



TYR TACTICAL® HARD ARMOR PLATES COMPARISON CHART



PLATE PART#	TYR-HA3/STC	TYR-HA3/ULV	TYR-HA3/ST	TYR-HA3/ST-SWC	TYR-HA-AWPSB-66	TYR-HA3/7
WEIGHT	1.62 - 2.98 lbs.	1.67 - 2.58 lbs.	1.97 - 3.14 lbs.	2.02 - 2.97 lbs.	.73 lbs.	2.93 - 5.58 lbs.
DIMENSION	XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	Small: 8.9" x 10.9" Medium: 9.9" x 11.5" Large: 10.5" x 12.5" XLarge: 11" x 13"	Side Plate: 6"x6"	XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"
TESTING STANDARD	NIJ 0101.06	NIJ 0101.06	NIJ 0101.06	NIJ 0101.06	NIJ 0101.06	NIJ 0101.04
PROTECTION LEVEL	Level III	Level III & Special Threats	Certified Level III In-Conjunction & Special Threats	Certified Level III In-Conjunction & Special Threats	Level III	Level III & Special Threats
CONFIGURATION	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above
PLATE THICKNESS	.59 in. / 14.98 mm	.60 in. / 15.24 mm	.82 in. / 20.83 mm	.82 in. / 20.83 mm	.63 in. / 16.00 mm	.82 in. / 20.83 mm
BUOYANCY	N/A	Positive	Positive	Positive	Positive	N/A
CURVATURE	Multi Curve	Multi Curve	Multi Curve	Multi Curve	Single Curve	Multi Curve
MATERIALS	UHMWPE	UHMWPE	UHMWPE & Elastomeric Urethane Foam	UHMWPE & Elastomeric Urethane Foam	UHMWPE	Ceramic Composite HAP
COVER	Carbon Fiber	Black Polyurea	Black Polyurea	Black Polyurea	Black Polyurea	Black Polyurea
THREATS	7.62 x 51-mm, 149-grain M80 FMJ	5.56 x 45-mm, M193 Ball 7.62 x 39-mm, 123-grain PS Ball	5.56 x 45-mm, 55-grain M193 Ball* 7.62 x 39-mm, 123-grain PS Ball* 7.62 x 51-mm, 149-grain M80 FMJ*		7.62 x 39-mm, 123-grain PS Ball	5.56 x 45-mm, 55-grain M193 Ball 5.56 x 45-mm, 62-grain M855 Ball, SS109 7.62 x 39-mm, 123-grain PS Ball 7.62 x 51-mm, 149-grain M80 FMJ

*Special Threat Testing conducted in accordance with an abbreviated and modified NIJ Standard 0101.04.

TYR TACTICAL® HARD ARMOR PLATES COMPARISON CHART



TYR-HA3/7-AC	TYR-HA20-66	TYR-HA1191	TYR-HA4/7	TYR-HB4SA/SWC	TYR-HB4C3/4	PLATE PART#
2.59 - 4.82 lbs.	1.25 lbs.	4.24 - 5.53 lbs.	4.02 - 7.92 lbs.	4.38 - 6.46 lbs.	4.52 - 6.96 lbs.	WEIGHT
XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	Side Plate: 6" x 6"	Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	XSmall: 6.87" x 11.12" Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	Small: 8.5" x 11.5" Medium: 9.3" x 12.3" Large: 10" x 13" XLarge: 10.9" x 13.8"	DIMENSION
NIJ 0101.04	NIJ 0101.06	NIJ 0101.06	NIJ 0101.04	NIJ 0101.06	NIJ 0101.06	TESTING STANDARD
Level III & Special Threats	Level III & Special Threats	Level III & Special Threats	Level IV & Special Threats	Level IV & Special Threats	Level IV & Special Threats	PROTECTION LEVEL
In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	In-Conjunction with NIJ Level II or above	Single Hit - Stand Alone Multi Hit - In-Conjunction with NIJ Level II or above	Single Hit - Stand Alone Multi Hit - In-Conjunction with NIJ Level II or above	CONFIGURATION
.62 in. / 15.75 mm	.82 in. / 20.83 mm	.42 in. / 10.67 mm	.95 in. / 24.13 mm	.70 in. / 17.78 mm	.70 in. / 17.78 mm	PLATE THICKNESS
N/A	N/A	N/A	N/A	N/A	N/A	BUOYANCY
Multi Curve	Single Curve	Multi Curve	Multi Curve	Multi Curve	Multi Curve	CURVATURE
Ceramic Composite HAP	Ceramic Composite HAP	Ceramic Composite HAP	Ceramic Composite HAP	UHMWPE & Hybrid Ceramics	UHMWPE & Hybrid Ceramics	MATERIALS
Black Polyurea	Black Polyurea	Carbon Fiber	Black Polyurea	Black Polyurea	Black Polyurea	COVER
5.45 x 39-mm, 53-grain MSC 7N6 5.56 x 45-mm, 62-grain M855 Ball, SS109 7.62 x 39-mm, 123-grain MSC 7.62 x 51-mm, 149-grain M80 FMJ 7.62 x 54R-mm, 148-grain LPS	5.56 x 45-mm, 55-grain M193 Ball* 5.56 x 45-mm, 62-grain M855 Ball, SS109* 7.62 x 39-mm, 123-grain PS Ball* 7.62 x 51-mm, 149-grain M80 FMJ* *Single Hit	5.45 x 39-mm, 53-grain MSC 7N6 5.56 x 45-mm, 55-grain M193 Ball 5.56 x 45-mm, 62-grain M855 5.56 x 45-mm, 62-grain M855 Ball A1 5.56 x 45-mm, 62-grain M855 Ball SS109 7.62 x 39-mm, 123-grain MSC 7.62 x 39-mm, 123-grain PS Ball 7.62 x 39-mm, 121-grain BZ API 7.62 x 51-mm, 149-grain M80 FMJ 7.62 x 54R-mm, 148-grain LPS	7.62 x 39-mm, 123-grain PS Ball 7.62 x 39-mm, 121-grain API BZ 7.62 x 54R-mm, 148-grain LPS .30-06-cal, 165-grain APM2		.30-06-cal, 166-grain APM2	THREATS