

SPECIFICATIONS FOR ALL YTH SERIES

WORK MATERIAL COMPATIBILITY TABLES

*The compatibility of work materials varies depending on individual tank conditions, such as maintenance status, shapes of work materials (ex. Wool-like or sharp needle-like), the percentage of Si content, whether material is heat-treated or not. The information below is for a reference only. Please consult us for further details.

✓=Compatible x=Incompatible ▲=Conditionally compatible

Material		Number (Typical)	Hardness (HV)	EP	ES	CT	CS	CI/GCI
Metal	Carbon steel	S45C	120–269	✓	✓	✓	✓	✓
	Chromium steel	SCr435	255–321	✓	✓	✓	✓	✓
	Chromium molybdenum steel	SCM445	302–415	✓	✓	✓	✓	✓
	Nickel-chromium steel	SNC815	302–415	×	✓	×	✓	✓
	Carbon tool steel	SK95 (SK4)	203–286	✓	✓	×	✓	✓
	High speed tool steel	SKH56	722	×	✓	×	✓	✓
	Alloy tool steel	SKT6	512–580	×	✓	×	✓	✓
	High carbon chromium bearing steel	SUJ5	222–512	×	✓	×	✓	✓
	Spring steel	SUP10	363–429	×	✓	×	✓	✓
	Aluminum alloy	2000, 7000 series	45–130	✓	✓	✓	✓	✓
	Aluminum alloy for die-casting	ADC14	120	×	✓	×	✓	✓
	Brass	C2801P	80–150	✓	✓	✓	✓	✓
	Gray cast iron	FC250	160–285	✓	✓	✓	✓	✓
	Ductile cast iron	FCD800	160–300	✓	✓	✓	✓	✓
	Austenitic stainless steel	SUS304	≤ 200	✓	✓	✓	✓	✓
	Ferritic stainless steel	SUS430	183	✓	✓	✓	✓	✓
	Martensitic stainless steel	SUS440C	≤ 615	×	✓	×	✓	✓
	Titanium alloy steel	TP340	110–320	×	✓	×	✓	✓
	Inconel	Alloy625	400–859	×	✓	×	✓	✓
	Tungsten steel		100–350	×	✓	×	✓	✓
Heat-resistant alloy (For aero-engine)	M152	300	×	✓	×	✓	✓	
Non-Metal	Ceramic		2350	×	×	×	×	▲
	Abrasive grain			×	×	×	×	✓
	Carbon			×	×	×	×	×
	Resin			×	×	×	×	×