUCR 50-400-200	400	200	50
CZI TUCR 50-500-300	500	300	50
CZI TUCR 50-600-300	600	300	50
CZI TUCR 50-600-400	600	400	50
CZI TUCR 50-800-600	800	600	50
CZI TUCR 100-200-100	200	100	100
CZI TUCR 100-300-200	300	200	100
CZI TUCR 100-400-200	400	200	100
CZI TUCR 100-500-300	500	300	100
CZI TUCR 100-600-300	600	300	100
CZI TUCR 100-600-400	600	400	100
CZI TUCR 100-800-600	800	600	100

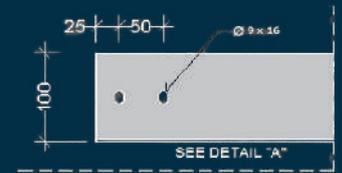
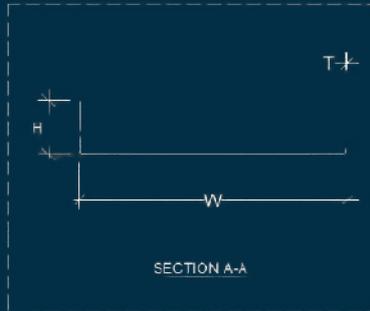
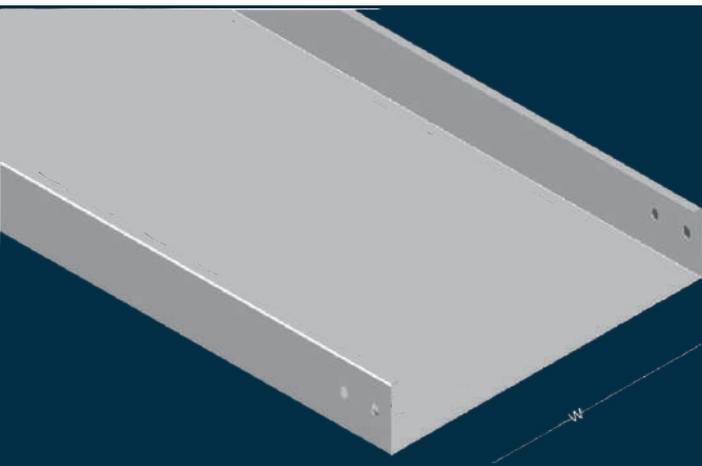
### RIGHT HAND REDUCER - STU TYPE

PART NO	W1	W2	H
CZI TURR 50-100-50	100	50	50
CZI TURR 50-200-100	200	100	50
CZI TURR 50-300-200	300	200	50
CZI TURR 50-400-200	400	200	50
CZI TURR 50-500-300	500	300	50
CZI TURR 50-600-300	600	300	50
CZI TURR 50-600-400	600	400	50
CZI TURR 50-800-600	800	600	50
CZI TURR 100-200-100	200	100	100
CZI TURR 100-300-200	300	200	100
CZI TURR 100-400-200	400	200	100
CZI TURR 100-500-300	500	300	100
CZI TURR 100-600-300	600	300	100
CZI TURR 100-600-400	600	400	100
CZI TURR 100-800-600	800	600	100



## INSTALASI TRUNKING





### STRAIGHT TRUNKING STU TYPE

PART NO	W	H	L
CZI TUS 3000-50-500	50	50	3000
CZI TUS 3000-50-100	100	50	3000
CZI TUS 3000-50-200	200	50	3000
CZI TUS 3000-50-300	300	50	3000
CZI TUS 3000-50-400	400	50	3000
CZI TUS 3000-50-500	500	50	3000
CZI TUS 3000-50-600	600	50	3000
CZI TUS 3000-50-800	800	50	3000
PART NO	W	H	L
CZI TUS 3000-100-100	100	100	3000
CZI TUS 3000-100-200	200	100	3000
CZI TUS 3000-100-300	300	100	3000
CZI TUS 3000-100-400	400	100	3000
CZI TUS 3000-100-500	500	100	3000
CZI TUS 3000-100-600	600	100	3000
CZI TUS 3000-100-800	800	100	3000

1

HORIZONTAL ELBOW TRUNKING STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUER 300-50-50	50	50	300
CZI TUER 300-50-100	100	50	300
CZI TUER 300-50-200	200	50	300
CZI TUER 300-50-300	300	50	300
CZI TUER 300-50-400	400	50	300
CZI TUER 300-50-500	500	50	300
CZI TUER 300-50-600	600	50	300
CZI TUER 300-50-800	800	50	300
PART NO	W	H	R
CZI TUER 300-100-100	100	100	300
CZI TUER 300-100-200	200	100	300
CZI TUER 300-100-300	300	100	300
CZI TUER 300-100-400	400	100	300
CZI TUER 300-100-500	500	100	300
CZI TUER 300-100-600	600	100	300
CZI TUER 300-100-800	800	100	300

2

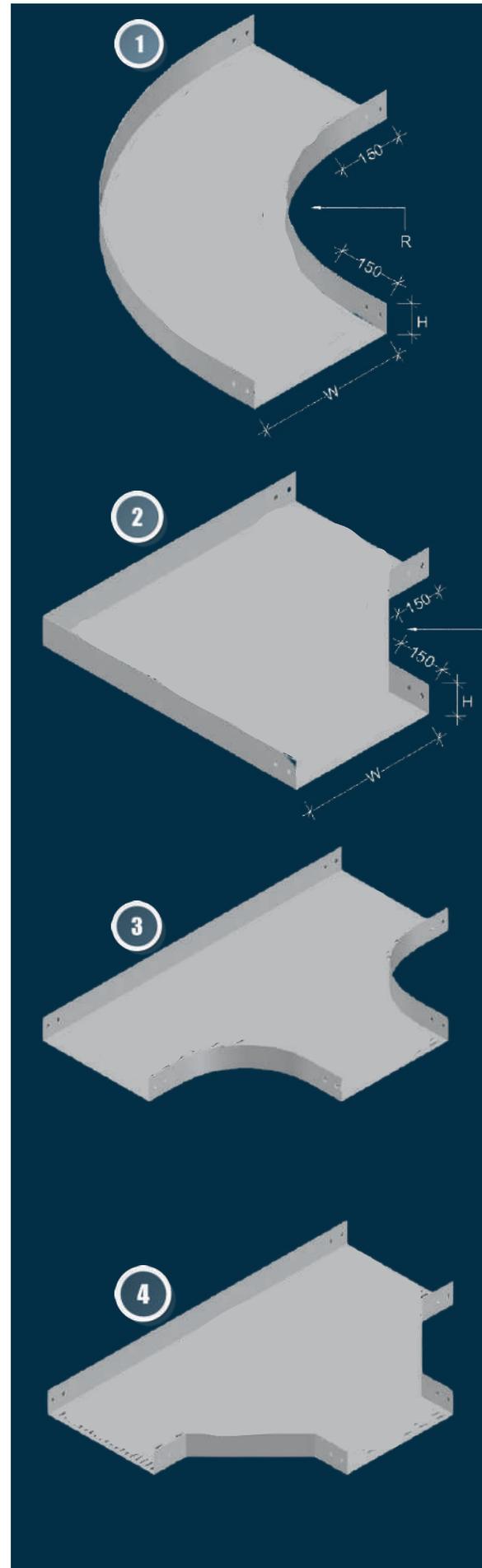
HORIZONTAL ELBOW TRUNKING STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUED 300-50-50	50	50	300
CZI TUED 300-50-100	100	50	300
CZI TUED 300-50-200	200	50	300
CZI TUED 300-50-300	300	50	300
CZI TUED 300-50-400	400	50	300
CZI TUED 300-50-500	500	50	300
CZI TUED 300-50-600	600	50	300
CZI TUED 300-50-800	800	50	300
PART NO	W	H	R
CZI TUED 300-100-100	100	100	300
CZI TUED 300-100-200	200	100	300
CZI TUED 300-100-300	300	100	300
CZI TUED 300-100-400	400	100	300
CZI TUED 300-100-500	500	100	300
CZI TUED 300-100-600	600	100	300
CZI TUED 300-100-800	800	100	300

3

HORIZONTAL TEE TRUNKING STU - RADIUS TYPE					
PART NO	W1	W2	W3	H	R
CZI TUTR 300-50-50	50	50	50	50	300
CZI TUTR 300-50-101	100	100	100	50	300
CZI TUTR 300-50-200	200	200	200	50	300
CZI TUTR 300-50-300	300	300	300	50	300
CZI TUTR 300-50-400	400	400	400	50	300
CZI TUTR 300-50-500	500	500	500	50	300
CZI TUTR 300-50-600	600	600	600	50	300
CZI TUTR 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TUTR 300-100-200	200	200	200	100	300
CZI TUTR 300-100-300	300	300	300	100	300
CZI TUTR 300-100-400	400	400	400	100	300
CZI TUTR 300-100-500	500	500	500	100	300
CZI TUTR 300-100-600	600	600	600	100	300
CZI TUTR 300-100-800	800	800	800	100	300

4

HORIZONTAL TEE TRUNKING STU - DIAGONAL TYPE					
PART NO	W1	W2	W3	H	R
CZI TUTD 300-50-50	50	50	50	50	300
CZI TUTD 300-50-101	100	100	100	50	300
CZI TUTD 300-50-200	200	200	200	50	300
CZI TUTD 300-50-300	300	300	300	50	300
CZI TUTD 300-50-400	400	400	400	50	300
CZI TUTD 300-50-500	500	500	500	50	300
CZI TUTD 300-50-600	600	600	600	50	300
CZI TUTD 300-50-800	800	800	800	50	300
PART NO	W1	W2	W3	H	R
CZI TUTD 300-100-200	200	200	200	100	300
CZI TUTD 300-100-300	300	300	300	100	300
CZI TUTD 300-100-400	400	400	400	100	300
CZI TUTD 300-100-500	500	500	500	100	300
CZI TUTD 300-100-600	600	600	600	100	300
CZI TUTD 300-100-800	800	800	800	100	300



1

HORIZONTAL CROSS TRUNKING STU - RADIUS TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TUXR 300-50-50	50	50	50	50	50	300
CZI TUXR 300-50-100	100	100	100	100	50	300
CZI TUXR 300-50-200	200	200	200	200	50	300
CZI TUXR 300-50-300	300	300	300	300	50	300
CZI TUXR 300-50-400	400	400	400	400	50	300
CZI TUXR 300-50-500	500	500	500	500	50	300
CZI TUXR 300-50-600	600	600	600	600	50	300
CZI TUXR 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TUXR 300-100-100	100	100	100	100	100	300
CZI TUXR 300-100-200	200	200	200	200	100	300
CZI TUXR 300-100-300	300	300	300	300	100	300
CZI TUXR 300-100-400	400	400	400	400	100	300
CZI TUXR 300-100-500	500	500	500	500	100	300
CZI TUXR 300-100-600	600	600	600	600	100	300
CZI TUXR 300-100-800	800	800	800	800	100	300

2

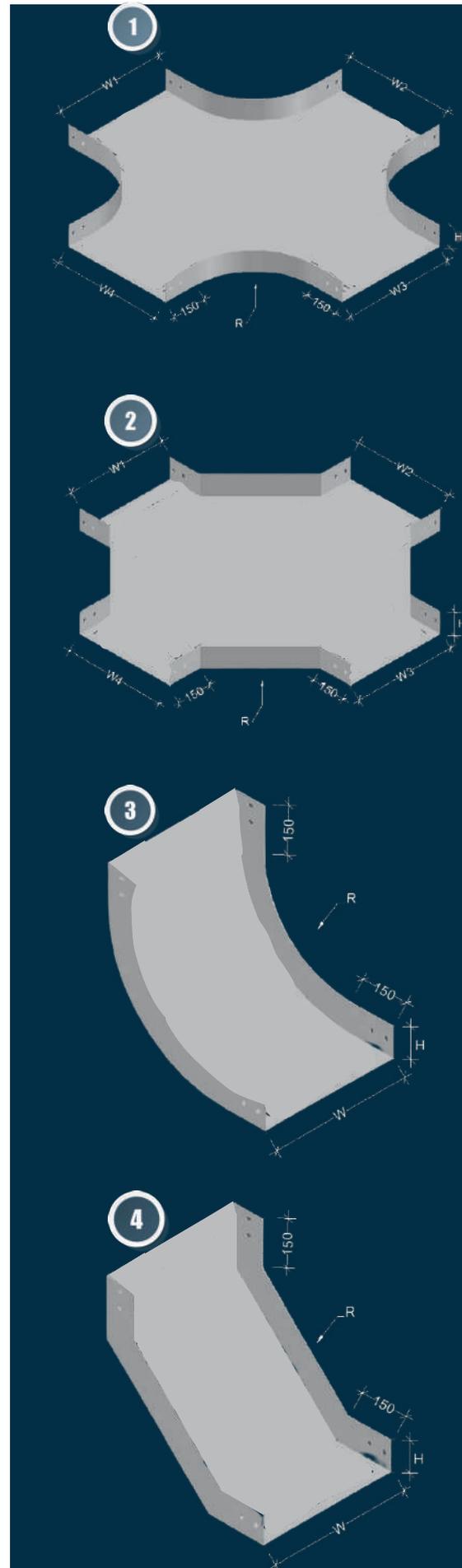
HORIZONTAL CROSS TRUNKING STU - DIAGONAL TYPE						
PART NO	W1	W2	W3	W4	H	R
CZI TUXD 300-50-50	50	50	50	50	50	300
CZI TUXD 300-50-100	100	100	100	100	50	300
CZI TUXD 300-50-200	200	200	200	200	50	300
CZI TUXD 300-50-300	300	300	300	300	50	300
CZI TUXD 300-50-400	400	400	400	400	50	300
CZI TUXD 300-50-500	500	500	500	500	50	300
CZI TUXD 300-50-600	600	600	600	600	50	300
CZI TUXD 300-50-800	800	800	800	800	50	300
PART NO	W1	W2	W3	W4	H	R
CZI TUXD 300-100-100	100	100	100	100	100	300
CZI TUXD 300-100-200	200	200	200	200	100	300
CZI TUXD 300-100-300	300	300	300	300	100	300
CZI TUXD 300-100-400	400	400	400	400	100	300
CZI TUXD 300-100-500	500	500	500	500	100	300
CZI TUXD 300-100-600	600	600	600	600	100	300
CZI TUXD 300-100-800	800	800	800	800	100	300

3

VERTICAL INSIDE RISER TRUNKING STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUIR 300-50-50	50	50	300
CZI TUIR 300-50-100	100	50	300
CZI TUIR 300-50-200	200	50	300
CZI TUIR 300-50-300	300	50	300
CZI TUIR 300-50-400	400	50	300
CZI TUIR 300-50-500	500	50	300
CZI TUIR 300-50-600	600	50	300
CZI TUIR 300-50-800	800	50	300
PART NO	W	H	R
CZI TUIR 300-100-100	100	100	300
CZI TUIR 300-100-200	200	100	300
CZI TUIR 300-100-300	300	100	300
CZI TUIR 300-100-400	400	100	300
CZI TUIR 300-100-500	500	100	300
CZI TUIR 300-100-600	600	100	300
CZI TUIR 300-100-800	800	100	300

4

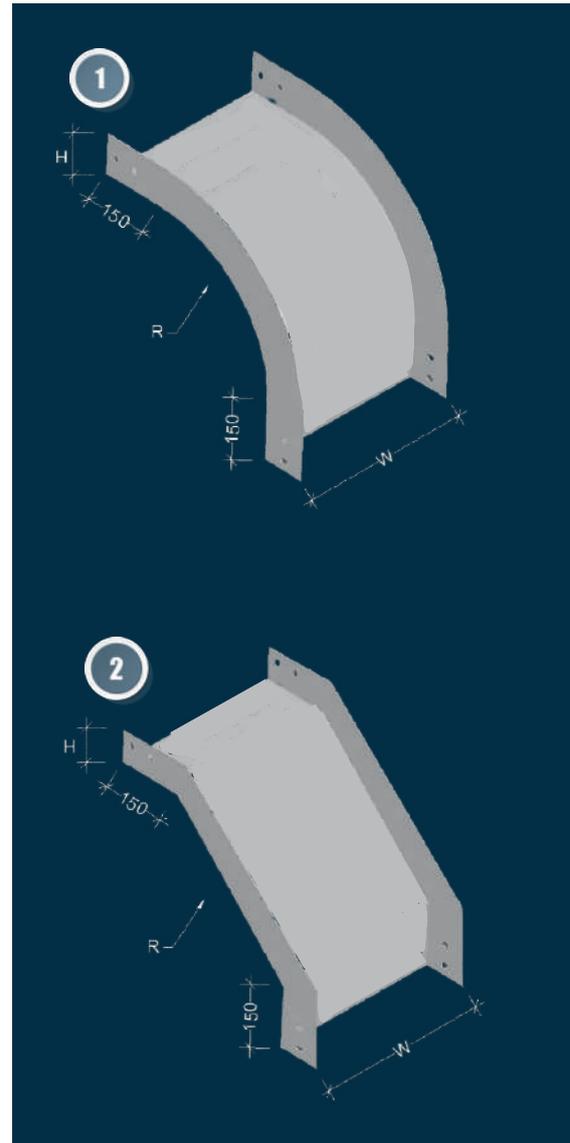
VERTICAL INSIDE RISER TRUNKING STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUID 300-50-50	50	50	300
CZI TUID 300-50-100	100	50	300
CZI TUID 300-50-200	200	50	300
CZI TUID 300-50-300	300	50	300
CZI TUID 300-50-400	400	50	300
CZI TUID 300-50-500	500	50	300
CZI TUID 300-50-600	600	50	300
CZI TUID 300-50-800	800	50	300
PART NO	W	H	R
CZI TUID 300-100-100	100	100	300
CZI TUID 300-100-200	200	100	300
CZI TUID 300-100-300	300	100	300
CZI TUID 300-100-400	400	100	300
CZI TUID 300-100-500	500	100	300
CZI TUID 300-100-600	600	100	300
CZI TUID 300-100-800	800	100	300





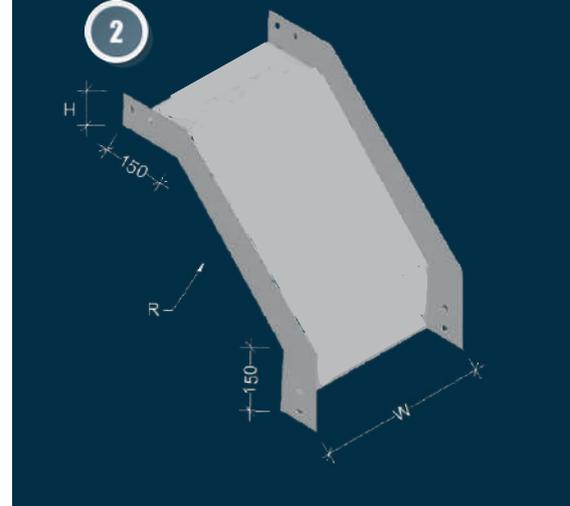
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VERTICAL OUTSIDE RISER TRUNKING STU - RADIUS TYPE			
PART NO	W	H	R
CZI TUOR 300-50-50	50	50	300
CZI TUOR 300-50-100	100	50	300
CZI TUOR 300-50-200	200	50	300
CZI TUOR 300-50-300	300	50	300
CZI TUOR 300-50-400	400	50	300
CZI TUOR 300-50-500	500	50	300
CZI TUOR 300-50-600	600	50	300
CZI TUOR 300-50-800	800	50	300
PART NO	W	H	R
CZI TUOR 300-100-100	100	100	300
CZI TUOR 300-100-200	200	100	300
CZI TUOR 300-100-300	300	100	300
CZI TUOR 300-100-400	400	100	300
CZI TUOR 300-100-500	500	100	300
CZI TUOR 300-100-600	600	100	300
CZI TUOR 300-100-800	800	100	300



2

VERTICAL OUTSIDE RISER TRUNKING STU - DIAGONAL TYPE			
PART NO	W	H	R
CZI TUOD 300-50-50	50	50	300
CZI TUOD 300-50-100	100	50	300
CZI TUOD 300-50-200	200	50	300
CZI TUOD 300-50-300	300	50	300
CZI TUOD 300-50-400	400	50	300
CZI TUOD 300-50-500	500	50	300
CZI TUOD 300-50-600	600	50	300
CZI TUOD 300-50-800	800	50	300
PART NO	W	H	R
CZI TUOD 300-100-100	100	100	300
CZI TUOD 300-100-200	200	100	300
CZI TUOD 300-100-300	300	100	300
CZI TUOD 300-100-400	400	100	300
CZI TUOD 300-100-500	500	100	300
CZI TUOD 300-100-600	600	100	300
CZI TUOD 300-100-800	800	100	300



**LEFT HAND REDUCER TRUNKING STU - TYPE**

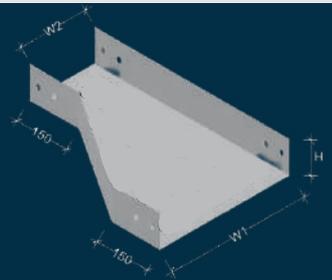
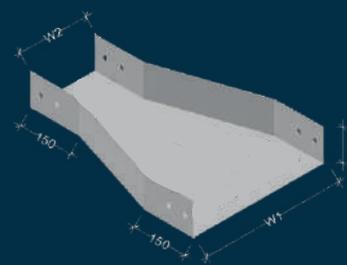
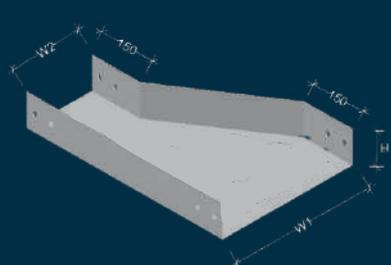
PART NO	W1	W2	H
CZI TULR 50-100-50	100	50	50
CZI TULR 50-200-100	200	100	50
CZI TULR 50-300-200	300	200	50
CZI TULR 50-400-200	400	200	50
CZI TULR 50-500-300	500	300	50
CZI TULR 50-600-300	600	300	50
CZI TULR 50-600-400	600	400	50
CZI TULR 50-800-600	800	600	50
CZI TULR 100-200-100	200	100	100
CZI TULR 100-300-200	300	200	100
CZI TULR 100-400-200	400	200	100
CZI TULR 100-500-300	500	300	100
CZI TULR 100-600-300	600	300	100
CZI TULR 100-600-400	600	400	100
CZI TULR 100-800-600	800	600	100

**CENTER HAND REDUCER TRUNKING STU - TYPE**

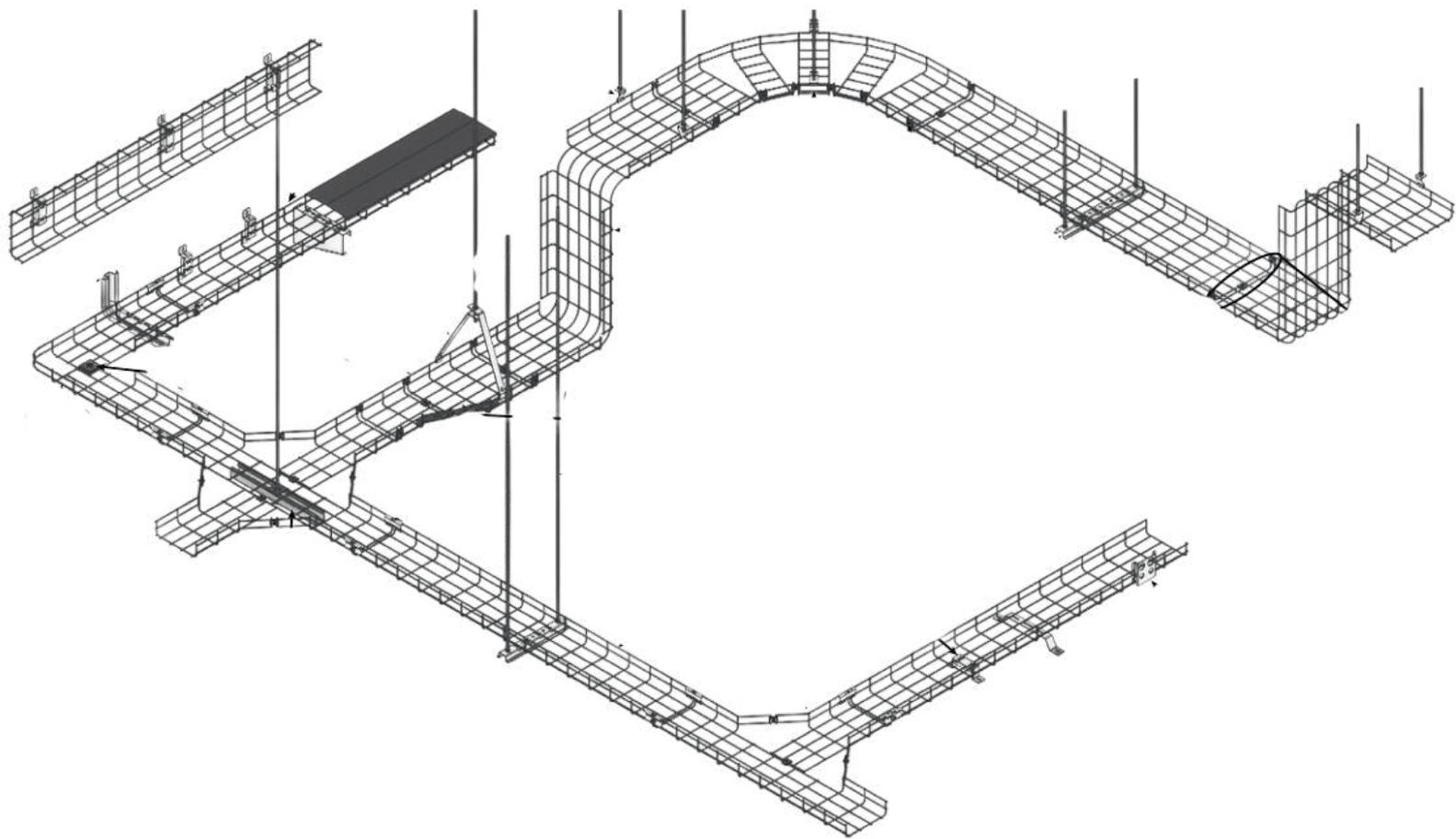
PART NO	W1	W2	H
CZI TUCR 50-100-50	100	50	50
CZI TUCR 50-200-100	200	100	50
CZI TUCR 50-300-200	300	200	50
CZI TUCR 50-400-200	400	200	50
CZI TUCR 50-500-300	500	300	50
CZI TUCR 50-600-300	600	300	50
CZI TUCR 50-600-400	600	400	50
CZI TUCR 50-800-600	800	600	50
CZI TUCR 100-200-100	200	100	100
CZI TUCR 100-300-200	300	200	100
CZI TUCR 100-400-200	400	200	100
CZI TUCR 100-500-300	500	300	100
CZI TUCR 100-600-300	600	300	100
CZI TUCR 100-600-400	600	400	100
CZI TUCR 100-800-600	800	600	100

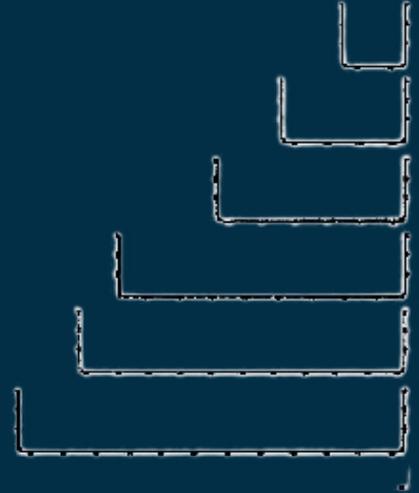
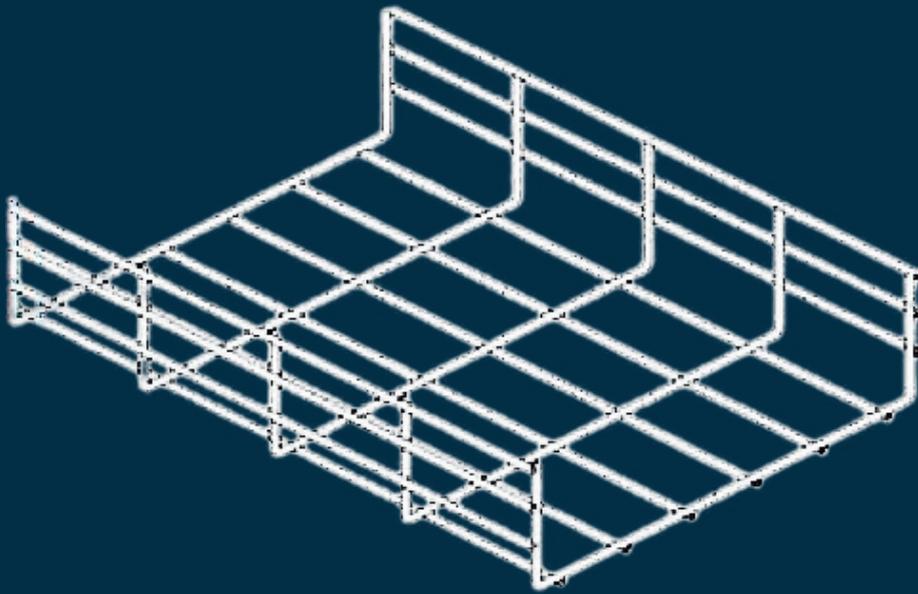
**RIGHT HAND REDUCER TRUNKING STU - TYPE**

PART NO	W1	W2	H
CZI TURR 50-100-50	100	50	50
CZI TURR 50-200-100	200	100	50
CZI TURR 50-300-200	300	200	50
CZI TURR 50-400-200	400	200	50
CZI TURR 50-500-300	500	300	50
CZI TURR 50-600-300	600	300	50
CZI TURR 50-600-400	600	400	50
CZI TURR 50-800-600	800	600	50
CZI TURR 100-200-100	200	100	100
CZI TURR 100-300-200	300	200	100
CZI TURR 100-400-200	400	200	100
CZI TURR 100-500-300	500	300	100
CZI TURR 100-600-300	600	300	100
CZI TURR 100-600-400	600	400	100
CZI TURR 100-800-600	800	600	100

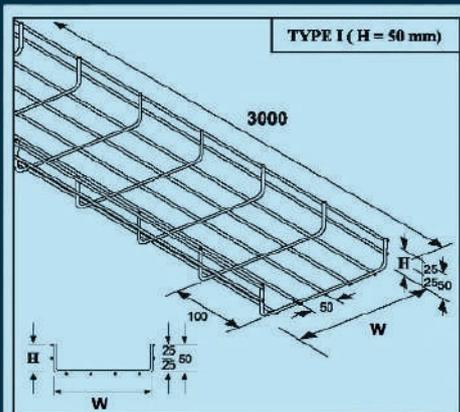


## INSTALASI CAGE WIREMESH



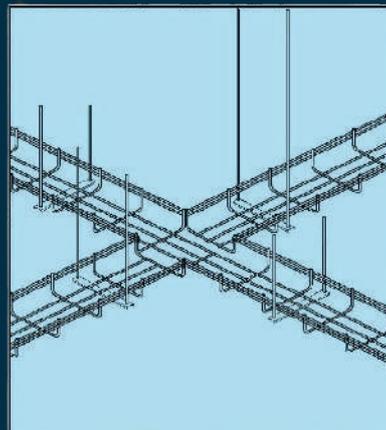
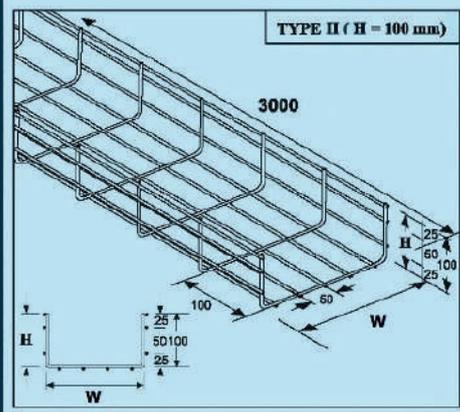


CABLE CAGE WIREMESH - TYPE				
PART NO	W	H	L	FINISHING
CZI - WR	100	50/100	3000	HDG/EP/PC
CZI - WR	150	50/100	3000	HDG/EP/PC
CZI - WR	200	50/100	3000	HDG/EP/PC
CZI - WR	300	50/100	3000	HDG/EP/PC
CZI - WR	400	50/100	3000	HDG/EP/PC
CZI - WR	500	50/100	3000	HDG/EP/PC
CZI - WR	600	50/100	3000	HDG/EP/PC
CZI - WR	800	50/100	3000	HDG/EP/PC



### SPECIFICATION :

- **WIDHT** : 50mm - 800mm
- **LENGTH** : 3000mm
- **HIGH** : 50mm & 100mm
- **DIAMETER** : 5mm
- **FINISHING** : Electro Plating ( EP )  
Hotdip Galvanized ( HDG )  
Powder Coating ( PC )  
Rod SS304
- **MATERIAL** : Wire Rod KS1008



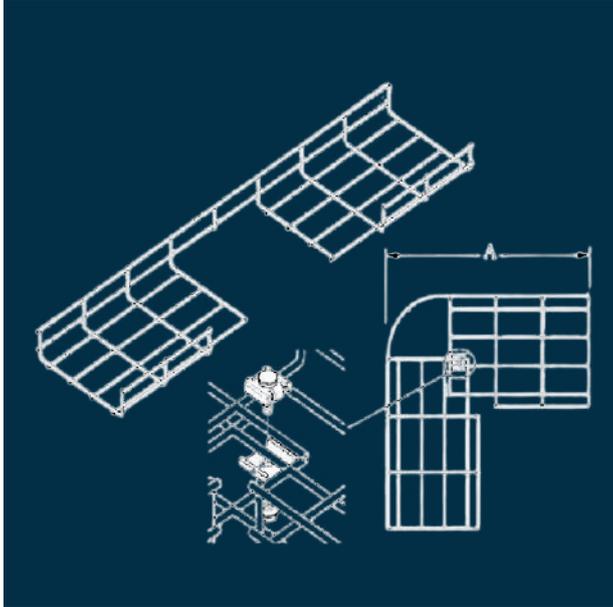
RANGE (TYPE I) H = 50 mm	W (mm)
	100
	150
	200
	300
	400
	500

- Standard  $\varnothing$  Material : 5 mm
- Standard Length : 3000 mm

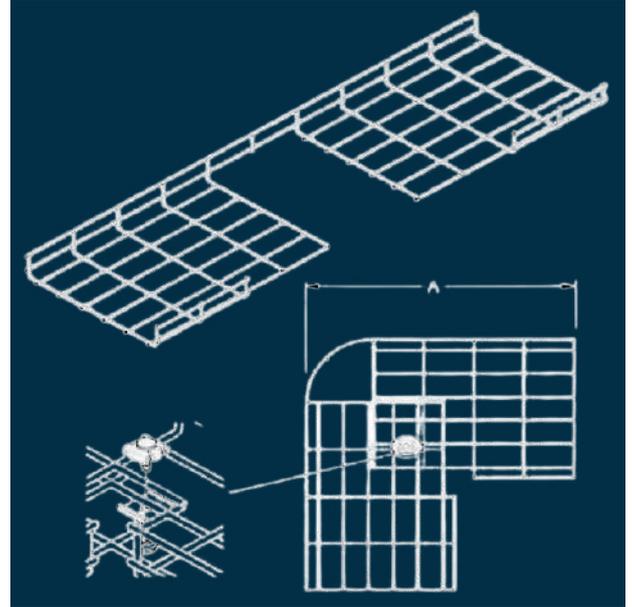
RANGE (TYPE II) H = 100 mm	W (mm)
	100
	150
	200
	300
	400
	500

- Standard  $\varnothing$  Material : 5 mm
- Standard Length : 3000 mm

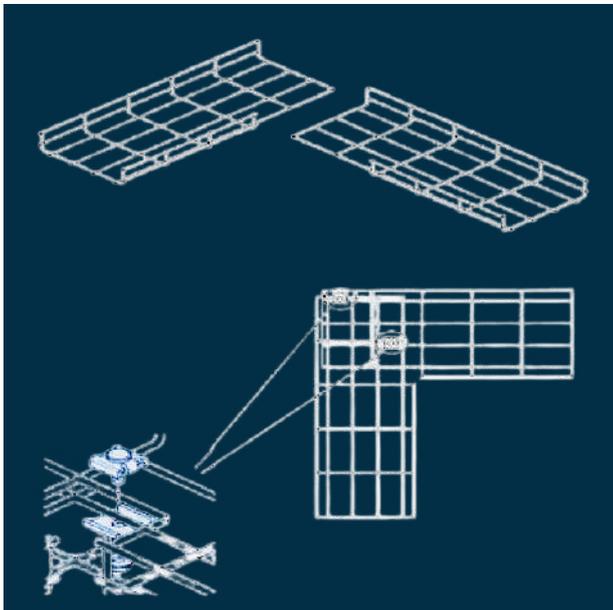
**ELBOW 200**



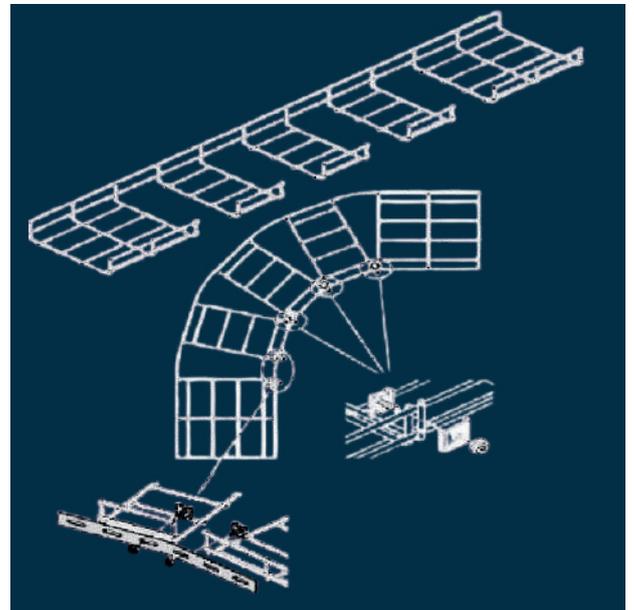
**ELBOW 300**



**ELBOW 2 STRAIGHT**



**ELBOW LONG 90'**



**SPECIFICATION :**

- JOINT WITH U20 & U30
- TIGHTENING WITH U20
- FOR ELBOW LONG JOINT MULTIPURPOSE & 30

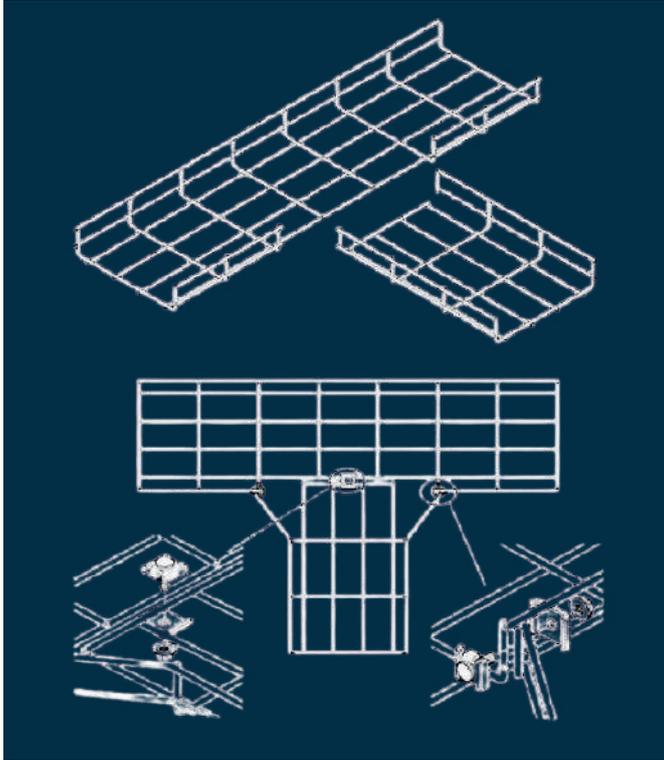
## LOADING MAXIMUM

CABLE CAGE	PART NO	DISTANCE SUPPORT		
		1 METER	1,5 METER	2 METER
W100xH50xL3000	CZI 1053	102,2Kg	61,3Kg	35,8Kg
W150xH50xL3000	CZI 1553	102,2Kg	61,3Kg	35,8Kg
W200xH50xL3000	CZI 2053	107,4Kg	61,3Kg	35,8Kg
W300xH50xL3000	CZI 3053	153,4Kg	95Kg	56,2Kg
W400xH50xL3000	CZI 4053	153,4Kg	95Kg	56,2Kg
W500xH50xL3000	CZI 5053	153,4Kg	102,4Kg	61,3Kg
W600xH50xL3000	CZI 6053	163,6Kg	102,4Kg	61Kg
W200xH100xL3000	CZI 20103	107,4Kg	61,3Kg	35,8Kg
W300xH100xL3000	CZI 30103	153,4Kg	95Kg	56,2Kg
W400xH100xL3000	CZI 40103	153,4Kg	95Kg	56,2Kg
W500xH100xL3000	CZI 50103	153,4Kg	102,4Kg	61,3Kg
W600xH100xL3000	CZI 60103	163,6Kg	102,4Kg	61Kg

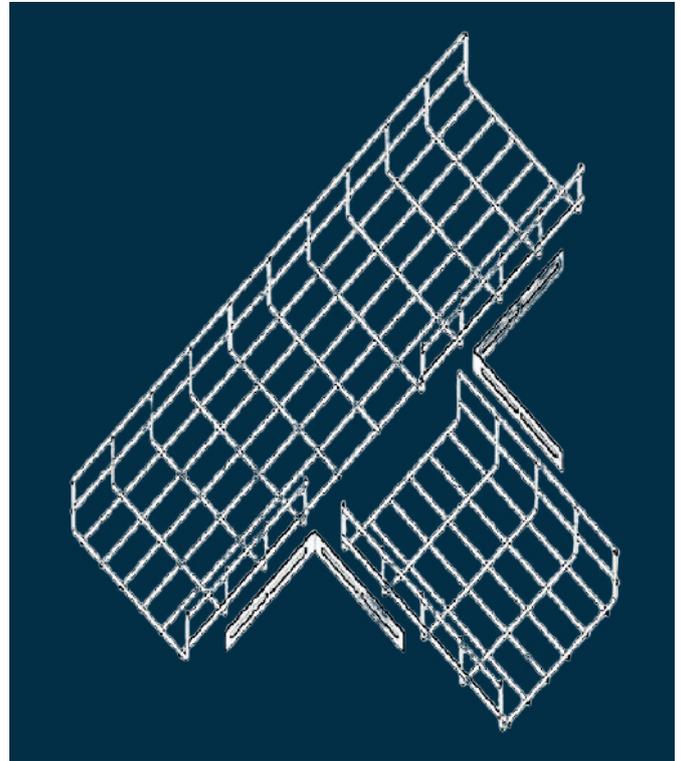
### Superiority Cable Cage

1. The price is cheaper than using tray system steel plate
2. Quick and easy assembly
3. Wispy and strong
4. Cables can be issued in accordance with the wishes
5. Easy in making Tee, Elbow, Cross and Offset
6. The system installation is very easy and wil not break even with many heavy loads

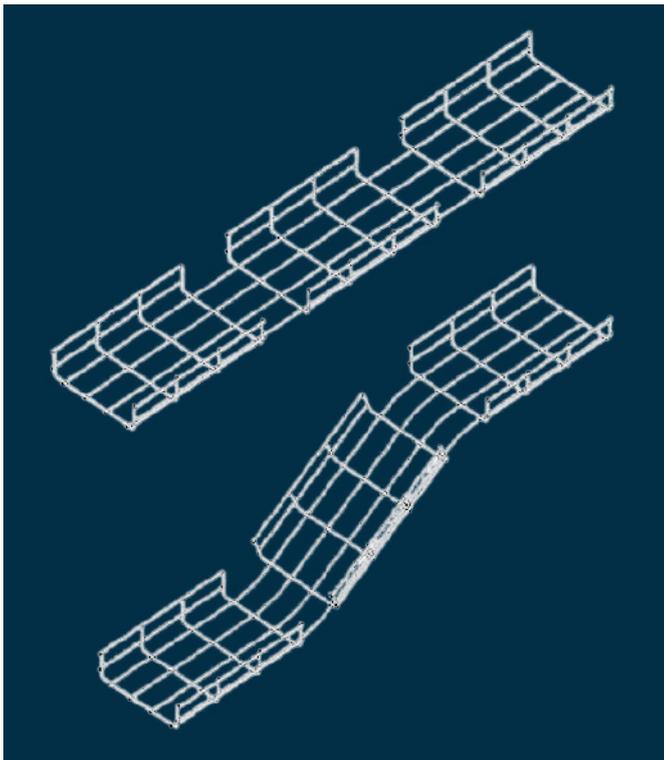
## TEE WITH JOINT



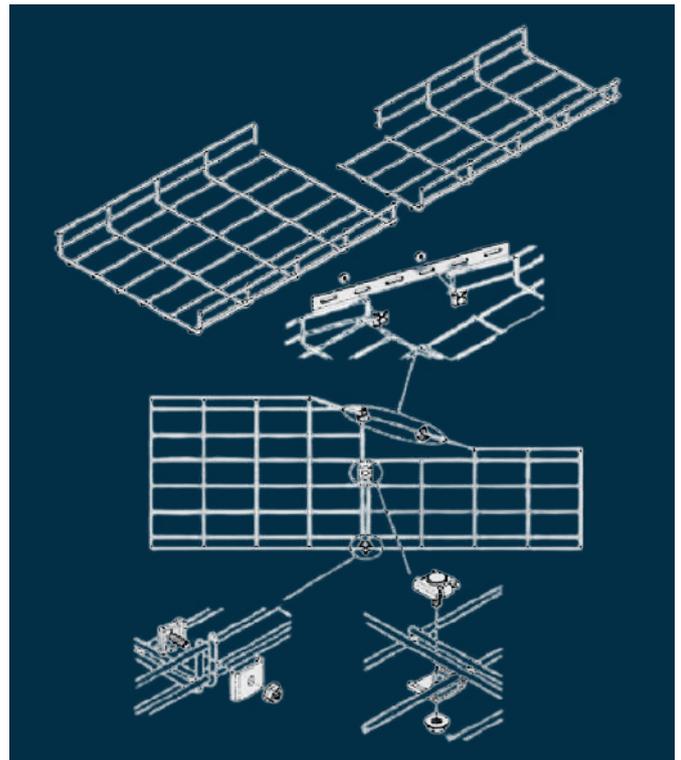
## TEE WITH SUPPORT



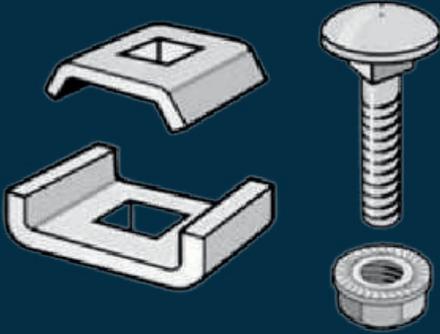
## INSIDE RISER



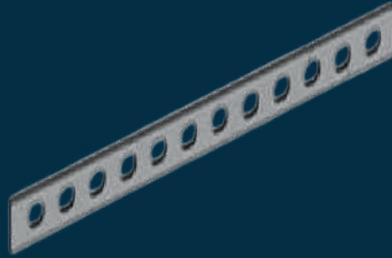
## REDUCER



**JOINT CLIP U20 + U30**



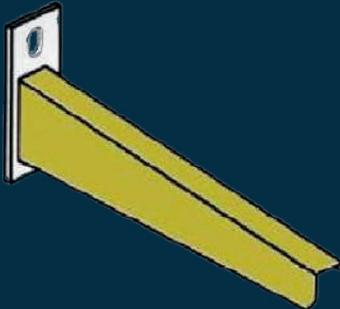
**VERSATILE JOINT**



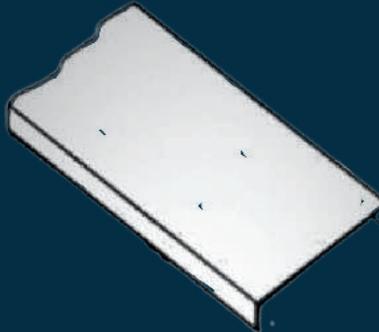
**AS ROD M8**



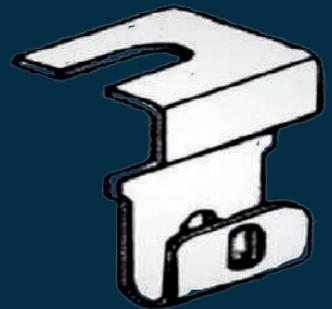
**BRACKET SUPPORT**



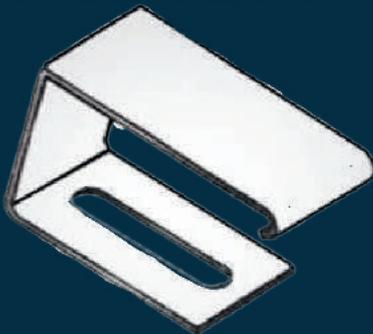
**COVER**



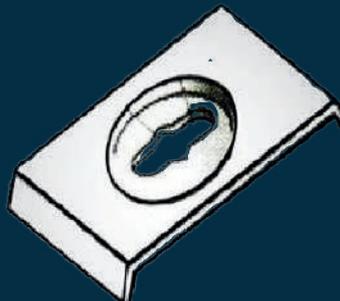
**HANGER FASTENER**



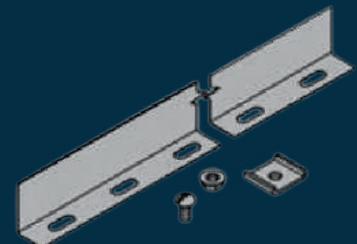
**CLU LAMP HANDLE**



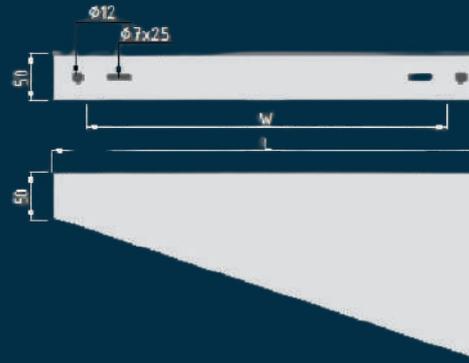
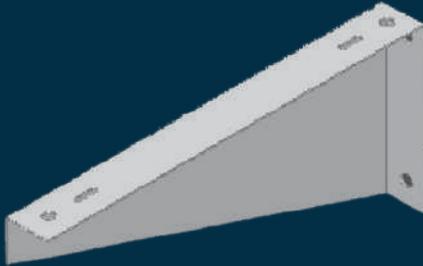
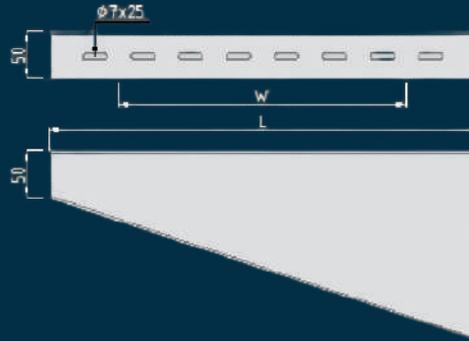
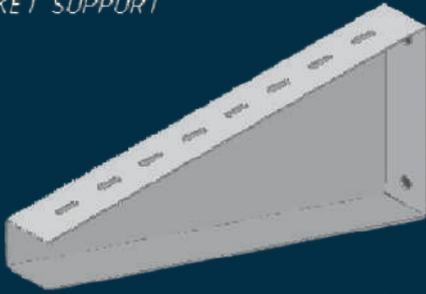
**CLAMP U40**



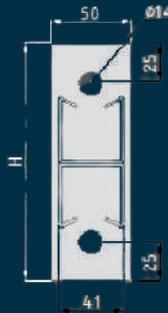
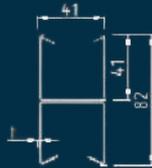
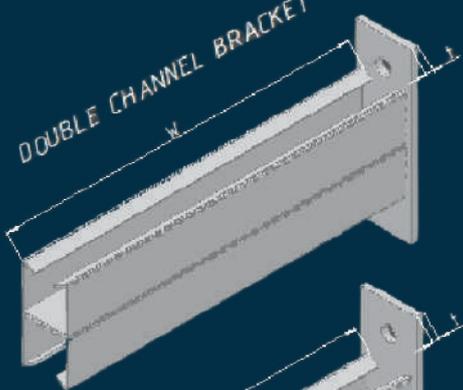
**SEPARATOR**



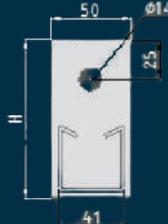
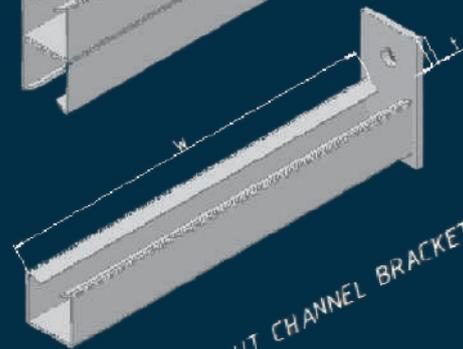
## BRACKET SUPPORT



## DOUBLE CHANNEL BRACKET



## MEDIUM DUTY STRUT CHANNEL BRACKET

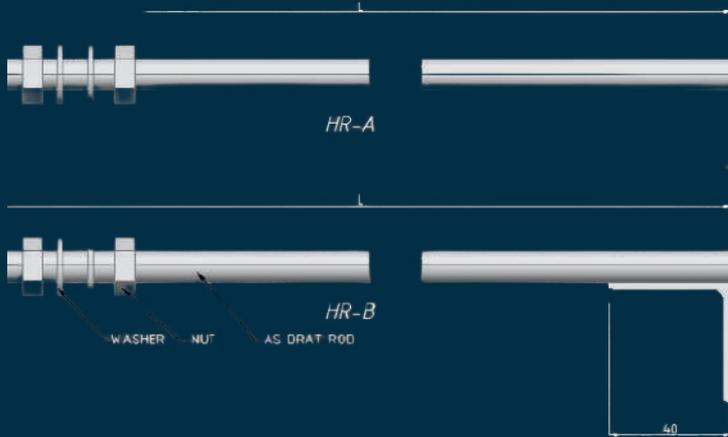


BRACKET SUPPORT			
PART NO	W	L	H
CZI BS 100	100	150	150
CZI BS 200	200	250	150
CZI BS 300	300	350	150
CZI BS 400	400	450	200
CZI BS 500	500	550	200
CZI BS 600	600	650	200
CZI BS 800	800	850	200
CZI BS 1000	1000	1050	200

DOUBLE CHANNEL BRACKET			
PART NO	W	L	H
CZI DC 150	150	300	150
CZI DC 200	200	300	150
CZI DC 300	300	450	150
CZI DC 450	450	600	150
CZI DC 600	600	750	150

MEDIUM DUTY STRUT CHANNEL BRACKET			
PART NO	W	L	H
CZI MDSC 150	150	300	100
CZI MDSC 200	200	300	100
CZI MDSC 300	300	450	100
CZI MDSC 450	450	600	100
CZI MDSC 600	600	750	100

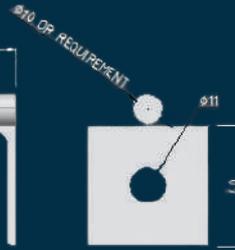
HANGER ROD



BOLT CB 5/8 x 3/4 INCH, NUT & WASHER



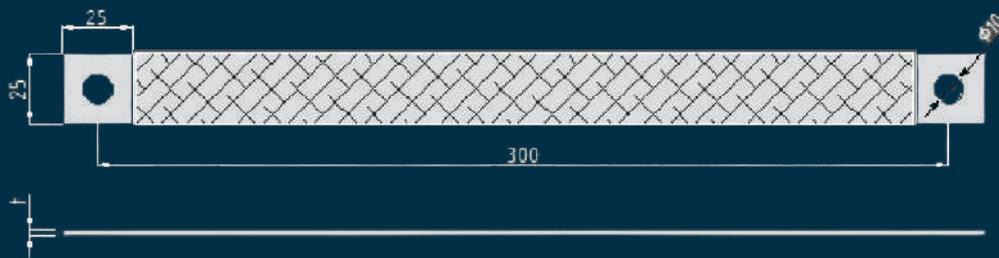
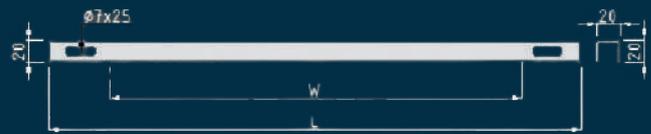
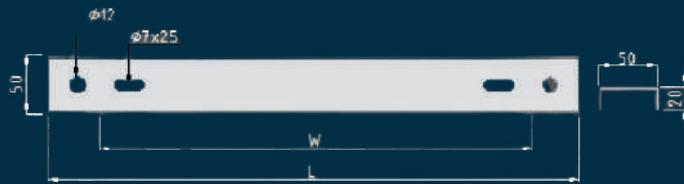
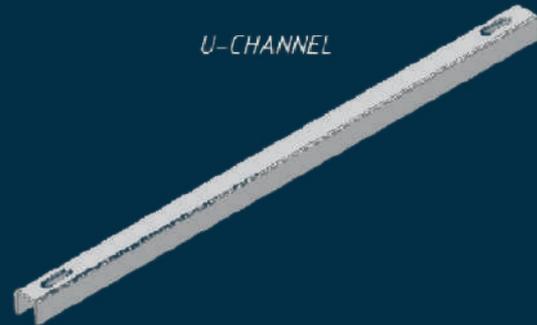
BOLT M6 x 20, NUT & WASHER



HANGER BEAM

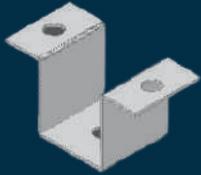


U-CHANNEL

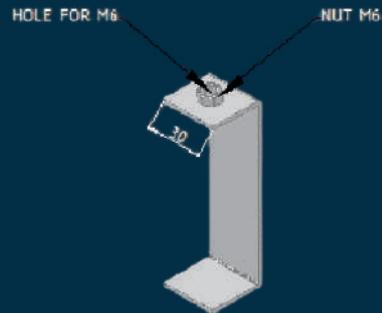
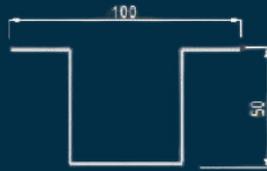


BONDING JUMPER

**HANGER CLEVIS SIMULATION**



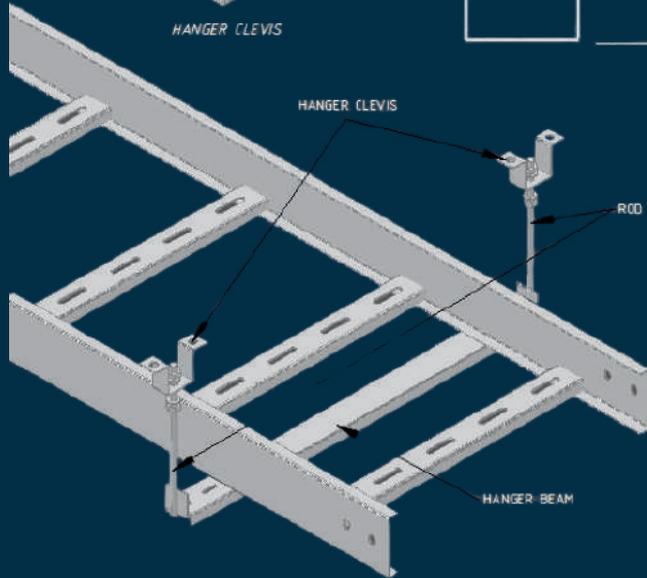
HANGER CLEVIS



COVER CLAMP FOR HEAVY DUTY



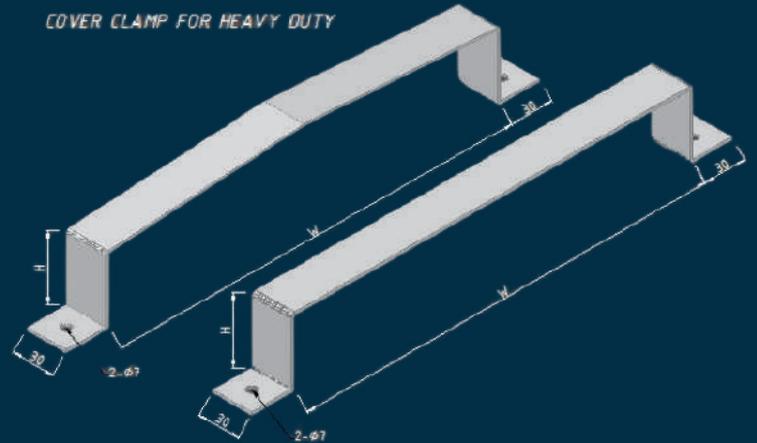
COVER CLAMP FOR HEAVY DUTY



HANGER CLEVIS

ROD

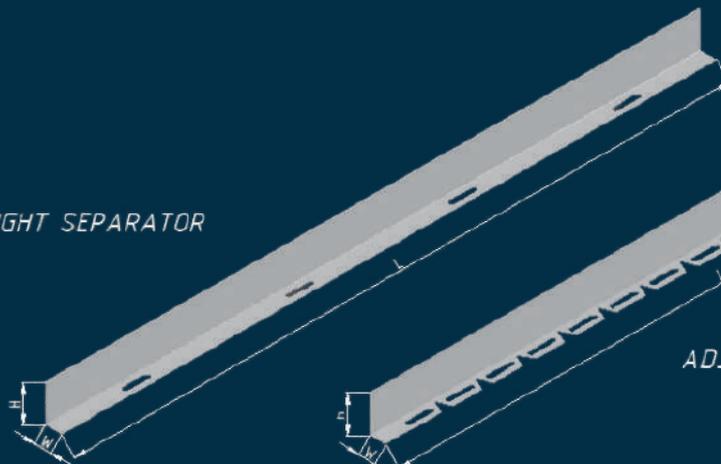
HANGER BEAM



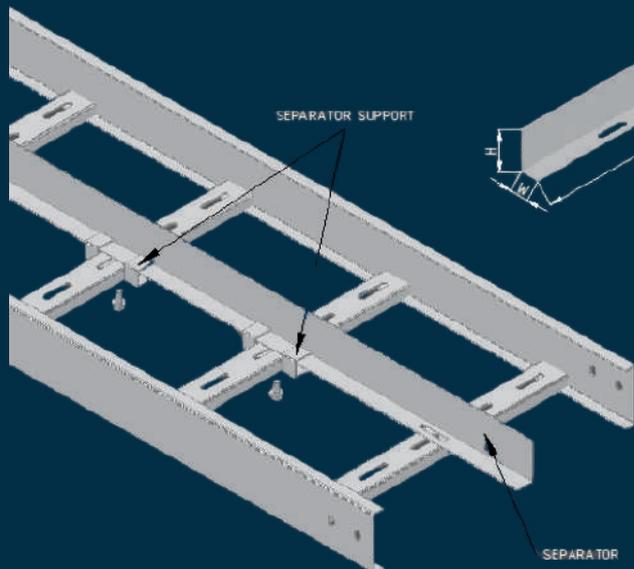
COVER CLAMP FOR SLU,SLW,STC,STU-TYPE

**SEPARATOR SUPPORT SIMULATION**

STRAIGHT SEPARATOR

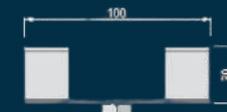


ADJUSTABLE SEPARATOR



SEPARATOR SUPPORT

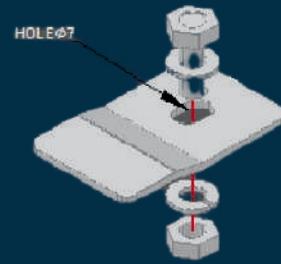
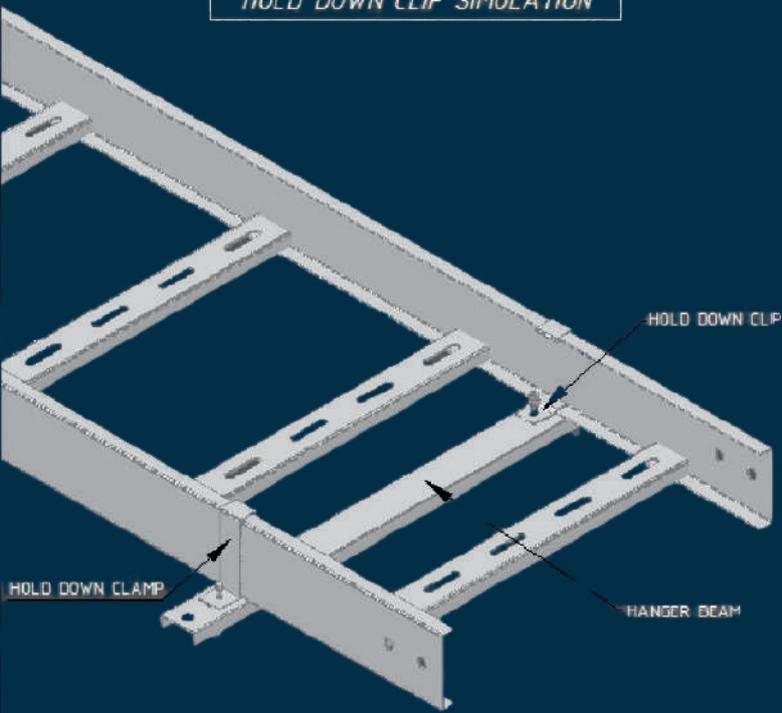
SEPARATOR



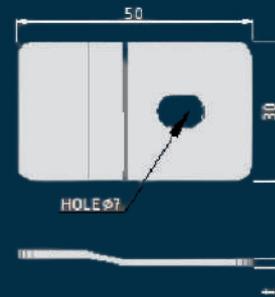
SEPARATOR SUPPORT

STRAIGHT SPARATOR			
PART NO	W	L	H
CZI SS 30x3000	30	3000	Depth
ADJUSTABLE SPARATOR			
PART NO	W	L	H2
CZI AS 30x3000	30	3000	Depth

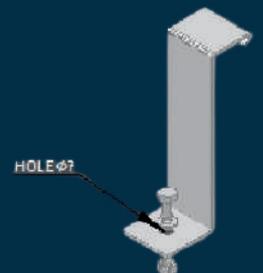
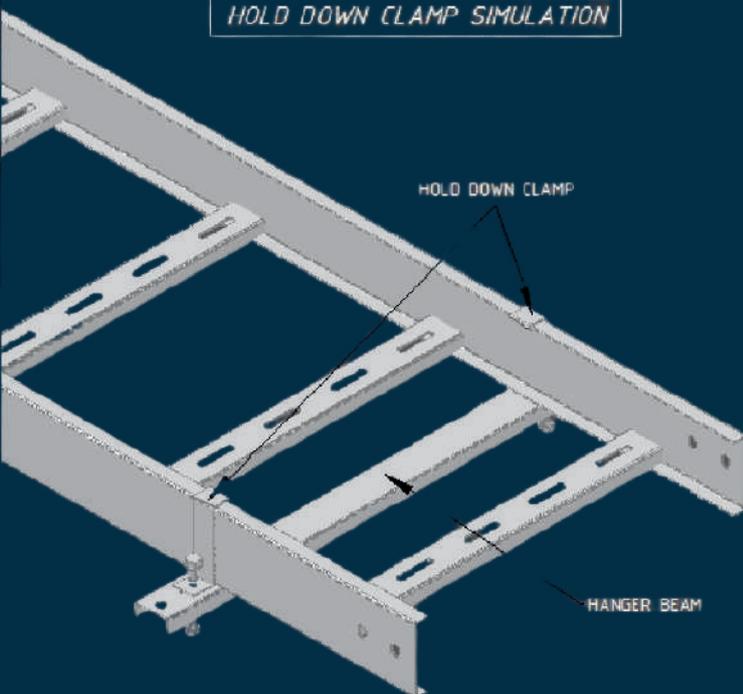
*HOLD DOWN CLIP SIMULATION*



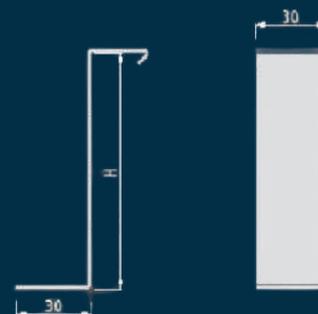
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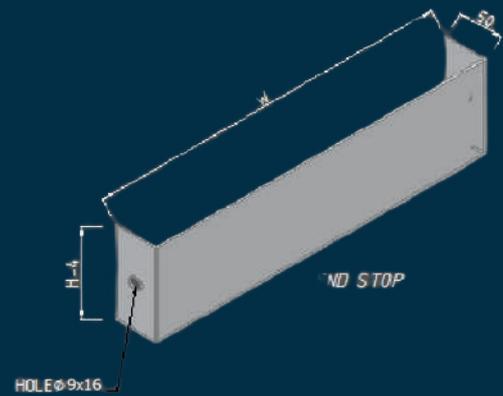
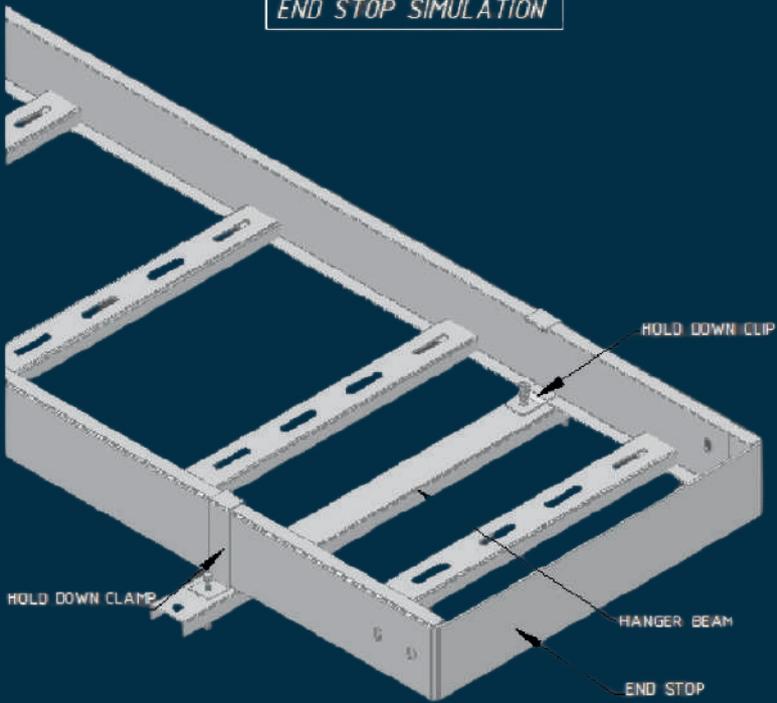
*HOLD DOWN CLAMP SIMULATION*



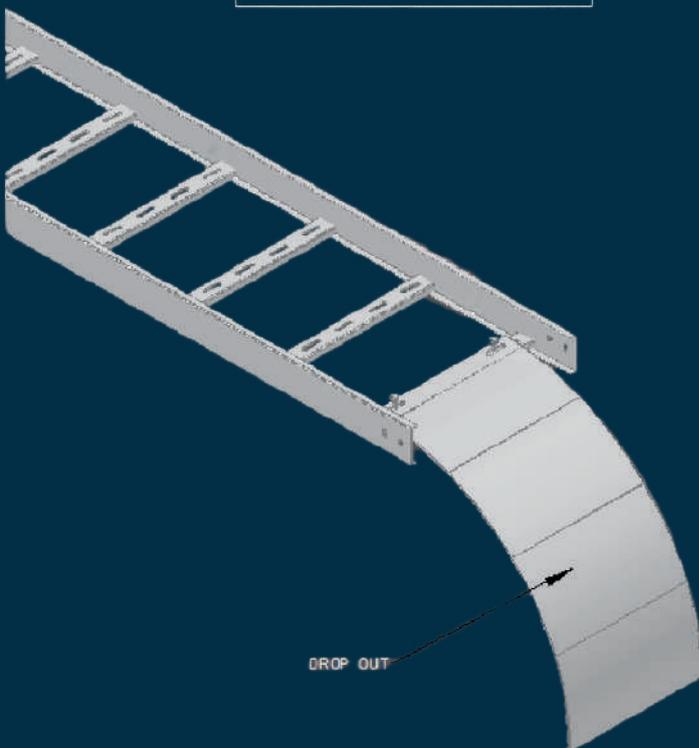
*HOLD DOWN CLAMP*



## END STOP SIMULATION

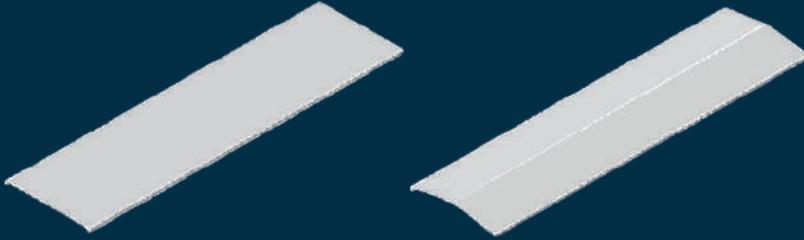


## DROP OUT SIMULATION





*STRAIGHT COVER*



*ELBOW COVER*



*TEE COVER*



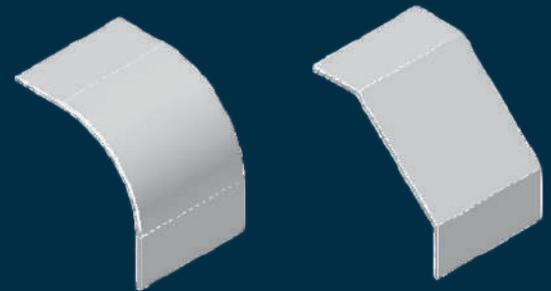
*CROSS COVER*



*INSIDE RISER COVER*



*INSIDE RISER COVER*



*REDUCER COVER*





# CINWA

PT. CINWA ZAF A INDONESIA



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