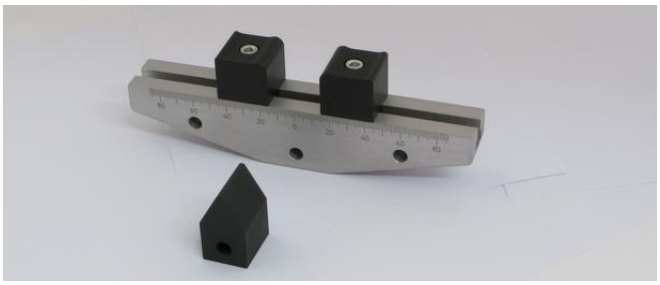
Flexural 3 Point & 4 Point Bend

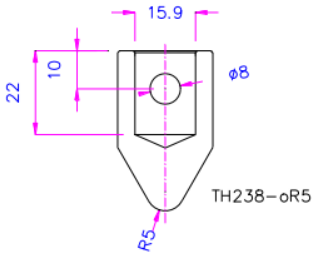
TA238

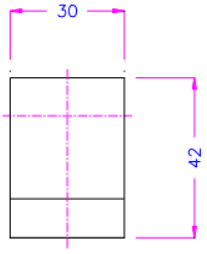
TA238 Flexural Fixture – 3 point bend & 4 point bend

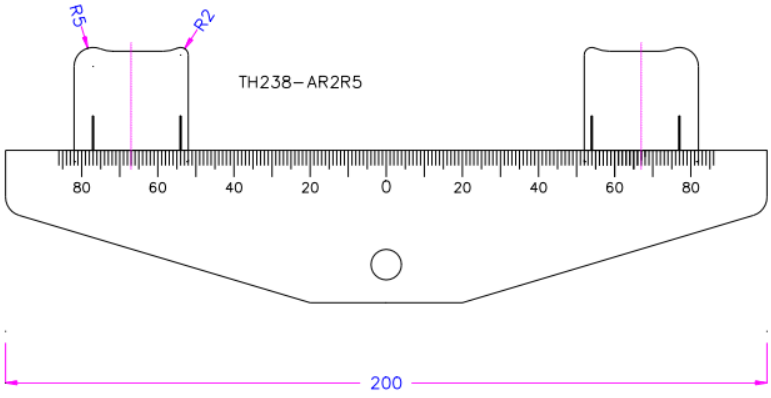
- 2.5 kN (550 lb) and 10 kN (2250 lb)
- Aluminium or Steel
- Base Width - 30 mm (1.4 in)
- Minimum Span - 4 mm (0.16 in)
- Base Options - 150 mm (6 in) and 300 mm (12 in)
- Roller (length made to customer specifications)
  1, 2, 3, 4, 5, 6, 6.35, 8, 10, 12, 12.7 mm
- Ideal for composites, plastics, sheeted metal, medical products, electronics and other materials

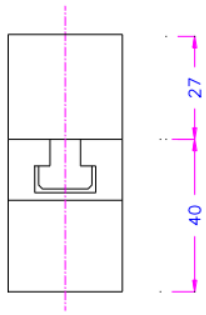






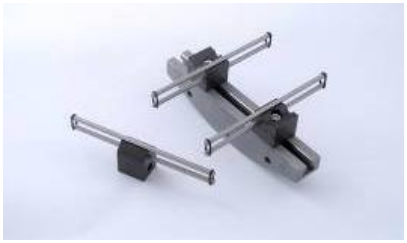






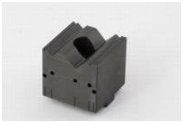
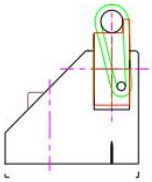
Flexural 3 Point & 4 Point Bend

TA238

TA238+CW+CWE R2-VS6	Movable support 6 mm moved from center Radius 2 mm	
TA238-4p+AX+CX+8x30 +5x30	4-point bending fixture with exchangeable rollers Bars 200 mm Upper support Type CX Lower supports Type AX	
TA238+Cx+oX +D8x30	3-point bending fixture with exchangeable rollers Bar 200 mm Upper support Type oX Lower supports Type cX	
TA238-AXD6x100	4-point bending fixture with exchangeable rollers Bars 200 mm Rollers: Ø 6 x 100 mm	
TA238-300-B300+CW+CWX+D4x30	4-point bending fixture with exchangeable rollers Bars 300 mm Movable carrier Rollers: Ø 4 mm Upper/lower part: 3.0 kg each	

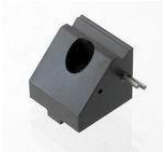
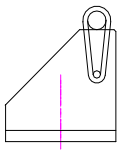
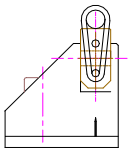
Flexural 3 Point & 4 Point Bend

TA238

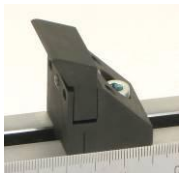
Number	Bars		
TA238-B200	Lower bar, aluminium, anodized, 200 mm ,5 kN Possible span distances 0-144 mm, 0- 150 mm, 0-196 mm. Weight 0.4 kg.	1x	
TA238-B200-St	Lower bar, steel, nickel-plated, 200 mm, 10 kN Possible span distances 0-144 mm, 0- 150 mm, 0-196 mm. Weight 1.2 kg.	1x	
TA238-B300-St	Lower bar steel, 300 mm, 2.6 kg	1x	
TA238-B350-St	Lower bar steel, 350 mm, 2.8 kg	1x	
TA238-B400-St	Lower bar steel, 400 mm, 3.2 kg	1x	
Number	**Supports**		
TA238-AR	Supports with 2 milled radii Hardened steel Available R1.5+R2.5; R2+R3; R2+R5; R3.2+R5; R4+R5 mm 0.2 kg	2x	
TA238-CR	Supports with 1 milled radius R: 0.5; 1; 1.5; 2; 2.5; 3.2; 5 mm 0.1 - 0.8 kg	2x	
TA238-CrHx	Special supports with 1 milled radius E.g. radius 1 mm, height 130 mm	2x	
TA238-AX	Supports for exchangeable rollers 5 pins Rollers: Ø 1 to 15 mm 0.18 kg	2x	
TA238-CW+CWEX+D5x30	Movable carrier with exchangeable roller and 2 O-rings to fix the roller Roller 5 mm Ø on a flat plane area (3 mm height in stock) 0.2 kg	2x	 

Flexural 3 Point & 4 Point Bend

TA238

TA238-CX	Support for exchangeable rollers 2 pins Rollers: Ø 1 to 7 mm 0.2 kg	2x	
TA238-CM	Flat free rolling support for glass	2x	
TA238-CWEX	Movable carrier for exchangeable roller with pins and O-rings to fix the roller 0.003 kg	2x	
TH238-CW	Fixable supports for articulating carrier 0.12 kg	3x	
TH238-CW+CWEL5	Movable insert rolling with needle bearings Roller diameter 5mm Ligth width 12mm	2x	
TA238-CW+CWEM	Flat moveable for glass	2x	
TA238- CW+CWEX+D5x30	Movable carrier with exchangeable roller and 2 O-rings to fix the roller. Roller 5 mm Ø on a flat plane area (3 mm height in stock) 0.2 kg	2x	

Flexural 3 Point & 4 Point Bend

TA238-CW+CWER2x120	Special fixable movable inserts Radius R2 120 mm wide (not in stock)	3x	
TA238- CW+CWER1-VS6	Movable support Radius 1 Zero span	2x	
Number	**Roller**		
TA238-D	Rollers hardened Ø 1-12.7 mm standard width 40mm D3x100 = 3 mm Ø and 100 mm length	3x	
TA238-DxL	Roller of special length + 2 O-Rings + 2 extra pins to keep O-ring 3x56; 3x105; 6x105; 10x105 mm (for chamber stainless steel spring)	3x	

Flexural 3 Point & 4 Point Bend

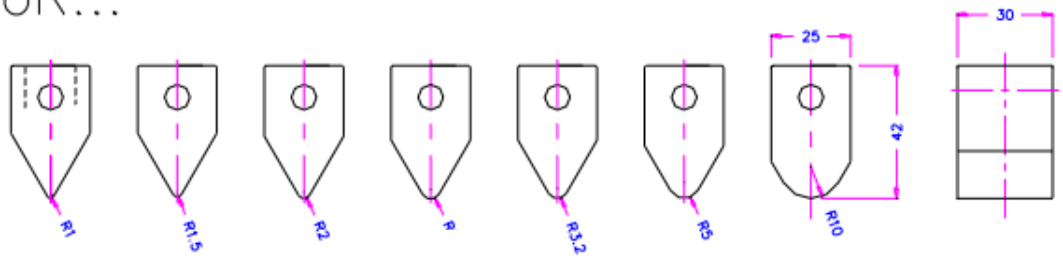
TA238

Number	Upper Anvils		
TA238-OR	Upper part anvil with milled radius 1, 1.5; 2; 3; 4; 5; 12.5 mm 0.2 kg	1x	
TA238-OX	Upper part anvil with milled V to carry different diameters oX3 keeps 1-3.2 mm Ø oX12 keeps 4-12.7 mm Ø 0.2 kg	1x	
TA238-OW	Upper part for articulating carrier Additional parts see TA238-W 0.2 kg	1x	
TA238- OW+cWEX+D8	Upper part + movable anvil with prism and exchangeable roller 8mm diameter 0.1 kg	1x	

Flexural 3 Point & 4 Point Bend

TA238

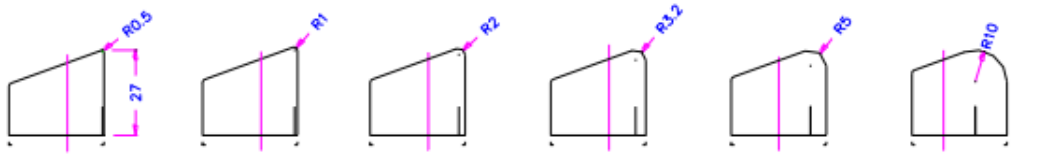
oR...



238-oR1 238-oR2 238-oR3.2 238-oR10

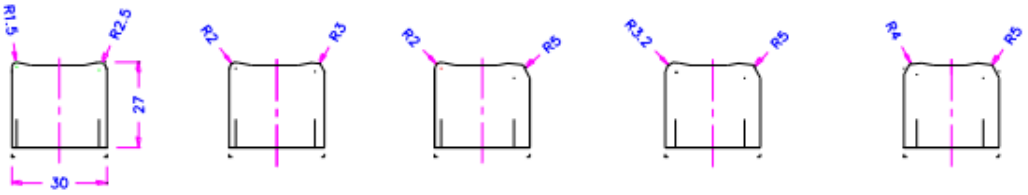
238-oR1.5 238-oR3 238-oR5

C...



238-CR05 238-CR1 238-CR2 238-CR3.2 238-CR5 238-CR10

A



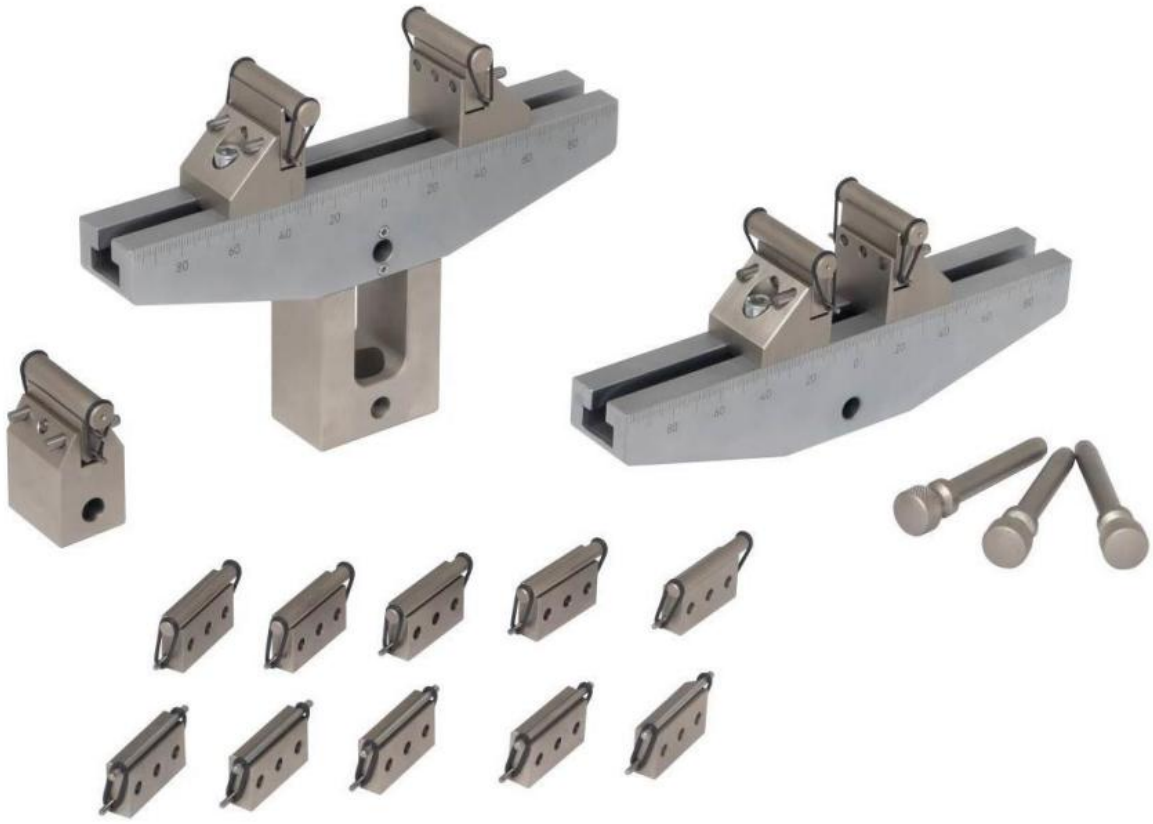
238-AR15R2 238-AR2R3 238-AR2R5 238-AR32R5 238-AR4R5

Flexural 3 Point & 4 Point Bend

TA238

TA238-5P-200-CWNxx-Af20 + ith1

ASTM-C1161 ISO843-1 ISO14704

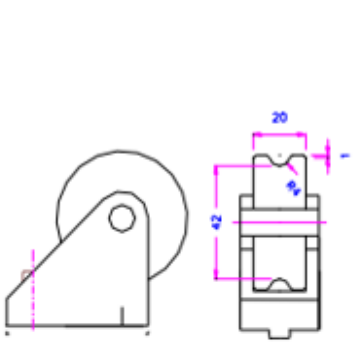


Thwing-Albert Instrument Company

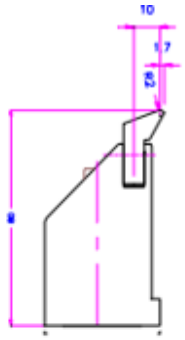
thwingalbert.com

Flexural 3 Point & 4 Point Bend

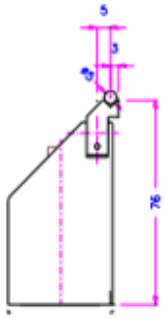
TA238



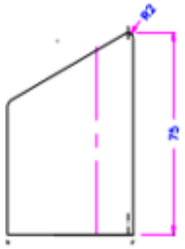
TA238-cVD42R4s



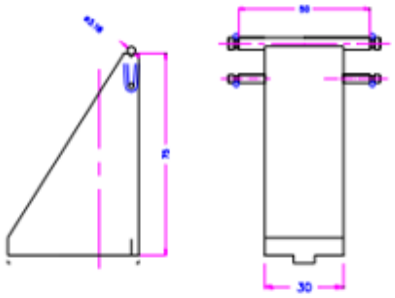
TA238-cWH80+cWER2vs10



TA238-cWH8B+cWXVs5+D5



TA238-cR2H75

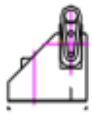


TA238-cXH75+D3.18x50

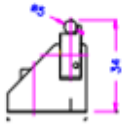
cM



cWEM

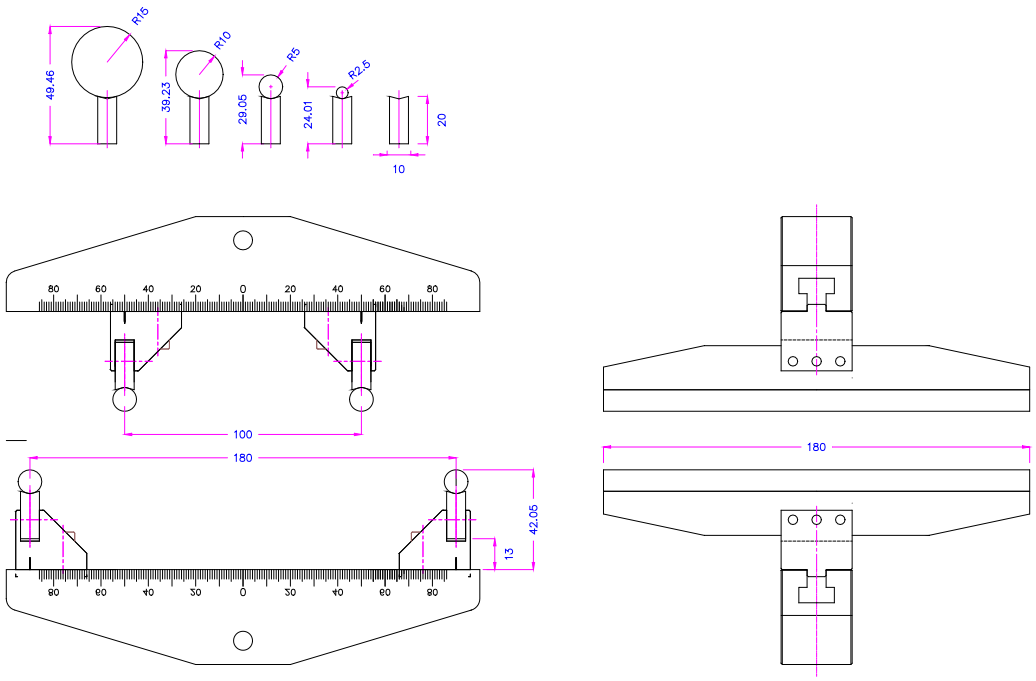


cWEN

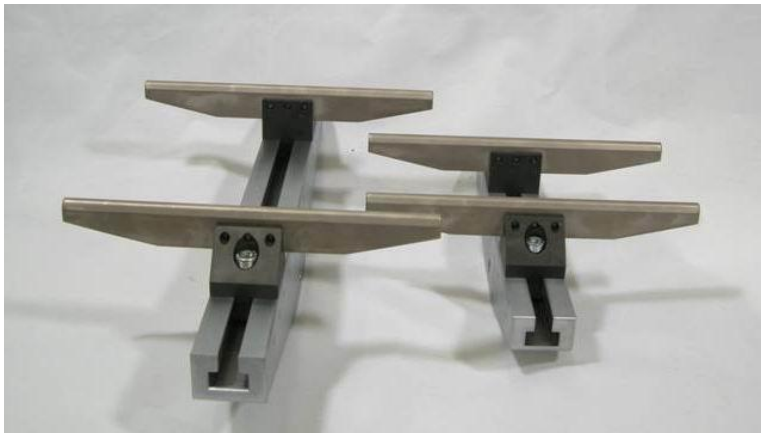


Flexural 3 Point & 4 Point Bend

TA238



TA238-4P-CWXDx180



TA238-B300--4P-CWR5x170

Flexural 3 Point & 4 Point Bend

TA238



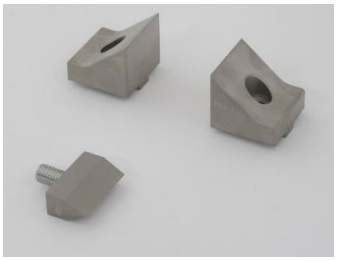
TA238-4P-CWXD8-iTH1-AfDP10s iTH1
For chamber with extensometer



TA238-CWXD4-iTH2
holder for external Extensometer



TA238-4P-CWX15x180



TA238-CR01 Radius 0.1mm



TA238-CWXD4 iTH1
holder for internal Extensometer - 8 mm